



# **Ivanti EPMM 11.4.0.0 -11.12.0.0 V2 API Guide**

**November 2023**

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# Revision history

| Date              | Description                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nov 16, 2023      | Updated for Ivanti EPMM 11.12.0.0: <ul style="list-style-type: none"><li>Updated documentation for the call, <a href="#">"Get custom attribute definitions" on page 489</a>.</li></ul>                                                                                                                                                                                                                    |
| Aug 21, 2023      | Updated for Ivanti EPMM 11.11.0.0: <ul style="list-style-type: none"><li>Added documentation of the call, <a href="#">"Get ldap stale entity summary" on page 51</a>.</li><li>Updated documentation for the call, <a href="#">"Wipe devices" on page 390</a>.</li></ul>                                                                                                                                   |
| May 16, 2023      | Updated for Ivanti EPMM 11.10.0.0: <ul style="list-style-type: none"><li>Updated the documentation of the call, <a href="#">"Wipe devices" on page 390</a>, including information about the new preserveDataPlan parameter.</li><li>Added documentation for the call, <a href="#">"Get apps which have "per-app vpn by label only" unselected and VPNs configured" on page 277</a>.</li></ul>             |
| February 28, 2023 | <ul style="list-style-type: none"><li>Updated branding for Ivanti EPMM 11.9.0.0.</li><li>Added deviceInfo header information to the call, <a href="#">"Get MDM profile" on page 413</a>.</li></ul>                                                                                                                                                                                                        |
| November 7, 2022  | <ul style="list-style-type: none"><li>Updated for Ivanti EPMM 11.8.0.0.<ul style="list-style-type: none"><li>"Core" re-branded as "Ivanti EPMM."</li><li>Added documentation for the following calls:<ul style="list-style-type: none"><li><a href="#">"Add an Apple license account" on page 624</a></li><li><a href="#">"Delete an Apple license account" on page 628</a></li></ul></li></ul></li></ul> |

| Date               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| July 27, 2022      | Removed documentation for the Search Google Play by Keyword API because Android Enterprise now handles the search.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| July 18, 2022      | <ul style="list-style-type: none"><li>Added note to the documentation for the call, <a href="#">"Update app data" on page 208</a>, that to update Android For Work app data, a valid license value for androidWorkSelfHostedApkLicense is mandatory.</li><li>Added the "additionalParameters":{"isActionForced":true} parameter to the documentation for the call, <a href="#">"Retire devices" on page 398</a>, that enables force retirement of devices in the RETIRE PENDING state.</li><li>Added new call, <a href="#">"Include battery health information in Android device details" on page 353</a>.</li><li>Added the isFileTransferConfigAttribute return field to the documentation for the call, <a href="#">"Get custom attribute definitions" on page 489</a>.</li></ul> |
| April 18, 2022     | Added the call, <a href="#">"Self-register a device" on page 322</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| April 1, 2022      | <ul style="list-style-type: none"><li>Updated for Ivanti EPMM 11.6.0.0</li><li>Added the call, <a href="#">"Verify Ivanti EPMM/SCEP Connectivity" on page 551</a>.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| January 5, 2022    | <ul style="list-style-type: none"><li>Updated for Ivanti EPMM 11.5.0.0</li><li>Updated the adminDeviceSpaceId parameter to be a request body parameter rather than query parameter in the call, <a href="#">"Initiate the processing of certificate details to be exported" on page 517</a>.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| October 13, 2021   | Added the call, <a href="#">"Change SCEP challenge password" on page 549</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| September 29, 2021 | <ul style="list-style-type: none"><li>Updated for Ivanti EPMM 11.4.0.0.</li><li>Clarified the password parameter for the call, <a href="#">"Upload user-provided certificate" on page 532</a>.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| July 1, 2021       | <b>Content changes for rebranding and distribution:</b> Product documentation has been rebranded to align with Ivanti standards and is now available on the Ivanti Product Documentation page.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Date              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| May 12, 20121     | Added the section, " <a href="#">JSESSIONID and CSRF_NONCE Required for Multipart Calls</a> " on page 15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| September 8, 2020 | Added the call " <a href="#">Get list of labels for a specific device</a> " on page 484                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| August 31, 2020   | <ul style="list-style-type: none"><li>• Added the call "<a href="#">Get Embedded Identity Document (EID) details</a>" on page 367.</li><li>• Added the call "<a href="#">Get MDM profile</a>" on page 413.</li><li>• Removed these deprecated legacy calls from the API Guide:<ul style="list-style-type: none"><li>◦ Upload user-provided certificate - Legacy</li><li>◦ Delete user-provided certificates - Legacy</li><li>◦ Get list of user provided certificate enrollment ID information with associated certificate details - Legacy</li><li>◦ Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy</li></ul></li><li>• Use these replacement calls that were introduced in March 2020:<ul style="list-style-type: none"><li>◦ "<a href="#">Upload user-provided certificate</a>" on page 532.</li><li>◦ "<a href="#">Get list of user provided certificate enrollment ID information with associated certificate details</a>" on page 539.</li><li>◦ "<a href="#">Get list of all user provided certificate enrollment IDs' information with associated certificate details.</a>" on page 542.</li><li>◦ "<a href="#">Delete user-provided certificates</a>" on page 537.</li></ul></li></ul> |
| June 23, 2020     | Added note to the call, " <a href="#">Create custom attribute definition</a> " on page 498, that you cannot create more than 300 custom attribute definitions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| April 13, 2020    | <ul style="list-style-type: none"><li>• Added note on how to get the value of the CEid parameter to the call, "<a href="#">Upload user-provided certificate</a>" on page 532.</li><li>• Removed hyphenation from sample requests.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Date           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| March 10, 2020 | <ul style="list-style-type: none"><li>Added the following calls:<ul style="list-style-type: none"><li><a href="#">"Upload user-provided certificate" on page 532.</a></li><li><a href="#">"Get list of user provided certificate enrollment ID information with associated certificate details" on page 539.</a></li><li><a href="#">"Get list of all user provided certificate enrollment IDs' information with associated certificate details." on page 542.</a></li><li><a href="#">"Delete user-provided certificates" on page 537.</a></li></ul></li></ul> <p>These calls are replacements for the calls listed below, which will be deprecated six months after March 10, 2020:</p> <ul style="list-style-type: none"><li>Upload user-provided certificate - Legacy</li><li>Delete user-provided certificates - Legacy</li><li>Get list of user provided certificate enrollment ID information with associated certificate details - Legacy</li><li>Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy</li></ul> |
| March 4, 2020  | <p>Added:</p> <ul style="list-style-type: none"><li>The section, <a href="#">"GDPR Consideration" on page 13</a>, describing the impact of GDPR profiles on API call returns.</li><li>zebra_ota_capable as a valid Android search field in <a href="#">"Android-Only Device Search Fields" on page 660.</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Date             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| November 6, 2019 | <ul style="list-style-type: none"><li>• Updated:<ul style="list-style-type: none"><li>◦ "Upload an in house app" on page 192 for data type accuracy.</li><li>◦ "Update app data" on page 208 for parameter description accuracy, and to more fully explain the appData parameter.</li><li>◦ "Apply App to Labels with Track" on page 247 to change the <b>track</b> parameter to <b>trackId</b> and describe how to find the value for trackId; and to introduce the <b>mandatory</b> parameter.</li><li>◦ "Get minimumOsVersion Information" on page 645 to include the <b>android</b> option.</li><li>◦ "Import a Google Play app" on page 163, adding the following parameters:<ul style="list-style-type: none"><li>◦ androidWorkManagedDeviceSilentInstall</li><li>◦ autoInstallMode</li><li>◦ autoInstallPriority</li><li>◦ networkTypeConstraint</li><li>◦ chargingStateConstraint</li><li>◦ deviceIdleStateConstraint</li></ul></li></ul></li><li>• Added:<ul style="list-style-type: none"><li>◦ "Get the Android for Work schema of an app" on page 253.</li><li>◦ "Download an app definition file" on page 258.</li><li>◦ "Get the Android for Work permissions of an app" on page 263.</li><li>◦ "Get the Android for Work restrictions of an app" on page 265.</li><li>◦ "Add a Google Play app" on page 267.</li></ul></li></ul> |

| Date               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| July 17, 2019      | <p>Added the following calls:</p> <ul style="list-style-type: none"><li>• <a href="#">"Import a Google Play app" on page 163</a></li><li>• <a href="#">"Open TeamViewer session" on page 401</a></li><li>• <a href="#">"Check device compliance" on page 405</a></li><li>• <a href="#">"Get device compliance and reason for non compliance" on page 408</a></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| May 16, 2019       | <ul style="list-style-type: none"><li>• For the call, <a href="#">"Get app data by id" on page 111</a>, which returns obfuscated minimumOsVersion information for iOS apps, added the call, <a href="#">"Get minimumOsVersion Information" on page 645</a>, which provides readily understandable minimumOsVersion version information for iOS apps.</li><li>• For the <a href="#">"Get information on all labels" on page 453</a>, added information about how to get a valid value for <a href="#">" deviceUuids" on page 468</a> using a version of the call, <a href="#">"Search for devices" on page 307</a>.</li><li>• Added the rowType return field to the call, <a href="#">"Get information on all labels" on page 453</a>.</li><li>• Added the call, <a href="#">"Apply App to Labels with Track" on page 247</a>.</li></ul> |
| March 15, 2019     | Added <a href="#">"Supported queries" on page 311</a> section to the <a href="#">"Search for devices" on page 307</a> call section.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| March 14, 2019     | Restored missing information to multiple tables.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| September 14, 2018 | <ul style="list-style-type: none"><li>• Fixed typographical error in an example call.</li><li>• Replaced the terms, "Volume Purchase Plan," and VPP" with "Apple Licenses."</li><li>• Updated the <a href="#">"Download the CSV file" on page 290</a> call from a GET to a POST, and updated the parameters and response fields.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

# Introduction

The Ivanti EPMM V2 API is a RESTful API you use to send HTTPS requests to get data from and provide data to Ivanti EPMM.

## Prerequisites for using the V2 API

Using the Ivanti EPMM V2 API requires:

- Ivanti EPMM login credentials for users with the necessary user roles to make the various API calls. You will send these credentials using basic authentication. See ["Authentication" below](#).
- familiarity with making REST API calls using the HTTPS protocol
- familiarity with JSON

**Note:** You cannot send API calls from the address bar of a browser because this API does not prompt you for credentials if you send a call from the address bar. You can use plugins like Poster for FireFox, and Postman or Advanced REST Client for Chrome, to test calls while you are coding calls into your application.

## Authentication

The Ivanti EPMM V2 API requires basic authentication to authorize API calls. Each API call requires that the credentials you use for basic authentication belong to a user who has been assigned the necessary role to make that particular call. See ["Assigning admin roles to a user" on the next page](#) for how to assign required roles to Ivanti EPMM users, and the "Required Role" section of each API call description to determine the required role for each API call.

## GDPR Consideration

If the API user selected to authenticate API calls is associated with a GDPR profile, then Ivanti EPMM obfuscates the specified fields in the GDPR profile that certain API calls return.

The calls include:

- ["Get admin user summary" on page 38](#)

- ["Search for devices" on page 307](#)

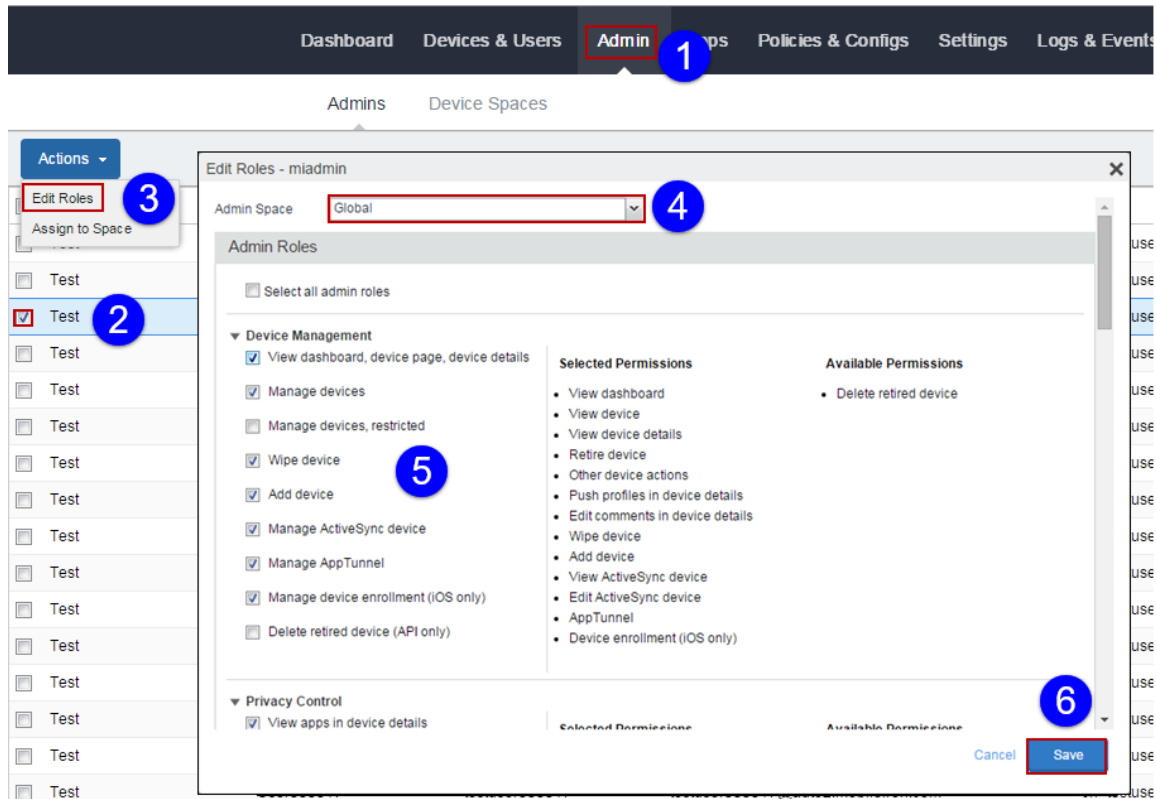
Typical fields include:

- User ID
- Person name
- Email address
- Phone number
- IMEI
- Serial Number
- ICCID
- IMSI
- MEID

## Assigning admin roles to a user

To assign admin roles to a user:

1. Log in to Ivanti EPMM and then click **Admin**.



2. Select a user.
3. Select **Edit Roles**.
4. Select a device space to which to assign the admin user.
5. Use the check boxes to select the roles needed to make the desired API calls. See the "Required Role" section of each API call description to determine the required role for each API call.
6. Click **Save**.

## JSESSIONID and CSRF\_NONCE Required for Multipart Calls

All multipart calls require JSESSIONID and CSRF\_NONCE tokens to guard against CSRF attacks. If an API call fails due to authorization, then get a JSESSIONID and CSRF\_NONCE as described below and retry the call with these tokens.



JSESSIONID and CSRF\_NONCE are not required in releases after 11.1.0.0.

## Obtaining the JSESSIONID

To obtain the JSESSIONID, run the following call:

```
curl -c cookies.txt -XPOST \
```

```
'https://[Ivanti EPMM]/mifs/j_spring_security_check' \  
--header 'Origin: https://[Ivanti EPMM]' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--header 'Referer: https://[Ivanti EPMM]/mifs/login.jsp' \  
-d "j_username=USER_NAME&j_password=PASSWORD&spid="
```

This call returns the JSESSIONID in the response, stored in cookies.txt.

## Obtaining the CSRF\_NONCE

To obtain the CSRF\_NONCE, run the following call:

```
curl -XGET \  
'https://[Ivanti EPMM]/mifs/admin/vsp.html' \  
--header 'Origin: https://[Ivanti EPMM]' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--header 'Referer: https://[Ivanti EPMM]/mifs/j_spring_security_check' \  
--header 'Cookie: JSESSIONID=SESSION_ID_FROM_REQUEST_1' \  
-d "j_username=USER_NAME&j_password=PASSWORD&spid=" | grep "csrf"
```

This call returns the CSRF\_NONCE as part of the response, and extracts it to a file, csrf.

## Using the JSESSIONID and CSRF\_NONCE

Include the tokens in your call as headers, as shown below:

```
--header 'CSRF_NONCE: CSRF_NONCE_GENERATED_IN_REQUEST_2_ABOVE' \  
--header 'Cookie: JSESSIONID=JSESSIONID_TOKEN_GENERATED_IN_REQUEST_1_ABOVE' \  

```

## Sample Script to Generate JSESSIONID and CSRF\_NONCE

The sample script below generates the JSESSIONID and CSRF\_NONCE.

### Syntax:

```
sh JSESSIONID_CSRF_TOKEN_GENERATOR.sh https://HOST_NAME USER_NAME PASSWORD
```

### Script:

```
#!/bin/sh  
# Storing the command line arguments as variables
```

```
HOST=${1:-<missing>}
USERNAME=${2:-<missing>}
PASSWORD=${3:-<missing>}
echo "Host: $HOST"
echo "Username: $USERNAME"
echo "Executing commands..."
echo
# Executing the below curl command to generate the JSESSIONID
JSESSIONID=$(curl -XPOST -i -s "$HOST/mifs/j_spring_security_check" --header "Origin:
$HOST" --header 'Content-Type: application/x-www-form-urlencoded' --header "Referer:
$HOST/mifs/login.jsp" -d "j_username=$USERNAME&j_password=$PASSWORD&spid=" | grep
"JSESSIONID" | awk -v FS="(" '{print $2}')')
echo "JSESSIONID: $JSESSIONID"
# Executing the below curl command to generate the CSRF NONCE using the JSESSIONID from
the above command output
CSRFNONCE=$(curl -XGET -s "$HOST/mifs/admin/vsp.html" --header "Origin: $HOST" --header
'Content-Type: application/x-www-form-urlencoded' --header "Referer: $HOST/mifs/j_
spring_security_check" --header "Cookie: JSESSIONID=$JSESSIONID" -d "j_
username=$USERNAME&j_password=$PASSWORD&spid=" | grep "csrfNonce" | awk -v FS="(" '{print $2}')')
echo "CSRFNONCE: $CSRFNONCE"
echo
echo "*** Script execution completed ***"
echo
```

### Sample Output:

```
Host: https://[Ivanti EPMM]
Username: admin
Executing commands...
JSESSIONID: 6ABCDEFBA3D1663B496813730A01B640
CSRFNONCE: 5ABCDEF0B6C13E12AC6B72F3B6D4C0B2
*** Script execution completed ***
```

## Making API Calls to Connected Cloud

When making API calls to Connected Cloud, prepend the URI with "rest/". For example, if the call is "api/v2/devices/search\_fields" in Ivanti EPMM, it would be "rest/api/v2/devices/search\_fields" in Connected Cloud.

## HTTP response status codes

The Ivanti EPMM V2 API can return the following HTTP response status codes:

| Response code | Description                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------|
| 200           | Success.                                                                                                                 |
| 400           | Request error.                                                                                                           |
| 401           | Authentication failed.<br><br>The request must contain a valid user ID and password for the target Ivanti EPMM instance. |
| 404           | Page not found.<br><br>Check the spelling of the URL.                                                                    |
| 405           | Invalid HTTP method.                                                                                                     |
| 500           | Internal server error.<br><br>Ivanti EPMM encountered an internal error while processing the request.                    |

## Response Language

The API supports JSON responses.

## Using Postman to Test API Calls

If you encounter difficulties using Postman to test API calls, try sending a **Content-Type** header as **application/json**, and using the raw/JSON (application/json) input method to input your JSON object into the code field. For example, the API call described in "[Delete devices](#) " on [page 341](#) requires that you send a **Content-Type** header as **application/json**.

https://[mobileiron core]/api/v2/devices?adminDeviceSpaceId=1

Authorization Basic bWlhZG1pbk8hdXRvMDAwLyw= Add preset Manage presets

Content-Type application/json

Header Value

form-data x-www-form-urlencoded raw binary JSON (application/json)

1 [{"deviceUuids": [ "10c43352-15b2-413b-a3e0-4daf3977711a", "808A898A-388E-4612-8579-43A40411670C" ] }]

Send Preview Pre-request script Tests Add to collection



# API status check

## Get V2 API status

This call returns status information about the V2 API. It returns:

- whether the V2 API is available (implied by the presence of a return)
- the API version number
- the version and build number of the VSP

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role  |
|----------------|
| Any admin role |

## HTTP method

GET

## Request URI

api/v2/ping

## Request parameters

None.

## Response fields

| Field      | Description                                  |
|------------|----------------------------------------------|
| results    | Container for the results                    |
| apiVersion | Version of the API.                          |
| vspVersion | Version and build number of the Ivanti EPMM. |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/ping
```

### Response

```
{
  "results": {
    "apiVersion": 2,
    "vspVersion": "VSP 8.0.0.0 Build 1 "
  }
}
```

# User Management

This chapter describes the V2 API calls you use to query and manipulate Ivanti EPMM users.

## Find authorized users

This call gets a list of all authorized users in the system, or a subset of users retrieved by the query parameter if you issue it with the call.



The default number of records returned from this API is 1,000,000. Use the **limit** parameter to specify a return value appropriate for your environment. Ivanti recommends a value of 1000.

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                      |
|------------------------------------|
| <b>Category:</b> User Management   |
| <b>Role Description:</b> View user |

## HTTP method

GET

## Request URI

/api/v2/authorized/users

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                     | Sample Value |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                                            | 1            |
| query              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 20 characters<br>Search expression. Will search against first name, last name, and principal fields. The call returns all authorized users in the absence of this parameter. | mia          |
| limit              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 200<br><b>Default:</b> 200<br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.                                                              |              |

| Parameter | Description                                                                                                                                                                   | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return. |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".       | ASC          |

## Response fields

| Field       | Description                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all authorized users retrieved. See the sample response below for the fields contained in the results array. |
| hasMore     | Indicates whether there are more records in the retrieved set.                                                                                                   |
| totalCount  | The total number of entries that the query matched.                                                                                                              |
| resultCount | The number of entries that are being returned.                                                                                                                   |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/authorized/users?adminDeviceSpaceId=1&query=mia'
```

## Response

```
{
  "results": [
    {
      "ldapuser": false,
      "localUser": true,
      "passcodeInBytes": "",
      "passwordHashSHA256": null,
      "androidWorkEmailAddress": null,
      "androidWorkUserId": null,
      "lastLoginIp": "10.11.82.143",
      "lastAdminPortalLoginTime": 1464205553139,
      "samlPseudonymousIdentifier": null,
      "forcePasswordChange": false,
      "languageId": null,
      "countryId": null,
      "opaque": true,
      "userSource": "L",
      "value": null,
      "enabled": true,
      "createdBy": null,
      "createdAt": 1464202042000,
      "email": "miadmin@mobileiron.com",
      "lastName": "",
      "firstName": "miadmin",
      "displayName": "miadmin",
      "devices": [ ],
      "roles": [
        "ROLE_MPW_REG",
        "ROLE_MPW_CHANGE_OWNERSHIP",
        "ROLE_USER_PORTAL_RW",
        "ROLE_MPW_LOCK",
        "ROLE_MPW_WIPE",
```

```
        "ROLE_MPW_LOCATE",
        "ROLE_MPW_RETIRE",
        "ROLE_MPW_UNLOCK"
    ],
    "deviceSpacePath": "/1/",
    "deviceSpaceId": 1,
    "principal": "miadmin",
    "id": 9001,
    "uuid": "2fc7d8e7-71e7-4216-a317-5a2879ae9cab"
}
],
"hasMore": false,
"resultCount": 1,
"totalCount": 1
}
```

# Admin Management

## Find admin users

This call gets a list of all admin users in the system. You can use the call described in ["Assign admins to device space" on page 431](#) to assign one of the retrieved users as the admin of a device space. A similar call, described in ["Get admin user summary" on page 38](#), gets a list of admin users, but returns more details about each admin, namely, the name, email, source (local or LDAP), and assigned roles.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

GET

## Request URI

api/v2/admins/users

## Request parameters

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sample Value |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| query     | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p> | bsmith       |
| limit     | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 200</p> <p><b>Default:</b> 200</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>                                                                                                                                                                                                                                      |              |
| offset    | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>                                                                                                                                                                                                                                                                           |              |

| Parameter | Description                                                                                                                                                          | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.           |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned. Values can be "ASC" or "DESC". | ASC          |

## Response fields

| Field       | Description                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all admin users retrieved, including their user ID and name. |
| totalCount  | The total number of entries that the query matched.                                                              |
| resultCount | The number of entries that are being returned.                                                                   |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti  
EPMM]/api/v2/admins/users?adminDeviceSpaceId=1
```

### Response

```
{  
  "results": [  
    ...  
  ]  
}
```

```
{
  "userId": "misystem",
  "name": null
},
{
  "userId": "miadmin",
  "name": "miadmin"
}
],
"totalCount": 2,
"resultCount": 2
}
```

## Find ldap entitites

This call finds LDAP entities, either Organizational Units (OUs), groups, or users, depending on which you specify with the `type` parameter.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

## Request URI

api/v2/admins/ldap\_entities

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sample Value                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                   | 1                                                                                                                   |
| query              | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Min:</b> 1 character<br><br><b>Max:</b> 20 characters<br><br>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. | query=admin<br><br>(This value instructs the call to search for ldap entities with the word "admin" in their name") |
| type               | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Default:</b> ALL<br><br>Type of LDAP entity to search. May be OU, GROUP, or USER                                                                                                                                                                                                                                                                                                                     | type=user<br><br>(This value instructs the call to search for LDAP users)                                           |

| Parameter | Description                                                                                                                                                                                                                     | Sample Value |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| limit     | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000<br><b>Default:</b> 10,000<br><br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000. |              |
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br><br>Indicates the index of the first entry to return.                                               |              |

## Response fields

| Field       | Description                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all LDAP entities retrieved, including each entity's ID, name, LDAP Distinguished Name (dn), and the type of LDAP entity. |
| totalCount  | The total number of entries that the query matched.                                                                                                                           |
| resultCount | The number of entries that are being returned.                                                                                                                                |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/admins/ldap_entities?type=user&query=admin&adminDeviceSpaceId=1
```

### Response

```
{
  "results": [
    {
      "id": null,
      "name": "Administrator",
      "dn": "cn=administrator,cn=users,dc=auto2,dc=mobileiron,dc=com",
      "type": "USER"
    }
  ],
  "totalCount": 1,
  "resultCount": 1
}
```

## Get admin user summary

This call gets a detailed list of admin users that includes each admin's name, email, source (local or LDAP), and assigned roles. A similar call described in ["Find admin users" on page 29](#), gets a list of admin users, but only returns the user ID and name for each admin user. This call has a GDPR consideration. See ["GDPR Consideration" on page 13](#).

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

GET

## Request URI

api/v2/admins/user\_summary

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                     | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                | 1            |
| limit              | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br><b>Min:</b> 0<br><br><b>Max:</b> 10,000<br><br><b>Default:</b> 10,000<br><br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000. |              |
| offset             | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br><b>Min:</b> 0<br><br><b>Max:</b> 10,000,000<br><br><b>Default:</b> 0<br><br>Indicates the index of the first entry to return.                                               |              |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sample Value                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.                                                                                                                                                                                                                                                                                                  |                                                                                                                      |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".                                                                                                                                                                                                                                                                                     | ASC                                                                                                                  |
| query     | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 20 characters<br>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. | query=admin<br><br>(This value instructs the call to search for admin entities with the word "admin" in their name") |

| Parameter | Description                                                                                                                                                         | Sample Value |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| page      | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> integer<br><br>Instructs the API on which page of results to start returning results.                         | 1            |
| start     | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> integer<br><br>Instructs the API at which record on the specified page of results to start returning results. | 0            |

## Response fields

| Field       | Description                                                                                                             |
|-------------|-------------------------------------------------------------------------------------------------------------------------|
| results     | An array of entry objects: name, userId, email, source (LDAP or Local), roles (id, description), adminSpaces (id, name) |
| totalCount  | The total number of entries that the query matched.                                                                     |
| resultCount | The number of entries that are being returned.                                                                          |

## Sample request and response

### Request

```
curl "https://[Ivanti EPM]/api/v2/admins/user_summary?limit=50&offset=0&sortField=name&sortOrder=ASC&query=&page=1&start=0"
```

### Response

```
{
  "results": [
    {
      "name": "miadmin",
      "principal": "miadmin",
      "email": "miadmin@mobileiron.com",
```

```
"source": "Local",
"spaceRoles": [
  {
    "spaceId": 1,
    "spaceName": "Global",
    "vspRoles": [
      {
        "id": 1,
        "name": "ROLE_ADMIN_MGMT",
        "description": "Manage administrators and device spaces",
        "defaultSpaceOnly": true
      },
      {
        "id": 3,
        "name": "ROLE_DEVICE_VIEW_APP",
        "description": "View apps in device details",
        "defaultSpaceOnly": false
      },
      {
        "id": 4,
        "name": "ROLE_DEVICE",
        "description": "Manage devices",
        "defaultSpaceOnly": false
      },
      {
        "id": 6,
        "name": "ROLE_DEVICE_LOCATE",
        "description": "Locate device",
        "defaultSpaceOnly": false
      },
      {
        "id": 7,
        "name": "ROLE_DEVICE_WIPE",
```

```
    "description": "Wipe device",
    "defaultSpaceOnly": false
  },
  {
    "id": 8,
    "name": "ROLE_DEVICE_ADD",
    "description": "Add device",
    "defaultSpaceOnly": false
  },
  {
    "id": 9,
    "name": "ROLE_DEVICE_ACTIVESYNC",
    "description": "Manage ActiveSync device",
    "defaultSpaceOnly": true
  },
  {
    "id": 10,
    "name": "ROLE_APP_TUNNEL",
    "description": "Manage AppTunnel",
    "defaultSpaceOnly": true
  },
  {
    "id": 11,
    "name": "ROLE_DEVICE_ENROLLMENT",
    "description": "Manage device enrollment (iOS only)",
    "defaultSpaceOnly": true
  },
  {
    "id": 14,
    "name": "ROLE_LABEL",
    "description": "Manage label",
    "defaultSpaceOnly": false
  },
}
```

```
{
  "id": 16,
  "name": "ROLE_USER_MANAGEMENT",
  "description": "Manage user",
  "defaultSpaceOnly": false
},
{
  "id": 17,
  "name": "ROLE_APP",
  "description": "Manage app",
  "defaultSpaceOnly": true
},
{
  "id": 19,
  "name": "ROLE_CONFIG",
  "description": "Manage configuration",
  "defaultSpaceOnly": true
},
{
  "id": 22,
  "name": "ROLE_POLICY",
  "description": "Manage policy",
  "defaultSpaceOnly": true
},
{
  "id": 25,
  "name": "ROLE_SETTINGS",
  "description": "Manage settings",
  "defaultSpaceOnly": true
},
{
  "id": 27,
  "name": "ROLE_LOGS_EVENTS",
```

```
        "description": "Manage logs and events",
        "defaultSpaceOnly": true
    },
    {
        "id": 28,
        "name": "ROLE_VSP_CONNECTOR",
        "description": "Connector",
        "defaultSpaceOnly": true
    },
    {
        "id": 29,
        "name": "ROLE_VSP_API",
        "description": "API",
        "defaultSpaceOnly": true
    },
    {
        "id": 34,
        "name": "ROLE_CONTENT",
        "description": "Manage Content",
        "defaultSpaceOnly": true
    }
]
}
]
}
],
"totalCount": 1,
"resultCount": 1
}
```

## Get ldap entity summary

This call gets detailed information on all admin LDAP admin entities. Returns the id, name, dn, type, member count (germane for OUs and GROUPS), first name, last name, email, and roles for each found admin LDAP entity.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

### Request URI

api/v2/admins/ldap\_entity\_summary

### Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| query              | <b>Parameter Type:</b> Query                                                                                         | query=admin  |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sample Value                                                                                     |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|           | <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p> | (This value instructs the call to search for ldap entities with the word "admin" in their name") |
| type      | <p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Default:</b> ALL</p> <p>Type of LDAP entity to search. May be OU, GROUP, USER, or ALL.</p>                                                                                                                                                                                                                                                    | <p>type=user</p> <p>(This value instructs the call to search for LDAP users)</p>                 |
| limit     | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000</p> <p><b>Default:</b> 10,000</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.</p>                                                                                                                                                                                         |                                                                                                  |
| offset    | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p>                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |

| Parameter | Description                                                                                                                                                             | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|           | <b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return.                                                       |              |
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.              |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC". | ASC          |

## Response fields

|             |                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all LDAP entities retrieved, including each entity's id, name, dn, type, member count (germane for OUs and GROUPS), first name, last name, email, and roles. |
| totalCount  | The total number of entries that the query matched.                                                                                                                                                              |
| resultCount | The number of entries that are being returned.                                                                                                                                                                   |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/admins/ldap_entity_summary?type=USER&query=testuser00023&adminDeviceSpaceId=1
```

### Response

```
{
  "results": [
    {
      "id": null,
      "name": "testuser000230",
      "dn": "cn=testuser000230,ou=contacts,dc=auto2,dc=mobileiron,dc=com",
      "type": "USER",
      "memberCount": 0,
      "firstName": "Test",
      "lastName": "User000230",
      "email": "testuser000230@auto2.mobileiron.com",
      "spaceRoles": [ ]
    },
    ...
    {
      "id": null,
      "name": "testuser000239",
      "dn": "cn=testuser000239,ou=contacts,dc=auto2,dc=mobileiron,dc=com",
      "type": "USER",
      "memberCount": 0,
      "firstName": "Test",
      "lastName": "User000239",
      "email": "testuser000239@auto2.mobileiron.com",
      "spaceRoles": [ ]
    }
  ],
  "totalCount": 10,
}
```

```
"resultCount": 10
}
```

## Get ldap stale entity summary

This call gets detailed information on all stale LDAP admin entities. Returns the id, name, dn, type, member count (germane for OUs and GROUPS), first name, last name, email, and roles for each found admin LDAP entity.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

### Request URI

api/v2/admins/ldap\_stale\_entity\_summary

## Request parameters

| Parameter | Description                                                                                                                                                                                                                        | Sample Value |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| limit     | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000<br><b>Default:</b> 10,000<br><br>Indicates the maximum number of entries to return.<br>Must be at least 0 and no more than 10,000. |              |
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br><br>Indicates the index of the first entry to return.                                                  |              |

## Response fields

|             |                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all LDAP entities retrieved, including each entity's id, dn, type, member count (germane for OUs and GROUPS), and space roles. |
| totalCount  | The total number of entries that the query matched.                                                                                                                                |
| resultCount | The number of entries that are being returned.                                                                                                                                     |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>"  
https://<hostname>/mifs/admin/rest/api/v2/admins/ldap_stale_entity_  
summary?limit=50&offset=0
```

### Response

```
"results": [  
  {  
    "id": 58003,  
    "dn": "cn=testuser 33,cn=users,dc=mobl,dc=com",  
    "dnType": "U",  
    "priority": null,  
    "principal": "testuser33",  
    "roles": [],  
    "memberCount": 0,  
    "managedAppleId": null,  
    "spaceRoles": [  
      {  
        "spaceId": 1,  
        "spaceName": "Global",  
        "vspRoles": [  
          {  
            "id": 24,  
            "name": "ROLE_SETTINGS_VIEW",  
            "description": "View settings and services",  
            "defaultSpaceOnly": false  
          },  
          {  
            "id": 18,  
            "name": "ROLE_CONFIG_VIEW",  
            "description": "View configuration",  
            "defaultSpaceOnly": false  
          },  
          {  
            "id": 19,  
            "name": "ROLE_CONFIG",  
            "description": "Manage configuration",  
            "defaultSpaceOnly": false  
          }  
        ]  
      }  
    ]  
  }  
]
```

```
},  
.....  
]  
}  
]  
}  
],  
"totalCount": 8,  
"resultCount": 1  
}
```

## Get a list of admin roles

This call returns all admin roles and associated permissions. You can use this call before issuing the call described in ["Assign admins to device space" on page 431](#), so you know which string values to use for the roles you assign to admins you assign to device spaces.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

### Request URI

api/v2/admins/roles

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field       | Description                                                                                                                                                                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | Container for the results set, which is an array of all roles, including the following fields for each role: category, roleAndPermissions, roleId, roleDescription, defaultSpaceOnly, and permissions. The values for roleId are the ones you use for the roles parameter when making the call described in <a href="#">"Assign admins to device space" on page 431</a> . |
| totalCount  | The total number of entries that the query matched.                                                                                                                                                                                                                                                                                                                       |
| resultCount | The number of entries that are being returned.                                                                                                                                                                                                                                                                                                                            |
| results     | Container for the results set, which is an array of all LDAP entities retrieved, including each entity's id, name, dn, type, member count (germane for OUs and GROUPS), first name, last name, email, and roles.                                                                                                                                                          |
| totalCount  | The total number of entries that the query matched.                                                                                                                                                                                                                                                                                                                       |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/admins/roles?adminDeviceSpaceId=1
```

## Response

```
{
  "results": [
    {
      "category": "Device Management",
      "roleAndPermissions": [
        {
          "roleId": 2,
          "roleDescription": "View dashboard, device page, device details",
          "defaultSpaceOnly": false,
          "permissions": [
            "View dashboard",
            "View device",
            "View device details"
          ]
        },
        {
          "roleId": 4,
          "roleDescription": "Manage devices",
          "defaultSpaceOnly": false,
          "permissions": [
            "View dashboard",
            "View device",
            "Retire device",
            "Other device actions",
            "View device details",
            "Push profiles in device details",
            "Edit comments in device details"
          ]
        },
        {
          "roleId": 5,
          "roleDescription": "Manage devices, restricted",
```

```
    "defaultSpaceOnly": false,
    "permissions": [
      "View dashboard",
      "View device",
      "Other device actions",
      "View device details",
      "Edit comments in device details"
    ]
  },
  {
    "roleId": 7,
    "roleDescription": "Wipe device",
    "defaultSpaceOnly": false,
    "permissions": [
      "View dashboard",
      "View device",
      "Wipe device",
      "View device details"
    ]
  },
  {
    "roleId": 8,
    "roleDescription": "Add device",
    "defaultSpaceOnly": false,
    "permissions": [
      "View dashboard",
      "View device",
      "Add device",
      "View device details"
    ]
  },
  {
    "roleId": 9,
```

```
"roleDescription": "Manage ActiveSync device",
"defaultSpaceOnly": true,
"permissions": [
  "View dashboard",
  "View device",
  "View device details",
  "View ActiveSync device",
  "Edit ActiveSync device"
]
},
{
  "roleId": 10,
  "roleDescription": "Manage AppTunnel",
  "defaultSpaceOnly": true,
  "permissions": [
    "AppTunnel"
  ]
},
{
  "roleId": 11,
  "roleDescription": "Manage device enrollment (iOS only)",
  "defaultSpaceOnly": true,
  "permissions": [
    "View dashboard",
    "View device",
    "View device details",
    "Device enrollment (iOS only)"
  ]
},
{
  "roleId": 12,
  "roleDescription": "Delete retired device (API only)",
  "defaultSpaceOnly": true,
```

```
    "permissions": [
      "View dashboard",
      "View device",
      "Delete retired device",
      "View device details"
    ]
  }
],
{
  "category": "Privacy Control",
  "roleAndPermissions": [
    {
      "roleId": 3,
      "roleDescription": "View apps in device details",
      "defaultSpaceOnly": false,
      "permissions": [
        "View dashboard",
        "View device",
        "View device details",
        "View apps in device details"
      ]
    },
    {
      "roleId": 6,
      "roleDescription": "Locate device",
      "defaultSpaceOnly": false,
      "permissions": [
        "View dashboard",
        "View device",
        "Locate device",
        "View device details"
      ]
    }
  ]
}
```

```
    }
  ]
},
{
  "category": "Label Management",
  "roleAndPermissions": [
    {
      "roleId": 13,
      "roleDescription": "View label",
      "defaultSpaceOnly": false,
      "permissions": [
        "View label"
      ]
    },
    {
      "roleId": 14,
      "roleDescription": "Manage label",
      "defaultSpaceOnly": false,
      "permissions": [
        "View device",
        "View device details",
        "View label",
        "Edit label"
      ]
    }
  ]
},
{
  "category": "User Management",
  "roleAndPermissions": [
    {
      "roleId": 15,
      "roleDescription": "View user",
```

```
    "defaultSpaceOnly": false,
    "permissions": [
      "View user"
    ]
  },
  {
    "roleId": 16,
    "roleDescription": "Manage user",
    "defaultSpaceOnly": false,
    "permissions": [
      "View user",
      "Edit user"
    ]
  }
],
{
  "category": "App Management",
  "roleAndPermissions": [
    {
      "roleId": 17,
      "roleDescription": "Manage app",
      "defaultSpaceOnly": true,
      "permissions": [
        "Manage app",
        "View app, apply and remove application label"
      ]
    },
    {
      "roleId": 33,
      "roleDescription": "Apply and remove application label",
      "defaultSpaceOnly": false,
      "permissions": [
```

```
        "View app, apply and remove application label"
    ]
}
]
},
{
    "category": "Configuration Management",
    "roleAndPermissions": [
        {
            "roleId": 18,
            "roleDescription": "View configuration",
            "defaultSpaceOnly": false,
            "permissions": [
                "View configuration"
            ]
        },
        {
            "roleId": 19,
            "roleDescription": "Manage configuration",
            "defaultSpaceOnly": true,
            "permissions": [
                "View configuration",
                "Edit configuration",
                "Apply and remove configuration label"
            ]
        },
        {
            "roleId": 20,
            "roleDescription": "Apply and remove configuration label",
            "defaultSpaceOnly": false,
            "permissions": [
                "View configuration",
                "Apply and remove configuration label"
            ]
        }
    ]
}
```

```
    ]
  }
]
},
{
  "category": "Policy Management",
  "roleAndPermissions": [
    {
      "roleId": 21,
      "roleDescription": "View policy",
      "defaultSpaceOnly": false,
      "permissions": [
        "View policy"
      ]
    },
    {
      "roleId": 22,
      "roleDescription": "Manage policy",
      "defaultSpaceOnly": true,
      "permissions": [
        "View policy",
        "Edit policy",
        "Apply and remove policy label",
        "View and edit ActiveSync policy",
        "View and edit compliance action"
      ]
    },
    {
      "roleId": 23,
      "roleDescription": "Apply and remove policy label",
      "defaultSpaceOnly": false,
      "permissions": [
        "View policy",
```

```
        "Apply and remove policy label"
    ]
}
]
},
{
    "category": "Settings Management",
    "roleAndPermissions": [
        {
            "roleId": 24,
            "roleDescription": "View settings",
            "defaultSpaceOnly": true,
            "permissions": [
                "View settings"
            ]
        },
        {
            "roleId": 25,
            "roleDescription": "Manage settings",
            "defaultSpaceOnly": true,
            "permissions": [
                "View settings",
                "Edit settings"
            ]
        }
    ]
},
{
    "category": "Logs and Events Management",
    "roleAndPermissions": [
        {
            "roleId": 26,
            "roleDescription": "View logs and events",
```

```
    "defaultSpaceOnly": true,
    "permissions": [
      "View logs and events"
    ]
  },
  {
    "roleId": 27,
    "roleDescription": "Manage logs and events",
    "defaultSpaceOnly": true,
    "permissions": [
      "View logs and events",
      "Edit logs and events"
    ]
  }
],
{
  "category": "Admin Management",
  "roleAndPermissions": [
    {
      "roleId": 1,
      "roleDescription": "Manage administrators and device spaces",
      "defaultSpaceOnly": true,
      "permissions": [
        "Manage administrators and device spaces"
      ]
    }
  ]
},
{
  "category": "Content Management",
  "roleAndPermissions": [
    {
```

```
    "roleId": 34,
    "roleDescription": "Manage Content",
    "defaultSpaceOnly": true,
    "permissions": [
      "Manage Content",
      "View content; apply and remove content labels"
    ]
  },
  {
    "roleId": 35,
    "roleDescription": "View content; apply and remove content labels",
    "defaultSpaceOnly": false,
    "permissions": [
      "View content; apply and remove content labels"
    ]
  }
]
},
{
  "category": "Others",
  "roleAndPermissions": [
    {
      "roleId": 28,
      "roleDescription": "Connector",
      "defaultSpaceOnly": true,
      "permissions": [
        "Connector"
      ]
    },
    {
      "roleId": 29,
      "roleDescription": "API",
      "defaultSpaceOnly": true,
```

```
    "permissions": [
      "Access V1 API"
    ]
  },
  {
    "roleId": 30,
    "roleDescription": "Mobile App",
    "defaultSpaceOnly": true,
    "permissions": [
      "Mobile App Access"
    ]
  },
  {
    "roleId": 31,
    "roleDescription": "Enforce single session (all spaces)",
    "defaultSpaceOnly": false,
    "permissions": [
      "Enforce single session"
    ]
  },
  {
    "roleId": 32,
    "roleDescription": "Perform system operations functions",
    "defaultSpaceOnly": true,
    "permissions": [
      "View search index settings and state",
      "Rebuild search index"
    ]
  }
]
}
],
"totalCount": 12,
```

```
"resultCount": 12  
}
```

# Admin Actions Management

## Get Action Types

This call returns all the admin action categories that are audit logged.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

### HTTP method

GET

### Request URI

api/v2/admins/{source}/actions

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sample Values                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                                                      |
| source             | <b>Parameter Type:</b> Path<br><br><b>Data Type:</b> String<br><br>Specifies the source from which the api call requests audit logged Admin actions. The api can request audit logged actions from two places, the Audit Logs page and Device Details Page.<br><br>Sending a blank value for the source parameter returns all the categories and its action types.<br><br>Sending <b>deviceDetails</b> , which means the source is Device Details Page, removes all the User related actions in the Certificate category, and returns all categories and action types as is. | api/v2/admins/<br><b>deviceDetails</b> /actions<br><br>or<br><br>api/v2/admins/actions |

## Response fields

| Field    | Description                                                                                                                                                                                                                                                                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| category | Returns the category name of logically grouped action types.                                                                                                                                                                                                                                                                                                    |
| actions  | <p>An array containing all the action types under the category. Entries in this array have the following fields</p> <ul style="list-style-type: none"><li>• <b>id</b>: Id of the action type</li><li>• <b>name</b>: Action type name</li><li>• <b>category</b>: Action type category</li><li>• <b>displayName</b>: UI display name of the action type</li></ul> |

## Sample request and response

### Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/admins/actions?adminDeviceSpaceId=1
```

### Response

In the interest of brevity, this response sample contains only one category and all of its included actions.

```
[
  {
    "category": "MDM",
    "actions": [
      {
        "id": 71,
        "name": "INSTALL_MDM_PROFILE",
        "category": "MDM",
        "displayName": "Install MDM Profile"
      },
      {
        "id": 72,
```

```
    "name": "REMOVE_MDM_PROFILE",
    "category": "MDM",
    "displayName": "Remove MDM Profile"
  },
  {
    "id": 73,
    "name": "INSTALL_ENCRYPTED_SUBPROFILE",
    "category": "MDM",
    "displayName": "Install Encrypted Sub-Profile"
  },
  {
    "id": 74,
    "name": "REMOVE_ENCRYPTED_SUBPROFILE",
    "category": "MDM",
    "displayName": "Remove Encrypted Sub-Profile"
  },
  {
    "id": 75,
    "name": "INSTALL_PROV_PROFILE",
    "category": "MDM",
    "displayName": "Install Provisioning Profile"
  },
  {
    "id": 76,
    "name": "REMOVE_PROV_PROFILE",
    "category": "MDM",
    "displayName": "Remove Provisioning Profile"
  },
  {
    "id": 77,
    "name": "DEVICE_LOCK",
    "category": "MDM",
    "displayName": "Device Lock"
  }
```

```
  },
  {
    "id": 78,
    "name": "CLEAR_PASSCODE",
    "category": "MDM",
    "displayName": "Clear Passcode"
  },
  {
    "id": 79,
    "name": "WIPE_DEVICE",
    "category": "MDM",
    "displayName": "Wipe Device"
  },
  {
    "id": 80,
    "name": "INSTALL_MANAGED_APP",
    "category": "MDM",
    "displayName": "Install Managed Application"
  },
  {
    "id": 81,
    "name": "REMOVE_MANAGED_APP",
    "category": "MDM",
    "displayName": "Remove Managed Application"
  },
  {
    "id": 82,
    "name": "APPLY_REDEMPTION_CODE",
    "category": "MDM",
    "displayName": "Apply Redemption Code"
  },
  {
    "id": 83,
```

```
    "name": "SETTINGS",  
    "category": "MDM",  
    "displayName": "Settings"  
  }  
]  
}  
]
```

# App Inventory Management

## Get list of installed apps

This call returns a list of installed apps. The api can return apps from all platforms or specific platforms.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                               |
|---------------------------------------------|
| <b>Category:</b> App Management             |
| <b>Role Description:</b> View app inventory |

### HTTP method

GET

### Request URI

/api/v2/appinventory/apps

## Request parameters

| Parameter          | Description                                                                                                                                                                   | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                          | 1            |
| limit              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br>Indicates the maximum number of entries to return.<br>Must be at least 0 and no more than 200.   |              |
| offset             | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return. |              |

| Parameter    | Description                                                                                                                                                                                                                                                                                                                                                                                              | Sample Value |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| platformType | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Char</p> <p>Specifies from which platform to return installed apps. Default to return apps from all platforms.</p> <p><b>Valid values:</b> I, A, M, E, Q</p> <ul style="list-style-type: none"><li>• I = iOS</li><li>• A = Android</li><li>• M = Windows Phone</li><li>• E = Windows 10 and Windows 8.1</li><li>• Q = Web Application</li></ul> | A            |
| query        | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies a search string for which to search in the app's name. For example, searching for "weather" would return the "AccuWeather" app.</p>                                                                                                                                                                                     | weather      |
| sortField    | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 320 characters</p> <p>Name of the field to use for sorting.</p>                                                                                                                                                                                                                        |              |

| Parameter   | Description                                                                                                                                                                                         | Sample Value |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| sortOrder   | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br><br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".                         | ASC          |
| summaryView | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Boolean<br><b>Default:</b> false<br><br>Summary view returns installed apps by app ID.<br>Detailed view returns installed apps by ID and version. | false        |

## Response fields

| Field       | Description                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | An array of the following objects: inventory ID, name, app ID, platformType, version, displayName, deviceCount, permissionCount, appRating, appScore, dateFound |
| totalCount  | The total number of entries that the query matched.                                                                                                             |
| resultCount | The number of entries that are being returned.                                                                                                                  |
| hasMore     | Indicates that there are more entries available.                                                                                                                |

## Sample request and response

### Request

```
curl -k -v -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/appinventory/apps?adminDeviceSpaceId=1&limit=2&query=casino&offset=0'
```

## Response

```
{
  "totalCount": 72906,
  "resultCount": 2,
  "hasMore": true,
  "results": [
    {
      "id": 100109,
      "name": "Casino CrapsAutoGenApp42188",
      "identifier": "application.identifier.Casino CrapsAutoGenApp42188",
      "platformType": "I",
      "version": "1.0",
      "displayVersion": "1.0",
      "deviceCount": 0,
      "permissionsCount": 0,
      "appRating": 0,
      "appScore": null,
      "dateFound": 1447475953000
    },
    {
      "id": 100110,
      "name": "Casino CrapsAutoGenApp42189",
      "identifier": "application.identifier.Casino CrapsAutoGenApp42189",
      "platformType": "I",
      "version": "3.3",
      "displayVersion": "3.3",
      "deviceCount": 0,
      "permissionsCount": 0,
      "appRating": 0,
      "appScore": null,
      "dateFound": 1447475953000
    }
  ]
}
```

```
}
```

## Get installed app details of a device

This call returns a list of installed apps on a device or a list of devices.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                        |
|------------------------------------------------------|
| <b>Category:</b> Privacy Control                     |
| <b>Role Description:</b> View apps in device details |

### HTTP method

GET

### Request URI

/api/v2/devices/appinventory

## Request parameters

| Parameter          | Description                                                                                                                                                                                | Sample Value                         |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                       | 1                                    |
| deviceUuids        | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String list<br><b>Default:</b> false<br>Comma separated list of device uuids.<br>Maximum combined number of 25 deviceUuids and wifiMacs. | df5e84fa-ffc0-47d7-98c2-300a4ada396b |
| wifiMacs           | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String list<br>Comma separated list of device wifi mac addresses.<br>Maximum combined number of 25 deviceUuids and wifiMacs.             | AC3C0B79FED7                         |

## Response fields

| Field            | Description                                |
|------------------|--------------------------------------------|
| messages         | Messages section                           |
| type             | Message type                               |
| messageKey       | Message key                                |
| localizedMessage | Localized message with parameters resolved |
| results          | Array of device details follow             |
| deviceUuid       | Details for this device uuid               |
| appInventory     | List of device apps follows                |
| name             | Name of app installed on the device        |
| identifier       | App identifier                             |
| version          | App version                                |
| platformType     | App platform type                          |
| status           | App status                                 |
| vpnName          | App vpn name                               |
| configurations   | List of app connect configurations follow  |
| typeId           | Configuration type id                      |
| clientId         | Device client id                           |
| appId            | App identifier                             |
| modifiedAt       | Timestamp of record modification           |
| appUuid          | App uuid                                   |
| agentUuid        | Agent uuid                                 |
| coreUuid         | Ivanti EPMM uuid                           |
| name             | App connect name                           |

| Field   | Description                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| state   | State                                                                                                                                                             |
| message | If there is an app (appUuid), client (agentUuid) or config (coreUuid) mismatch then old equals "true". Message will contain a description when old equals "true". |
| old     | If there is an app (appUuid), client (agentUuid) or config (coreUuid) mismatch then old equals "true". Message will contain a description when old equals "true". |

## Sample request and response

### Request

```
curl 'https://[Ivanti  
EPMM]/api/v2/devices/appinventory?adminDeviceSpaceId=1&deviceUids=e2431389-d5db-48b5-  
aa12-dff52746a5a5' -H 'Authorization: Basic <token>'
```

### Response

```
{  
  "results": [  
    {  
      "deviceUuid": "70e3fc6b-ee97-410d-a712-3bdbf8f004dd",  
      "appInventory": [  
        {  
          "name": "AllShare Cast Dongle S/W Update",  
          "identifier": "com.sec.android.fwupgrade",  
          "version": "1.2.3717",  
          "platformType": "A",  
          "status": null,  
          "vpnName": null,  
          "configurations": null  
        },  
        {  
          "name": "Android for Work App",  
          "identifier": "com.google.android.apps.work.core",  
          "version": "1.0.0",  
          "platformType": "A",  
          "status": null,  
          "vpnName": null,  
          "configurations": null  
        }  
      ]  
    }  
  ]  
}
```

```
    "version": "2.0.1",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "ANT Radio Service",
    "identifier": "com.dsi.ant.service.socket",
    "version": "4.14.0",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "ANT+ Plugins Service",
    "identifier": "com.dsi.ant.plugins.antplus",
    "version": "3.6.0",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Appium Settings",
    "identifier": "io.appium.settings",
    "version": "1.0",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  },
```

```
{
  "name": "AT&T Navigator",
  "identifier": "com.telenav.app.android.cingular",
  "version": "5.7.5.1.8421421",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "AT&T Protect Plus",
  "identifier": "com.asurion.android.mobilerecovery.att",
  "version": "8.76.4",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Beaming Service",
  "identifier": "com.mobeam.barcodeService",
  "version": "1.3.2 ",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Box",
  "identifier": "com.box.android",
  "version": "3.7.5",
  "platformType": "A",
  "status": null,
```

```
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "C646963",  
    "identifier": "com.testpackage.c646963",  
    "version": "1.0",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "C919229",  
    "identifier": "com.testpackage.c919229",  
    "version": "2.0",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "Chrome",  
    "identifier": "com.android.chrome",  
    "version": "50.0.2661.89",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "Drive",  
    "identifier": "com.google.android.apps.docs",
```

```
"version": "2.4.141.16.35",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Flipboard",
  "identifier": "flipboard.app",
  "version": "3.4.2",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Galaxy Apps",
  "identifier": "com.sec.android.app.samsungapps",
  "version": "4.1.04-9",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Books",
  "identifier": "com.google.android.apps.books",
  "version": "3.8.15",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
}
```

```
{
  "name": "Google Play Games",
  "identifier": "com.google.android.play.games",
  "version": "3.7.23 (2867637-038)",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Movies & TV",
  "identifier": "com.google.android.videos",
  "version": "3.13.10",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Music",
  "identifier": "com.google.android.music",
  "version": "6.7.2713Z.2790541",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play services",
  "identifier": "com.google.android.gms",
  "version": "9.2.56 (038-124593566)",
  "platformType": "A",
  "status": null,
```

```
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Google Play Store",
    "identifier": "com.android.vending",
    "version": "6.7.13.E-all [0] 2920566",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Google Text-to-speech Engine",
    "identifier": "com.google.android.tts",
    "version": "3.8.16",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Google+",
    "identifier": "com.google.android.apps.plus",
    "version": "7.7.0.120011031",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Hangouts",
    "identifier": "com.google.android.talk",
```

```
"version": "8.0.116581895",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "HP Print Service Plugin",
  "identifier": "com.hp.android.printservice",
  "version": "2.8-1.5.0-10e-16.1.16-71",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Keeper",
  "identifier": "com.callpod.android_apps.keeper",
  "version": "10.0.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Lookout",
  "identifier": "com.lookout",
  "version": "9.39.1-f7e5585",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
}
```

```
{
  "name": "Maps",
  "identifier": "com.google.android.apps.maps",
  "version": "9.23.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Mobile TV",
  "identifier": "com.mobitv.client.tv",
  "version": "6.0.main.84-3e70d92",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "MobileIron",
  "identifier": "com.mobileiron",
  "version": "9.0.1.0.68D",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Peel Smart Remote",
  "identifier": "tv.peel.smartremote",
  "version": "8.8.1",
  "platformType": "A",
  "status": null,
```

```
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "Pulse Secure",  
    "identifier": "net.pulsesecure.pulsesecure",  
    "version": "5.2.3.65383",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "S Health",  
    "identifier": "com.sec.android.app.shealth",  
    "version": "4.7.2.0003",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "Samsung Link Platform",  
    "identifier": "com.samsung.android.sdk.samsunglink",  
    "version": "2.0.2",  
    "platformType": "A",  
    "status": null,  
    "vpnName": null,  
    "configurations": null  
  },  
  {  
    "name": "Samsung Print Service Plugin",  
    "identifier": "com.sec.app.samsungprintservice",
```

```
    "version": "2.15.16011",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Samsung Push Service",
    "identifier": "com.sec.spp.push",
    "version": "1.6.00",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Security policy updates",
    "identifier": "com.policydm",
    "version": "SPD_v2_1409_2_1",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  {
    "name": "Softcard",
    "identifier": "com.isis.mclient.atnt.activity",
    "version": "3.0",
    "platformType": "A",
    "status": null,
    "vpnName": null,
    "configurations": null
  },
  },
```

```
{
  "name": "System Info for Android",
  "identifier": "com.electricsheep.asi",
  "version": "1.26.2",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "TalkBack",
  "identifier": "com.google.android.marvin.talkback",
  "version": "4.4.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "TouchDown for SmartPhones",
  "identifier": "com.nitrodesk.droid20.nitroid",
  "version": "8.5.00094",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Unlock",
  "identifier": "io.appium.unlock",
  "version": "1.0",
  "platformType": "A",
  "status": null,
```

```
        "vpnName": null,
        "configurations": null
    },
    {
        "name": "Vysor",
        "identifier": "com.koushikdutta.vysor",
        "version": "1.0.0.0",
        "platformType": "A",
        "status": null,
        "vpnName": null,
        "configurations": null
    },
    {
        "name": "YouTube",
        "identifier": "com.google.android.youtube",
        "version": "11.13.56",
        "platformType": "A",
        "status": null,
        "vpnName": null,
        "configurations": null
    },
    {
        "name": "YP",
        "identifier": "com.yellowpages.android.ypmobile",
        "version": "5.8.1",
        "platformType": "A",
        "status": null,
        "vpnName": null,
        "configurations": null
    }
]
}
```

---

```
"messages": [  
  {  
    "type": "Info",  
    "messageKey": "com.mobileiron.vsp.messages.appstore.get.inventory.devices.success",  
    "localizedMessage": "\"Got app inventory for devices [70e3fc6b-ee97-410d-a712-3bdbf8f004dd].\""  
  }  
]
```

## Get devices that have a specific app installed

This call returns a list of devices that have a specific app installed.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                               |
|---------------------------------------------|
| <b>Category:</b> App Management             |
| <b>Role Description:</b> View app inventory |

### HTTP method

GET

### Request URI

/api/v2/appinventory/devices

## Request parameters

| Parameter          | Description                                                                                                                                                                                            | Sample Value        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                       | 1                   |
| inventoryId        | Required: One of inventoryId, appName ,or AppId is mandatory.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Integer<br><br>Use /appinventory/apps?summaryView=false to get InventoryID. | 14                  |
| appName            | Required: One of inventoryId, appName ,or AppId is mandatory.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br>The name of the app.                                          | Hangouts            |
| appId              | Required: One of inventoryId, appName ,or AppId is mandatory.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br>Bundle ID of the app.                                         | com.google.hangouts |

| Parameter         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sample Value |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| platformType      | <p>Required;</p> <ul style="list-style-type: none"><li>• Yes when appName or appId is used.</li><li>• No when inventoryId is used.</li></ul> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies from which platform to return installed apps. Default to return apps from all platforms.</p> <p><b>Valid values:</b> I, A, M, E, Q</p> <ul style="list-style-type: none"><li>• I = iOS</li><li>• A = Android</li><li>• M = Windows Phone</li><li>• E = Windows 10 and Windows 8.1</li><li>• Q = Web Application</li></ul> | A            |
| appDisplayVersion | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies the version of the app.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5.1.20393    |
| limit             | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>                                                                                                                                                                                                                                                                                                                                                             |              |

| Parameter | Description                                                                                                                                                                                                                                                                                                                 | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return.                                                                                                                                               |              |
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Valid Values: <ul style="list-style-type: none"><li>• <b>phonenumber</b> (device current phone number)</li><li>• <b>username</b> (device user principal)</li><li>• <b>platform</b> (device platform)</li><li>• <b>version</b> (app inventory version)</li></ul> | phonenumber  |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".                                                                                                                                                        | ASC          |

## Response fields

| Field       | Description                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results     | An array of the following objects: uuid, id, principal, deviceSpaceId, deviceSpacePath, username, platform, os, phoneNumber, model, version, name, managed, and vppAccountName. |
| totalCount  | The total number of entries that the query matched.                                                                                                                             |
| resultCount | The number of entries that are being returned.                                                                                                                                  |
| hasMore     | Indicates that there are more entries available.                                                                                                                                |

## Sample request and response

### Request

```
curl -k -v -sS -u <userName>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/appinventory/devices?adminDeviceSpaceId=1&inventoryId=14&sortField=username&sortOrder=ASC&page=1&offset=0&limit=50'
```

### Response

```
{
  "totalCount":2,
  "resultCount":2,
  "hasMore":false,
  "results":[
    {
      "uuid":"a27d569a-33e0-4712-ab2f-10ec9d343fda",
      "id":2,
      "principal":"miadmin",
      "deviceSpaceId":1,
      "deviceSpacePath":"/1/",
      "username":"miadmin",
      "platform":"iOS 9.1",
      "os":"I",

```

```
    "phonenumber":"PDA 2",
    "model":"iPad Mini",
    "version":"8536168",
    "name":"miadmin",
    "managed":false,
    "vppAccountName":null
  },
  {
    "uuid":"526bc7a4-2d2e-4230-a766-05e94777c01d",
    "id":1,
    "principal":"miadmin",
    "deviceSpaceId":1,
    "deviceSpacePath":"/1/",
    "username":"miadmin",
    "platform":"iOS 9.1",
    "os":"I",
    "phonenumber":"15109348961",
    "model":"iPhone 6 Plus",
    "version":"8536168",
    "name":"miadmin",
    "managed":false,
    "vppAccountName":null
  }
]
```

# App Store Management

## Get a list of all available apps

This call gets a list of all available apps.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

GET

### Request URI

/api/v2/appstore/apps

### Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |

## Response fields

| Field             | Description |
|-------------------|-------------|
| totalCount        |             |
| resultCount       |             |
| hasMore           |             |
| results           |             |
| name              |             |
| id                |             |
| version           |             |
| description       |             |
| installName       |             |
| platformId        |             |
| platforms         |             |
| createdAt         |             |
| installerFileName |             |
| source            |             |
| pushedCount       |             |
| installedCount    |             |
| pendingCount      |             |
| installState      |             |
| rowType           |             |
| bundleId          |             |
| appSortOrder      |             |
| platformType      |             |
| pushLabels        |             |

| Field                     | Description |
|---------------------------|-------------|
| publishLabels             |             |
| vppLabels                 |             |
| tokensPurchased           |             |
| tokensRemaining           |             |
| vppLicensesPurchased      |             |
| vppLicensesUsed           |             |
| size                      |             |
| author                    |             |
| webAppUri                 |             |
| format                    |             |
| appIconUrl                |             |
| permissionUpdateAvailable |             |
| afw                       |             |
| appBgColor                |             |
| hidden                    |             |
| profileExpirationDate     |             |
| categories                |             |
| recommendedApp            |             |

## Sample request and responses

### Request

```
curl -X GET -H "Authorization: Basic <token>" "https://[Ivanti EPMM]/api/v2/appstore/apps?adminDeviceSpaceId=1"
```

### Response

```
{
```

```
"totalCount": 15,
"resultCount": 15,
"hasMore": false,
"results": [
  {
    "name": "Accellion",
    "id": 108,
    "version": null,
    "description": null,
    "installName": null,
    "platformId": null,
    "platforms": null,
    "createdAt": 1478044321000,
    "installerFileName": null,
    "source": "Public",
    "pushedCount": 0,
    "installedCount": 0,
    "pendingCount": 0,
    "installState": "",
    "rowType": null,
    "bundleID": "com.accellion.AccellioniPhone",
    "appSortOrder": null,
    "platformType": "I",
    "pushLabels": null,
    "publishLabels": [ ],
    "vppLabels": [ ],
    "tokensPurchased": 0,
    "tokensRemaining": 0,
    "vppLicensesPurchased": 0,
    "vppLicensesUsed": 0,
    "size": 53989376,
    "author": "Accellion, Inc.",
    "webAppUri": null,
```

```
    "format": null,
    "appIconUrl": "/mifs/admin/rest/api/v2/appstore/apps/108/images/4f393e17-4b8b-445d-
b6a0-fbb17cac087b",
    "permissionUpdateAvailable": false,
    "afw": false,
    "appBgColor": null,
    "hidden": false,
    "profileExpirationDate": null,
    "categories": [ ],
    "recommendedApp": true
  },
  {
    "name": "Acronis Access",
    "id": 115,
    "version": null,
    "description": null,
    "installName": null,
    "platformId": null,
    "platforms": null,
    "createdAt": 1478044338000,
    "installerFileName": null,
    "source": "Public",
    "pushedCount": 0,
    "installedCount": 0,
    "pendingCount": 0,
    "installState": "",
    "rowType": null,
    "bundleID": "com.grouplogic.mobilecho",
    "appSortOrder": null,
    "platformType": "I",
    "pushLabels": null,
    "publishLabels": [ ],
    "vppLabels": [ ],
```

```
    "tokensPurchased": 0,
    "tokensRemaining": 0,
    "vppLicensesPurchased": 0,
    "vppLicensesUsed": 0,
    "size": 138735616,
    "author": "Group Logic, Inc.",
    "webAppUri": null,
    "format": null,
    "appIconUrl": "/mifs/admin/rest/api/v2/appstore/apps/115/images/2e71acf0-2f36-4553-8e9c-4640e88a5191",
    "permissionUpdateAvailable": false,
    "afw": false,
    "appBgColor": null,
    "hidden": false,
    "profileExpirationDate": null,
    "categories": [ ],
    "recommendedApp": true
  },
  ...
]
```

## Get app data by id

This call gets app data by app id.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

GET

## Request URI

/api/v2/appstore/apps/{id}

## Request parameters

| Parameter          | Description                                                                                                                                                    | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                               | 1            |
| id                 | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>The app's ID. You can find it by issuing GET /api/v2/appstore/apps. | 2            |

## iOS Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| platformType       |             |
| platformCode       |             |
| version            |             |
| altVersion         |             |
| displayVersion     |             |
| appId              |             |
| creatorType        |             |
| catalogType        |             |
| publicAppStoreType |             |
| publicStoreId      |             |
| developerName      |             |
| description        |             |
| cost               |             |
| currency           |             |
| averageRating      |             |
| ratingCount        |             |
| installSize        |             |
| createdAt          |             |
| modifiedAt         |             |
| vpnIds             |             |

| Field                  | Description |
|------------------------|-------------|
| iconFile               |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| }                      |             |
| installer              |             |
| phoneScreenshots       |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| tabletScreenshots      |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| categories             |             |
| featuredApp            |             |
| featuredBanner         |             |
| bannerDescription      |             |
| bannerStyle            |             |
| hiddenInAppstore       |             |
| perAppVpnByLabelOnly   |             |
| dataProtectionRequired |             |
| overrideURL            |             |

| Field                               | Description                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| quarantinable                       |                                                                                                                                                                                                          |
| pushedOnRegistration                |                                                                                                                                                                                                          |
| backupPrevented                     |                                                                                                                                                                                                          |
| cdnServiceEnabled                   |                                                                                                                                                                                                          |
| cdnDisabled                         |                                                                                                                                                                                                          |
| deviceSpaceId                       |                                                                                                                                                                                                          |
| spaces                              |                                                                                                                                                                                                          |
| id                                  |                                                                                                                                                                                                          |
| name                                |                                                                                                                                                                                                          |
| parentId                            |                                                                                                                                                                                                          |
| path                                |                                                                                                                                                                                                          |
| newApp                              |                                                                                                                                                                                                          |
| minimumOsVersion                    | This call returns a cryptic value for minimumOsVersion. Please see the call " <a href="#">Get minimumOsVersion Information</a> " on page 645 to decode the minimumOsVersion value returned by this call. |
| apnsCertificate                     |                                                                                                                                                                                                          |
| ipadOnly                            |                                                                                                                                                                                                          |
| noCostApp                           |                                                                                                                                                                                                          |
| provisioningProfile                 |                                                                                                                                                                                                          |
| messagingSupported                  |                                                                                                                                                                                                          |
| allowUpdateFromUnmanagedToManaged   |                                                                                                                                                                                                          |
| enforceUpdateFromUnmanagedToManaged |                                                                                                                                                                                                          |
| profileExpirationDate               |                                                                                                                                                                                                          |

| Field                    | Description |
|--------------------------|-------------|
| removeAppWhenMDMDisabled |             |
| pushedOnQuarantine       |             |
| codeVersion              |             |
| autoUpdateEnabled        |             |
| manualUpdateEnabled      |             |
| appStoreDetailUrl        |             |
| vpnNames                 |             |
| preferPlistAppConfig     |             |
| oneTouchAppConfigs       |             |
| updatedSpecAvailable     |             |
| messages                 |             |
| type                     |             |
| messageKey               |             |
| localizedMessage         |             |

## Android Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| platformType       |             |
| platformCode       |             |
| version            |             |
| altVersion         |             |
| displayVersion     |             |
| appId              |             |
| creatorType        |             |
| catalogType        |             |
| publicAppStoreType |             |
| publicStoreId      |             |
| developerName      |             |
| description        |             |
| updateNotes        |             |
| cost               |             |
| currency           |             |
| averageRating      |             |
| ratingCount        |             |
| installSize        |             |
| createdAt          |             |
| modifiedAt         |             |

| Field                  | Description |
|------------------------|-------------|
| vpnIds                 |             |
| iconFile               |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| installer              |             |
| phoneScreenshots       |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| tabletScreenshots      |             |
| categories             |             |
| featuredApp            |             |
| featuredBanner         |             |
| bannerDescription      |             |
| bannerStyle            |             |
| hiddenInAppstore       |             |
| perAppVpnByLabelOnly   |             |
| dataProtectionRequired |             |
| overrideURL            |             |
| quarantinable          |             |
| pushedOnRegistration   |             |
| backupPrevented        |             |

| Field                     | Description |
|---------------------------|-------------|
| cdnServiceEnabled         |             |
| cdnDisabled               |             |
| deviceSpaceId             |             |
| spaces                    |             |
| id                        |             |
| name                      |             |
| parentId                  |             |
| path                      |             |
| newApp                    |             |
| minimumOsVersion          |             |
| androidWork               |             |
| androidWorkSilentInstall  |             |
| androidWorkBlockUninstall |             |
| blockWidget               |             |
| autoUpdate                |             |
| permissionUpdateAvailable |             |
| enterpriseConfigs         |             |
| name                      |             |
| restrictions              |             |
| title                     |             |
| key                       |             |
| value                     |             |
| type                      |             |

| Field        | Description |
|--------------|-------------|
| values       |             |
| displayValue |             |
| permissions  |             |
| id           |             |
| name         |             |
| description  |             |
| value        |             |
| displayValue |             |
| permissionId |             |
| labels       |             |
| id           |             |
| name         |             |
| name         |             |
| restrictions |             |
| permissions  |             |
| id           |             |
| name         |             |
| description  |             |
| value        |             |
| displayValue |             |
| permissionId |             |
| labels       |             |
| id           |             |

| Field              | Description |
|--------------------|-------------|
| name               |             |
| name               |             |
| restrictions       |             |
| permissions        |             |
| id                 |             |
| name               |             |
| description        |             |
| value              |             |
| displayValue       |             |
| permissionId       |             |
| labels             |             |
| versionRequired    |             |
| codeVersion        |             |
| mandatory          |             |
| mandatoryOverwrite |             |
| secureApp          |             |
| enforceVersion     |             |
| vpnNames           |             |
| messages           |             |
| type               |             |
| messageKey         |             |
| localizedMessage   |             |

## Sample request and responses

### iOS Request

```
curl -X GET \  
  'https://[Ivanti EPMM]/api/v2/appstore/apps/119?adminDeviceSpaceId=1' \
```

### iOS Response

```
{  
  "results": {  
    "id": 119,  
    "name": "Words With Friends - Word Game",  
    "platformType": "iPhone",  
    "platformCode": "I",  
    "version": null,  
    "altVersion": "",  
    "displayVersion": null,  
    "appId": "com.newtoyinc.NewWordsWithFriendsFree",  
    "creatorType": "ADMIN",  
    "catalogType": "APP",  
    "publicAppStoreType": "ITUNES",  
    "publicStoreId": "804379658",  
    "developerName": "Zynga Inc.",
```

"description": "The World's Most Popular Mobile Word Game now has even more ways to play! Try new rewards and boosts to help you play smarter and faster!\n\nWords With Friends is the fun, free word game that lets you connect with friends and family while expanding your vocabulary and sharpening your wit. Test your brain power and spell your way to victory. \n\nMay the Best Friend Win.™ \n\nGame Features: \n\n•\n\nWEEKLY CHALLENGE: Play the weekly challenge and earn fun, themed badges\n\n•\n\nSOLO PLAY: Play offline and sharpen your skills with solo play\n\n•\n\nHINDSIGHT: Uncover the best word you could have played after each turn \n\n•\n\nWORD RADAR: Heat map reveals all possible moves before you take a turn\n\n•\n\nPROFILE FRAMES: Show off your unique style with custom profile frames \n\n•\n\nSMART MATCH: Connect with players of a similar skill with Smart Match\n\n•\n\n6 LANGUAGES: Choose to play in Spanish, French, German, Italian, Brazilian Portuguese and British English\n\n•\n\nPlay Words With Friends without third party ads between moves if you previously purchased Words With Friends Pro on iOS or any other mobile device. Be sure to login with Facebook or the email account you used to make the previous purchase to continue to play without third party ads between moves.\n\nAlready an accomplished Wordie? Like us on Facebook or follow us on Twitter to stay up-to-date on game news, contests, polls and more.\n\nhttps://www.facebook.com/WordsWithFriends\n\nhttps://twitter.com/WordsWFriends\n\nhttps://instagram.com/wordswithfriends \n\nWe love hearing from you! Have a question or a suggestion? \n\nAsk questions here: http://zynga.tm/d0lTx \n\nShare suggestions here: http://zynga.tm/r02dY \n\nThank you for playing Words With Friends!\n\nAdditional Information:\n\nThe game is free to play; however, in-app purchases are available for additional content and in-game currency. In-app purchases range from \$0.99 to \$99.99 USD.",

"updateNotes": "Dear Wordies,\n\nWe've updated our latest version with bug fixes and improvements!\n\nMay The Best Friend Win\n\nWords With Friends",

"cost": 0,  
"currency": "USD",  
"averageRating": 4.5,  
"ratingCount": 237475,  
"installSize": 269412352,  
"createdAt": 1558033456000,  
"modifiedAt": 1558033473000,  
"vpnIds": [],  
"iconFile": {  
"fileName": "logo.png",  
"uuid": "fef256c0-55bb-4fab-8b73-6790db3cbdce",  
"url":  
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=fef256c0-55bb-4fab-8b73-6790db3cbdce&ext=PNG"  
},  
"installer": null,  
"phoneScreenshots": [  
{  
"fileName": "screen-shot-0.png",

```
    "uuid": "485f75da-fd29-402e-b906-099ba3207a11",  
    "url":  
    "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=485f75  
da-fd29-402e-b906-099ba3207a11&ext=PNG"  
  },  
  {  
    "fileName": "screen-shot-1.png",  
    "uuid": "cbdfd6da-2e62-48fe-a5f1-5924767da24a",  
    "url":  
    "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=cbdfd6  
da-2e62-48fe-a5f1-5924767da24a&ext=PNG"  
  },  
  {  
    "fileName": "screen-shot-2.png",  
    "uuid": "041018d2-88a3-4d8b-9c2e-cd0d019d297e",  
    "url":  
    "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=041018  
d2-88a3-4d8b-9c2e-cd0d019d297e&ext=PNG"  
  },  
  {  
    "fileName": "screen-shot-3.png",  
    "uuid": "ac6cf248-e540-4288-838e-dac7e8b0e70c",  
    "url":  
    "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=ac6cf2  
48-e540-4288-838e-dac7e8b0e70c&ext=PNG"  
  },  
  {  
    "fileName": "screen-shot-4.png",  
    "uuid": "bb07b4cf-456f-42fd-94a0-f6a5b419a2d1",  
    "url":  
    "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=bb07b4  
cf-456f-42fd-94a0-f6a5b419a2d1&ext=PNG"  
  },  
  {  
    "fileName": "screen-shot-5.png",  
    "uuid": "36609455-8a1b-4748-9b9f-bbaece68d559",
```

```
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=366094
55-8a1b-4748-9b9f-bbaece68d559&ext=PNG"
    },
    {
      "fileName": "screen-shot-6.png",
      "uuid": "adb326c4-e395-4ebe-bab1-eccb774285cf",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=adb326
c4-e395-4ebe-bab1-eccb774285cf&ext=PNG"
    }
  ],
  "tabletScreenshots": [
    {
      "fileName": "screen-shot-0.png",
      "uuid": "db7738cc-ae44-4f4d-8440-b96f18171bde",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=db7738
cc-ae44-4f4d-8440-b96f18171bde&ext=PNG"
    },
    {
      "fileName": "screen-shot-1.png",
      "uuid": "3ffc7873-b420-443a-87c6-94e5bdc5463f",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=3ffc78
73-b420-443a-87c6-94e5bdc5463f&ext=PNG"
    },
    {
      "fileName": "screen-shot-2.png",
      "uuid": "0fbd03e7-22a8-4dd3-b5db-d7be40ff2a83",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=0fbd03
e7-22a8-4dd3-b5db-d7be40ff2a83&ext=PNG"
    },
    {
      "fileName": "screen-shot-3.png",
      "uuid": "3e04a2e1-17c9-4fca-971d-633aab95f5f3",
```

```
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=3e04a2e1-17c9-4fca-971d-633aab95f5f3&ext=PNG"
    },
    {
      "fileName": "screen-shot-4.png",
      "uuid": "117ff378-0584-4cc6-82dc-76e69297cb00",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=117ff378-0584-4cc6-82dc-76e69297cb00&ext=PNG"
    },
    {
      "fileName": "screen-shot-5.png",
      "uuid": "89027db9-3fbc-4a21-837c-9e62b4cf621e",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=89027db9-3fbc-4a21-837c-9e62b4cf621e&ext=PNG"
    },
    {
      "fileName": "screen-shot-6.png",
      "uuid": "56de0099-6922-4002-bbe3-16d535fabd94",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=56de0099-6922-4002-bbe3-16d535fabd94&ext=PNG"
    }
  ],
  "categories": [],
  "featuredApp": false,
  "featuredBanner": false,
  "bannerDescription": null,
  "bannerStyle": null,
  "hiddenInAppstore": false,
  "perAppVpnByLabelOnly": false,
  "dataProtectionRequired": false,
  "overrideURL": null,
  "quarantinable": false,
  "pushedOnRegistration": false,
```

---

```
"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  }
],
"newApp": true,
"minimumOsVersion": "11000000",
"apnsCertificate": null,
"ipadOnly": false,
"noCostApp": true,
"provisioningProfile": null,
"messagingSupported": false,
"allowUpdateFromUnmanagedToManaged": false,
"enforceUpdateFromUnmanagedToManaged": false,
"profileExpirationDate": null,
"removeAppWhenMDMDisabled": true,
"pushedOnQuarantine": false,
"codeVersion": "",
"autoUpdateEnabled": false,
"manualUpdateEnabled": false,
"appStoreDetailUrl":
"https://app642.auto.mobileiron.com/mifs/asfV3x/appstore?appid=119",
"vpnNames": null,
"preferPlistAppConfig": false,
"oneTouchAppConfigs": [],
"updatedSpecAvailable": false
```

```
    },  
    "messages": [  
      {  
        "type": "Info",  
        "messageKey": "com.mobileiron.vsp.messages.appstore.get.app.success",  
        "localizedMessage": "App successfully fetched."  
      }  
    ]  
  }  
}
```

## Android request

```
curl -G -k -sS -u <userName>:<password> 'https://[Ivanti EPMM]/api/v2/appstore/apps/124'  
--data-urlencode 'adminDeviceSpaceId=1'
```

## Android response

```
{  
  "results": {  
    "id": 124,  
    "name": "Maps - Navigation & Transit",  
    "platformType": "Android",  
    "platformCode": "A",  
    "version": null,  
    "altVersion": "",  
    "displayVersion": null,  
    "appId": "com.google.android.apps.maps",  
    "creatorType": "ADMIN",  
    "catalogType": "APP",  
    "publicAppStoreType": "GOOGLE_PLAY",  
    "publicStoreId": "com.google.android.apps.maps",  
    "developerName": "Google Inc.",  
  }  
}
```

```
"description": "Going somewhere? Go with Maps, the official app you can rely on for  
real-time GPS navigation, traffic, transit, and details about millions of places, such  
as reviews and popular times.<br><br>Get there faster with real-time updates<br>Beat  
traffic with real-time navigation, ETAs and traffic conditions<br>Catch your bus, train,  
or ride-share with real-time transit info<br>Save time with automatic re-routing based  
on live traffic, road closures and traffic incidents<br>Navigation with lane guidance so  
you don't miss a turn or exit<br>Find pit stops along your route like gas stations and  
coffee spots<br><br>Discover places and explore like a local<br>Find top-rated  
restaurants and local businesses, wherever you are<br>Decide on the best places to go  
with reviews, ratings, and pictures of foods and interiors<br>Plan your visit and see  
menus, make reservations, and find when places are typically busiest<br>Help others  
discover the best places by sharing reviews, photos and more<br>Save places you want to  
or often visit, and quickly find them later from any computer or  
device<br><br>Experience the Google Maps difference<br>Offline maps to search, get  
directions and use navigation without an internet connection<br>Street View and indoor  
imagery for restaurants, shops, museums and more<br>Indoor maps to quickly find your way  
inside big places like airports, malls and stadiums<br>Comprehensive, accurate maps in  
220 countries and territories<br>Transit schedules and maps for over 15,000  
cities<br>Detailed business information on over 100 million places<br><br>* Some  
features not available in all countries<br><br>____<br>Popular tips<br>• Get better  
location accuracy http://goo.gl/OgnOsv<br>• Improve voice navigation  
http://goo.gl/bDMK6P<br>• Report wrong directions http://goo.gl/hyOG6m<br><br>____  
<br>More tips<br>Visit the help center: http://goo.gl/zganXz<br>Become a beta tester:  
http://goo.gl/vLUcaJ",
```

```
"updateNotes": "• Bug FixesBecome a beta tester: http://goo.gl/vLUcaJ",  
  
"cost": 0,  
  
"currency": null,  
  
"averageRating": null,  
  
"ratingCount": null,  
  
"installSize": 0,  
  
"createdAt": 1495579731000,  
  
"modifiedAt": 1495663372000,  
  
"vpnIds": [ ],  
  
"iconFile": {  
  "fileName": "logo.png",  
  "uuid": "ce7260f6-086a-4b73-b422-f7e17aa2479d",  
  "url":  
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=ce7260  
f6-086a-4b73-b422-f7e17aa2479d&ext=PNG"  
},  
  
"installer": null,  
  
"phoneScreenshots": [  
  {  
    "fileName": "screen-shot-0.png",  
    "uuid": "fd4f42e9-5fdb-4a9e-a5c3-ce71c69d7a49",
```

```
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=fd4f42
e9-5fdb-4a9e-a5c3-ce71c69d7a49&ext=PNG"
    },
    {
      "fileName": "screen-shot-1.png",
      "uuid": "8021484d-f67b-4d1f-b44b-42b665e44e35",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=802148
4d-f67b-4d1f-b44b-42b665e44e35&ext=PNG"
    },
    {
      "fileName": "screen-shot-2.png",
      "uuid": "706a3467-9259-48f7-afff-f25b6e3ac59b",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=706a34
67-9259-48f7-afff-f25b6e3ac59b&ext=PNG"
    },
    {
      "fileName": "screen-shot-3.png",
      "uuid": "6e99341f-c00e-4c3e-96a0-643d42842261",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=6e9934
1f-c00e-4c3e-96a0-643d42842261&ext=PNG"
    },
    {
      "fileName": "screen-shot-4.png",
      "uuid": "6c3a8c53-d470-49da-97a7-797a15b17039",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=6c3a8c
53-d470-49da-97a7-797a15b17039&ext=PNG"
    },
    {
      "fileName": "screen-shot-5.png",
      "uuid": "b60ff489-a4b6-4840-908c-7b3f3a15f324",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=b60ff4
89-a4b6-4840-908c-7b3f3a15f324&ext=PNG"
    },
  ],
```

```
{
  "fileName": "screen-shot-6.png",
  "uuid": "30d42977-c9e3-4ec8-83af-20688589e73a",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=30d429
77-c9e3-4ec8-83af-20688589e73a&ext=PNG"
},
{
  "fileName": "screen-shot-7.png",
  "uuid": "0f4c538e-aef7-47d2-a7fd-e6156f023442",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=0f4c53
8e-aef7-47d2-a7fd-e6156f023442&ext=PNG"
},
{
  "fileName": "screen-shot-8.png",
  "uuid": "b5b11f03-6943-466e-8edc-a5c97426d3e1",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=b5b11f
03-6943-466e-8edc-a5c97426d3e1&ext=PNG"
},
{
  "fileName": "screen-shot-9.png",
  "uuid": "ee5d36b9-436d-42ec-a977-48a65a53750c",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=ee5d36
b9-436d-42ec-a977-48a65a53750c&ext=PNG"
},
{
  "fileName": "screen-shot-10.png",
  "uuid": "8f27afa5-6130-4bc7-a10a-093f6de35a8d",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=8f27af
a5-6130-4bc7-a10a-093f6de35a8d&ext=PNG"
},
{
  "fileName": "screen-shot-11.png",
  "uuid": "98a4e274-85a0-40c3-9675-589d8bc8c34f",
```

```
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=98a4e2
74-85a0-40c3-9675-589d8bc8c34f&ext=PNG"
    }
  ],
  "tabletScreenshots": [ ],
  "categories": [ ],
  "featuredApp": false,
  "featuredBanner": false,
  "bannerDescription": null,
  "bannerStyle": null,
  "hiddenInAppstore": false,
  "perAppVpnByLabelOnly": false,
  "dataProtectionRequired": false,
  "overrideURL": null,
  "quarantinable": false,
  "pushedOnRegistration": false,
  "backupPrevented": false,
  "cdnServiceEnabled": false,
  "cdnDisabled": false,
  "deviceSpaceId": 1,
  "spaces": [
    {
      "id": 1,
      "name": "Global",
      "parentId": 0,
      "path": "/1/"
    }
  ],
  "newApp": true,
  "minimumOsVersion": null,
  "androidWork": true,
  "androidWorkSilentInstall": true,
  "androidWorkBlockUninstall": false,
```

```
"blockWidget": false,
"autoUpdate": false,
"permissionUpdateAvailable": false,
"enterpriseConfigs": [
  {
    "name": "GM2",
    "restrictions": [
      {
        "title": "",
        "key": "",
        "value": "",
        "type": "",
        "values": [

        ],
        "displayValue": ""
      }
    ],
    "permissions": [
      {
        "id": 118,
        "name": "read your contacts",
        "description": "Allows the app to read data about your contacts stored on your
device, including the frequency with which you've called, emailed, or communicated in
other ways with specific individuals. This permission allows apps to save your contact
data, and malicious apps may share contact data without your knowledge.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_CONTACTS"
      },
      {
        "id": 119,
        "name": "directly call phone numbers",
```

```
    "description": "Allows the app to call phone numbers without your  
intervention. This may result in unexpected charges or calls. Note that this doesn't  
allow the app to call emergency numbers. Malicious apps may cost you money by making  
calls without your confirmation.",
```

```
    "value": 1,
```

```
    "displayValue": "Use Default",
```

```
    "permissionId": "android.permission.CALL_PHONE"
```

```
  },
```

```
  {
```

```
    "id": 120,
```

```
    "name": "find accounts on the device",
```

```
    "description": "Allows the app to get the list of accounts known by the  
device. This may include any accounts created by applications you have installed.",
```

```
    "value": 0,
```

```
    "displayValue": "User Prompt",
```

```
    "permissionId": "android.permission.GET_ACCOUNTS"
```

```
  },
```

```
  {
```

```
    "id": 121,
```

```
    "name": "modify or delete the contents of your USB storage",
```

```
    "description": "Allows the app to write to the USB storage.",
```

```
    "value": 0,
```

```
    "displayValue": "User Prompt",
```

```
    "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE"
```

```
  },
```

```
  {
```

```
    "id": 122,
```

```
    "name": "precise location (GPS and network-based)",
```

```
    "description": "Allows the app to get your precise location using the Global  
Positioning System (GPS) or network location sources such as cell towers and Wi-Fi.  
These location services must be turned on and available to your device for the app to  
use them. Apps may use this to determine where you are, and may consume additional  
battery power.",
```

```
    "value": 1,
```

```
    "displayValue": "Use Default",
```

```
    "permissionId": "android.permission.ACCESS_FINE_LOCATION"
```

```
  },
```

```
{
  "id": 123,
  "name": "approximate location (network-based)",
  "description": "Allows the app to get your approximate location. This location
is derived by location services using network location sources such as cell towers and
Wi-Fi. These location services must be turned on and available to your device for the
app to use them. Apps may use this to determine approximately where you are.",
  "value": 1,
  "displayValue": "Use Default",
  "permissionId": "android.permission.ACCESS_COARSE_LOCATION"
},
{
  "id": 124,
  "name": "modify your contacts",
  "description": "Allows the app to modify the data about your contacts stored
on your device, including the frequency with which you've called, emailed, or
communicated in other ways with specific contacts. This permission allows apps to delete
contact data.",
  "value": 0,
  "displayValue": "User Prompt",
  "permissionId": "android.permission.WRITE_CONTACTS"
},
{
  "id": 125,
  "name": "write call log",
  "description": "Allows the app to modify your device's call log, including
data about incoming and outgoing calls. Malicious apps may use this to erase or modify
your call log.",
  "value": 0,
  "displayValue": "User Prompt",
  "permissionId": "android.permission.WRITE_CALL_LOG"
},
{
  "id": 126,
  "name": "record audio",
  "description": "Allows the app to record audio with the microphone. This
permission allows the app to record audio at any time without your confirmation.",
```

```
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.RECORD_AUDIO"
  },
  {
    "id": 127,
    "name": "read call log",
    "description": "Allows the app to read your device's call log, including data
about incoming and outgoing calls. This permission allows apps to save your call log
data, and malicious apps may share call log data without your knowledge.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.READ_CALL_LOG"
  },
  {
    "id": 128,
    "name": "read the contents of your USB storage",
    "description": "Allows the app to read the contents of your USB storage.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.READ_EXTERNAL_STORAGE"
  },
  {
    "id": 129,
    "name": "read phone status and identity",
    "description": "Allows the app to access the phone features of the device.
This permission allows the app to determine the phone number and device IDs, whether a
call is active, and the remote number connected by a call.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.READ_PHONE_STATE"
  }
],
"labels": [
  {
```

```
    "id": -10,
    "name": "Android"
  },
  {
    "id": -6,
    "name": "Company-Owned"
  }
]
},
{
  "name": "GM1",
  "restrictions": [ ],
  "permissions": [
    {
      "id": 118,
      "name": "read your contacts",
      "description": "Allows the app to read data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific individuals. This permission allows apps to save your contact data, and malicious apps may share contact data without your knowledge.",
      "value": 0,
      "displayValue": "Accept",
      "permissionId": "android.permission.READ_CONTACTS"
    },
    {
      "id": 119,
      "name": "directly call phone numbers",
      "description": "Allows the app to call phone numbers without your intervention. This may result in unexpected charges or calls. Note that this doesn't allow the app to call emergency numbers. Malicious apps may cost you money by making calls without your confirmation.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.CALL_PHONE"
    }
  ]
}
```

---

```
    "id": 120,
    "name": "find accounts on the device",
    "description": "Allows the app to get the list of accounts known by the
device. This may include any accounts created by applications you have installed.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.GET_ACCOUNTS"
  },
  {
    "id": 121,
    "name": "modify or delete the contents of your USB storage",
    "description": "Allows the app to write to the USB storage.",
    "value": 0,
    "displayValue": "Deny",
    "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE"
  },
  {
    "id": 122,
    "name": "precise location (GPS and network-based)",
    "description": "Allows the app to get your precise location using the Global
Positioning System (GPS) or network location sources such as cell towers and Wi-Fi.
These location services must be turned on and available to your device for the app to
use them. Apps may use this to determine where you are, and may consume additional
battery power.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.ACCESS_FINE_LOCATION"
  },
  {
    "id": 123,
    "name": "approximate location (network-based)",
    "description": "Allows the app to get your approximate location. This location
is derived by location services using network location sources such as cell towers and
Wi-Fi. These location services must be turned on and available to your device for the
app to use them. Apps may use this to determine approximately where you are.",
    "value": 0,
    "displayValue": "Deny",
```

```
    "permissionId": "android.permission.ACCESS_COARSE_LOCATION"
  },
  {
    "id": 124,
    "name": "modify your contacts",
    "description": "Allows the app to modify the data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific contacts. This permission allows apps to delete contact data.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.WRITE_CONTACTS"
  },
  {
    "id": 125,
    "name": "write call log",
    "description": "Allows the app to modify your device's call log, including data about incoming and outgoing calls. Malicious apps may use this to erase or modify your call log.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.WRITE_CALL_LOG"
  },
  {
    "id": 126,
    "name": "record audio",
    "description": "Allows the app to record audio with the microphone. This permission allows the app to record audio at any time without your confirmation.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.RECORD_AUDIO"
  },
  {
    "id": 127,
    "name": "read call log",
```

"description": "Allows the app to read your device's call log, including data about incoming and outgoing calls. This permission allows apps to save your call log data, and malicious apps may share call log data without your knowledge.",

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.READ\_CALL\_LOG"

},

{

"id": 128,

"name": "read the contents of your USB storage",

"description": "Allows the app to read the contents of your USB storage.",

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.READ\_EXTERNAL\_STORAGE"

},

{

"id": 129,

"name": "read phone status and identity",

"description": "Allows the app to access the phone features of the device. This permission allows the app to determine the phone number and device IDs, whether a call is active, and the remote number connected by a call.",

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.READ\_PHONE\_STATE"

}

],

"labels": [

{

"id": -10,

"name": "Android"

}

]

},

{

"name": "DEFAULT\_CONFIG",

```
"restrictions": [ ],
"permissions": [
  {
    "id": 118,
    "name": "read your contacts",
    "description": "Allows the app to read data about your contacts stored on your
device, including the frequency with which you've called, emailed, or communicated in
other ways with specific individuals. This permission allows apps to save your contact
data, and malicious apps may share contact data without your knowledge.",
    "value": 0,
    "displayValue": "Deny",
    "permissionId": "android.permission.READ_CONTACTS"
  },
  {
    "id": 119,
    "name": "directly call phone numbers",
    "description": "Allows the app to call phone numbers without your
intervention. This may result in unexpected charges or calls. Note that this doesn't
allow the app to call emergency numbers. Malicious apps may cost you money by making
calls without your confirmation.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.CALL_PHONE"
  },
  {
    "id": 120,
    "name": "find accounts on the device",
    "description": "Allows the app to get the list of accounts known by the
device. This may include any accounts created by applications you have installed.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.GET_ACCOUNTS"
  },
  {
    "id": 121,
    "name": "modify or delete the contents of your USB storage",
```

```
    "description": "Allows the app to write to the USB storage.",
    "value": 0,
    "displayValue": "Accept",
    "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE"
  },
  {
    "id": 122,
    "name": "precise location (GPS and network-based)",
    "description": "Allows the app to get your precise location using the Global Positioning System (GPS) or network location sources such as cell towers and Wi-Fi. These location services must be turned on and available to your device for the app to use them. Apps may use this to determine where you are, and may consume additional battery power.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.ACCESS_FINE_LOCATION"
  },
  {
    "id": 123,
    "name": "approximate location (network-based)",
    "description": "Allows the app to get your approximate location. This location is derived by location services using network location sources such as cell towers and Wi-Fi. These location services must be turned on and available to your device for the app to use them. Apps may use this to determine approximately where you are.",
    "value": 0,
    "displayValue": "Accept",
    "permissionId": "android.permission.ACCESS_COARSE_LOCATION"
  },
  {
    "id": 124,
    "name": "modify your contacts",
    "description": "Allows the app to modify the data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific contacts. This permission allows apps to delete contact data.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.WRITE_CONTACTS"
```

```
    },  
    {  
      "id": 125,  
      "name": "write call log",  
      "description": "Allows the app to modify your device's call log, including  
data about incoming and outgoing calls. Malicious apps may use this to erase or modify  
your call log.",  
      "value": 0,  
      "displayValue": "User Prompt",  
      "permissionId": "android.permission.WRITE_CALL_LOG"  
    },  
    {  
      "id": 126,  
      "name": "record audio",  
      "description": "Allows the app to record audio with the microphone. This  
permission allows the app to record audio at any time without your confirmation.",  
      "value": 0,  
      "displayValue": "User Prompt",  
      "permissionId": "android.permission.RECORD_AUDIO"  
    },  
    {  
      "id": 127,  
      "name": "read call log",  
      "description": "Allows the app to read your device's call log, including data  
about incoming and outgoing calls. This permission allows apps to save your call log  
data, and malicious apps may share call log data without your knowledge.",  
      "value": 0,  
      "displayValue": "User Prompt",  
      "permissionId": "android.permission.READ_CALL_LOG"  
    },  
    {  
      "id": 128,  
      "name": "read the contents of your USB storage",  
      "description": "Allows the app to read the contents of your USB storage.",  
      "value": 0,
```

```
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_EXTERNAL_STORAGE"
    },
    {
        "id": 129,
        "name": "read phone status and identity",
        "description": "Allows the app to access the phone features of the device.
This permission allows the app to determine the phone number and device IDs, whether a
call is active, and the remote number connected by a call.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_PHONE_STATE"
    }
],
"labels": [ ]
}

],
"versionRequired": false,
"codeVersion": "",
"mandatory": false,
"mandatoryOverwrite": true,
"secureApp": false,
"enforceVersion": false,
"vpnNames": null
},
"messages": [
    {
        "type": "Info",
        "messageKey": "com.mobileiron.vsp.messages.appstore.get.app.success",
        "localizedMessage": "App successfully fetched."
    }
]
}
```

## Search Apple iTunes App Store by name/description

This call searches for apps in the iTunes app store using a keyword from the app's name or description.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

GET

### Request URI

api/v2/appstore/itunes

## Request parameters

| Parameter          | Description                                                                                                                                                                    | Sample Value |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                    | 1            |
| query              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Keyword from the app name or description.                                                | mobileiron   |
| countryCode        | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Two character ISO country code.                                                          | US           |
| limit              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200. 0 returns all results. |              |

## Response fields

| Field                              | Description                                                |
|------------------------------------|------------------------------------------------------------|
| messageKey                         | Message key for the localized message bundle.              |
| messageParameters                  | Parameters for the localized message.                      |
| localizedMessageWithParameters     | Localized message with parameters unresolved.              |
| localizedMessage                   | localized message with parameters resolved.                |
| result                             | An array of retrieved objects shown in the following rows. |
| artistId                           |                                                            |
| artistName                         |                                                            |
| artistViewUrl                      |                                                            |
| artworkUrl60                       |                                                            |
| artworkUrl100                      |                                                            |
| artworkUrl512                      |                                                            |
| averageUserRating                  |                                                            |
| averageUserRatingForCurrentVersion |                                                            |
| contentAdvisoryRating              |                                                            |
| currency                           |                                                            |
| description                        |                                                            |
| features                           |                                                            |
| fileSizeBytes                      |                                                            |
| genres                             |                                                            |
| genreIds                           |                                                            |
| ipadScreenshotUrls                 |                                                            |
| isGameCenterEnabled                |                                                            |
| kind                               |                                                            |

| Field                            | Description |
|----------------------------------|-------------|
| languageCodesISO2A               |             |
| price                            |             |
| primaryGenreId                   |             |
| primaryGenreName                 |             |
| releaseNotes                     |             |
| screenshotUrls                   |             |
| sellerName                       |             |
| sellerUrl                        |             |
| supportedDevices                 |             |
| trackCensoredName                |             |
| trackId                          |             |
| trackName                        |             |
| trackViewUrl                     |             |
| releaseDate                      |             |
| trackContentRating               |             |
| userRatingCount                  |             |
| userRatingCountForCurrentVersion |             |
| version                          |             |
| wrapperType                      |             |
| catalogVer                       |             |
| bundleId                         |             |
| free                             |             |
| ipadOnly                         |             |

## Sample request and response

### Request

```
curl -G -k -sS -u <userName>:<password> 'https://[Ivanti EPMM]/api/v2/appstore/itunes' -  
-data-urlencode 'adminDeviceSpaceId=1&query=mobileiron&countryCode=US&limit=1'
```

### Response

```
{  
  "messageKey": "com.mobileiron.vsp.messages.appstore.apple.lookup.app.success",  
  "messageParameters": [  
    1  
  ],  
  "localizedMessageWithParameters": "App lookup returned '{0}' results.",  
  "localizedMessage": "App lookup returned '1' results.",  
  "result": [  
    {  
      "artistId": 320659797,  
      "artistName": "MobileIron",  
      "artistViewUrl": "https://itunes.apple.com/us/artist/mobileiron/id320659797?uo=4",  
      "artworkUrl60": "http://a606.phobos.apple.com/us/r30/Purple4/v4/40/e0/5c/40e05c06-3cc4-4a7a-9510-f350d549c08f/Icon.png",  
      "artworkUrl100": "http://a215.phobos.apple.com/us/r30/Purple3/v4/c0/e8/79/c0e879a6-a223-e8bf-5dcb-56ec70d925b6/mzl.emcoqmwq.png",  
      "artworkUrl1512": "http://a215.phobos.apple.com/us/r30/Purple3/v4/c0/e8/79/c0e879a6-a223-e8bf-5dcb-56ec70d925b6/mzl.emcoqmwq.png",  
      "averageUserRating": 3.5,  
      "averageUserRatingForCurrentVersion": 3,  
      "contentAdvisoryRating": "4+",  
      "currency": "USD",  
      "description": "Ivanti's Mobile@Work™ app seamlessly integrates your iOS device with your company's mobile operations.\n• Automatically configure your device for access to your corporate Wi-Fi and VPN networks.\n• Get access to email, protected attachments, and other corporate resources.\n• View documents stored on SharePoint and other company document repositories and store them locally for offline viewing.\n• Annotate documents and securely email them to your colleagues.\n• Test and profile your network connection speeds and track your results geographically.\n• Authenticate to Ivanti AppConnect secure applications.\n\nNOTE: The Mobile@Work™ iOS app requires use of Ivanti's enterprise Virtual Smartphone Platform. Please consult with your company's Mobile IT organization before downloading this app. The Mobile@Work™ app will not operate without the required Ivanti infrastructure.",
```

```
"features": [  
  "iosUniversal"  
],  
"fileSizeBytes": 17851098,  
"genres": [  
  "Business",  
  "Utilities"  
],  
"genreIds": [  
  "6000",  
  "6002"  
],  
"ipadScreenshotUrls": [  
  "http://a3.mzstatic.com/us/r30/Purple4/v4/3d/8b/11/3d8b11d0-eb5f-f783-8b69-91b3150f2f76/screen480x480.jpeg",  
  "http://a3.mzstatic.com/us/r30/Purple4/v4/73/45/65/73456540-8afa-b718-920b-8f79e00d4d4d/screen480x480.jpeg"  
],  
"isGameCenterEnabled": false,  
"kind": "software",  
"languageCodesISO2A": [  
  "NL",  
  "EN",  
  "FR",  
  "DE",  
  "IT",  
  "JA",  
  "KO",  
  "PL",  
  "PT",  
  "RO",  
  "ZH",  
  "SK",  
  "ES",
```

```
"ZH"

],

"price": 0,

"primaryGenreId": 6000,

"primaryGenreName": "Business",

"releaseNotes": "• Bug fixes.",

"screenshotUrls": [

    "http://a3.mzstatic.com/us/r30/Purple5/v4/54/a5/df/54a5df30-3e7b-09a1-11ca-2d9aef159a1a/screen322x572.jpeg",

    "http://a1.mzstatic.com/us/r30/Purple4/v4/a8/b2/b0/a8b2b01d-1af0-682b-dc7b-0d7a7188357b/screen322x572.jpeg",

    "http://a3.mzstatic.com/us/r30/Purple4/v4/dd/60/64/dd6064fd-eeeb-e7fd-02f2-06ba1875d4cc/screen322x572.jpeg"

],

"sellerName": "MobileIron",

"sellerUrl": "http://www.mobileiron.com",

"supportedDevices": [

    "iPhone4S",

    "iPhone4",

    "iPadFourthGen",

    "iPhone5",

    "iPhone5s",

    "iPhone5c",

    "iPadThirdGen4G",

    "iPhone-3GS",

    "iPadThirdGen",

    "iPad2Wifi",

    "iPadMini4G",

    "iPodTouchFifthGen",

    "iPadMini",

    "iPodTouchourthGen",

    "iPadFourthGen4G",

    "iPad23G"

],
```

---

```
"trackCensoredName": "MobileIron Mobile@Work™ Client",
"trackId": 320659794,
"trackName": "MobileIron Mobile@Work™ Client",
"trackViewUrl": "https://itunes.apple.com/us/app/mobileiron-mobile-work-
client/id320659794?mt=8&uo=4",
"releaseDate": 1248721090000,
"trackContentRating": "4+",
"userRatingCount": 861,
"userRatingCountForCurrentVersion": 13,
"version": "6.1.1",
"wrapperType": "software",
"catalogVer": null,
"bundleId": "com.mobileiron.phoneatwork",
"free": true,
"ipadOnly": false
}
]
}
```

## Import iTunes app by track id

This call searches for an app in the iTunes by the app's track id, and then imports it if it is available.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

api/v2/appstore/itunes

## Request parameters

| Parameter          | Description                                                                                                                                                                                           | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                  | 1            |
| trackId            | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>App's trackId on iTunes.                                                                                                 | 530168168    |
| countryCode        | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> The browser's locale country code.<br>The two character ISO code of the country within which the app should be looked up. | US           |
| languageCode       | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> The browser's locale language code.<br>The ISO code of the language for the description of the app, if available.         | EN           |
| forceUpdate        | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Boolean<br><b>Default:</b> True<br>Whether the existing app with the same bundle ID should be overwritten if it exists.                             | False        |

## Response fields

| Field              | Description                                                |
|--------------------|------------------------------------------------------------|
| messages           | Container for messages information.                        |
| Type               | Indicates the type of the message.                         |
| messageKey         | Message key for the localized message bundle.              |
| localizedMessage   | Localized message with parameters resolved.                |
| results            | An array of retrieved objects shown in the following rows. |
| id                 |                                                            |
| name               |                                                            |
| platformType       |                                                            |
| platformCode       |                                                            |
| version            |                                                            |
| altVersion         |                                                            |
| displayVersion     |                                                            |
| appId              |                                                            |
| creatorType        |                                                            |
| catalogType        |                                                            |
| publicAppStoreType |                                                            |
| publicStoreId      |                                                            |
| developerName      |                                                            |
| description        |                                                            |
| updateNotes        |                                                            |
| cost               |                                                            |
| currency           |                                                            |
| averageRating      |                                                            |

| Field                  | Description |
|------------------------|-------------|
| ratingCount            |             |
| installSize            |             |
| createdAt              |             |
| modifiedAt             |             |
| vpnIds                 |             |
| iconFile               |             |
| installer              |             |
| phoneScreenshots       |             |
| tabletScreenshots      |             |
| categories             |             |
| featuredApp            |             |
| hiddenInAppstore       |             |
| perAppVpnByLabelOnly   |             |
| dataProtectionRequired |             |
| overrideURL            |             |
| quarantinable          |             |
| pushedOnRegistration   |             |
| backupPrevented        |             |
| cdnServiceEnabled      |             |
| cdnDisabled            |             |
| apnsCertificate        |             |
| ipadOnly               |             |

| Field               | Description |
|---------------------|-------------|
| noCostApp           |             |
| provisioningProfile |             |
| messagingSupported  |             |

## Sample request and response

### Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://[Ivanti  
EPMM]/api/v2/appstore/itunes?adminDeviceSpaceId=1&trackId=530168168'
```

### Response

```
{  
  "results": {  
    "id": 166,  
    "name": "Hotels.com - Hotel booking and last minute hotel deals",  
    "platformType": "IPhone",  
    "platformCode": "I",  
    "version": null,  
    "altVersion": "",  
    "displayVersion": null,  
    "appId": "com.hotels.HotelsNearMe",  
    "creatorType": "ADMIN",  
    "catalogType": "APP",  
    "publicAppStoreType": "ITUNES",  
    "publicStoreId": "284971959",  
    "developerName": "Hotels.com",
```

"description": "The Hotels.com app is the simple, fast and secure way to book your perfect hotel.\n\nPLAN\n- Instantly access Secret Prices on select hotels. These are lower prices that aren't available to everyone.\n- Easily discover your perfect hotels with our in-depth sort and filter options.\n- Get exclusive deals for hotels in your area tonight by using our \u201cTonight\u2019s Local Deals\u201d feature.\n- Save all your favorite hotels to easily compare between features and prices.\n- Easy-to-use map view to discover all the hotels around you. \n\nBOOK\n- Collect 10 nights with us and get 1 free\* with Hotels.com\u2019 Rewards\n- Choose when to pay. Either when you book or when you stay at the hotel.\n- Securely store your payment details for fast, easier and safe bookings.\n- Save your booking to your Passbook for whenever you need it.\n\nMANAGE\n- Sign in once and the app will keep you logged in. This is the fastest and easiest way to search for hotels, view your bookings and collect nights.\n- Use Facebook to sign in or register. Create one account for all of your devices with just a touch of a button.\n- See your past, current and future hotel bookings, even when you don\u2019t have access to the Internet. \n- Call our customer support from within the app 24/7 for help making or managing bookings.\n\n\*The maximum value of your free night is the average daily rate of your ten nights. Your free night does not include taxes and fees. Account Summary Balance updates after stay has been completed.\n\nContinued use of GPS running in the background can dramatically decrease battery life.",

"updateNotes": "- Optimised for iOS 9!\n- We've made some improvements on our side so you can better enjoy your travels. See you out there!\n\n\*Thanks for your feedback! It's really useful so please keep telling us what you think by reviewing our app and rating us 5 stars.\*",

"cost": 0,

"currency": "USD",

"averageRating": 3,

"ratingCount": 35968,

"installSize": 57040450,

"createdAt": 1446246837000,

"modifiedAt": 1446246840000,

"vpnIds": [

],

"iconFile": null,

"installer": null,

"phoneScreenshots": [

],

"tabletScreenshots": [

],

"categories": [

```
    },
    "featuredApp": false,
    "hiddenInAppstore": false,
    "perAppVpnByLabelOnly": false,
    "dataProtectionRequired": false,
    "overrideURL": null,
    "quarantinable": false,
    "pushedOnRegistration": false,
    "backupPrevented": false,
    "cdnServiceEnabled": false,
    "cdnDisabled": false,
    "apnsCertificate": null,
    "ipadOnly": false,
    "noCostApp": true,
    "provisioningProfile": null,
    "messagingSupported": false
  },
  "messages": [
    {
      "type": "Info",
      "messageKey": "com.mobileiron.vsp.messages.appstore.import.app.success",
      "localizedMessage": "App successfully imported."
    }
  ]
}
```

## Import a Google Play app

This call imports a Google Play app by bundleID, allowing you to configure the following app settings:

- Silent install
- Block uninstall
- Android for Work
- Auto update app

- Block widget
- Quarantine app when device is quarantined

## Prerequisite

To use this API, Android Enterprise must be enabled on Ivanti EPMM. See “Setting up Ivanti EPMM for Android Enterprise” in the [Ivanti EPMM Device Management Guide for Android and Android Enterprise Devices](#).

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

api/v2/appstore/googleplay/quickimport

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                    | Sample Value           |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                           | 1                      |
| bundleId           | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>The bundleID of the Google Play app to import. You can use the call, " <a href="#">App Store Management</a> " on <a href="#">page 105</a> to find the bundleID. | com.spotify.music      |
| androidWork        | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Specifies whether to manage the app with Android for Work.<br>Valid values: <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul>      | "androidWork": "true", |

| Parameter                | Description                                                                                                                                                                                                                                                     | Sample Value                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| autoUpdate               | <p><b>Required</b></p> <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to allow auto update of the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul>    | "autoUpdate": "true",                |
| androidWorkSilentInstall | <p><b>Required</b></p> <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to allow silent install of the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul> | "androidWorkSilentInstall": "false", |

| Parameter                 | Description                                                                                                                                                                                                                                                          | Sample Value                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| blockWidget               | <p><b>Required</b></p> <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to block installing the app as a widget.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul> | "blockWidget":"true",               |
| androidWorkBlockUninstall | <p><b>Required</b></p> <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to block uninstall of the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul>           | "androidWorkBlockUninstall":"true", |

| Parameter                             | Description                                                                                                                                                                                                                                                                       | Sample Value                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| androidWorkQuarantineApp              | <p><b>Required</b></p> <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to quarantine the app when the device is quarantined.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul> | "androidWorkQuarantineApp":"false"               |
| androidWorkManagedDeviceSilentInstall | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether this will be a Android managed device silent install.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul>                        | "androidWorkManagedDeviceSilentInstall":"false", |

| Parameter           | Description                                                                                                                                                                                                                            | Sample Value                           |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| autoInstallMode     | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Specifies the type of install.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• forceAutoInstall</li><li>• autoInstallOnce</li></ul> | "autoInstallMode": "forceAutoInstall", |
| autoInstallPriority | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Specifies the priority of the install</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• high</li><li>• medium</li><li>• low</li></ul> | "autoInstallPriority": "medium",       |

| Parameter               | Description                                                                                                                                                                                                                                                                | Sample Value                                         |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| networkTypeConstraint   | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Specifies on which types of network the device is using to install the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>anyNetwork</li><li>unmeteredNetwork</li></ul> | "networkTypeConstraint":<br>"anyNetwork",            |
| chargingStateConstraint | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Specifies whether the device must be charged to install the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>chargingNotRequired</li><li>chargingRequired</li></ul>   | "chargingStateConstraint":<br>"chargingNotRequired", |

| Parameter                 | Description                                                                                                                                                                                                                                                                                 | Sample Value                                            |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| deviceIdleStateConstraint | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Specifies whether the device must be idle to allow installation of the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• deviceIdleNotRequired</li><li>• deviceIdleRequired</li></ul> | "deviceIdleStateConstraint":<br>"deviceIdleNotRequired" |

## Response fields

| Field            | Description                                                            |
|------------------|------------------------------------------------------------------------|
| results          |                                                                        |
| AppId            | The ID of the app in the app catalog.                                  |
| messages         |                                                                        |
| type             | Type is Info for a successful call and Error for an unsuccessful call. |
| messageKey       |                                                                        |
| localizedMessage |                                                                        |

## Example request

```
curl -X POST \  
  'https://[Ivanti  
EPMM]/api/v2/appstore/googleplay/quickimport?bundleId=com.facebook.orca&adminDeviceSpace  
Id=1' \  

```

```
-H 'Authorization: Basic <token>' \  
-H 'Content-Type: application/json' \  
-d '{  
  "androidWork": "true",  
  "autoUpdate": "true",  
  "androidWorkSilentInstall": "false",  
  "blockWidget": "true",  
  "androidWorkBlockUninstall": "true",  
  "androidWorkQuarantineApp": "false",  
  "androidWorkManagedDeviceSilentInstall": "false",  
  "autoInstallMode": "forceAutoInstall",  
  "autoInstallPriority": "medium",  
  "networkTypeConstraint": "anyNetwork",  
  "chargingStateConstraint": "chargingNotRequired",  
  "deviceIdleStateConstraint": "deviceIdleNotRequired"  
}'
```

## Example responses

### Success

```
{  
  "results": {  
    "AppId": 125  
  },  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.import.app.success",  
      "localizedMessage": "App successfully imported."  
    }  
  ]  
}
```

### App already exists

```
{  
  "messages": [  
    {  

```

```
    "type": "Error",
    "messageKey": "com.mobileiron.vsp.messages.appstore.app.already.exists",
    "localizedMessage": "An app with ID 'com.facebook.orca' already exists.",
    "messageParameters": [
      "com.facebook.orca"
    ]
  }
]
```

### App not found

```
{
  "messages": [
    {
      "type": "Error",
      "messageKey": "com.mobileiron.vsp.messages.appstore.apps.app.not.found",
      "localizedMessage": "No app found with id 'com.facebook.dorca'",
      "messageParameters": [
        "com.facebook.dorca"
      ]
    }
  ]
}
```

## Search for a Windows app

This call searches for a Windows app.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                          |
|------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Role Description:</b> Manage app |

## HTTP method

GET

## Request URI

/api/v2/appstore/windowsStore

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                       | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                              | 1            |
| searchText         | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Keyword from the app name or description.                                                                                                          | Apps%40Work  |
| storeType          | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>They type of Windows store to search. Valid values are: <ul style="list-style-type: none"><li>• WIN_PHONE</li><li>• WIN8</li><li>• WIN10</li></ul> | WIN8         |

| Parameter    | Description                                                                                                                                                                                                      | Sample Value |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| languageCode | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> The browser's locale language code.</p> <p>The ISO code of the language for the description of the app, if available.</p> | en-us        |
| limit        | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200. 0 returns all results.</p>                    |              |

## Response fields

| Field             | Description                                        |
|-------------------|----------------------------------------------------|
| results           | Results container for array of fields shown below. |
| title             |                                                    |
| appId             |                                                    |
| version           |                                                    |
| imageIds          |                                                    |
| publisher         |                                                    |
| category          |                                                    |
| releaseDate       |                                                    |
| inAppCatalog      |                                                    |
| imageIconUrl      |                                                    |
| browserLink       |                                                    |
| bgColor           |                                                    |
| identifier        |                                                    |
| messages          |                                                    |
| type              |                                                    |
| messageKey        |                                                    |
| localizedMessage  |                                                    |
| messageParameters |                                                    |
| resultCount       | How many apps were returned.                       |

## Sample request and response

### Request

```
curl -G -k -sS -u <userName>:<password> 'https://[Ivanti  
EPMM]/api/v2/appstore/windowsStore?searchText=Apps%40Work&languageCode=en-  
us&limit=50&storeType=WIN8&adminDeviceSpaceId=1'
```

### Response

```
{  
  "results": [  
    {  
      "title": "Apps@Work",  
      "appId": "24e948cc-dd86-44b1-9c5a-5793231b54b7",  
      "version": "N/A",  
      "imageIds": [ ],  
      "publisher": null,  
      "category": null,  
      "releaseDate": null,  
      "inAppCatalog": false,  
      "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/6bd36ad9-5b2c-4c52-  
abae-32df0c58e9b2/AppTile.2.254408.1.png",  
      "browserLink": "http://apps.microsoft.com/windows/en-us/app/apps@work/24e948cc-  
dd86-44b1-9c5a-5793231b54b7",  
      "bgColor": "#464646",  
      "identifier": "MobileIronInc.MobileWork_46hhcags7zat8"  
    },  
    {  
      "title": "Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections",  
      "appId": "ccf8eda8-f26a-4663-a877-68d8a8e8e247",  
      "version": "N/A",  
      "imageIds": [ ],  
      "publisher": null,  
      "category": null,  
      "releaseDate": null,  
      "inAppCatalog": false,  
    }  
  ]  
}
```

```
"imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/4206466b-44f9-4d68-89b6-aad4ffc430fd/AppTile.2.355596.1.png",
"browserLink": "http://apps.microsoft.com/windows/en-us/app/canvas-business-forms,-apps,-work-orders,-dispatch---inspections/ccf8eda8-f26a-4663-a877-68d8a8e8e247",
"bgColor": "#464646",
"identifier": "57E60260.CanvasBusinessAppsForms_81m5mmnk14ej2"
},
{
  "title": "Formotus Pro",
  "appId": "5b493605-bea0-4626-bela-b18c97eff101",
  "version": "N/A",
  "imageIds": [ ],
  "publisher": null,
  "category": null,
  "releaseDate": null,
  "inAppCatalog": false,
  "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/3644598f-5bb2-4564-8463-07a9elf2ff5d/AppTile.2.307028.1.png",
  "browserLink": "http://apps.microsoft.com/windows/en-us/app/formotus-pro/5b493605-bea0-4626-bela-b18c97eff101",
  "bgColor": "#FFFFFF",
  "identifier": "C9C6FD0D.Formotus_738n75bts231w"
}
],
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.search.app.success",
    "localizedMessage": "App search returned '3' results.",
    "messageParameters": [
      3
    ]
  }
],
"resultCount": 3
```

```
}
```

## Import a public Windows app

This call imports a public Windows app.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

POST

### Request URI

/api/v2/appstore/windowsStore/{appId}

## Request parameters

| Parameter          | Description                                                                                                                                                | Sample Value                         |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                       | 1                                    |
| appId              | <b>Required</b><br><b>Parameter Type:</b> Path and Request body<br><b>Data Type:</b> String<br>You repeat this value in the request path and request body. | ccf8eda8-f26a-4663-a877-68d8a8e8e247 |
| version            | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Send N/A if no app version.                                          | N/A                                  |

| Parameter | Description                                                                                                                                                                                                                       | Sample Value                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| title     | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>app description.                                                                                                                                               | Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections |
| storeType | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>They type of Windows store to search. Valid values are: <ul style="list-style-type: none"><li>• WIN_PHONE</li><li>• WIN8</li><li>• WIN10</li></ul> | WIN8                                                             |

## Response fields

| Field              | Description                             |
|--------------------|-----------------------------------------|
| results            | Container for the results fields below. |
| id                 |                                         |
| name               |                                         |
| platformType       |                                         |
| platformCode       |                                         |
| version            |                                         |
| altVersion         |                                         |
| displayVersion     |                                         |
| appId              |                                         |
| creatorType        |                                         |
| catalogType        |                                         |
| publicAppStoreType |                                         |
| publicStoreId      |                                         |
| developerName      |                                         |
| description        |                                         |
| updateNotes        |                                         |
| cost               |                                         |
| currency           |                                         |
| averageRating      |                                         |
| ratingCount        |                                         |
| installSize        |                                         |
| createdAt          |                                         |
| modifiedAt         |                                         |

| Field                  | Description                         |
|------------------------|-------------------------------------|
| vpnIds                 |                                     |
| iconFile               |                                     |
| fileName               |                                     |
| uuid                   |                                     |
| url                    |                                     |
| installer              |                                     |
| phoneScreenshots       |                                     |
| tabletScreenshots      |                                     |
| categories             |                                     |
| featuredApp            |                                     |
| hiddenInAppstore       |                                     |
| perAppVpnByLabelOnly   |                                     |
| dataProtectionRequired |                                     |
| overrideURL            |                                     |
| quarantinable          |                                     |
| pushedOnRegistration   |                                     |
| backupPrevented        |                                     |
| cdnServiceEnabled      |                                     |
| cdnDisabled            |                                     |
| silentUpgradeInstall   |                                     |
| aetAppSettingId        |                                     |
| desktopApp             |                                     |
| messages               | Container for messages information. |

| Field             | Description                                   |
|-------------------|-----------------------------------------------|
| type              | Indicates the type of the message.            |
| messageKey        | Message key for the localized message bundle. |
| localizedMessage  | Localized message with parameters resolved.   |
| messageParameters | Parameters for the localized message.         |

## Sample request and response

### Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://[Ivanti  
EPM] /api/v2/appstore/windowsStore/ccf8eda8-f26a-4663-a877-  
68d8a8e8e247?adminDeviceSpaceId=1' --data 'appId=ccf8eda8-f26a-4663-a877-  
68d8a8e8e247&version=N%2FA&title=Canvas%20Business%20Forms%2C%20Apps%2C%20Work%20Orders%  
2C%20  
Dispatch%20%26%20Inspections&storeType=WIN8'
```

### Response

```
{  
  "results": {  
    "id": 121,  
    "name": "Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections",  
    "platformType": "Windows",  
    "platformCode": "E",  
    "version": "N/A",  
    "altVersion": "",  
    "displayVersion": "N/A",  
    "appId": "57E60260.CanvasBusinessAppsForms_81m5mmnk14ej2",  
    "creatorType": "ADMIN",  
    "catalogType": "APP",  
    "publicAppStoreType": "WIN8",  
    "publicStoreId": "ccf8eda8-f26a-4663-a877-68d8a8e8e247",  
    "developerName": "Canvas Solutions, Inc.",  
    "description": "Canvas replaces expensive and inefficient paper business forms with  
mobile apps for your smartphones and tablets. Canvas is easy to use - no programming  
skills required."
```

Canvas lets you...

- Replace paper forms with mobile apps in minutes
- Create mobile inspections, work orders, invoices, expense reports, checklists, etc.
- Collect information using your mobile device
- Share data securely in the cloud with customers and colleagues
- Choose from over 14,000 \"starter\" apps (customizable, pre-built forms)

Download the Canvas app and sign up for a free 30-day trial. No credit card required.

\*\*\*\*\*

Special Promotion: Canvas will convert your first paper form into a mobile app for FREE!

\*\*\*\*\*

About Canvas:

Canvas is a cloud-based software service that allows businesses to replace expensive and inefficient paper forms with powerful apps on their smartphones and tablets. Canvas enables users to collect information using mobile devices, share that information and easily integrate with existing backend systems. Canvas also offers the first business-only application store of its kind, with 14,000+ pre-built, fully customizable apps that work on all mobile platforms and serve 30+ vertical markets.

Every Canvas app is customizable by the end user and can incorporate functionality such as GPS, image capture, calculations, dispatch, electronic signatures, and access to business data such as parts catalogs, price lists and customer records.

Canvas has automated millions of manual processes and replaced over 30 tons of paper for businesses, making it one of the fastest growing mobile app services in the world.",

"updateNotes": "- Fixed issue with username and trailing spaces  
- Fixed issue with not allow some images to be selected",

"cost": 0,

"currency": "USD",

"averageRating": 4,

"ratingCount": 6,

"installSize": 1524000,

"createdAt": 1456715333000,

"modifiedAt": 1456715334000,

"vpnIds": [ ],

"iconFile": {

```
    "fileName": "logo.png",
    "uuid": "e2ee1174-e7a5-4455-a437-6a1ff32b6f4b",
    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=e2ee11
74-e7a5-4455-a437-6a1ff32b6f4b&ext=PNG"
  },
  "installer": null,
  "phoneScreenshots": [ ],
  "tabletScreenshots": [ ],
  "categories": [ ],
  "featuredApp": false,
  "hiddenInAppstore": false,
  "perAppVpnByLabelOnly": false,
  "dataProtectionRequired": false,
  "overrideURL": null,
  "quarantinable": false,
  "pushedOnRegistration": false,
  "backupPrevented": false,
  "cdnServiceEnabled": false,
  "cdnDisabled": false,
  "silentUpgradeInstall": false,
  "aetAppSettingId": null,
  "desktopApp": false
},
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.import.app.success",
    "localizedMessage": "App successfully imported.",
    "messageParameters": [ ]
  }
]
}
```

## Upload an in house app

Using MultipartFile, this call uploads an in-house app. You need to have an iOS, Android, or Windows installer file ready to go when you make this call. Response will contain the AppCatalogDataResponse, which will be different depending on the OS of the app that was uploaded.

### Required Role

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

POST

### Request URI

/api/v2/appstore/inhouse

## Request parameters

| Parameter          | Description                                                                                                                                                                | Sample Value           |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                                                         | 1                      |
| installer          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Multipart form<br>This is an iOS, Android, or Windows app installer file ready for deployment. | OnHoliday-resigned.ipa |

## Response fields - iOS

| Field               | Description                                                |
|---------------------|------------------------------------------------------------|
| messages            | Container for messages information.                        |
| Type                | Indicates the type of the message.                         |
| messageKey          | Message key for the localized message bundle.              |
| localizedMessage    | Localized message with parameters resolved.                |
| result              | An array of retrieved objects shown in the following rows. |
| MESSAGING_SUPPORTED |                                                            |
| appid               |                                                            |
| applogoname         |                                                            |
| appname             |                                                            |
| apptype             |                                                            |
| appversion          |                                                            |
| appversionalternate |                                                            |
| appversiondisplay   |                                                            |
| bundle              |                                                            |
| description         |                                                            |
| developername       |                                                            |
| profile             |                                                            |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XPOST -F 'installer=@OnHoliday-resigned.ipa' 'https://[Ivanti EPMM]/api/v2/appstore/inhouse?adminDeviceSpaceId=1'
```

## Response

```
{
  "results":
  {
    "MESSAGING_SUPPORTED": false,
    "appid": "115",
    "applogoname": "Icon@2x.png",
    "appname": "OnHoliday",
    "apptype": "APP_INHOUSE",
    "appversion": "1.0.3",
    "appversionalternate": "",
    "appversiondisplay": "1.0.3",
    "bundle": "OnHoliday",
    "description": "",
    "developername": "",
    "profile": "Team Wildcard Distribution dlcab336-9172-4959-8d47-0667bd929f8d"
  },
  "messages" : [
    {
      "type":"Info",
      "messageKey":"com.mobileiron.vsp.messages.appstore.import.app.success",
      "localizedMessage":"App successfully imported."
    }
  ]
}
```

## Clone an app

This call clones an app which is available in its parent/child spaces into the present/active/logged-in space, if the app is not available in present/active/logged-in space.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/apps/clone/{id}

## Request parameters

| Parameter                  | Description                                                                                                                              | Sample Value |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| id                         | <b>Required</b><br><b>Parameter Type:</b> Request path<br><b>Data Type:</b> string<br>ID of the app in the app catalog.                  | 146          |
| targetSpaceId              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Space ID to which to clone the app.                | 1            |
| sourceSpaceId              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Space ID from which to clone the app.              | 21           |
| nativeAppStoreCert         | Required for messaging apps<br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Native app store certificate.          |              |
| nativeAppStoreCertPassword | Required for messaging apps<br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Native app store certificate password. |              |

## Sample request and response

### Request

```
curl -X POST -F "sourceSpaceId=21" "https://[Ivanti  
EPMM]/api/v2/appstore/apps/clone/146?targetSpaceId=1"
```

### Response

The response is a return of cloned app details. It is a lengthy response. The important portion is:

```
"spaces": [  
  {  
    "id": 1,  
    "name": "Global",  
    "parentId": 0,  
    "path": "/1/"  
  },  
  {  
    "id": 21,  
    "name": "sp71",  
    "parentId": 1,  
    "path": "/1/21/"  
  }  
]
```

You can use this portion to check that the call successfully cloned the app to the target directory.

Here is a fuller response, with some of the descriptive text removed for brevity:

```
{  
  "results": {  
    "id": 146,  
    "name": "ESPNcricinfo Cricket",  
    "platformType": "IPhone",  
    "platformCode": "I",  
    "version": null,  
    "altVersion": "",  
    "displayVersion": null,  
    "appId": "com.espn.cricinfo",  
    "creatorType": "ADMIN",  
  }  
}
```

```
"catalogType": "APP",
"publicAppStoreType": "ITUNES",
"publicStoreId": "417408017",
"developerName": "ESPN",
"description": "The official ESPNcricinfo cricket app is the only app that you
would...",
"updateNotes": "- Bug fixes",
"cost": 0,
"currency": "USD",
"averageRating": 3.5,
"ratingCount": 3012,
"installSize": 22666240,
"createdAt": 1484817764000,
"modifiedAt": 1487314913000,
"vpnIds": [ ],
"iconFile": {
  "fileName": "logo.png",
  "uuid": "875532ba-4f30-4d27-8802-1bfd7f828330",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=875532
ba-4f30-4d27-8802-1bfd7f828330&ext=PNG"
},
"installer": null,
"phoneScreenshots": [
{
  "fileName": "screen-shot-0.png",
  "uuid": "bc3bd137-18d7-46ed-93f9-55f7a26550c2",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=bc3bd1
37-18d7-46ed-93f9-55f7a26550c2&ext=PNG"
},
{
  "fileName": "screen-shot-1.png",
  "uuid": "4ad4bd0f-3d98-45e5-afea-4c90de931c67",
```

```
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=4ad4bd
0f-3d98-45e5-afea-4c90de931c67&ext=PNG"
    },
    {
      "fileName": "screen-shot-2.png",
      "uuid": "f8075512-a9c0-4790-8af0-31b24d11b90d",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=f80755
12-a9c0-4790-8af0-31b24d11b90d&ext=PNG"
    },
    {
      "fileName": "screen-shot-3.png",
      "uuid": "01deaa2b-99d8-41fd-887d-0cfb041efff2",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=01deaa
2b-99d8-41fd-887d-0cfb041efff2&ext=PNG"
    },
    {
      "fileName": "screen-shot-4.png",
      "uuid": "258f2f44-6239-4a94-b8eb-6960eca2528f",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=258f2f
44-6239-4a94-b8eb-6960eca2528f&ext=PNG"
    }
  ],
  "tabletScreenshots": [ ],
  "categories": [ ],
  "featuredApp": false,
  "featuredBanner": false,
  "bannerDescription": null,
  "bannerStyle": null,
  "hiddenInAppstore": false,
  "perAppVpnByLabelOnly": false,
  "dataProtectionRequired": false,
  "overrideURL": null,
  "quarantinable": false,
```

```
"pushedOnRegistration": false,
"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  },
  {
    "id": 21,
    "name": "sp71",
    "parentId": 1,
    "path": "/1/21/"
  }
],
"newApp": false,
"minimumOsVersion": "1080000",
"apnsCertificate": null,
"ipadOnly": false,
"noCostApp": true,
"provisioningProfile": null,
"messagingSupported": false,
"allowUpdateFromUnmanagedToManaged": false,
"profileExpirationDate": null,
"removeAppWhenMDMDisabled": true,
"pushedOnQuarantine": false,
"codeVersion": "",
"autoUpdateEnabled": false,
```

```
"appStoreDetailUrl": "https://sail01-vm.hyd.mobileiron.com/mifs/asfv3x/appstore?appid=146",
  "oneTouchAppConfigs": [ ]
},
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.update.app.success",
    "localizedMessage": "App successfully updated."
  }
]
}
```

## Add a web application

This call adds a web application

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

POST

### Request URI

/api/v2/appstore/webapp

---

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1                                   |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Name of the web application.   | Online Meet Entry                   |
| webAppUrl          | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>URL of the web application.                       | http://ome.swimconnection.com/meets |

## Response fields

| Field                  | Description                                                |
|------------------------|------------------------------------------------------------|
| messages               | Container for messages information.                        |
| Type                   | Indicates the type of the message.                         |
| messageKey             | Message key for the localized message bundle.              |
| localizedMessage       | Localized message with parameters resolved.                |
| results                | An array of retrieved objects shown in the following rows. |
| messagingSupported     |                                                            |
| provisioningProfile    |                                                            |
| unmanagedUpdateAllowed |                                                            |
| hiddenInAppstore       |                                                            |
| noCostApp              |                                                            |
| ipadOnly               |                                                            |
| apnsCertificate        |                                                            |
| cdnDisabled            |                                                            |
| cdnServiceEnabled      |                                                            |
| backupPrevented        |                                                            |
| removedWhenMdmDisabled |                                                            |
| pushedOnRegistration   |                                                            |
| quarantinable          |                                                            |
| overrideURL            |                                                            |
| dataProtectionRequired |                                                            |
| perAppVpnByLabelOnly   |                                                            |
| featuredApp            |                                                            |
| categories             |                                                            |

| Field             | Description |
|-------------------|-------------|
| description       |             |
| name              |             |
| id                |             |
| description       |             |
| name              |             |
| id                |             |
| tabletScreenshots |             |
| url               |             |
| uuid              |             |
| fileName          |             |
| phoneScreenshots  |             |
| url               |             |
| uuid              |             |
| fileName          |             |
| installer         |             |
| iconFile          |             |
| url               |             |
| uuid              |             |
| fileName          |             |
| vpnIds            |             |
| modifiedAt        |             |
| createdAt         |             |
| installSize       |             |

| Field              | Description |
|--------------------|-------------|
| ratingCount        |             |
| averageRating      |             |
| currency           |             |
| cost               |             |
| updateNotes        |             |
| description        |             |
| developerName      |             |
| publicStoreId      |             |
| publicAppStoreType |             |
| catalogType        |             |
| creatorType        |             |
| appId              |             |
| displayVersion     |             |
| altVersion         |             |
| version            |             |
| platformType       |             |
| name               |             |
| id                 |             |

## Sample request and response

### Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://[Ivanti  
EPMM]/api/v2/appstore/webapp?adminDeviceSpaceId=1' --data  
'name=Online%20Meet%20Entries&webAppUrl=http%3A%2F%2Fome.swimconnection.com%2Fmeets'
```

### Response

```
{
```

```
"results": {
  "id": 119,
  "name": "Online Meet Entries",
  "platformType": "WebApp",
  "platformCode": "Q",
  "version": null,
  "altVersion": "",
  "displayVersion": null,
  "appId": "Web Application: (119)",
  "creatorType": "ADMIN",
  "catalogType": "APP",
  "publicAppStoreType": null,
  "publicStoreId": null,
  "developerName": "",
  "description": "",
  "updateNotes": "",
  "cost": null,
  "currency": null,
  "averageRating": null,
  "ratingCount": null,
  "installSize": null,
  "createdAt": 1456696707000,
  "modifiedAt": 1456696709000,
  "vpnIds": [ ],
  "iconFile": {
    "fileName": "webapp_default.png",
    "uuid": "f31b507d8e094ddeac2cbd84dc144b82",
    "url": "https://[Ivanti
EPMM]/mifs/image/app.html?command=getAppResource&action=getAppResource&uuid=f31b507d8e09
4ddeac2cbd84dc144b82&ext=PNG"
  },
  "installer": null,
  "phoneScreenshots": [ ],
  "tabletScreenshots": [ ],
```

---

```
"categories": [ ],
"featuredApp": false,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": null,
"quarantinable": false,
"pushedOnRegistration": false,
"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
"webAppUrl": "http://ome.swimconnection.com/meets"
},
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.import.app.success",
    "localizedMessage": "App successfully imported."
  }
]
}
```

## Update app data

This call updates an app's data. Available fields to update vary by platform type and these fields are described below.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                          |
|------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/apps/{id}

## Request parameters

| Parameter          | Description                                                                                                                                                            | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                                                     | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Long<br>The app's ID. You can find it by issuing the GET /api/v2/appstore/apps call without an ID. | 2            |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sample Value            |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| appData   | <p><b>Required</b></p> <p><b>Parameter Type:</b> Request</p> <p><b>Data Type:</b> Json string</p> <p>An url-encoded JSON string representation of the app fields to modify.</p> <p>JSON example, URL decoded:</p> <pre>{<br/>  "name": "MobileIron QA",<br/>  "description": "",<br/>  "featuredApp": true,<br/>  "perAppVpnByLabelOnly": false,<br/>  "pushedOnRegistration": true,<br/>  "enforceVersion": true,<br/>  "overrideURL": "",<br/>  "cdnDisabled": true,<br/>  "vpnIds": [ ],<br/>  "categories": [ ],<br/>  "deletedResources": [ ],<br/>  "versionRequired": null,<br/>  "minimumOsVersion": "21",<br/>  "androidWork": false,<br/>  "autoUpdate": null,<br/>  "androidWorkSilentInstall": null,<br/>  "blockWidget": false,<br/>  "androidWorkBlockUninstall":<br/>false,<br/>  "enableMobileIronAccess": false,<br/>  "androidWorkQuarantineApp": true,</pre> | See Description column. |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sample Value                 |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|           | <pre> "androidWorkThirdPartyAppRuntimePer missions": false,  "androidWorkHideThirdPartyApps": false,  "androidWorkManagedCertificates": false,  "accessProfileId": 0,  "featuredBanner": false,  "androidWorkManagedDeviceSilentInst all": false,  "androidWorkSelfHostedApkLicense": "",  "displayMessage": false,  "enterpriseConfigs": [ ] } </pre> <hr/> <p> To update Android For Work app data, a valid license value for androidWorkSelfHostedApkLicense is mandatory. You can find the license value using <a href="#">GET /api/v2/appstore/apps/{id}</a>.</p> <hr/> <p>Available fields vary by platform type. See <a href="#">"Common appData request fields"</a> on the next page, <a href="#">"iOS appData request fields"</a> on page 215, and <a href="#">"Android appData request fields"</a> on page 216 below.</p> |                              |
| icon      | <p><b>Parameter Type:</b> Request</p> <p><b>Data Type:</b> Array of MultipartFile</p> <p>Icon file to replace any existing icon.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | icon=@/Users/ssmith/icon.png |

| Parameter        | Description                                                                                                                                           | Sample Value                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| phoneScreenshot  | <b>Parameter Type:</b> Request<br><b>Data Type:</b> Array of MultipartFile<br><br>An array of phone screenshot files to add to existing screenshots.  | phoneScreenshot=@/Users/ssmith/ss1.png   |
| tabletScreenshot | <b>Parameter Type:</b> Request<br><b>Data Type:</b> Array of MultipartFile<br><br>An array of tablet screenshot files to add to existing screenshots. | tabletScreenshot=@/Users/ssmith/tss1.png |

### Common appData request fields

| Field                  | Description                                                                                                                      | Sample Value |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| platformType           | <b>Required</b><br><b>Data Type:</b> String<br>The platform type on which the app runs.                                          | iphone       |
| name                   | <b>Data Type:</b> String                                                                                                         |              |
| description            | <b>Data Type:</b> String                                                                                                         |              |
| publicStoreId          | <b>Data Type:</b> String                                                                                                         |              |
| featuredApp            | <b>Data Type:</b> Boolean                                                                                                        |              |
| perAppVpnByLabelOnly   | <b>Data Type:</b> Boolean                                                                                                        |              |
| quarantinable          | <b>Data Type:</b> Boolean                                                                                                        |              |
| pushedOnRegistration   | <b>Data Type:</b> Boolean                                                                                                        |              |
| backupPrevented        | <b>Data Type:</b> Boolean                                                                                                        |              |
| dataProtectionRequired | <b>Data Type:</b> Boolean                                                                                                        |              |
| overrideURL            | <b>Data Type:</b> String                                                                                                         |              |
| cdnDisabled            | <b>Data Type:</b> Boolean                                                                                                        |              |
| vpnIds                 | <b>Data Type:</b> Integer<br>VPN ID's. Replaces any existing VPN ID's                                                            |              |
| categories             | <b>Field Type:</b> Request body<br><b>Data Type:</b> Integer<br>ID's of categories. Replaces any existing category associations. |              |
| deletedResources       | <b>Data Type:</b> String<br>UUID's of resources to delete.                                                                       |              |

## iOS appData request fields

| Field            | Description                           | Sample Value |
|------------------|---------------------------------------|--------------|
| noCostApp        | Required<br><b>Data Type:</b> Boolean |              |
| hiddenInAppstore | Required<br><b>Data Type:</b> Boolean |              |
| ipadOnly         | <b>Data Type:</b> Boolean             |              |

### Android appData request fields

| Field            | Description                                                                   | Sample Value                                                                                                                                                              |
|------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mandatory        | Required<br><b>Data Type:</b> Boolean                                         |                                                                                                                                                                           |
| versionRequired  | Required<br><b>Data Type:</b> Boolean<br>Use for AppConnect Android apps.     |                                                                                                                                                                           |
| enforceVersion   | Required<br><b>Data Type:</b> Boolean<br>Use for non-AppConnect Android apps. |                                                                                                                                                                           |
| minimumOsVersion | <b>Data Type:</b> String                                                      |                                                                                                                                                                           |
| androidWork      | <b>Data Type:</b> Boolean                                                     |                                                                                                                                                                           |
| silentInstall    | Field Type: Request body<br><b>Data Type:</b> Boolean                         |                                                                                                                                                                           |
| uninstallBlocked | <b>Data Type:</b> Boolean                                                     |                                                                                                                                                                           |
| restrictions     | <b>Data Type:</b> Object<br>Array of Android For Work app restrictions.       | <pre>{   "displayValue": null,   "values": null,   "value": "false",   "type": "BOOL",   "key": "can_read_personal_emails",   "title": "Can Read Personal Emails" }</pre> |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| Type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |
| results          | An array of returned objects.                 |

## Sample request and response

### Request - URL decoded

```
curl -X POST \
  'https://[Ivanti EPMM]/api/v2/appstore/apps/121?adminDeviceSpaceId=1&appData={
    "name":"Cookbook","description":"","featuredApp":true,"perAppVpnByLabelOnly":false,"pushedOnRegistration":true,"enforceVersion":true,"overrideURL":"","cdnDisabled":true,"vpnIds":[],"categories":[],"deletedResources":[],"versionRequired":null,"minimumOsVersion":"21","androidWork":false,"autoUpdate":null,"androidWorkSilentInstall":null,"blockWidget":false,"androidWorkBlockUninstall":false,"enableMobileIronAccess":false,"androidWorkQuarantineApp":true,"androidWorkThirdPartyAppRuntimePermissions":false,"androidWorkHideThirdPartyApps":false,"androidWorkManagedCertificates":false,"accessProfileId":0,"featuredBanner":false,"androidWorkManagedDeviceSilentInstall":false,"androidWorkSelfHostedApkLicense":"","displayMessage":false,"enterpriseConfigs":[]}' -F "appData=</Users/ssmith/editreq2.json" -F phoneScreenshot=@/Users/ssmith/ss1.png -F phoneScreenshot=@/Users/ssmith/ss2.png -F icon=@/Users/ssmith/icon.png
-H 'Authorization: Basic <token>' \
-H 'Content-Type: application/json' \
```

### Response

```
{
  "results": {
    "id": 121,
    "name": "Cookbook",
    "platformType": "Android",
    "platformCode": "A",
```

```
"version": "10.4.1.0.25R",
"altVersion": "530",
"displayVersion": "10.4.1.0.25R",
"appId": "com.mobileiron.qa",
"creatorType": "ADMIN",
"catalogType": "APP",
"publicAppStoreType": null,
"publicStoreId": null,
"developerName": "",
"description": "",
"updateNotes": "",
"cost": null,
"currency": null,
"averageRating": null,
"ratingCount": null,
"installSize": 73324046,
"createdAt": 1566329105000,
"modifiedAt": 1566411412000,
"vpnIds": [],
"iconFile": {
  "fileName": "icon.png",
  "uuid": "c880eead-109a-4172-958d-dab521d08984",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=c880ee
ad-109a-4172-958d-dab521d08984&ext=PNG"
},
"installer": {
  "fileName": "qa-MIClient-10.4.1.0.apk",
  "uuid": "b21a3d4c-53f0-4034-8538-5e8dc2a82e51"
},
"phoneScreenshots": [],
"tabletScreenshots": [],
"categories": [],
"featuredApp": true,
```

```
"featuredBanner": false,
"bannerDescription": null,
"bannerStyle": null,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": "",
"quarantinable": true,
"pushedOnRegistration": true,
"backupPrevented": true,
"cdnServiceEnabled": false,
"cdnDisabled": true,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  }
],
"newApp": true,
"minimumOsVersion": "21",
"previousAppId": null,
"androidWork": false,
"androidWorkSilentInstall": false,
"androidWorkManagedDeviceSilentInstall": false,
"androidWorkBlockUninstall": false,
"androidWorkQuarantineApp": true,
"androidWorkThirdPartyAppRuntimePermissions": false,
"androidWorkHideThirdPartyApps": false,
"androidWorkManagedCertificates": false,
"enableMobileIronAccess": false,
```

```
"accessProfileId": "0",
"androidWorkGooglePlayDistributionEnabled": true,
"androidWorkSelfHostedApkDefinitionUrl": null,
"androidWorkSelfHostedApkDefinitionStatus": null,
"androidWorkSelfHostedApkLicense": null,
"androidWorkSelfHostedApkStatus": "Status: Not available for download",
"blockWidget": false,
"autoUpdate": false,
"permissionUpdateAvailable": false,
"enterpriseConfigs": [],
"versionRequired": false,
"codeVersion": "530",
"mandatory": false,
"mandatoryOverwrite": false,
"secureApp": false,
"enforceVersion": true,
"vpnNames": null
},
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.get.app.success",
    "localizedMessage": "App successfully fetched."
  }
]
}
```

## Upload app screenshot

This call uploads an app screenshot.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/apps/{id}/{type}/screenshots

## Request parameters

| Parameter          | Description                                                                                                                                                                                            | Sample Value |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                   | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>The id of the app whose screenshot to upload.                                                                            | 2            |
| type               | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Type of screenshot to upload. Valid values are: <ul style="list-style-type: none"><li>• phone</li><li>• tablet</li></ul> | phone        |

## Response fields

| Field            | Description                                                |
|------------------|------------------------------------------------------------|
| messages         | Container for messages information.                        |
| Type             | Indicates the type of the message.                         |
| messageKey       | Message key for the localized message bundle.              |
| localizedMessage | Localized message with parameters resolved.                |
| results          | An array of retrieved objects shown in the following rows. |
| url              |                                                            |
| uuid             |                                                            |
| fileName         |                                                            |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XPOST 'https://[Ivanti  
EPMM]/api/v2/appstore/apps/2/tablet/screenshots?adminDeviceSpaceId=1' -F  
screenshot=@/Users/srolls/Downloads/evernote_tablet2.png
```

### Response

```
{  
  "messages": [  
    {  
      "localizedMessage": "\"Screenshot added successfully.\"\"",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.add.screenshot.success",  
      "type": "Info"  
    }  
  ],  
  "results": {  
    "url":  
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=2&uuid=d9a45b4  
5-05d6-4526-b458-92404d6453fd&ext=PNG",  
    "uuid": "d9a45b45-05d6-4526-b458-92404d6453fd",  
  }
```

```
"fileName": "evernote_tablet2.png"
}
```

## Get all app categories

This call gets a list of all app categories.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

GET

### Request URI

/api/v2/appstore/categories

### Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field            | Description                                                |
|------------------|------------------------------------------------------------|
| messages         | Container for messages information.                        |
| Type             | Indicates the type of the message.                         |
| messageKey       | Message key for the localized message bundle.              |
| localizedMessage | Localized message with parameters resolved.                |
| results          | An array of retrieved objects shown in the following rows. |
| description      |                                                            |
| name             |                                                            |
| id               |                                                            |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/appstore/categories?adminDeviceSpaceId=1'
```

### Response

```
{  
  "messages": [  
    {  
      "localizedMessage": "Categories successfully fetched.",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.get.categories.success",  
      "type": "Info"  
    }  
  ],  
  "results": [  
    {  
      "description": "The first category",  
      "name": "Category 1",  
      "id": "1"  
    }  
  ]  
}
```

```
"id": 1
},
{
  "description": "The second category",
  "name": "Category 2",
  "id": 2
}
]
```

## Get information about a specific app category

This call returns information about a specific app category.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

### HTTP method

GET

### Request URI

/api/v2/appstore/categories/{id}

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                    | Sample Value |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                           | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>ID of the app category whose information to retrieve. You can get this value with the <a href="#">"Get all app categories" on page 225</a> call. | 2            |

## Response fields

| Field            | Description                                                |
|------------------|------------------------------------------------------------|
| messages         | Container for messages information.                        |
| Type             | Indicates the type of the message.                         |
| messageKey       | Message key for the localized message bundle.              |
| localizedMessage | Localized message with parameters resolved.                |
| results          | An array of retrieved objects shown in the following rows. |
| description      |                                                            |
| name             |                                                            |
| id               |                                                            |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/appstore/categories/1?adminDeviceSpaceId=1'
```

### Response

```
{  
  "messages": [  
    {  
      "localizedMessage": "Categories successfully fetched.",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.get.categories.success",  
      "type": "Info"  
    }  
  ],  
  "results": {  
    "description": "The first category",  
    "name": "Category 1",  
    "id": 1  
  }  
}
```

## Create an app category

This call creates an app category.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/categories

## Request parameters

| Parameter          | Description                                                                                                                  | Sample Value                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.         | 1                                             |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Name of the category to create.        | Action Game                                   |
| description        | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Description of the category to create. | Action games with multiple player capability. |

## Response fields

| Field            | Description                                                 |
|------------------|-------------------------------------------------------------|
| messages         | Container for messages information.                         |
| Type             | Indicates the type of the message.                          |
| messageKey       | Message key for the localized message bundle.               |
| localizedMessage | Localized message with parameters resolved.                 |
| results          | A number representing how many new categories were created. |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "name": "Category 1", "description": "The first category"
}' -XPOST 'https://[Ivanti EPMM]/api/v2/appstore/categories?adminDeviceSpaceId=1'
```

### Response

```
{
  "messages": [
    {
      "localizedMessage": "Category created successfully.",
      "messageKey": "com.mobileiron.vsp.messages.appstore.create.category.success",
      "type": "Info"
    }
  ],
  "results": 1
}
```

## Edit an app category

This call edits an app category.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/categories/{id}

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1                                             |
| name               | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Updated category name.                            | Memory Game                                   |
| description        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Updated category description.                     | Memory games with multiple player capability. |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| Type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "name": "Category One", "description": "The 1st category"
}' -XPUT 'https://[Ivanti EPMM]/api/v2/appstore/categories/1?adminDeviceSpaceId=1'
```

### Response

```
{
  "messages": [
    {
      "localizedMessage": "Category successfully updated.",
      "messageKey": "com.mobileiron.vsp.messages.appstore.update.category.success",
      "type": "Info"
    }
  ]
}
```

## Delete an app category

This call deletes an app category.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

DELETE

## Request URI

/api/v2/appstore/categories/{id}

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| Type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XDELETE 'https://[Ivanti  
EPMM]/api/v2/appstore/categories/2?adminDeviceSpaceId=1'
```

### Response

```
{  
  "messages": [  
    {  
      "localizedMessage": "Category successfully updated.",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.delete.category.success",  
      "type": "Info"  
    }  
  ]  
}
```

## Get per app list of VPNs

This call gets the list of available per app VPNs.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                          |
|------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Role Description:</b> Manage app |

### HTTP method

GET

## Request URI

/api/v2/appstore/perappvpns

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field            | Description                                                |
|------------------|------------------------------------------------------------|
| messages         | Container for messages information.                        |
| Type             | Indicates the type of the message.                         |
| messageKey       | Message key for the localized message bundle.              |
| localizedMessage | Localized message with parameters resolved.                |
| results          | An array of retrieved objects shown in the following rows. |
| name             |                                                            |
| id               |                                                            |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPM] /api/v2/appstore/perappvpns?adminDeviceSpaceId=1'
```

### Response

```
{
```

```
"messages": [  
  {  
    "localizedMessage": "Per App VPN list successfully fetched.",  
    "messageKey": "com.mobileiron.vsp.messages.appstore.get.perappvpns.success",  
    "type": "Info"  
  }  
],  
"results": [  
  {  
    "name": "VPN 1",  
    "id": 12  
  },  
  {  
    "name": "VPN 2",  
    "id": 13  
  }  
]
```

## Delete an app

This call removes an app.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> App Management     |
| <b>Role Description:</b> Manage app |

## HTTP method

DELETE

## Request URI

/api/v2/appstore/apps/{ids}

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| ids                | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>ID of the app to remove.              | 119          |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| Type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XDELETE 'https://[Ivanti  
EPMM]/api/v2/appstore/apps/119?adminDeviceSpaceId=1'
```

### Response

```
{  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.remove.app.success",  
      "localizedMessage": "App successfully removed."  
    }  
  ]  
}
```

## Send a message to an app

This call sends a new install or update message to an app.

## Sending an installation request to an app

If you are using this call to send an installation request to an app, then you need to send two calls:

1. **Convert the target app to managed:** Include this parameter and setting, **convertToManaged=true**, to convert the app to managed.
2. **Send the installation request to the app:** Include these parameters and settings, **installIncluded=true** and **updateIncluded=true**, to send installation request.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                          |
|------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Role Description:</b> Manage app |

## HTTP method

POST

## Request URI

/api/v2/appstore/apps/{id}/message

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                             | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                        | 1            |
| id                 | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>ID of the app to which to send the message.                                                                                                                                                                                   | 117          |
| installIncluded    | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Boolean<br><br><b>Default:</b> false<br><br>If true, send message for new installs. See <a href="#">"Sending an installation request to an app" on page 239</a> for information about how to use this parameter to send an installation request to an app. | false        |
| updateIncluded     | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Boolean<br><br><b>Default:</b> false<br><br>If true, send message for updates. See <a href="#">"Sending an installation request to an app" on page 239</a> for information about how to use this parameter to send an installation request to an app.      | false        |

| Parameter        | Description                                                                                                                                                                                                                                                                                               | Sample Value                                                                        |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| pushApp          | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br><b>Default:</b> false<br>If true, push the app.                                                                                                                                                                                       | false                                                                               |
| convertToManaged | <b>Parameter Type:</b> Boolean<br><b>Data Type:</b> Number<br><b>Default:</b> false<br>If true, convert un-managed to managed app. See <a href="#">"Sending an installation request to an app" on page 239</a> for information about how to use this parameter to send an installation request to an app. | false                                                                               |
| deviceUuids      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Array of string<br>Default: null<br>If not null, specifies a specific set of devices to receive the message. If null, devices to receive the message will be determined based on labels.                                                         | ["a2b149e8-817d-484b-874c-e2113b8524b8",<br>"a8733819-eea9-4e43-b87e-2824d02f7bcf"] |

## Response fields

| Field             | Description                                                          |
|-------------------|----------------------------------------------------------------------|
| messages          | Container for messages information.                                  |
| messageParameters | Parameters for the localized message.                                |
| localizedMessage  | Localized message with parameters resolved.                          |
| messageKey        | Message key for the localized message bundle.                        |
| type              | Indicates the type of the message.                                   |
| results           | A number representing how devices are queued to receive the message. |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "installIncluded":true, "updateIncluded":true, "pushApp":true,
  "convertToManaged":false, "deviceUuids":["a2b149e8-817d-484b-874c-e2113b8524b8",
  "a8733819-eea9-4e43-b87e-2824d02f7bcf"] }' -XPOST 'https://[Ivanti
EPMM]/api/v2/appstore/apps/117/message?adminDeviceSpaceId=1'
```

### Response

```
{
  "messages": [
    {
      "messageParameters": [],
      "localizedMessage": "\"Send message request queued successfully.\",",
      "messageKey": "com.mobileiron.vsp.messages.appstore.send.message.success",
      "type": "Info"
    }
  ],
  "results": 2
}
```

## Apply Apps To Labels

This call applies apps to labels.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                               |
|-------------------------------------------------------------|
| <b>Category:</b> App Management                             |
| <b>Role Description:</b> Apply and remove application label |

### HTTP method

PUT

### Request URI

/api/v2/appstore/apps/{appId}/labels/{labelId}

## Request parameters

| Parameter          | Description                                                                                                        | Sample Value |
|--------------------|--------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator. | 1            |
| appIds             | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Long<br>IDs of the apps to apply to labels.    | 119          |
| labelIds           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>ID of the labels to which to apply the apps.    | -1           |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XPUT 'https://[Ivanti  
EPMM]/api/v2/appstore/apps/119,121/labels/-1,-11?adminDeviceSpaceId=1'
```

## Response

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey": "com.mobileiron.vsp.messages.appstore.apply.label.success",
      "localizedMessage": "App(s) successfully applied to label(s)."
```

## Apply App to Labels with Track

This call applies an app to labels, with a track. A track can be something like beta, production, or alpha. The trackId parameter description below describes how to find the tracks available to you. You can also use this call to specify whether an app is mandatory.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                               |
|-------------------------------------------------------------|
| <b>Category:</b> App Management                             |
| <b>Role Description:</b> Apply and remove application label |

## HTTP method

PUT

## Request URI

/api/v2/appstore/apps/{id}/labels

## Request parameters

| Parameter          | Description                                                                                                                                           | Sample Value                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                  | 1                                                                                                                                                                                                        |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>IDs of the apps to apply to labels. Separate multiple IDs with a comma. | 105                                                                                                                                                                                                      |
| labels             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Container for request body.                                                        | <pre>{<br/><br/>  "labels": [<br/>    {<br/><br/>      "label":<br/>      "12",<br/><br/>      "trackId":<br/>      "FFFFFFFF",<br/><br/>      "mandatory":<br/>      true<br/>    }<br/>  ]<br/>}</pre> |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                          | Sample Value                                                                                                           |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| label     | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>ID of the labels to which to apply the app.</p>                                                                                                                                                                                                                                                                        | <pre>{   "labels": [     {       "label": "12",       "trackId": "FFFFFFFF",       "mandatory": true     }   ] }</pre> |
| trackId   | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>ID of the Track to which to apply the app.</p> <p>To get the trackId, use GET /mifs/admin/rest/api/v2/afw/tracks/{appId}, for example:</p> <pre>curl -X GET \   'http://[IvantiEPMM]/mifs/admin/rest/api/v2/afw/tracks/mobileiron.appsatwork?adminDeviceSpaceId=1' \   -H 'Authorization: Basic &lt;token&gt;' \</pre> | <pre>{   "label": "12",   "trackId": "FFFFFFFF",   "mandatory": true }</pre>                                           |

| Parameter | Description                                                                                                       | Sample Value                                                                                                                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mandatory | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Boolean<br><br>Specify whether the app is mandatory. | <pre>{<br/><br/>  "labels": [<br/><br/>    {<br/><br/>      "label":<br/>      "12",<br/><br/>      "trackId":<br/>      "FFFFFFF",<br/><br/>      "mandatory":<br/>      true<br/>    }<br/>  ]<br/>}</pre> |

## Response fields

| Field            | Description                                   |
|------------------|-----------------------------------------------|
| messages         | Container for messages information.           |
| type             | Indicates the type of the message.            |
| messageKey       | Message key for the localized message bundle. |
| localizedMessage | Localized message with parameters resolved.   |

## Sample request and response

### Request

```
curl -X PUT \  
  'https://[Ivanti  
EPMM]/mifs/admin/rest/api/v2/appstore/apps/105/labels?adminDeviceSpaceId=1' \  
  -H 'Authorization: Basic <token>' \  

```

```
-H 'Content-Type: application/json' \  
-d '{  
  "labels": [  
    {  
      "label": "12",  
      "trackId": "FFFFFFFF",  
      "mandatory": true  
    },  
    {  
      "label": "5",  
      "trackId": "FFFFFFFF",  
      "mandatory": false  
    },  
    {  
      "label": "4",  
      "trackId": "FFFFFFFF",  
      "mandatory": true  
    },  
    {  
      "label": "10",  
      "trackId": "FFFFFFFF",  
      "mandatory": false  
    }  
  ]  
'
```

## Response

```
{  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey": "com.mobileiron.vsp.messages.appstore.apply.label.success",  
      "localizedMessage": "App(s) successfully applied to label(s)."  
    }  
  ]  
}
```

```
}  
]  
}
```

## Get the Android for Work schema of an app

This retrieves the Android for Work (AFW) schema of an app.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Category:</b> Settings and Services Management<br/><b>Role Description:</b> View settings and services</li><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> View app</li><li>• <b>Category:</b> Configuration Management<br/><b>Role Description:</b> View configuration</li></ul> |

### HTTP method

GET

### Request URI

/api/v2/afw/schema/{package name}

## Request parameters

| Parameter          | Description                                                                                                                                              | Sample Value        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                                       | 1                   |
| package name       | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Package name of the app for which to retrieve the Android for Work schema. | com.dropbox.android |

## Response fields

| Field           | Description                                                                        |
|-----------------|------------------------------------------------------------------------------------|
| results         | JSON container for the results.                                                    |
| restrictions    | JSON container for the restrictions results.                                       |
| key             | String.                                                                            |
| title           | String.                                                                            |
| restrictionType | Type.                                                                              |
| description     | String.                                                                            |
| permissions     | JSON container for permissions results. Array of AndroidWorkAppPermission objects. |
| id              | Long.                                                                              |
| permissionId    | String.                                                                            |
| state           | String.                                                                            |
| name            | String.                                                                            |
| description     | String.                                                                            |

## Sample request and response

### Request

```
curl -X GET 'https://[Ivanti  
EPMM]/mifs/admin/rest/api/v2/afw/schema/com.dropbox.android/?adminDeviceSpaceId=1' -H  
'Authorization: Basic <token>'
```

### Responses

#### Success:

```
{  
  "results": {
```

```
"restrictions": [  
  {  
    "key": "team_emm_token",  
    "title": "Dropbox EMM auth token",  
    "restrictionType": "STRING",  
    "description": "The auth token from the EMM section in the Dropbox Admin Console"  
  }  
,  
  "permissions": [  
    {  
      "id": 118,  
      "permissionId": "android.permission.READ_CONTACTS",  
      "state": "ACCEPTED",  
      "name": "read your contacts",  
      "description": "Allows the app to read data about your contacts stored on your  
device, including the frequency with which you've called, emailed, or communicated in  
other ways with specific individuals. This permission allows apps to save your contact  
data, and malicious apps may share contact data without your knowledge."  
    },  
    {  
      "id": 119,  
      "permissionId": "android.permission.GET_ACCOUNTS",  
      "state": "ACCEPTED",  
      "name": "find accounts on the device",  
      "description": "Allows the app to get the list of accounts known by the device.  
This may include any accounts created by applications you have installed."  
    },  
    {  
      "id": 120,  
      "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE",  
      "state": "ACCEPTED",  
      "name": "modify or delete the contents of your USB storage",  
      "description": "Allows the app to write to the USB storage."  
    },  
    {
```

```
    "id": 124,
    "permissionId": "android.permission.CAMERA",
    "state": "ACCEPTED",
    "name": "take pictures and videos",
    "description": "Allows the app to take pictures and videos with the camera. This
permission allows the app to use the camera at any time without your confirmation."
  },
  {
    "id": 125,
    "permissionId": "android.permission.READ_EXTERNAL_STORAGE",
    "state": "ACCEPTED",
    "name": "read the contents of your USB storage",
    "description": "Allows the app to read the contents of your USB storage."
  }
]
}
```

**Error - product not found:**

```
{
  "messages": [
    {
      "type": "Error",
      "messageKey": "com.mobileiron.vsp.messages.afw.controller.exception",
      "localizedMessage": "Exception: 'No product was found for the given id.' occurred",
      "messageParameters": [
        "No product was found for the given id."
      ]
    }
  ]
}
```

**Error - Unable to connect to Google Play API:**

```
{
  "messages": [
```

```
{
  "type": "Error",
  "messageKey":
"com.mobileiron.vsp.messages.afw.permission.connection.google.play.error",
  "localizedMessage": "Unable to obtain a Google Play API connection"
}
]
}
```

## Download an app definition file

This call downloads an app definition file.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> View app</li><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> Manage app</li></ul> |

### HTTP method

POST

### Request URI

/api/v2/appstore/apps/{id}/definition

## Request parameters

| Parameter          | Description                                                                                                                             | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                      | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Integer<br>ID of the app for which to download the definition file. | 122          |

## Response fields

The response is the download of a definition file in JSON format. The JSON contains the following fields.

| Field                 | Description                                  |
|-----------------------|----------------------------------------------|
| package_name          | String. Package name of the app.             |
| version_name          | String. Version of the app.                  |
| version_code          | Int.                                         |
| minimum_sdk           | Integer.                                     |
| maximum_sdk           | Integer.                                     |
| application_label     | String. Label of the application.            |
| file_sha1_base64      | String.                                      |
| file_sha256_base64    | String.                                      |
| icon_base64           | String.                                      |
| file_size             | Long.                                        |
| certificate_base64    | String.                                      |
| externally_hosted_url | String. URL to the app.                      |
| uses-permission       | String. List of permissions used by the app. |
| uses-feature          | String. List of features used by the app.    |

## Sample request and response

### Request

```
curl -X POST \
  'https://[Ivanti EPMM]/api/v2/appstore/apps/122/definition?adminDeviceSpaceId=1' \
  -H 'Authorization: Basic <token>' \
```

### Response in the form of a downloaded definition file

#### Success:

```
{
  "package_name": "com.mobileiron",
  "version_name": "10.4.1.0.25R",
  "version_code": 530,
```

```
"minimum_sdk": 21,
"application_label": "MobileIron",
"file_sha1_base64": "8dH5GqTz02vMOwbc+wEiCV2lcIQ=",
"file_sha256_base64": "7hmuB1qzHO3o2VzZE8XefNmAjP57OxsxxV6zWZi0t0s=",
"icon_base64": "<icon base 64 code deleted here for brevity>",
"file_size": 73670995,
"certificate_base64": [
  "<certificate base 64 code deleted here for brevity>"
],
"externally_hosted_url": "https://[Ivanti
EPMM]m/mifs/rs/api/v2/appstore/apps/122/download?appId=com.mobileiron&vc=530",
"uses-permission": [
  "android.permission.DOWNLOAD_WITHOUT_NOTIFICATION",
  "android.permission.REQUEST_DELETE_PACKAGES",
  "com.samsung.android.knox.permission.KNOX_BLUETOOTH",
  "android.permission.ACCESS_COARSE_LOCATION",
  "com.mobileiron.anyware.android.libcloud.supportlibclient.SUPPORT_PERMISSION",
  "android.permission.WAKE_LOCK",
  "android.permission.ACCESS_WIFI_STATE",
  "com.samsung.android.knox.permission.KNOX_HW_CONTROL",
  "com.samsung.android.knox.permission.KNOX_APP_MGMT",
  "android.permission.MANAGE_ACCOUNTS",
  "com.google.android.c2dm.permission.RECEIVE",
  "com.samsung.android.knox.permission.KNOX_CERTIFICATE",
  "com.mobileiron.supportlibclient.SUPPORT_PERMISSION",
  "com.symbol.mxmfx.ACCESS_MX_MANAGEMENT_FRAMEWORK_SERVICE",
  "com.sec.enterprise.knox.cloudmdm.smdms.provider.permission.READ",
  "android.permission.REQUEST_INSTALL_PACKAGES",
  "com.motorolasolutions.emdk.mxfamework.ACCESS_MX_MANAGEMENT_FRAMEWORK_SERVICE",
  "com.samsung.android.knox.permission.KNOX_PHONE_RESTRICTION",
  "android.permission.CHANGE_WIFI_STATE",
  "android.permission.INTERNET",
  "com.zimperium.supportlibclient.SUPPORT_PERMISSION",
```

```
"com.samsung.android.knox.permission.KNOX_FIREWALL",  
"android.permission.AID_READPROC",  
"android.permission.GET_TASKS",  
"android.permission.READ_CONTACTS",  
"android.permission.READ_LOGS",  
"android.permission.GET_ACCOUNTS",  
"android.permission.READ_SMS",  
"android.permission.FOREGROUND_SERVICE",  
"android.permission.BLUETOOTH_ADMIN",  
"android.permission.SYSTEM_ALERT_WINDOW",  
"android.permission.RECEIVE_BOOT_COMPLETED",  
"android.permission.NFC",  
"android.permission.WRITE_EXTERNAL_STORAGE",  
"android.permission.ACCESS_FINE_LOCATION",  
"com.android.launcher.permission.UNINSTALL_SHORTCUT",  
"com.samsung.android.knox.permission.KNOX_SECURITY",  
"android.permission.ACCESS_NETWORK_STATE",  
"com.samsung.android.knox.permission.KNOX_WIFI",  
"android.permission.USE_FINGERPRINT",  
"com.android.launcher.permission.INSTALL_SHORTCUT",  
"com.cisco.anyconnect.vpn.android.MODIFY_VPN",  
"com.google.android.providers.gsf.permission.READ_GSERVICES",  
"android.permission.RECEIVE_SMS",  
"com.android.email.permission.ACCESS_PROVIDER",  
"com.mobileiron.tunnel.config.permission",  
"com.samsung.android.knox.permission.KNOX_RESTRICTION_MGMT",  
"android.permission.WRITE_SYNC_SETTINGS",  
"android.permission.KILL_BACKGROUND_PROCESSES",  
"android.permission.READ_CALL_LOG",  
"android.permission.USE_BIOMETRIC",  
"android.permission.CHANGE_NETWORK_STATE",  
"android.permission.CAMERA",  
"android.permission.READ_EXTERNAL_STORAGE",
```

```
    "android.permission.BLUETOOTH",
    "android.permission.WRITE_SETTINGS",
    "android.permission.READ_PHONE_STATE"
  ],
  "uses-feature": [
    "android.hardware.location.gps",
    "android.hardware.bluetooth",
    "android.hardware.camera",
    "android.hardware.camera.autofocus",
    "android.hardware.touchscreen",
    "android.hardware.telephony",
    "android.hardware.location.network",
    "android.hardware.location",
    "android.hardware.wifi"
  ]
}
```

**Error - not found:**

```
{
  "messages": [
    {
      "type": "Error",
      "messageKey": "com.mobileiron.vsp.messages.http.404",
      "localizedMessage": "Not found"
    }
  ]
}
```

## Get the Android for Work permissions of an app

This retrieves the Android for Work (AFW) permissions of an app.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Category:</b> Settings and Services Management<br/><b>Role Description:</b> View settings and services</li><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> View app</li><li>• <b>Category:</b> Configuration Management<br/><b>Role Description:</b> View configuration</li></ul> |

## HTTP method

GET

## Request URI

/api/v2/afw/permissions\_v2/{package\_name}

## Request parameters

| Parameter          | Description                                                                                                                                                   | Sample Value        |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                                            | 1                   |
| package name       | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Package name of the app for which to retrieve the Android for Work permissions. | com.dropbox.android |

## Sample request

### Request

```
curl -X GET 'https://[Ivanti EPMM]/mifs/admin/rest/api/v2/afw/permissions_v2/com.dropbox.android/?adminDeviceSpaceId=1' -H 'Authorization: Basic <token>'
```

## Get the Android for Work restrictions of an app

This retrieves the Android for Work (AFW) restrictions of an app.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Category:</b> Settings and Services Management<br/><b>Role Description:</b> View settings and services</li><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> View app</li><li>• <b>Category:</b> Configuration Management<br/><b>Role Description:</b> View configuration</li></ul> |

## HTTP method

GET

## Request URI

/api/v2/afw/restrictions/{package\_name}

## Request parameters

| Parameter          | Description                                                                                                                                                    | Sample Value        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Long<br>Device space ID of the administrator.                                             | 1                   |
| package name       | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Package name of the app for which to retrieve the Android for Work restrictions. | com.dropbox.android |

## Sample request

### Request

```
curl -X GET 'https://[Ivanti  
EPMM]/mifs/admin/rest/api/v2/afw/restrictions/com.dropbox.android/?adminDeviceSpaceId=1 '  
-H 'Authorization: Basic <token>'
```

## Add a Google Play app

This call adds a Google Play app.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                         |
|------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Role Description:</b> Manage app |

### HTTP method

POST

### Request URI

/api/v2/appstore/googleplay

## Request parameters

| Parameter          | Description                                                                                                                   | Sample Value        |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Long<br>Device space ID of the administrator.             | 1                   |
| bundleId           | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Bundle ID of the Google Play app.               | com.facebook.katana |
| forceUpdate        | <b>Parameter Type:</b> Path<br><b>Data Type:</b> Boolean<br><b>Default:</b> false<br>Specify whether to force update the app. | true                |
| countryCode        | <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Country code of the app.                                           |                     |
| languageCode       | <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Language code of the app.                                          |                     |

## Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| platformType       |             |
| platformCode       |             |
| version            |             |
| altVersion         |             |
| displayVersion     |             |
| appId              |             |
| creatorType        |             |
| catalogType        |             |
| publicAppStoreType |             |
| publicStoreId      |             |
| developerName      |             |
| description        |             |
| updateNotes        |             |
| cost               |             |
| currency           |             |
| averageRating      |             |
| ratingCount        |             |
| installSize        |             |
| createdAt          |             |
| modifiedAt         |             |
| vpnIds             |             |

| Field                  | Description |
|------------------------|-------------|
| iconFile               |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| installer              |             |
| phoneScreenshots       |             |
| fileName               |             |
| uuid                   |             |
| url                    |             |
| tabletScreenshots      |             |
| categories             |             |
| featuredApp            |             |
| featuredBanner         |             |
| bannerDescription      |             |
| bannerStyle            |             |
| hiddenInAppstore       |             |
| perAppVpnByLabelOnly   |             |
| dataProtectionRequired |             |
| overrideURL            |             |
| quarantinable          |             |
| pushedOnRegistration   |             |
| backupPrevented        |             |
| cdnServiceEnabled      |             |
| cdnDisabled            |             |

| Field                                      | Description |
|--------------------------------------------|-------------|
| deviceSpaceId                              |             |
| spaces                                     |             |
| newApp                                     |             |
| minimumOsVersion                           |             |
| previousAppId                              |             |
| androidWork                                |             |
| androidWorkSilentInstall                   |             |
| androidWorkManagedDeviceSilentInstall      |             |
| androidWorkBlockUninstall                  |             |
| androidWorkQuarantineApp                   |             |
| androidWorkThirdPartyAppRuntimePermissions |             |
| androidWorkHideThirdPartyApps              |             |
| androidWorkManagedCertificates             |             |
| enableMobileIronAccess                     |             |
| accessProfileId                            |             |
| autoInstallMode                            |             |
| autoInstallPriority                        |             |
| networkTypeConstraint                      |             |
| chargingStateConstraint                    |             |
| deviceIdleStateConstraint                  |             |
| androidWorkGooglePlayDistributionEnabled   |             |
| androidWorkSelfHostedApkDefinitionUrl      |             |
| androidWorkSelfHostedApkDefinitionStatus   |             |
| androidWorkSelfHostedApkLicense            |             |

| Field                          | Description |
|--------------------------------|-------------|
| androidWorkSelfHostedApkStatus |             |
| blockWidget                    |             |
| autoUpdate                     |             |
| permissionUpdateAvailable      |             |
| enterpriseConfigs              |             |
| versionRequired                |             |
| codeVersion                    |             |
| mandatory                      |             |
| mandatoryOverwrite             |             |
| secureApp                      |             |
| enforceVersion                 |             |
| vpnNames                       |             |
| messages                       |             |
| type                           |             |
| messageKey                     |             |
| localizedMessage               |             |

## Sample request and response

### Request

```
curl -X POST \  
  'https://[Ivanti  
EPMM]/api/v2/appstore/googleplay?adminDeviceSpaceId=1&bundleId=com.facebook.katana' \  
  -H 'Authorization: Basic <token>' \  
  -H 'Content-Type: application/json' \  

```

### Response

**Success:**

```
{
  "results": {
    "id": 117,
    "name": "Facebook",
    "platformType": "Android",
    "platformCode": "A",
    "version": null,
    "altVersion": "",
    "displayVersion": null,
    "appId": "com.facebook.katana",
    "creatorType": "ADMIN",
    "catalogType": "APP",
    "publicAppStoreType": "GOOGLE_PLAY",
    "publicStoreId": "com.facebook.katana",
    "developerName": "Visit website",
    "description": "Keeping up... <remainder of description removed for brevity>",
    "updateNotes": "• Improvements for reliability and speed",
    "cost": 0.0,
    "currency": null,
    "averageRating": null,
    "ratingCount": null,
    "installSize": 0,
    "createdAt": 1567016231000,
    "modifiedAt": 1567016593000,
    "vpnIds": [],
    "iconFile": {
      "fileName": "logo.png",
      "uuid": "251b66ad-5d17-4bb3-b627-3b2817d96bcf",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=117&uuid=251b66ad-5d17-4bb3-b627-3b2817d96bcf&ext=PNG"
    },
    "installer": null,
    "phoneScreenshots": [
```

```
{
  "fileName": "screen-shot-0.png",
  "uuid": "d99a6a18-306a-4803-b67f-8dbf8fd827a4",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=117&uuid=d99a6a18-306a-4803-b67f-8dbf8fd827a4&ext=PNG"
},
{
  "fileName": "screen-shot-1.png",
  "uuid": "877c335d-9518-4f06-9e1b-7f2e51c96f67",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=117&uuid=877c335d-9518-4f06-9e1b-7f2e51c96f67&ext=PNG"
},
{
  "fileName": "screen-shot-2.png",
  "uuid": "fb0efef7-d643-45b0-9ec9-a2f267596471",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=117&uuid=fb0efef7-d643-45b0-9ec9-a2f267596471&ext=PNG"
}
],
"tabletScreenshots": [],
"categories": [],
"featuredApp": false,
"featuredBanner": false,
"bannerDescription": null,
"bannerStyle": null,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": null,
"quarantinable": false,
"pushedOnRegistration": false,
"backupPrevented": false,
"cdnServiceEnabled": false,
```

```
"cdnDisabled": false,
"deviceSpaceId": 1,
"spaces": null,
"newApp": false,
"minimumOsVersion": null,
"previousAppId": null,
"androidWork": false,
"androidWorkSilentInstall": false,
"androidWorkManagedDeviceSilentInstall": false,
"androidWorkBlockUninstall": false,
"androidWorkQuarantineApp": false,
"androidWorkThirdPartyAppRuntimePermissions": false,
"androidWorkHideThirdPartyApps": false,
"androidWorkManagedCertificates": false,
"enableMobileIronAccess": false,
"accessProfileId": null,
"autoInstallMode": "doNotAutoInstall",
"autoInstallPriority": null,
"networkTypeConstraint": null,
"chargingStateConstraint": null,
"deviceIdleStateConstraint": null,
"androidWorkGooglePlayDistributionEnabled": true,
"androidWorkSelfHostedApkDefinitionUrl": null,
"androidWorkSelfHostedApkDefinitionStatus": null,
"androidWorkSelfHostedApkLicense": null,
"androidWorkSelfHostedApkStatus": "Status: Not available for download",
"blockWidget": false,
"autoUpdate": false,
"permissionUpdateAvailable": false,
"enterpriseConfigs": [],
"versionRequired": false,
"codeVersion": "",
"mandatory": false,
```

```
"mandatoryOverwrite": false,
"secureApp": false,
"enforceVersion": false,
"vpnNames": null
},
"messages": [
  {
    "type": "Info",
    "messageKey": "com.mobileiron.vsp.messages.appstore.import.app.success",
    "localizedMessage": "App successfully imported."
  }
]
}
```

**Error - not found:**

```
{
  "messages": [
    {
      "type": "Error",
      "messageKey": "com.mobileiron.vsp.messages.appstore.apps.app.not.found",
      "localizedMessage": "No app found with id 'com.faccccebook.katana'",
      "messageParameters": [
        "com.faccccebook.katana"
      ]
    }
  ]
}
```

## Get apps which have "per-app vpn by label only" unselected and VPNs configured

To alleviate the deprecation of the per-app vpn by label only check box, this call affords the issuer the ability to query which apps have the per-app vpn by label only disabled and VPNs configured.

## Required Role

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Category:</b> Settings and Services Management<br/><b>Role Description:</b> View settings and services</li><li>• <b>Category:</b> App Management<br/><b>Role Description:</b> View app</li><li>• <b>Category:</b> Configuration Management<br/><b>Role Description:</b> View configuration</li></ul> |

## HTTP method

GET

## Request URI

/api/v2/appstore/apps/usingPerAppWithoutLabel?adminDeviceSpaceId=1

## Request parameters

| Parameter          | Description                                                                                                                    | Sample Value |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Long<br><br>Device space ID of the administrator. | 1            |

## Sample request and response

### Request

```
curl --location 'https://[Ivanti  
EPMM]/api/v2/appstore/apps/usingPerAppWithoutLabel?adminDeviceSpaceId=1' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Basic <token>'
```

### Response

```
{  
  "results": [  
    {  
      "id": 125,  
      "name": "ProntoForms - Mobile Forms",  
      "platformType": "iPhone",  
      "version": null,  
      "altVersion": "",  
      "displayVersion": null,  
      "creatorType": "ADMIN",  
      "catalogType": "APP",  
      "publicAppStoreType": "ITUNES",  
      "publicStoreId": "305587992",  
      "developerName": "ProntoForms Inc.",  
      "description": "ProntoForms is the global leader in automating mobile  
workflows.
```

The ProntoForms mobile solution makes it easy for remote workers to collect data on a mobile device, access company data in the field, and automatically share the results with back-office systems, cloud services, and people. We make it possible for companies to track, analyze, and continuously improve processes.

Platform Elements:

- The Mobile Forms App

Automate business tasks through powerful data access, collection and delivery.

- Integrations & Workflows

Seamlessly connect and route data across systems, cloud services, and people.

- Analytics & Reporting

```
Track and measure field operations to optimize business performance.",  
  "updateNotes": "Bugfixes and Optimizations",  
  "cost": 0,  
  "currency": "USD",  
  "averageRating": 2.5,  
  "ratingCount": 44,  
  "installSize": 235397120,
```

```
"createdAt": 1682535184000,
"modifiedAt": 1682579977000,
"trashed": false,
"uuid": "ddf5962a-e4cb-11ed-b486-005056904853",
"virtualCatalogId": 50020,
"deviceSpaceId": 1,
"deviceSpacePath": "/1/",
"installerFile": null,
"logoFile": null,
"entries": {
  "ALLOW_UPDATE_FROM_UNMANAGED_TO_MANAGED": "false",
  "APP_CDN_DISALLOW": "false",
  "APP_FEATURED": "false",
  "APP_FEATURED_BANNER": "false",
  "APP_OVERRIDE_QUARANTINE": "false",
  "APP_PROVISIONING_TYPE": "false",
  "APP_QUARANTINABLE": "false",
  "AUTO_UPDATE_ENABLED": "false",
  "CONVERT_APP_QUARANTINE": "false",
  "COUNTRY_CODE": "US",
  "DATA_PROTECTION_REQUIRED": "false",
  "ENFORCE_UPDATE_FROM_UNMANAGED_TO_MANAGED": "false",
  "GLOBAL_APP_CONFIG_SETTINGS_POLICY": "false",
  "HIDE_IN_APPSTORE": "false",
  "IPAD_ONLY": "false",
  "Logo Phone Count": "1",
  "Logo Phone File Height 1": "512",
  "Logo Phone File Name 1": "logo.png",
  "Logo Phone File Size 1": "71722",
  "Logo Phone File UUID 1": "db3c1113-9c97-4c26-a1a7-1db5c752d95a",
  "Logo Phone File Width 1": "512",
  "MANUAL_UPDATE_ENABLED": "false",
  "MIN_OS_VERSION": "15.0",
  "NEW_APP": "true",
  "NO_COST_APP": "true",
  "PERAPPVPNLABELONLY": "false",
  "PREFER_PLIST_APP_CONFIG": "false",
  "PREVENT_APP_BACKUP": "false",
  "PREVENT_OFFLOADING_APP": "false",
  "PUSH_APP_ON_REGISTRATION": "false",
  "RELEASE_DATE": "1680716796000",
  "REMOVE_APP_MDM_DISABLED": "true",
  "ScreenShot Phone Count": "5",
  "ScreenShot Phone File Height 1": "696",
  "ScreenShot Phone File Height 2": "696",
  "ScreenShot Phone File Height 3": "696",
  "ScreenShot Phone File Height 4": "696",
  "ScreenShot Phone File Height 5": "696",
  "ScreenShot Phone File Name 1": "screen-shot-0.png",
  "ScreenShot Phone File Name 2": "screen-shot-1.png",
  "ScreenShot Phone File Name 3": "screen-shot-2.png",
  "ScreenShot Phone File Name 4": "screen-shot-3.png",
  "ScreenShot Phone File Name 5": "screen-shot-4.png",
```

```
"ScreenShot Phone File Size 1": "68911",
"ScreenShot Phone File Size 2": "242196",
"ScreenShot Phone File Size 3": "98507",
"ScreenShot Phone File Size 4": "52129",
"ScreenShot Phone File Size 5": "42961",
"ScreenShot Phone File UUID 1": "d06e2450-b6a3-4a31-8dc5-c87bb12c1de3",
"ScreenShot Phone File UUID 2": "9fc6020a-7ae0-4c4e-9e00-18c8779e2fe1",
"ScreenShot Phone File UUID 3": "cefba864-a049-4b65-9faf-e43b6696625b",
"ScreenShot Phone File UUID 4": "be2ee997-a3b7-4470-936b-5f97acc1f369",
"ScreenShot Phone File UUID 5": "9b543138-d78c-4f29-a2fe-53bb396af345",
"ScreenShot Phone File Width 1": "392",
"ScreenShot Phone File Width 2": "392",
"ScreenShot Phone File Width 3": "392",
"ScreenShot Phone File Width 4": "392",
"ScreenShot Phone File Width 5": "392",
"ScreenShot Tablet Count": "6",
"ScreenShot Tablet File Height 1": "768",
"ScreenShot Tablet File Height 2": "768",
"ScreenShot Tablet File Height 3": "768",
"ScreenShot Tablet File Height 4": "768",
"ScreenShot Tablet File Height 5": "768",
"ScreenShot Tablet File Height 6": "768",
"ScreenShot Tablet File Name 1": "screen-shot-0.png",
"ScreenShot Tablet File Name 2": "screen-shot-1.png",
"ScreenShot Tablet File Name 3": "screen-shot-2.png",
"ScreenShot Tablet File Name 4": "screen-shot-3.png",
"ScreenShot Tablet File Name 5": "screen-shot-4.png",
"ScreenShot Tablet File Name 6": "screen-shot-5.png",
"ScreenShot Tablet File Size 1": "51270",
"ScreenShot Tablet File Size 2": "171399",
"ScreenShot Tablet File Size 3": "107193",
"ScreenShot Tablet File Size 4": "163427",
"ScreenShot Tablet File Size 5": "53554",
"ScreenShot Tablet File Size 6": "50167",
"ScreenShot Tablet File UUID 1": "a7703983-1b76-4711-a65e-d4d5c53dff70",
"ScreenShot Tablet File UUID 2": "9bc07a99-71d0-4b59-a48b-593f033b5f74",
"ScreenShot Tablet File UUID 3": "53b0c01b-cfc6-438e-8cd6-1fac0f214ad9",
"ScreenShot Tablet File UUID 4": "37757921-d69f-4b9e-af32-72d4e51baa24",
"ScreenShot Tablet File UUID 5": "b7101fec-5ac7-4848-a784-ac52c76037c1",
"ScreenShot Tablet File UUID 6": "265c7e82-2d95-4eb6-a98c-859d5d0821c7",
"ScreenShot Tablet File Width 1": "576",
"ScreenShot Tablet File Width 2": "576",
"ScreenShot Tablet File Width 3": "576",
"ScreenShot Tablet File Width 4": "576",
"ScreenShot Tablet File Width 5": "576",
"ScreenShot Tablet File Width 6": "576",
"VPNID": "11",
"VPN_COUNT": "1",
"VPP": "false",
"VPP_CONTENT_METADATA_APP": "false"
},
"appResources": [ ],
"categories": [ ],
```

```
        "vpnIds": [
            11
        ],
        "dependencyList": [ ],
        "webContentFilterIds": [ ],
        "dnsProxyFilterIds": [ ],
        "identifier": "com.truecontext.ProntoForms"
    }
],
"messages": [
    {
        "type": "Info",
        "messageKey": "com.mobileiron.vsp.messages.appstore.search.app.success",
        "localizedMessage": "App search returned '1' results.",
        "messageParameters": [
            1
        ]
    }
],
"resultCount": 1
}
```

# Audit Logs Management

## Export audit logs to a CSV file

Exporting audit logs to a CSV file requires multiple API calls:

- Initiate the processing of audit logs to be exported:  
GET api/v2/logs/audit\_logs\_export
- Return the status of the initiation of the export process:  
GET api/v2/logs/audit\_logs\_export\_status
- Initiate the download of the CSV file:  
GET api/v2/logs/audit\_logs\_csv

## Initiate the processing of audit logs to be exported

This call initiates audit log processing.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

### HTTP method

GET

## **Request URI**

api/v2/logs/audit\_logs\_export

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                | Sample Value                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                                                                       | 1                             |
| userActionIds      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Integer[ ]<br>Comma separated values of user action type Ids,<br>The User action type Ids are fetched from the<br>/api/v2/admins/{source}/actions call.<br>If this is empty, then all the user action types will be<br>considered for the search. |                               |
| status             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String[ ]<br>Comma separated values of Audit Log status to<br>filter. If this is empty, then returned Audit Logs may<br>contain all kinds of statuses.                                                                                            | Success, Failed,<br>Initiated |
| subject            | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Place holder for a device uuid to filter logs for a<br>particular device.                                                                                                                                                               |                               |
| actionStart        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Start time after which the audit logs are required.                                                                                                                                                                                     |                               |

| Parameter | Description                                                                                                                                                                       | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| actionEnd | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Number<br><br>This can be used along with actionStart to form a date range during which the Audit logs are required. |              |
| sortField | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Min:</b> 1 character<br><br><b>Max:</b> 320 characters<br><br>Name of the field to use for sorting.        |              |
| sortOrder | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Default:</b> ASC<br><br>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".  | ASC          |

## Response fields

| Field           | Description                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------|
| exportStatusMsg | Audit logs processing initiated/failure message.                                            |
| isRunning       | Boolean value that indicates whether the audit logs processing is initiated/running or not. |

## Sample Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/logs/audit_logs_export --data-urlencode 'sortField=requestedAt' --data-urlencode 'sortOrder=ASC'
```

## Sample Responses

Success:

```
{
  "exportStatusMsg": "Initiated processing of Audit Logs to be exported...",
  "isRunning": true
}
```

If the process is already initiated:

```
{
  "exportStatusMsg": "Audit Logs Export is in progress. It might be issued by another
admin. Please try after some time.",
  "isRunning": false
}
```

Failure:

```
{
  "exportStatusMsg": "Failed to initiate audit logs export",
  "isRunning": false
}
```

## Return the status of the initiation of the export process

This call gets the status of the audit log export process.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

### HTTP method

GET

## Request URI

api/v2/logs/audit\_logs\_export\_status

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field                   | Description                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| exportStatusMsg         | Audit Logs processing status/progress message.<br><br>"success" - If the processing is completed successfully.<br><br>"fail" - If the processing failed due to server error. |
| isRunning               | Boolean value that indicates whether the audit logs processing is progressing or not.                                                                                        |
| isExportStatusAvailable | Is the export progress status available.                                                                                                                                     |

## Sample Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/logs/audit_logs_export_status
```

## Sample Responses

While the processing of audit log entries to be exported is progressing:

```
{  
  "exportStatusMsg": "Processed 10,000 of 80,000 audit log entries...",  
  "isRunning": true,  
  "initiatedAt": "01-22-2005-1106412118809",  
}
```

```
"isExportStatusAvailable":true
}
```

When the processing of audit log entries to be exported is completed successfully:

```
{
  "exportStatusMsg":"success",
  "isRunning":false,
  "isExportStatusAvailable":true
}
```

Failure:

```
{
  "exportStatusMsg":"fail",
  "isRunning":false,
  "isExportStatusAvailable":true
}
```

## Download the CSV file

This call downloads the CSV file.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

### HTTP method

POST

### Request URI

api/v2/logs/audit\_logs\_csv

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| -o                 | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>The name of the file to download.     | auditlog.zip |

## Response fields

| Field                                                  | Description |
|--------------------------------------------------------|-------------|
| Content-Disposition<br>→attachment;filename=<filename> |             |
| Content-Type<br>→application/octetstream;charset=UTF-8 |             |

## Sample Request

```
curl -v -u <user>:<pass> -XPOST https://[Ivanti EPMM]/api/v2/logs/audit_logs_csv -o auditlog.zip
```

## Sample Response

```
Content-Disposition →attachment; filename=AuditLogs-emm-cope.hubtotal.net-11-16-2018-1542372740221.zip
```

```
Content-Type →application/octet-stream;charset=UTF-8
```

## Search/Retrieve audit logs

This call provides access to a search function over the entire set of audit logs.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

## HTTP method

GET

## Request URI

api/v2/logs/audit\_logs

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                   | Sample Value                  |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                              | 1                             |
| userActionIds      | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Integer[ ]<br><br>Comma separated values of user action type Ids,<br>The User action type Ids are fetched from<br>/api/v2/admins/{source}/actions .<br><br>If this is empty then all the user action types will be<br>considered for the search. |                               |
| status             | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String[ ]<br><br>Comma separated values of Audit Log status to<br>filter.<br><br>If this is empty then returned Audit Logs may<br>contain all kinds of statuses.                                                                                 | Success, Failed,<br>Initiated |
| subject            | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Place holder for a device uuid to filter logs for a<br>particular device.                                                                                                                                                          |                               |
| actionStart        | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Number<br><br>Start time after which the audit logs are required.                                                                                                                                                                                |                               |

| Parameter | Description                                                                                                                                                                                                                                          | Sample Value |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| actionEnd | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>This can be used along with actionStart to form a date range during which the Audit logs are required.</p>                                                             |              |
| limit     | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 200</p> <p><b>Default:</b> 200</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p> |              |
| offset    | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>                                      |              |

| Parameter | Description                                                                                                                                                             | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.              |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC". | ASC          |

## Response fields

| Field                         | Description                                                                |
|-------------------------------|----------------------------------------------------------------------------|
| searchTimeMillis              | The time in milliseconds that it took to execute the search.               |
| currentServerTimeMilliseconds | The current server time in milliseconds since epoch.                       |
| totalCount                    | The total number of entries that the query matched.                        |
| hasMore                       | Indicates that there are more entries available.                           |
| resultCount                   | The number of entries that are being returned.                             |
| results                       | An array of entry objects. Each object includes just the fields requested. |

## Sample request and response

### Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/logs/audit_logs --data-urlencode 'adminDeviceSpaceId=1' --data-urlencode 'fields=common.id' --data-urlencode 'offset=1' --data-urlencode 'limit=2'
```

## Response

```
{
  "searchTimeMillis":4,
  "currentServerTimeMilliseconds":1423631757695,
  "totalCount":4,
  "resultCount":2,
  "hasMore":true,
  "results":[
    {
      "spacePath":null,
      "reason":"Configuration Team Wildcard Distribution 80AD946C-0E35-4283-9DE8-0DF48E481144 added",
      "updateRequestId":null,
      "actor":null,
      "requesterName":"miadmin",
      "actionAt":1423559886308,
      "loggedAt":1423559886308,
      "version":1,
      "parentId":null,
      "subjectName":"Provisioning Profile - Team Wildcard Distribution 80AD946C-0E35-4283-9DE8-0DF48E481144 : 1",
      "userInRole":null,
      "spaceName":null,
      "objectId":null,
      "subjectType":"Application Setting",
      "subjectOwnerName":null,
      "status":"Success",
      "objectName":null,
      "actionType":"ADD_APPSETTING",
      "completedAt":1423559886308,
      "cookie":null,
      "message":null,
      "subjectId":null,
      "device":null,
    }
  ]
}
```

```
"requestedAt":1423559886308,
"configuration":{
  "configType":"Provisioning Profile",
  "name":"Team Wildcard Distribution 80AD946C-0E35-4283-9DE8-0DF48E481144",
  "version":"1",
  "configId":8
},
"objectType":null,
"logType":"userAction"
},
{
  "spacePath":null,
  "reason":"User miadmin is added.",
  "updateRequestId":null,
  "actor":{
    "miUserId":9001,
    "principal":"miadmin",
    "email":null
  },
  "requesterName":"misystem",
  "actionAt":1423466939836,
  "loggedAt":1423466939836,
  "version":1,
  "parentId":null,
  "subjectName":"miadmin",
  "userInRole":null,
  "spaceName":null,
  "objectId":null,
  "subjectType":"User",
  "subjectOwnerName":null,
  "status":"Success",
  "objectName":null,
  "actionType":"ADD_USER",
```

```
"completedAt":1423466939836,
"cookie":null,
"message":null,
"subjectId":"9001",
"device":null,
"requestedAt":1423466939836,
"configuration":null,
"objectType":null,
"logType":"userAction"
}
]
}
```

## Get action types facets for audit log categories

This call returns action types facets for audit logs categories.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> Logs and Events Management   |
| <b>Role Description:</b> View logs and events |

### HTTP method

GET

### Request URI

api/v2/logs/audit\_log\_actions/count

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                        | Sample Value                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                       | 1                             |
| requestType        | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br><b>Default:</b> actionType<br><br>Indicates the request type for the facets API.                                                                                                                                         | actionType                    |
| userActionIds      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Integer[ ]<br><br>Comma separated values of user action type Ids,<br>The User action type Ids are fetched from the<br>/api/v2/admins/{source}/actions call.<br><br>If this is empty, then all the user action types will be<br>considered for the search. |                               |
| status             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String[ ]<br><br>Comma separated values of Audit Log status to<br>filter. If this is empty, then returned Audit Logs may<br>contain all kinds of statuses.                                                                                                | Success, Failed,<br>Initiated |
| subject            | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br><br>Place holder for a device uuid to filter logs for a<br>particular device.                                                                                                                                                                   |                               |

| Parameter   | Description                                                                                                                                                               | Sample Value |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| actionStart | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Start time after which the audit logs are required.                                                    |              |
| actionEnd   | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>This can be used along with actionStart to form a date range during which the Audit logs are required. |              |
| sortField   | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.                |              |
| sortOrder   | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".   | ASC          |

## Response fields

| Field       | Description                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------|
| requestType | Type of Request                                                                                                              |
| totalCount  | The total number of entries that the query matched.                                                                          |
| rows        | Rows of entries with following :<br><pre>{   name: "Action Name",   count:"Action Count",   query: "Query specified" }</pre> |
| resultCount | The number of entries that are being returned.                                                                               |
| results     | An array of entry objects. Each object includes just the fields requested.                                                   |

## Sample request and response

### Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/logs/audit_log_actions/count --data-urlencode 'query=' --data-urlencode 'requestType=actionType' --data-urlencode 'sortOrder=ASC' --data-urlencode 'sortField=requestedAt'
```

### Response

```
{
  "results": {
    "requestType": "actionType",
    "rows": [
      {
        "name": "add_app_catalog",
        "count": 12,
        "query": ""
      },
    ],
  },
}
```

```
"name": "add_appsetting",
"count": 1,
"query": ""
},
{
  "name": "add_label",
  "count": 6,
  "query": ""
},
{
  "name": "add_ldap",
  "count": 1,
  "query": ""
},
{
  "name": "add_user",
  "count": 38,
  "query": ""
},
{
  "name": "admin_portal_sign_in",
  "count": 134,
  "query": ""
},
{
  "name": "admin_portal_sign_out",
  "count": 8,
  "query": ""
},
{
  "name": "allow_app_tunnel",
  "count": 2,
  "query": ""
```

```
},
{
  "name": "apply_label_to_devices",
  "count": 86,
  "query": ""
},
{
  "name": "assign_device_space_admin",
  "count": 1,
  "query": ""
},
{
  "name": "change_language",
  "count": 1,
  "query": ""
},
{
  "name": "change_ownership",
  "count": 1,
  "query": ""
},
{
  "name": "delete_label",
  "count": 1,
  "query": ""
},
{
  "name": "delete_user_account",
  "count": 12,
  "query": ""
},
{
  "name": "locate",
```

```
"count": 20,
"query": ""
},
{
  "name": "lock",
  "count": 1,
  "query": ""
},
{
  "name": "modify_appsetting",
  "count": 3,
  "query": ""
},
{
  "name": "push_profile",
  "count": 12,
  "query": ""
},
{
  "name": "register_device",
  "count": 9,
  "query": ""
},
{
  "name": "remove_label_from_devices",
  "count": 1,
  "query": ""
},
{
  "name": "retire",
  "count": 2,
  "query": ""
},
},
```

```
{
  "name": "send_message",
  "count": 21,
  "query": ""
},
{
  "name": "system_config_change",
  "count": 6,
  "query": ""
},
{
  "name": "update_device_space",
  "count": 10,
  "query": ""
},
{
  "name": "wakeup_device",
  "count": 1,
  "query": ""
}
]
},
"totalCount": 25,
"resultCount": 25
}
```

# Device Management

## Search for devices

This call returns information about devices. There are three ways to get device information: filtered by a search query, filtered by label, or filtered by both a search query and a label. This call has a GDPR consideration. See ["GDPR Consideration" on page 13](#).

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/devices

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1            |
| query              | <b>Required:</b> One of either the query or labelId parameters is required, and you can use both in the same call, but not both with an advanced query. See <a href="#">"Supported queries" on page 311</a> for more information.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Min:</b> 0 character<br><br><b>Max:</b> 255 characters<br><br>Search expression. An empty query returns everything. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. |              |
| labelId            | <b>Required:</b> One of either the labelId or query parameter is required, and you can use both in the same call. See <a href="#">"Supported queries" on page 311</a> for more information.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>The Label ID.                                                                                                                                                                                                                                                                                                                                          |              |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sample Value                                    |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| fields    | <p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> List of strings</p> <p><b>Min:</b> 1 field</p> <p><b>Max:</b> 512 fields</p> <p>Comma-separated list of the names of fields to be returned; Each field should be no more than 320 characters long. See <a href="#">"Valid fields Parameter Values" on page 649</a> for a list of valid values, and <a href="#">"Get the list of searchable device fields" on page 349</a> for how to query for the values. See <a href="#">"Supported queries" on the next page</a> for more information.</p> | user.display_name%2Ccommon.current_phone_number |
| limit     | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |

| Parameter | Description                                                                                                                                                                   | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return. |              |
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.                    |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".          | ASC          |

## Supported queries

The following table describes the supported and unsupported query formats. Any deviation from the query formats noted as "supported" is unsupported.

| API Call          | Supported?  | Sample Request                                                                                                               | Sample Response                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Only simple query | Unsupported | <code>https://[Ivanti EPM]api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;query=test</code> | <pre>{   "messages": [     {       "type": "Error",       "messageKey":         "com.mobileiron.vsp.messages.advancedsearch.parse.failure",       "localizedMessage":         "Unrecognized token '&lt;EOF&gt;' at position 4",       "messageParameters": [         "&lt;EOF&gt;",         4       ]     }   ] }</pre> |

| API Call             | Supported? | Sample Request                                                                                                                             | Sample Response                                                                                                                                                                                                                                                                       |
|----------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simple query & label | Supported  | <code>https://[Ivanti EPM]api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;labelId=4&amp;query=test</code> | <pre>{   "results": [     {       "common.os_version": "12.1.2",       "common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"     }   ],   "totalCount": 1,   "resultCount": 1,   "searchTimeMillis": 11,   "currentServerTimeMilliseconds": 1551852839417,   "hasMore": false }</pre> |

| API Call               | Supported?  | Sample Request                                                                                                                                                    | Sample Response                                                                                                                                                                                                                                                                       |
|------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advanced search        | Supported   | https://[Ivanti EPM]api/v2/devices?adminDeviceSpaceId=1&fields=common.os_version,common.uuid&query="common.uuid"="c592e4f3-4e76-4148-a91e-c62da8464968"           | <pre>{   "results": [     {       "common.os_version": "12.1.2",       "common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"     }   ],   "totalCount": 1,   "resultCount": 1,   "searchTimeMillis": 3,    "currentServerTimeMilliseconds": 1551852943226,   "hasMore": false }</pre> |
| Label & advanced query | Unsupported | https://[Ivanti EPM]api/v2/devices?adminDeviceSpaceId=1&fields=common.os_version,common.uuid&labelId=4&query="common.uuid"="c592e4f3-4e76-4148-a91e-c62da8464968" | <pre>{   "results": [],   "totalCount": 0,   "resultCount": 0,   "searchTimeMillis": 133,    "currentServerTimeMilliseconds": 1551853012054,   "hasMore": false }</pre>                                                                                                               |

| API Call   | Supported? | Sample Request                                                                                                              | Sample Response                                                                                                                                                                                                                                                                      |
|------------|------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Only label | Supported  | <code>https://[Ivanti EPM]api/v2/devices?adminDeviceSpaceId=1&amp;labelId=4&amp;fields=common.os_version,common.uuid</code> | <pre>{   "results": [     {       "common.os_version": "12.1.2",       "common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"     }   ],   "totalCount": 1,   "resultCount": 1,   "searchTimeMillis": 3,   "currentServerTimeMilliseconds": 1551853076127,   "hasMore": false }</pre> |

## Response fields

| Field                             | Description                                                                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| results                           | An array of retrieved objects. Each object includes just the fields requested with the fields parameter.                                        |
| common.ip_address                 | The device's IP address, for example, 10.11.103.146.                                                                                            |
| common.os_version                 | The device's OS version, for example, 4.4.                                                                                                      |
| common.platform_name              | The device's platform name and OS version, for example, Android 4.4.                                                                            |
| common.locale                     | The locale, for example, en-US.                                                                                                                 |
| common.storage_capacity           | The device's storage capacity in bytes, for example, 11766960000.                                                                               |
| common.miclient_last_connected_at | When the client last connected to Ivanti EPMM, for example, 2016-07-11T19:19:26.000Z.                                                           |
| common.home_operator_name         | Operator of the device, for example, AT&T.                                                                                                      |
| common.uuid                       | The device's UUID, for example, a57dcd91-f9a4-428e-bd47-3dd96bb7e1f9. It is the internal identifier for the device.                             |
| common.quarantined                | Boolean. True or false, is the device quarantined.                                                                                              |
| common.id                         | The internal ID number of the device in Ivanti EPMM.                                                                                            |
| common.device_space_name          | The name of the device space to which the device belongs. "Global" is the name of the default main device space.                                |
| common.ccm_migration_status       | Displays status of the device's migration from Ivanti EPMM to Cloud.                                                                            |
| common.imsi                       | The international mobile subscriber identity of the device, for example, 310410792173128. This is a unique number identifying a GSM subscriber. |
| common.ccm_migration_status       | Displays status of the device's migration from Ivanti EPMM to Cloud.                                                                            |

| Field                          | Description                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------|
| android.afw_capable            | Boolean. True or false, is the device Apps for Work capable.                        |
| common.storage_free            | How much free storage in bytes is there on the device, for example, 9754620000.     |
| common.device_is_compromised   | Boolean. True or false, is the device compromised.                                  |
| common.owner                   | The device owner, often the company that owns the device.                           |
| custom.device.attribute_name   | Name of the custom value attribute and its corresponding value.                     |
| user.email_address             | Email address of the device's user.                                                 |
| common.manufacturer            | Device manufacturer, for example, Samsung.                                          |
| common.data_protection_enabled | Boolean. True or false, is the device data protection enabled.                      |
| common.mdm_managed             | Boolean. True or false, is the device managed by a mobile device management system. |
| common.memory_free             | How much free memory in bytes does the device have, for example, 615304396.         |
| common.model                   | The model name of the device, for example, SAMSUNG-SM-G900A.                        |
| common.memory_capacity         | How much memory in bytes does the device have, for example, 1946943488.             |
| common.client_name             | The bundle name of the client on the device, for example, com.mobileiron.           |
| common.status                  | Status of the device, for example, ACTIVE, PENDING, RETIRED.                        |
| common.current_phone_number    | Phone number of the device.                                                         |
| common.platform                | Platform of the device, for example, Android.                                       |

| Field                       | Description                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| common.imei                 | International Mobile Station Equipment Identity of the device, for example, 354691065438150. Used to identify 3GPP and iDEN mobile phones, as well as some satellite phones. |
| user.display_name           | Name of the user associated with the device.                                                                                                                                 |
| common.creation_date        | Date the corresponding account was created, for example, 2016-07-11T19:18:13.000Z.                                                                                           |
| android.attestation         | The attestation status of the device, for example, UNKNOWN.                                                                                                                  |
| common.background_status    | The background status of the device, for example, 0.                                                                                                                         |
| common.last_connected_at    | The time and date of the last MDM checkin of the device, for example, 2016-07-11T19:19:26.000Z.                                                                              |
| common.home_country_name    | Cellular home country of the device, for example, United States.                                                                                                             |
| android.registration_status | Registration level of the device user, for example, Device Admin.                                                                                                            |
| common.battery_level        | Remaining power level of the device's battery, for example, 100.                                                                                                             |
| common.client_version       | The version of the client app on the device, for example, 9.0.1.0.68D.                                                                                                       |
| common.language             | The device's language, for example, English.                                                                                                                                 |
| user.user_id                | ID of the user associated with the device, for example, testuser2264.                                                                                                        |
| common.compliant            | Boolean. True or false, is the device compliant.                                                                                                                             |
| common.registration_date    | Date that the device registered with Ivanti EPMM, for example, 2016-07-11T19:19:26.000Z.                                                                                     |

| Field                       | Description                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| common.device_admin_enabled | Boolean. True or false, is the device MDM managed. For Android, this means the client app is set as a Device Admin. For iOS, this means the MDM certificate is installed on the device. |
| totalCount                  | The total number of entries that the query matched.                                                                                                                                     |
| resultCount                 | The number of entries that are being returned.                                                                                                                                          |
| hasMore                     | Indicates that there are more entries available.                                                                                                                                        |

## Sample request and response

### Request

Search for smart phones with "Samsung" in their name.

```
{noformat}
curl 'https://[Ivanti
EPMM]/admin/rest/api/v2/devices?count=50&offset=0&sortOrder=ASC&sortField=user.display_
name&fields=user.display_name,common.current_phone_
number,common.model,common.manufacturer,common.mdm_managed,common.platform_
name,common.home_country_name,common.registration_date,common.last_connected_
at,common.miclient_last_connected_at,common.owner,common.home_operator_
name,common.language,common.creation_date,common.uuid,common.clientId,user.email_
address,common.comment,user.user_id,common.storage_capacity,common.device_is_
compromised,common.noncompliance_
reasons,common.compliant,common.platform,common.quarantined,common.quarantined_
reasons,common.id,android.attestation,ios.wakeup_status,common.status,common.device_
space_name,common.background_status,common.data_protection_enabled,common.data_
protection_reasons,common.device_admin_enabled,common.memory_capacity,common.memory_
free,common.storage_capacity,common.storage_free,common.battery_level,common.client_
name,common.client_version,ios.DataRoamingEnabled,common.locale,common.ethernet_
mac,common.imei,common.imsi,common.ip_address,ios.iPhone ICCID,ios.iPhone MAC_ADDRESS_
ENO,ios.iPhone UDID,ios.iPhone VERSION,ios.DeviceName,common.os_version,android.afw_
capable,android.registration_status&labelId=-1&query=samsung&page=1&start=0&limit=50' -H
'authUserId: bWlhZG1pbG=='
{noformat}
```

### Response

```
{
  "results": [
    {
      "common.ip_address": "10.11.103.146",
      "common.os_version": "4.4",
```

```
"common.platform_name": "Android 4.4",
"common.locale": "en-US",
"common.storage_capacity": 11766960000,
"common.miclient_last_connected_at": "2016-07-11T19:19:26.000Z",
"common.home_operator_name": "AT&T",
"common.uuid": "a57dcd91-f9a4-428e-bd47-3dd96bb7e1f9",
"common.quarantined": false,
"common.id": 9,
"common.device_space_name": "Global",
"common.ccm_migration_status": "None",
"common.imsi": "310410792173128",
"android.afw_capable": false,
"common.storage_free": 9754620000,
"common.device_is_compromised": false,
"common.owner": "COMPANY",
"user.email_address": "testuser2264@auto8.mobileiron.com",
"common.manufacturer": "samsung",
"common.data_protection_enabled": true,
"common.mdm_managed": false,
"common.memory_free": 615304396,
"common.model": "SAMSUNG-SM-G900A",
"common.memory_capacity": 1946943488,
"common.client_name": "com.mobileiron",
"common.status": "ACTIVE",
"common.current_phone_number": "PDA",
"common.platform": "Android",
"common.imei": "354691065438150",
"user.display_name": "testuser2264",
"common.creation_date": "2016-07-11T19:18:13.000Z",
"android.attestation": "Unknown",
"common.background_status": 0,
"common.last_connected_at": "2016-07-11T19:19:26.000Z",
"common.home_country_name": "United States",
```

```
    "android.registration_status": "Device Admin",
    "common.battery_level": 100,
    "common.client_version": "9.0.1.0.68D",
    "common.language": "English",
    "user.user_id": "testuser2264",
    "common.compliant": true,
    "common.registration_date": "2016-07-11T19:19:26.000Z",
    "common.device_admin_enabled": true
  }
],
"totalCount": 1,
"resultCount": 1,
"searchTimeMillis": 51,
"currentServerTimeMilliseconds": 1468265055060,
"hasMore": false
}
```

## Self-register a device

This call enables a user to self-register a device on the user portal.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                       |
|-----------------------------------------------------|
| <b>Category:</b> Device Management                  |
| <b>Role Description:</b> Manage devices, restricted |

### HTTP method

POST

## Request URI

api/v2/users/register\_device

## Request parameters

| Parameter              | Description                                                                                                                             | Sample Value |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| countryCode            | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Integer<br>Country code of target device.                   | 1            |
| deviceLanguageId       | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Long<br>Language of target device.                                             | 1            |
| isPhoneNumberAvailable | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>true or false.                                   | false        |
| isForceRegister        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>true or false. Specify whether to force registration.               | false        |
| notifyUser             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Specify whether to notify the user. true or false. Default is true. | true         |

| Parameter   | Description                                                                                       | Sample Value |
|-------------|---------------------------------------------------------------------------------------------------|--------------|
| operatorId  | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Long<br>Carrier ID.   | 269          |
| phoneNumber | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Device phone number            | 5555555555   |
| platform    | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Device type | 1            |

## Response fields

| Field       | Description                 |
|-------------|-----------------------------|
| results     | Container for results.      |
| passcode    | Device passcode.            |
| ttl         | Passcode expiration date.   |
| regLink     | Registration URL.           |
| email       | Email for device owner.     |
| totalCount  | Number of matching items.   |
| resultCount | Number of returned results. |

## Sample request

```
curl -kv -u username:password -H "Content-Type: application/json" --data '{"countryCode": 1, "deviceLanguageId": 1, "isForceRegister": "false", "isPhoneNumberAvailable": "true", "notifyUser": "true", "operatorId": 269, "phoneNumber": "4083338888", "platform": "I"}' -XPOST 'https://[Ivanti EPMM]/api/v2/users/register_device';
```

## Sample response

```
{
  "results": [
    {
      "passcode": "600698",
      "ttl": "120",
      "regLink": "http://[Ivanti EPMM]:8080/mifs/c/d/ios.html",
      "email": "miadmin@mobileiron.com"
    }
  ],
  "totalCount": 1,
  "resultCount": 1
}
```

## Act on a device

This call performs one of the following actions on a device:

- ENABLE\_VOICE\_ROAMING (iOS)
- DISABLE\_VOICE\_ROAMING (iOS)
- ENABLE\_DATA\_ROAMING (iOS)
- DISABLE\_DATA\_ROAMING (iOS)
- ENABLE\_PERSONAL\_HOTSPOT (iOS)
- DISABLE\_PERSONAL\_HOTSPOT (iOS)
- SEND\_MESSAGE (Android, iOS)
- UPDATE\_OS (iOS)
- UNLOCK\_APP\_CONNECT\_CONTAINER (Android)
- UNLOCK\_DEVICE\_ONLY (Android, iOS)

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                       |
|-----------------------------------------------------|
| <b>Category:</b> Device Management                  |
| <b>Role Description:</b> Manage devices, restricted |

## HTTP method

POST

## Request URI

api/v2/devices/action

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sample Value         |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                    |
| actionType         | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br>The action to perform.<br><br>One of: <ul style="list-style-type: none"><li>• ENABLE_VOICE_ROAMING (iOS)</li><li>• DISABLE_VOICE_ROAMING (iOS)</li><li>• ENABLE_DATA_ROAMING (iOS)</li><li>• DISABLE_DATA_ROAMING (iOS)</li><li>• ENABLE_PERSONAL_HOTSPOT (iOS)</li><li>• DISABLE_PERSONAL_HOTSPOT (iOS)</li><li>• SEND_MESSAGE (Android, iOS)</li><li>• UPDATE_OS (iOS)</li><li>• UNLOCK_APP_CONNECT_CONTAINER (Android)</li><li>• UNLOCK_DEVICE_ONLY (Android, iOS)</li></ul> | ENABLE_VOICE_ROAMING |

| Parameter   | Description                                                                                                                                                      | Sample Value                         |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| deviceUuids | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Array of UUID Strings<br>UUID Strings of the devices on which to perform the action. | a2556e62-2ed0-4d42-98fd-a342eaf3e4e6 |
| note        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 200 characters<br>Note describing the action.          | Turning off voice roaming.           |

## **Additional request parameters for send\_message**

| Parameter            | Description                                                                                                                                                                                                                                       | Sample Value                                                                                                                                               |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| note                 | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Note about the message being sent.                                                                                                                                             | Alerting owner to policy violation.                                                                                                                        |
| additionalParameters | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Container for the following additional parameters: <ul style="list-style-type: none"><li>• message</li><li>• mode</li><li>• subject</li><li>• app</li></ul> | "additionalParameters" :<br>{ "message" : "Your device is in policy violation.", "mode" : "sms", "subject": "Important message", "app" : "Motorola MC75" } |
| message              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Message to send.                                                                                                                                            | Your device is in policy violation.                                                                                                                        |

| Parameter | Description                                                                                                                                                                                                                      | Sample Value                     |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| mode      | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Mode of transmission for the message.<br>Valid values: <ul style="list-style-type: none"><li>• sms</li><li>• pns</li><li>• email</li></ul> | sms                              |
| subject   | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Subject of the message.                                                                                                                    | Important news about your device |

## Response fields

| Field         | Description                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|
| actionType    | The action that was successful.                                                                                               |
| deviceResults | A map of "device-uuid":"status", where the status describes whether the action succeeded or why it failed.                    |
| successful    | Returns "true" if the action is successful on all devices, or "false" if the action is not successful on one or more devices. |

## Sample request and response

### Request

Enable data roaming.

```
curl -k -sS -u <userName>:<password> -v -XPOST 'https://[Ivanti
EPMM]/api/v2/devices/action?adminDeviceSpaceId=1&actionType=ENABLE_VOICE_ROAMING' -d '{
"deviceUuids": ["a2556e62-2ed0-4d42-98fd-a342eaf3e4e6", "aa0a05dc-14c9-4355-9640-
406b5c219c06", "d427879e-bdce-469a-810e-d38eef39bf8e"], "note" : "sample note" }' -H
'Content-Type:application/json'
```

## Response

```
{
  "actionType": "ENABLE_VOICE_ROAMING",
  "deviceResults": {
    "a68bb0cf-7a35-4d52-8259-c83398a41160":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Request

### Send message

```
curl -k -sS -u <userName>:<password> -v -XPOST 'https://[Ivanti
EPMM]/api/v2/devices/action?adminDeviceSpaceId=1&actionType=SEND_MESSAGE' -d '{
"deviceUuids": ["db46d2ca-df92-46d6-807e-8eb014e28a6f"], "note" : "Alerting owner to
policy violation.", "additionalParameters" : {"message" : "Your device is in policy
violation", "mode" : "sms", "subject": "Important news about your device", "app" : "Motorola
MC75"} }' -H 'Content-Type:application/json'
```

## Response

```
{
  "actionType": "SEND_MESSAGE",
  "deviceResults": {
    "db46d2ca-df92-46d6-807e-8eb014e28a6f":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Export devices

This call returns a CSV file for all devices found by the search. Use the `fieldGroups` parameter to specify a list of field groups to be returned in the CSV file.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

POST

## Request URI

api/v2/devices

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                                | 1            |
| query              | <b>Required:</b> One of either the query or labelId parameters is required, and you can use both in the same call.<br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Min:</b> 0 character<br><br><b>Max:</b> 2000 characters<br><br>Search expression. An empty query returns everything. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. |              |

| Parameter   | Description                                                                                                                                                                                                                                                                                                                                                                                                                 | Sample Value                          |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| labelId     | <p><b>Required:</b> One of either the labelId or query parameter is required, and you can use both in the same call.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The Label ID.</p>                                                                                                                                                                                                           |                                       |
| fieldGroups | <p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> List of strings</p> <p><b>Min:</b> 1 field group</p> <p><b>Max:</b> 20 field groups</p> <p>Comma-separated list of the names of field groups to be returned. Each field group should be no more than 20 characters long. May be any sequence of the following group names: "BASIC", "COMMON", "ANDROID", "IOS", "USER", "WINDOWS_PHONE"</p> | USER,COMMON,ANDROID,IOS,WINDOWS_PHONE |

| Parameter | Description                                                                                                                                                                       | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| limit     | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 2000<br><b>Default:</b> 2000<br><br>Indicates the maximum number of entries to return.   |              |
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br><br>Indicates the index of the first entry to return. |              |
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br><br>Name of the field to use for sorting.                    |              |

| Parameter | Description                                                                                                                                                                             | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| sortOrder | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p> | ASC          |

## Response values

**Content-Type:** text/csv

**Content-Disposition:** attachment; filename= DeviceSearchResult.csv

## Sample request and response

### Request

```
curl "https://[Ivanti  
EPMM]/api/v2/devices?fieldGroups=USER%"2CCOMMON%"2CANDROID%"2CIOS%"2CWINDOWS_  
PHONE&labelId=-10&query=" -H "Content-type: application/json" --data  
"authUserId=bWlhZG1pbG%"3D%"3D"
```

### Response

Response is a CSV file containing the retrieved values.

## Delete devices

This call deletes retired iOS, OS X, Win8, or Android devices that have not been modified in the last day.

## Required Role

|                                                           |
|-----------------------------------------------------------|
| Required Role                                             |
| <b>Category:</b> Device Management                        |
| <b>Role Description:</b> Delete retired device (API only) |

## HTTP method

DELETE

## Request URI

api/v2/devices

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                    | Sample Value                         |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                           |                                      |
| deviceUuids        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Array of strings<br><b>Min:</b> 1 deviceUuid<br><b>Max:</b> 512 deviceUuids<br>Comma-separated list of device uuids to delete if retired and is of platform iOS, OS X, Win8, Android. | 10c43352-15b2-413b-a3e0-4daf3977711a |
| wifiMacs           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Array of strings<br><b>Min:</b> 1 wifiMacs<br><b>Max:</b> 512 wifiMacs<br>Comma-separated list of wifiMacs to delete if retired and is of platform iOS, OS X, Win8, Android.          | 2a393b114f7c                         |
| principals         | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Array of strings<br><b>Min:</b> 1 principals<br><b>Max:</b> 512 principals<br>Comma-separated list of principals to delete if retired and is of platform iOS, OS X, Win8, Android.    |                                      |

## Response object

A JSON object containing the following fields:

| Field     | Description                                                                                                      |
|-----------|------------------------------------------------------------------------------------------------------------------|
| (unnamed) | An array of the UUIDs of those devices that were eligible to be deleted. An empty list means no devices deleted. |

## Sample request and response

### Request

```
curl -k -sS -u username:password -XDELETE -H "Content-Type: application/json" 'https://[Ivanti EPMM]/api/v2/devices?adminDeviceSpaceId=1' -d '{ "deviceUids" : [ "10c43352-15b2-413b-a3e0-4daf3977711a", "B0BAB9BA-388E-4612-B579-43A40411670C" ] }'
```

### Response

Only the first UUID was returned because it met the criteria for deletion. The second UUID was not deleted, either because it was not retired, it had been modified within the last day, or it was not of the correct platform.

```
[  
  "10c43352-15b2-413b-a3e0-4daf3977711a"  
]
```

## Count devices

This call returns the count of devices that match the specified query.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

|                                                                      |
|----------------------------------------------------------------------|
| Required Role                                                        |
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/devices/count

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                             | Sample Value                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                    | adminDeviceSpaceId=1                           |
| query              | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0 characters<br><b>Max:</b> 2000 characters<br>Search expression. An empty query returns the count of all devices. See <a href="#">"Query Operators and Search Fields" on page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. | query="common.manufacturer" starts with "Appl" |

## Response fields

| Field      | Description                                         |
|------------|-----------------------------------------------------|
| totalCount | The total number of entries that the query matched. |

## Sample request and response

### Request

Count all devices that are manufactured by Apple.

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti  
EPMM]]/api/v2/devices/count?adminDeviceSpaceId=1&query="common.manufacturer" starts with  
"Appl"
```

## Response

```
{  
  "totalCount": 117  
}
```

## Test an advanced search query

This call tests that the device-search query parses correctly.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/devices/query\_test

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                     | Sample Value                        |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                                                                                                                                                            | adminDeviceSpaceId=1                |
| query              | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0 characters<br><b>Max:</b> 2000 characters<br>Search expression. An empty query is valid. See <a href="#">"Query Operators and Search Fields"</a> on <a href="#">page 653</a> for complete details on the query operators and search fields you can use to construct the query parameter statement. | query=manufacturer contains "Apple" |

## Response fields

| Field    | Description                                                                                                                             |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| valid    | True if the query was valid; false otherwise.                                                                                           |
| token    | Represents the offending token if the query was invalid; the empty string otherwise.                                                    |
| position | The index of the first character of the offending token relative to the beginning of the line in which it occurs, 0..n-1; -1 otherwise. |

## Sample request and response

### Request

Validate the query.

```
curl -G -k -sS -u username:password 'https://[Ivanti EPMM]/api/v2/device/query_test' --data 'query%3Dmanufacturer%20contains%20%22blargle%22'
```

### Response

```
{
  "valid": false,
  "token": "blargle",
  "position": 21
}
```

## Get the list of searchable device fields

This call gets the name and type of device, details, and LDAP fields. You can use this information to find values for the fields parameter for any of the API calls that allow specification of search fields, such as ["Search for devices" on page 307](#).

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

### HTTP method

GET

## Request URI

api/v2/devices/search\_fields

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. |              |

## Response fields

An array of field-name-to-data-type objects:

| Field | Description                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| name  | The name of the field, which may be prefixed with the group to which the field belongs. For example, "detail.APNS Capable" or "ldap.user.first_name". |
| type  | The data type of the field, which could be "STRING", "NUMBER", or "DATE".                                                                             |

## Sample request and response

### Request

Get the fields.

```
curl -G -k -sS -u username:password 'https://[Ivanti EPMM]/api/v2/device/search_fields'
```

### Response

```
[  
  { "name" : "uuid", "type" : "STRING" },
```

```
{ "name" : "block_reason", "type" : "NUMBER" },  
{ "name" : "last_connected_at", "type" : "DATE" },  
{ "name" : "details.APNS Capable", "type" : "STRING" },  
{ "name" : "ldap.user.baseDn", "type" : "STRING" }  
]
```

## Get device details

This call gets device details for a specific device.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

### HTTP method

GET

### Request URI

api/v2/devices/<deviceId>/details

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. |                                      |
| deviceId           | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The deviceId is the device UUID.       | 2e33329d-fed5-4f56-a2b7-65caa5ef0cfe |

## Response fields

| Field       | Description                                         |
|-------------|-----------------------------------------------------|
| results     | Container for the array of detail objects returned. |
| totalCount  | The total number of entries that the query matched. |
| resultCount | The number of entries that are being returned.      |

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/devices/2e33329d-fed5-4f56-a2b7-65caa5ef0cfe/details" -H "authUserId: username" -H "Accept: application/json"
```

### Response

```
{
  results: [
    {
      name: "ios.ProductName",
```

```
        value: null
      },
      {
        name: "common.current_operator_name",
        value: null
      },
      {
        name: "ios.security_reason_code",
        value: "0x00000008"
      },
      {
        name: "common.registration_imsi",
        value: "310410"
      },
      ... {
        name: "ios.BluetoothMAC",
        value: null
      },
      {
        name: "ios.IsDeviceLocatorServiceEnabled",
        value: false
      }
    ],
    totalCount: 84,
    resultCount: 84
  }
```

## Include battery health information in Android device details

This call includes battery health information in Android device details.

Additional battery health statistics per-device includes:

- Android Battery Charging Status
- Android Battery Health Status
- Battery Charge Cycles (OEM)\*
- Battery Health Percentage (OEM)\*
- Battery Manufacture Date (OEM)\*

\*The OEM fields only populate if the device is a Zebra device.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/devices/<deviceId>/details?command=deviceDetail&deviceId=<deviceId>&os=<os version>&isBatteryStatsRequired=[true|false]

## Request parameters

| Parameter              | Description                                                                                                                                      | Sample Value                         |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId     | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                             |                                      |
| deviceId               | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The deviceId is the device UUID.                                   | 9af85060-4775-4f52-967c-bfb4979bd19d |
| command                | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Command to evaluate. Use deviceDetail.                            | command=deviceDetail                 |
| os                     | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>OS to evaluate, for example,<br>os=Android%2012L for Android 12L. | os=Android%2012L                     |
| isBatteryStatsRequired | <b>Parameter Type:</b> Query<br><b>Data Type:</b> boolean<br>use true to include battery information.                                            | 9af85060-4775-4f52-967c-bfb4979bd19d |

## Response fields

| Field       | Description                                         |
|-------------|-----------------------------------------------------|
| results     | Container for the array of detail objects returned. |
| totalCount  | The total number of entries that the query matched. |
| resultCount | The number of entries that are being returned.      |

## Sample request and response

### Request

```
https://[Ivanti EPMM]/api/v2/devices/9af85060-4775-4f52-967c-bfb4979bd19d/details?command=deviceDetail&deviceId=9af85060-4775-4f52-967c-bfb4979bd19d&os=Android%2012L&isBatteryStatsRequired=true
```

## Response

```
{
  "results": [
    {
      "name": "android.wifi_inventory_mac_addr",
      "value": null
    },
    {
      "name": "common.locale",
      "value": "en-US"
    },
    {
      "name": "android.zebra_build_id",
      "value": null
    },
    {
      "name": "common.sd_card_encrypted",
      "value": false
    },
    {
      "name": "common.client_id",
      "value": 1073741834
    },
    {
      "name": "android.battery_zebra_total_cumulative_charge",
      "value": null
    },
    {
      "name": "android.battery_zebra_bkvoltage",
      "value": null
    },
    {
      "name": "android.battery_zebra_seconds_since_first_use",
      "value": null
    },
    {
      "name": "common.imsi",
      "value": ""
    },
    {
      "name": "android.afw_capable",
      "value": true
    },
    {
      "name": "android.admin_activated",
      "value": true
    },
    {
      "name": "common.mdm_managed",
      "value": false
    },
    {
      "name": "android.secure_apps_encryption_enabled",
      "value": false
    },
    {
      "name": "android.platform_flags",
      "value": "0x143"
    },
    {
      "name": "android.battery_zebra_health_percentage",
      "value": null
    }
  ]
}
```

```
{
  "name": "common.creation_date",
  "value": "2022-07-05T07:34:05.000Z"
},
{
  "name": "common.background_status",
  "value": 0
},
{
  "name": "common.EnhancedLoggingEnabled",
  "value": false
},
{
  "name": "android.android_automated_enrollment",
  "value": "Unknown"
},
{
  "name": "common.last_connected_at",
  "value": "2022-07-05T07:45:27.000Z"
},
{
  "name": "android.battery_zebra_partnumber",
  "value": null
},
{
  "name": "android.battery_health",
  "value": null
},
{
  "name": "android.mdm_enabled",
  "value": true
},
{
  "name": "android.battery_zebra_time_to_full",
  "value": null
},
{
  "name": "android.codename",
  "value": null
},
{
  "name": "common.client_version",
  "value": "11.6.0.1.1R"
},
{
  "name": "common.ethernet_mac",
  "value": null
},
{
  "name": "common.mtd_status",
  "value": "N/A"
},
{
  "name": "android.battery_zebraRatedCapacity",
  "value": null
},
{
  "name": "android.prv_enable_network_slicing",
  "value": false
},
{
  "name": "android.os_build_number",
```

```
    "value": "SQ3A.220605.009.B1"
  },
  {
    "name": "android.security_detail",
    "value": "0"
  },
  {
    "name": "android.multi_mdm",
    "value": false
  },
  {
    "name": "common.device_admin_enabled",
    "value": true
  },
  {
    "name": "common.location_last_captured_at",
    "value": null
  },
  {
    "name": "common.os_version",
    "value": "12L"
  },
  {
    "name": "common.intune_compliance_azure_tenant_id",
    "value": null
  },
  {
    "name": "common.mdm_tos_accepted_date",
    "value": null
  },
  {
    "name": "android.safety_net_status",
    "value": "None"
  },
  {
    "name": "common.uuid",
    "value": "9af85060-4775-4f52-967c-bfb4979bd19d"
  },
  {
    "name": "android.samsung_carrier_code",
    "value": null
  },
  {
    "name": "android.secure_apps_encryption_mode",
    "value": null
  },
  {
    "name": "common.display_size",
    "value": "2240X1080"
  },
  {
    "name": "android.aosp_device",
    "value": "no"
  },
  {
    "name": "android.iccid",
    "value": ""
  },
  {
    "name": "common.device_is_compromised",
    "value": false
  },
}
```

```
{
  "name": "user.email_address",
  "value": null
},
{
  "name": "android.safety_net_timestamp",
  "value": null
},
{
  "name": "android.dualdar_enabled",
  "value": false
},
{
  "name": "android.brand",
  "value": "google"
},
{
  "name": "android.battery_status",
  "value": null
},
{
  "name": "common.client_name",
  "value": "com.mobileiron"
},
{
  "name": "common.imei",
  "value": ""
},
{
  "name": "android.os_update_status",
  "value": null
},
{
  "name": "user.last_name",
  "value": null
},
{
  "name": "user.display_name",
  "value": "miadmin"
},
{
  "name": "android.zebra_patch_version",
  "value": null
},
{
  "name": "android.file_encryption",
  "value": true
},
{
  "name": "android.developer_mode",
  "value": false
},
{
  "name": "android.safety_net_result_exception",
  "value": ""
},
{
  "name": "android.zebra_artifact_fingerprint",
  "value": null
},
{
  "name": "common.registration_imsi",
```

```
    "value": null
  },
  {
    "name": "android.manufacturer_os_version",
    "value": "12"
  },
  {
    "name": "android.battery_zebra_time_to_empty",
    "value": null
  },
  {
    "name": "user.uuid",
    "value": "bc4202db-ae47-4963-b207-24157b3a5df8"
  },
  {
    "name": "android.battery_zebra_present_capacity",
    "value": null
  },
  {
    "name": "android.usb_debugging",
    "value": false
  },
  {
    "name": "android.battery_zebra_decommission",
    "value": null
  },
  {
    "name": "common.mdm_tos_accepted",
    "value": false
  },
  {
    "name": "common.ip_address",
    "value": "192.168.0.8"
  },
  {
    "name": "android.media_card_capacity",
    "value": null
  },
  {
    "name": "android.screenlock_pin_change_prompt",
    "value": "false"
  },
  {
    "name": "common.mtd_anti_phishing_status",
    "value": "N/A"
  },
  {
    "name": "common.client_build_date",
    "value": "2022-04-07T21:31:41.000Z"
  },
  {
    "name": "android.security_patch_date",
    "value": "2022-06-05T00:00:00.000Z"
  },
  {
    "name": "user.first_name",
    "value": null
  },
  {
    "name": "common.intune_compliance_azure_device_compliance_status",
    "value": null
  },
}
```

```
{
  "name": "common.current_operator_name",
  "value": null
},
{
  "name": "android.battery_zebra_base_cumulative_charge",
  "value": null
},
{
  "name": "android.samsung_model_number",
  "value": null
},
{
  "name": "android.device",
  "value": "oriole"
},
{
  "name": "android.battery_zebra_serialnumber",
  "value": null
},
{
  "name": "common.wifi_mac_address",
  "value": "6a:02:39:cb:58:13"
},
{
  "name": "user.sam_account_name",
  "value": null
},
{
  "name": "common.mtd_anti_phishing_vpn_status",
  "value": "N/A"
},
{
  "name": "common.intune_compliance_azure_client_status_code",
  "value": "Not supported"
},
{
  "name": "android.bulk_enrollment_profile",
  "value": null
},
{
  "name": "common.intune_compliance_azure_device_report_time",
  "value": null
},
{
  "name": "common.device_encrypted",
  "value": true
},
{
  "name": "android.zebra_ota_capable",
  "value": false
},
{
  "name": "android.dualdar_version",
  "value": null
},
{
  "name": "android.security_patch",
  "value": "2022-06-05"
},
{
  "name": "common.location",
```

```
      "value": null
    },
    {
      "name": "android.battery_zebra_mfd",
      "value": null
    },
    {
      "name": "common.memory_capacity",
      "value": 7775075696
    },
    {
      "name": "common.security_state",
      "value": "Ok"
    },
    {
      "name": "common.intune_compliance_azure_device_id",
      "value": null
    },
    {
      "name": "android.attestation",
      "value": "Unknown"
    },
    {
      "name": "common.registration_uuid",
      "value": "7ca11b9157a5ac80"
    },
    {
      "name": "common.appconnect_tos_accepted",
      "value": null
    },
    {
      "name": "android.registration_status",
      "value": "Work Profile"
    },
    {
      "name": "android.incremental",
      "value": "8650216"
    },
    {
      "name": "android.dpm_encryption_status",
      "value": "ACTIVE PER USER"
    },
    {
      "name": "common.model_name",
      "value": null
    },
    {
      "name": "android.media_card_free",
      "value": null
    },
    {
      "name": "android.zebra_system_update_information",
      "value": null
    },
    {
      "name": "android.safety_net_enabled",
      "value": false
    },
    {
      "name": "android.samsung_dm",
      "value": null
    },
  ],
```

```
{
  "name": "android.battery_zebra_usage_num",
  "value": null
},
{
  "name": "android.kiosk_enabled",
  "value": false
},
{
  "name": "common.registration_date",
  "value": "2022-07-05T07:34:05.000Z"
},
{
  "name": "android.Client_version_code",
  "value": 652
},
{
  "name": "android.secure_apps_enabled",
  "value": false
},
{
  "name": "android.prv_password_expiration_timeout",
  "value": 0
},
{
  "name": "common.storage_capacity",
  "value": 128000000000
},
{
  "name": "android.security_reason",
  "value": ""
},
{
  "name": "common.miclient_last_connected_at",
  "value": "2022-07-05T07:45:27.000Z"
},
{
  "name": "android.gcmToken",
  "value": true
},
{
  "name": "android.os_update_path",
  "value": null
},
{
  "name": "android.knox_version",
  "value": ""
},
{
  "name": "android.c2dmToken",
  "value": null
},
{
  "name": "android.efota_capable",
  "value": false
},
{
  "name": "common.storage_free",
  "value": 111821280000
},
{
  "name": "common.intune_compliance_azure_device_compliance_report_status",
```

```
    "value": null
  },
  {
    "name": "android.battery_zebra_present_charge",
    "value": null
  },
  {
    "name": "common.manufacturer",
    "value": "Google"
  },
  {
    "name": "android.device_roaming_flag",
    "value": "Not Available"
  },
  {
    "name": "common.roaming",
    "value": false
  },
  {
    "name": "common.memory_free",
    "value": 3813408768
  },
  {
    "name": "common.model",
    "value": "Pixel 6"
  },
  {
    "name": "android.watch_app_installed",
    "value": false
  },
  {
    "name": "common.apns_capable",
    "value": false
  },
  {
    "name": "android.wear_paired",
    "value": false
  },
  {
    "name": "common.cellular_technology",
    "value": "none"
  },
  {
    "name": "common.battery_level",
    "value": 95
  },
  {
    "name": "common.enrollment_id",
    "value": "DFIQ-TWHE-GHZ7-5MOIN-LL3P-AHPO-T"
  },
  {
    "name": "common.auth_only",
    "value": false
  },
  {
    "name": "android.device_up_time",
    "value": 18
  },
  {
    "name": "android.google_device_account",
    "value": false
  },
}
```

```
{
  {
    "name": "common.SerialNumber",
    "value": null
  },
  {
    "name": "common.appconnect_tos_accepted_date",
    "value": null
  },
  {
    "name": "common.processor_architecture",
    "value": null
  },
  {
    "name": "user.user_id",
    "value": "miadmin"
  }
},
"totalCount": 143,
"resultCount": 143
}
```

## Get Embedded Identity Document (EID) details

This call gets the EID information for the built-in Subscriber Identity Modules/Subscriber Identification Modules (SIMs) of iOS 14 and later devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

### HTTP method

GET

### Request URI

/api/v2/devices/simdetails/{deviceId}?adminDeviceSpaceId={adminDeviceSpaceId}

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | adminDeviceSpaceId=1                 |
| deviceId           | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The deviceId is the device UUID.       | dd8adade-4d26-4aad-96cc-0cc317692aeb |

## Response fields

| Field                 | Description                               |
|-----------------------|-------------------------------------------|
| results               | Container for results.                    |
| eid                   | The EID identifier.                       |
| phoneNumber           | The associated phone number.              |
| carrierSettingVersion | Version of the carrier settings software. |
| carrierNetwork        | The carrier, for example, Verizon.        |
| slot                  | Slot position of associated EID.          |
| simLabel              | Label of EID.                             |
| totalCount            | Total EID arrays returned.                |
| resultCount           | Total result records returned.            |

## Sample request and response

### Request

```
curl --location --request GET 'https://[Ivanti EPMM]/api/v2/devices/simdetails/dd8adade-4d26-4aad-96cc-0cc317692aeb?adminDeviceSpaceId=1' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
```

### Response

```
{
  "results": [
    {
      "eid": "N/A",
      "phoneNumber": "N/A",
      "carrierSettingVersion": "N/A",
      "carrierNetwork": "N/A",
      "slot": "CTSubscriptionSlotOne",
      "simLabel": "N/A"
    },
    {
      "eid": "89049032005008882600048285696082",
      "phoneNumber": "+14089660949",
      "carrierSettingVersion": "41.7.70",
      "carrierNetwork": "Verizon ",
      "slot": "CTSubscriptionSlotTwo",
      "simLabel": "Secondary"
    }
  ],
  "totalCount": 2,
  "resultCount": 2
}
```

## Get Last Sync Time and State of ActiveSync Devices

This call gets the sync time and state of ActiveSync devices. The CSV output of this call is a helpful reference for operators who retire devices from Ivanti EPMM and need to remove the same devices from the ActiveSync profile on Microsoft Exchange. For example, an admin could create PowerShell scripts to read the response of this call and delete devices from the ActiveSync profile on Microsoft Exchange that have not synced in a week.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                     |
|---------------------------------------------------|
| <b>Category:</b> Device Management                |
| <b>Role Description:</b> Manage ActiveSync device |

### HTTP method

GET

### Request URI

api/V2/activesync/devicereport?daysIdle=0&state=a

### Request parameters

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sample Value |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| daysIdle  | <p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Integer</p> <p>Enter a value corresponding the number of days idle devices should be to be returned by the call. For example, to find devices that have been idle for one day, use 1 (one). Use 0 (zero) to find devices regardless of the last session time.</p>                                                                                                                                                                                                                                                                                                                                           | 0            |
| state     | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• a<br/>Searches for allowed devices</li><li>• b<br/>Searches for blocked devices</li><li>• w<br/>Searches for wiped devices</li><li>• q<br/>Searches for allowed quarantined devices</li><li>• r<br/>Searches for retired devices</li></ul> <p>For ease of use, the call accepts the entire word. For example, instead of "state=r", the call would accept "state=retired".</p> <p>Note: except for <b>retired</b>, all values correspond to ActiveSyncStatus enumeration. "retired" corresponds to eas_device entries with the trash flag set to true.</p> | a            |

## Response fields

This call returns information about ActiveSync devices matching search criteria in the HTTP response body in CSV format. The first line is the CSV column header line, followed by the actual ActiveSync device data, one row per ActiveSync device.

| Field        | Description                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| DeviceId     | ActiveSync Device ID                                                                                                                        |
| MailboxId    | Mailbox ID                                                                                                                                  |
| Status       | This is the device status.<br><br>One of: <ul style="list-style-type: none"><li>Registered</li><li>Unregistered</li></ul>                   |
| SyncStatus   | ActiveSync status.<br><br>One of: <ul style="list-style-type: none"><li>Allowed</li><li>Blocked</li><li>Wiped</li><li>Quarantined</li></ul> |
| Retired      | One of: <ul style="list-style-type: none"><li>true</li><li>false</li></ul>                                                                  |
| LastSyncTime | Last session time, formatted in GMT. The format is always <code>yyyy-MM-dd hh:mm:ss z</code> .                                              |
| SentryType   | One of: <ul style="list-style-type: none"><li>Standalone</li><li>Integrated</li></ul>                                                       |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti  
EPMM]/api/v2/activesync/devicereport/?daysIdle=0&state=A
```

### Response

```
DeviceId,MailboxId,Status,SyncStatus,Retired,LastSyncTime,SentryType  
DeviceID-1,someone@company.com,Unregistered,Allowed,false,2015-03-30 03:14:57  
GMT,Standalone  
DeviceID-2,someone@company.com,Registered,Blocked,false,2015-03-31 03:14:57  
GMT,Integrated  
DeviceID-3,someone@company.com,Unregistered,Unknown,true,2015-04-01 03:14:57  
GMT,Integrated
```

## Get app control compliance information for a device

This call gets app control compliance information for a device.

### Required Roles

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li><b>Category:</b> Device Management<br/><b>Role Description:</b> View dashboard, device page, device details</li><li><b>Category:</b> Other Roles<br/><b>Role Description:</b> Mobile App</li></ul> |

### HTTP method

GET

### Request URI

api/v2/devices/<deviceUuid>/appcompliance

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1                                    |
| deviceUuid         | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The device UUID.                       | 7b3ad194-3bc0-4229-b30f-26f6bb277dd7 |

## Response fields

| Field               | Description                                  |
|---------------------|----------------------------------------------|
| results             | Container for the results array shown below. |
| deviceUuid          |                                              |
| appViolationsByType |                                              |
| Disallowed          |                                              |
| type                |                                              |
| appName             |                                              |
| appVersion          |                                              |
| Required            |                                              |
| type                |                                              |
| appName             |                                              |
| appVersion          |                                              |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/devices/7b3ad194-3bc0-4229-b30f-  
26f6bb277dd7/appcompliance?adminDeviceSpaceId=1'
```

### Response

```
{  
  "results": {  
    "deviceUuid": "7b3ad194-3bc0-4229-b30f-26f6bb277dd7",  
    "appViolationsByType": {  
      "Disallowed": [  
        {  
          "type": "Disallowed",  
          "appName": "Sudoku",  
          "appVersion": "4.6"  
        }  
      ],  
      "Required": [  
        {  
          "type": "Required",  
          "appName": "Evernote",  
          "appVersion": null  
        },  
        {  
          "type": "Required",  
          "appName": "Waze",  
          "appVersion": null  
        }  
      ]  
    }  
  }  
}
```

## Wake up a device

This call wakes up a device by requiring it to check in.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                        |
|--------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Force device check-in |

### HTTP method

PUT

### Request URI

api/v2/devices/wakeup

### Request parameters

| Parameter          | Description                                                                                                                                                                           | Sample Value                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                      | 1                                    |
| deviceUuids        | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>The device UUIDs of the devices to wake up. Use commas to separate multiple values. | af0cea8b-f56c-49f5-b615-76cc34936b2f |
| note               | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Note clarifying the wake up/check-in request.                                                              | Please check in your device.         |

## Response fields

| Field         | Description                                             |
|---------------|---------------------------------------------------------|
| actionType    | Describes the action type, in this case, WAKEUP_DEVICE. |
| deviceResults | Indicates the outcome for the action per device.        |
| successful    | Indicates success, true or false.                       |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/wakeup?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"], "note": "something"}'
```

## Response

```
{
  "actionType": "WAKEUP_DEVICE",
  "deviceResults": {
    "af0cea8b-f56c-49f5-b615-76cc34936b2f":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Send message

This call sends a message to devices with the specified deviceUuids.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                         |
|---------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Send message to device |

## HTTP method

PUT

## Request URI

api/v2/devices/sendmessage

## Request parameters

| Parameter            | Description                                                                                                                                                                                 | Sample Value                                                                                                       |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId   | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                        | 1                                                                                                                  |
| deviceUuids          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUIDs of the devices to which to send the message. Use commas to separate multiple values. | 30b8b722-2954-42ab-bda8-700facfa249a                                                                               |
| note                 | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Note clarifying the wake up/check-in request.                                                                            | Alerting to data roaming expense.                                                                                  |
| additionalParameters | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Container for message and mode parameters.                                                                               | {<br>"message":<br>"Data roaming is expensive.",<br>"mode":<br>"email",<br>"subject":<br>"About data roaming"<br>} |

| Parameter | Description                                                                                                                                                                                                                               | Sample Value              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| message   | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Message to send to the specified devices.                                                                                                                              | Data roaming is expensive |
| mode      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Mode of the message: <ul style="list-style-type: none"><li>• pns (push notifications)</li><li>• sms</li><li>• email (email takes the subject parameter, too)</li></ul> | email                     |
| subject   | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Provide if desired when the message mode is email.                                                                                                                     | About data roaming        |

## Response fields

| Field         | Description                                            |
|---------------|--------------------------------------------------------|
| results       | Container for the results.                             |
| resultId      | ID of the result.                                      |
| resultMessage | Message associated with the resultID.                  |
| records       | List of affected device UUIDs.                         |
| resultCount   | Count of affected devices.                             |
| actionType    | Describes the action type, in this case, SEND_MESSAGE. |
| deviceResults | Indicates success or failure for each device.          |
| successful    | Indicates success, true or false.                      |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/sendmessage?adminDeviceSpaceId=1' --data '{"deviceUuids": ["30b8b722-2954-42ab-bda8-700facfa249a"], "note": "Alerting to data roaming expense.", "additionalParameters": {"message" : "Data roaming is expensive.", "mode": "email", "subject" : "About data roaming"} }'
```

### Response

```
{
  "results": [
    {
      "resultId": "114",
      "resultMessage": null,
      "records": [
        "30b8b722-2954-42ab-bda8-700facfa249a"
      ]
    }
  ],
  "resultCount": 1,
  "actionType": "SEND_MESSAGE",
  "deviceResults": {
    "30b8b722-2954-42ab-bda8-700facfa249a":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Apply labels to devices

This call applies labels to devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

|                                                                                              |
|----------------------------------------------------------------------------------------------|
| Required Role                                                                                |
| <b>Category:</b> Device Management<br><b>Role Description:</b> Apply and remove device label |

## HTTP method

PUT

## Request URI

api/v2/devices/labels/*label1,label2*/add

## Request parameters

| Parameter            | Description                                                                                                                                                                                 | Sample Value                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId   | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                        | 1                                    |
| <i>label1,label2</i> | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Labels to apply to the devices.                                                                              | ios,company-owned                    |
| deviceUuids          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUIDs of the devices to which to apply the labels. Use commas to separate multiple values. | 9a56d1e5-ca74-4776-868c-389c849348b2 |

## Response fields

| Field         | Description                                                                                                                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results       | Container for the results.                                                                                                                                                                                            |
| resultId      | ID of the result.                                                                                                                                                                                                     |
| resultMessage | Message associated with the resultID.                                                                                                                                                                                 |
| records       | An array of values for each label applied: <ul style="list-style-type: none"><li>• uuid</li><li>• id</li><li>• principal</li><li>• deviceSpaceId</li><li>• deviceSpacePath</li><li>• label</li><li>• device</li></ul> |
| resultCount   | Count of affected devices.                                                                                                                                                                                            |
| actionType    | Describes the action type, in this case, APPLY_LABEL_TO_DEVICES".                                                                                                                                                     |
| deviceResults | Contain failure reasons, for example "Device not found," or "Invalid request. Label not found for Label with ID".<br><br>The successful records can be found in "records" section.                                    |
| successful    | Indicates success, true or false.                                                                                                                                                                                     |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/labels/ios,company-owned/add?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"]}'
```

### Response

```
{
```

```
"results": [  
  {  
    "resultId": "114",  
    "resultMessage": null,  
    "records": [  
      {  
        "uuid": null,  
        "id": null,  
        "principal": null,  
        "deviceSpaceId": 1,  
        "deviceSpacePath": "/1/",  
        "label": "ios",  
        "device": [  
          {  
            "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"  
          }  
        ]  
      },  
      {  
        "uuid": null,  
        "id": null,  
        "principal": null,  
        "deviceSpaceId": 1,  
        "deviceSpacePath": "/1/",  
        "label": "company-owned",  
        "device": [  
          {  
            "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"  
          }  
        ]  
      }  
    ]  
  }  
]
```

```
  ],  
  "resultCount": 1,  
  "actionType": "APPLY_LABEL_TO_DEVICES",  
  "deviceResults": { },  
  "successful": true  
}
```

## Remove labels from devices

This call removes labels from devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                                |
|----------------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Apply and remove device label |

### HTTP method

PUT

### Request URI

`api/v2/devices/labels/label1,label2/remove`

### Request parameters

| Parameter            | Description                                                                                                                                                                                    | Sample Value                         |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId   | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                           | 1                                    |
| <i>label1,label2</i> | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Labels to remove from the devices.                                                                              | ios,company-owned                    |
| deviceUuids          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUIDs of the devices from which to remove the labels. Use commas to separate multiple values. | af0cea8b-f56c-49f5-b615-76cc34936b2f |

## Response fields

| Field         | Description                                                                                                                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results       | Container for the results.                                                                                                                                                                                            |
| resultId      | ID of the result.                                                                                                                                                                                                     |
| resultMessage | Message associated with the resultID.                                                                                                                                                                                 |
| records       | An array of values for each label applied: <ul style="list-style-type: none"><li>• uuid</li><li>• id</li><li>• principal</li><li>• deviceSpaceId</li><li>• deviceSpacePath</li><li>• label</li><li>• device</li></ul> |
| resultCount   | Count of affected devices.                                                                                                                                                                                            |
| actionType    | Describes the action type, in this case, REMOVE_LABEL_FROM_DEVICES.                                                                                                                                                   |
| deviceResults | Indicates success or failure for each device.                                                                                                                                                                         |
| successful    | Indicates success, true or false.                                                                                                                                                                                     |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/labels/ios,company-owned/remove?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"]}'
```

### Response

```
{
  "results": [
    {
```

```
"resultId": "114",
"resultMessage": null,
"records": [
  {
    "uuid": null,
    "id": null,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "label": "ios",
    "device": [
      {
        "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"
      }
    ]
  },
  {
    "uuid": null,
    "id": null,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "label": "company-owned",
    "device": [
      {
        "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"
      }
    ]
  }
],
"resultCount": 1,
```

```
"actionType": "REMOVE_LABEL_FROM_DEVICES",  
"deviceResults": { },  
"successful": true  
}
```

## Wipe devices

This call wipes devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                              |
|----------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Wipe device |

### HTTP method

PUT

### Request URI

api/v2/devices/wipe

### Request parameters

| Parameter          | Description                                                                                                                            | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b><br>Query<br><br><b>Data Type:</b><br>Number<br><br>Device space ID of the administrator. | 1            |

| Parameter   | Description                                                                                                                                   | Sample Value                                                                                                                                                                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| deviceUuids | <b>Required</b><br><br><b>Parameter Type:</b><br>Request body<br><br><b>Data Type:</b> String<br><br>The device UUIDs of the devices to wipe. | <pre>{   "deviceUuids": [     "cb1bcc55-bba3-41df-9efa-a3496b065bf9"   ],   "additionalParameters": {     "preserveDataPlan": "true"   },   "sendWipeNotification": "false" }</pre> |
| note        | <b>Parameter Type:</b><br>Request body<br><br><b>Data Type:</b> String<br><br>Note clarifying the wipe request.                               |                                                                                                                                                                                     |

| Parameter            | Description                                                                                                                                                                                                                                                                                                                                                      | Sample Value |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| additionalParameters | <p><b>Parameter Type:</b><br/>Request body</p> <p><b>Data Type:</b> String</p> <p>Container for additional parameters. Currently, the additional supported parameter is:</p> <p>preserveDataPlan</p> <p>If true, preserves the data plan upon wiping the device.</p> <p>Valid values:</p> <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul> |              |

## Response fields

| Field         | Description                                    |
|---------------|------------------------------------------------|
| results       | Container for results.                         |
| resultId      | ID of the result.                              |
| resultMessage | Message for the result.                        |
| records       | List of devices affected.                      |
| resultCount   | Count of devices affected.                     |
| actionType    | Describes the action type, in this case, WIPE. |

| Field         | Description                                      |
|---------------|--------------------------------------------------|
| deviceResults | Indicates the outcome for the action per device. |
| successful    | Indicates success, true or false.                |

## Sample request and response

### Request

```
curl --location --request PUT 'https://[Ivanti EPMM]/api/v2/devices/wipe?adminDeviceSpaceId=1' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--data '{"deviceUuids": ["cb1bcc55-bba3-41df-9efa-a3496b065bf9"], "note": "Employee left company.", "additionalParameters": {"preserveDataPlan": "true"}}'
```

### Response

```
{
  "results": [
    {
      "resultId": "114",
      "resultMessage": null,
      "records": [
        "cb1bcc55-bba3-41df-9efa-a3496b065bf9"
      ]
    }
  ],
  "resultCount": 1,
  "actionType": "WIPE",
  "deviceResults": {
    "cb1bcc55-bba3-41df-9efa-a3496b065bf9":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Lock devices

This call locks devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                       |
|-------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Lock & unlock device |

## HTTP method

PUT

## Request URI

api/v2/devices/lock

## Request parameters

| Parameter          | Description                                                                                                                    | Sample Value                         |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.           | 1                                    |
| deviceUuids        | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUIDs of the devices to lock. | af0cea8b-f56c-49f5-b615-76cc34936b2f |
| note               | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Note clarifying the lock request.                           | Employee left company.               |

## Response fields

| Field         | Description                                      |
|---------------|--------------------------------------------------|
| actionType    | Describes the action type, in this case, LOCK.   |
| deviceResults | Indicates the outcome for the action per device. |
| successful    | Indicates success, true or false.                |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/lock?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"], "note": "Employee left company."}'
```

### Response

```
{
  "actionType": "LOCK",
  "deviceResults": {
    "af0cea8b-f56c-49f5-b615-76cc34936b2f":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Unock devices

This call unlocks devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                       |
|-------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Lock & unlock device |

## HTTP method

PUT

## Request URI

api/v2/devices/unlock

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.             | 1                                    |
| deviceUuids        | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUIDs of the devices to unlock. | af0cea8b-f56c-49f5-b615-76cc34936b2f |
| note               | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Note clarifying the unlock request.                           | Virus scan successful.               |

## Response fields

| Field         | Description                                      |
|---------------|--------------------------------------------------|
| actionType    | Describes the action type, in this case, UNLOCK. |
| deviceResults | Indicates the outcome for the action per device. |
| successful    | Indicates success, true or false.                |

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/unlock?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"], "note": "Virus scan successful."}'
```

### Response

```
{
  "actionType": "UNLOCK",
  "deviceResults": {
    "af0cea8b-f56c-49f5-b615-76cc34936b2f":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Retire devices

This call retires devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

|                                                                              |
|------------------------------------------------------------------------------|
| Required Role                                                                |
| <b>Category:</b> Device Management<br><b>Role Description:</b> Retire device |

## HTTP method

PUT

## Request URI

api/v2/devices/retire

## Request parameters

| Parameter                                          | Description                                                                                                                                                             | Sample Value                                                                  |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| adminDeviceSpaceId                                 | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                            | 1                                                                             |
| deviceUuids                                        | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br><br>The device UUIDs of the devices to retire.                                | "e4dd5f15-0349-49a9-9cc7-0e6d121ff229","7f2f9390-4593-4351-b065-6409016026be" |
| note                                               | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br><br>Note clarifying the retire request.                                                              | New phone issued.                                                             |
| additionalParameters:<br>isActionForced:true false | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br><br>Used to force retirement of devices in the RETIRE PENDING state. To force retirement, use true. | "additionalParameters":<br>{<br>"isActionForced":true<br>}                    |

## Response fields

| Field         | Description                                      |
|---------------|--------------------------------------------------|
| actionType    | Describes the action type, in this case, RETIRE. |
| deviceResults | Indicates the outcome for the action per device. |
| successful    | Indicates success, true or false.                |

## Sample request and response

### Request

```
curl --user miadmin:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti_EPMM]/api/v2/devices/retire?adminDeviceSpaceId=1' --data '{ "deviceUuids": ["e4dd5f15-0349-49a9-9cc7-0e6d121ff229", "7f2f9390-4593-4351-b065-6409016026be"], "note": "New phone issued", "additionalParameters": {"isActionForced": true}}'
```

### Response

```
{
  "results": [
    {
      "resultId": "114",
      "resultMessage": null,
      "records": [
        "754ee0ba-a2f3-4f45-814e-fcfe230665f7"
      ]
    }
  ],
  "resultCount": 1,
  "actionType": "RETIRE",
  "deviceResults": {
    "754ee0ba-a2f3-4f45-814e-fcfe230665f7":
    "com.mobileiron.vsp.messages.device.action.successful"
  },
  "successful": true
}
```

## Open TeamViewer session

This call opens a TeamViewer session for an Android or iOS device. The support engineer opens the supporter link in the return in a browser to initiate the Remote Display session.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                 |
|-------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Manage devices |

## HTTP method

POST

## Request URI

msa/v2/remote/[create\_teamviewer\_session\_android|create\_teamviewer\_session\_ios]

## Request parameters

| Parameter                                                                | Description                                                                                                                                                                                                                                                                                          | Sample Value                         |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| create_teamviewer_session_android<br>or<br>create_teamviewer_session_ios | <b>Required.</b> One of the following is required: <ul style="list-style-type: none"><li>create_teamviewer_session_android</li><li>create_teamviewer_session_ios</li></ul> <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The type of device for which to create the TeamViewer session. | create_teamviewer_session_android    |
| adminDeviceSpaceId                                                       | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                                                          | 1                                    |
| deviceUuid                                                               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>The device UUID of the device for which to open a TeamViewer session.                                                                                                                                          | af0cea8b-f56c-49f5-b615-76cc34936b2f |

## Response fields

| Field             | Description                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------|
| results           |                                                                                                  |
| httpStatus        |                                                                                                  |
| error             |                                                                                                  |
| error_description |                                                                                                  |
| error_code        |                                                                                                  |
| error_signature   |                                                                                                  |
| code              |                                                                                                  |
| state             |                                                                                                  |
| groupid           |                                                                                                  |
| end_customer      |                                                                                                  |
| description       |                                                                                                  |
| assigned_userid   |                                                                                                  |
| end_customer_link |                                                                                                  |
| supporter_link    |                                                                                                  |
| valid_until       | This is the link the support engineer opens in a browser to initiate the Remote Display session. |
| messages          |                                                                                                  |
| type              |                                                                                                  |
| messageKey        |                                                                                                  |
| localizedMessage  |                                                                                                  |

## Sample requests and response

### Requests

#### Android

```
curl -v -H "Content-Type: application/x-www-form-urlencoded" -H "Authorization: Basic <token>" -X POST https://[Ivanti EPMM]/msa/v2/remote/create_teamviewer_session_android -d "adminDeviceSpaceId=1&deviceUUID=2493c9a5-a9c8-43cb-af4c-9475dac8ba69"
```

#### iOS

```
curl -v -H "Content-Type: application/x-www-form-urlencoded" -H "Authorization: Basic <token>" -X POST https://[Ivanti EPMM]/msa/v2/remote/create_teamviewer_session_ios -d "adminDeviceSpaceId=1&deviceUUID=8af2f758-15c4-4394-ac67-3729e3dfe2d0"
```

### Response

```
{
  "results": {
    "httpStatus": "OK",
    "error": null,
    "error_description": null,
    "error_code": null,
    "error_signature": null,
    "code": "s35-924-946",
    "state": "Open",
    "groupid": "g86972161",
    "end_customer": null,
    "description": null,
    "assigned_userid": "u75347768",
    "end_customer_link": "https://get.teamviewer.com/s35924946",
    "supporter_link": "[https://get.teamviewer.com/s35924946-9c0G78d8rMMZ]",
    "valid_until": "2019-04-10T01:46:06Z"
  },
  "messages": [
    {
      "type": "Info",
      "messageKey": "com.mobileiron.vsp.messages.teamviewer.create.session",
    }
  ]
}
```

```
        "localizedMessage": "Created TeamViewer session code"
    }
  ]
}
```

## Check device compliance

This call checks device compliance for selected or all devices.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                           |
|-----------------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Manage devices           |
| or                                                                                      |
| <b>Category:</b> Policy Management<br><b>Role Description:</b> Manage compliance action |

### HTTP method

PUT

### Request URI

api/v2/devices/checkcompliance

### Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sample Value |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                                                                                                                                                                      | 1            |
| allDevices         | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Boolean<br><br>Specifies whether to return compliance information for all devices, or only for the devices indicated in the request body.<br><br>Valid values: <ul style="list-style-type: none"><li>• true</li><li>• false</li></ul><br>If true, then you must send {} in the request body as raw JSON (application/json) text. If false, then you must send a list of deviceUids in the request body. See the <a href="#">"Requests" on page 408</a> . | true         |

| Parameter   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sample Value                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| deviceUuids | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>The device UUIDs of the devices for which to check device compliance.</p> <p>If the value of the allDevices parameter is true, then send {} in the request body as raw JSON (application/json) text.</p> <p>If the value of the allDevices parameter is false, then send the list of device UUIDs in the request body as raw JSON (application/json) text, like this, for example:</p> <pre>{   "deviceUuids": [     "ca7e632e-1c64-4ef3-8ed4-92480cb30a6f"   ] }</pre> <p>See the <a href="#">"Requests" on the next page</a>.</p> | <pre>{"deviceUuids": ["ca7e632e-1c64- 4ef3-8ed4- 92480cb30a6f"]}</pre> |

## Response fields

| Field         | Description      |
|---------------|------------------|
| results       |                  |
| resultId      |                  |
| resultMessage |                  |
| records       |                  |
| resultCount   |                  |
| actionType    | CHECK_COMPLIANCE |
| deviceResults |                  |
| successful    | true or false.   |

## Sample requests and response

### Requests

#### Check Compliance for specific devices

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/checkcompliance?adminDeviceSpaceId=1&allDevices=false' --data '{"deviceUids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"]}'
```

#### Check Compliance for all devices

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://[Ivanti EPMM]/api/v2/devices/checkcompliance?adminDeviceSpaceId=1&allDevices=true' --data '{}'
```

### Response

```
{
  "results": [
    {
      "resultId": "114",
      "resultMessage": null,
      "records": [
        "af0cea8b-f56c-49f5-b615-76cc34936b2f"
      ]
    }
  ],
  "resultCount": 1,
  "actionType": "CHECK_COMPLIANCE",
  "deviceResults": {},
  "successful": true
}
```

## Get device compliance and reason for non compliance

This call checks device compliance for the device specified with the deviceId parameter, and returns reasons for non-compliance, if present.

## Required Role

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                 |
|-------------------------------------------------------------------------------|
| <b>Category:</b> Device Management<br><b>Role Description:</b> Manage devices |

## HTTP method

GET

## Request URI

/api/v2/devices/{deviceUuid}/rulecompliance

## Request parameters

| Parameter          | Description                                                                                                                                       | Sample Value                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                              | 1                                    |
| deviceUuid         | <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The UUID of the devices for which to get compliance status and non-compliance reasons. | 9c311225-a7e1-486b-8682-96f96bfb38be |

## Response fields

| Field                 | Description |
|-----------------------|-------------|
| results               |             |
| id                    |             |
| deviceUuid            |             |
| ruleId                |             |
| complianceAction      |             |
| quarantineAction      |             |
| createdAt             |             |
| userDisplayName       |             |
| userId                |             |
| platformName          |             |
| model                 |             |
| actionName            |             |
| ruleName              |             |
| complianceActionNames |             |
| totalCount            |             |
| resultCount           |             |

## Sample request

```
curl -X GET -u <username>:<password> -H 'Content-Type: application/json' 'https://[Ivanti EPMM]/api/v2/devices/9c311225-a7e1-486b-8682-96f96bfb38be/rulecompliance?adminDeviceSpaceId=1'
```

## Sample response

```
{
  "results": [
    {
```

```
"id": 1,
"deviceUuid": "9c311225-a7e1-486b-8682-96f96bfb38be",
"ruleId": 1,
"complianceAction": 1,
"quarantineAction": 0,
"createdAt": 1558738202000,
"userDisplayName": "miadmin",
"userId": "miadmin",
"platformName": "iOS 11.2",
"model": "iPhone 6s",
"actionName": "Send Alert",
"ruleName": "test2",
"complianceActionNames": [
  "ALERT"
]
}
],
"totalCount": 1,
"resultCount": 1
}
```



# Custom Device Enrollment

## Get MDM profile

Applicable to iOS 13.0 and macOS 10.15 and later versions as supported by Ivanti EPMM. You use this call when interacting with a custom device enrollment web page. See the section "Workflow of the custom Device Enrollment web page" in the *Ivanti EPMM Device Management Guide for iOS and macOS* (version 10.8.0.0 and later) for complete details. For example, for versions 11.x, [this is the link](#). You can find all Ivanti EPMM documentation [here](#).

## Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                |
|--------------------------------------------------------------|
| <b>Category:</b> Device Management                           |
| <b>Role Description:</b> Manage device enrollment (iOS only) |

## HTTP method

POST

## Request URI

/api/v2/external/mdm/config/DEPMDMProfile

## Request parameters

| Parameter          | Description                                                                                                                               | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Default:</b> 0<br>Device space ID of the administrator. | 1            |

| Parameter  | Description                                                                                                                                                                                                                                                                                                                                                                     | Sample Value                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| deviceInfo | <p><b>Required</b></p> <p><b>Header Type:</b><br/>Request<br/>header</p> <p><b>Data Type:</b><br/>String</p> <p>This is the custom header, x-apple-aspen-deviceinfo, that an Apple device presents when it accesses the custom enrollment URL. It contains a base64 encoding of a CMS (Cryptographic Message Syntax) envelope that contains a plist with device attributes.</p> | <p>MIAGCSqGSib3DQEHAqCAMIACAQExCzAJBgUrDgMCGgUAMIA<br/>GCSqGSib3DQEHAaCAJIAEg...</p> <p>8J1/FDsNPlsrbfA/AcAvaKpilLxKd6aD+7CAAAAAA=</p> |

| Parameter | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sample Value            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| principal | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Ivanti EPMM user to associate to the Device Enrollment profile's device.</p> <p>This value corresponds to the return field <b>principal</b> shown below when you get user info using <b>Devices &amp; Users &gt; Users</b> in the user interface:</p> <pre>{<br/>  "rc": true,<br/>  "total": 2,<br/><br/>  "generationTime":<br/>159885411095<br/>7,<br/>  "offset":<br/>0,<br/>  "results":<br/>[<br/>  {</pre> | C23404779_User_70229196 |

| Parameter | Description                                                                                                                                                                                                                                                                                  | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|           | <pre>"uuid":<br/>"4a4790b2-<br/>91bd-4c1c-<br/>9449-<br/>d31f8d1b1be"<br/>e",<br/><br/>"id":<br/>9045,<br/><br/>"principal":<br/>"C23404779_<br/>User_<br/>70229196",<br/><br/>"deviceSpaceI<br/>d": 1,<br/><br/>"deviceSpaceP<br/>ath": "/1/",<br/><br/>"roles":<br/>[<br/>...<br/>],</pre> |              |

## Sample request

```
curl -X POST --header 'deviceInfo: <deviceinfo received as part of initial GET '  
"https://<EPMM host  
name>/api/v2/external/mdm/config/DEPMDMProfile?adminDeviceSpaceId=1&principal=C23404779_  
User_70229196"
```

# Device Spaces Management

## List device spaces

This call returns information on all device spaces, including name, the criteria used to create the device space, status, priority, device count, and the device space admins.

## Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

GET

## Request URI

api/v2/device\_spaces

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                         | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Default:</b> 0<br>Device space ID of the administrator.                                                                                                                              |              |
| limit              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0 character<br><b>Max:</b> 10,000 characters<br><b>Default:</b> 10,000<br>Indicates the maximum number of entries to return.<br>Must be at least 0 and no more than 10,000. | 5000         |
| offset             | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return.                                                                       |              |

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| excludeDeviceCount | <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Boolean</p> <p><b>Default:</b> false</p> <p>true = deviceCount field returned is always zero and you should ignore this value.</p> <p>false = deviceCount field contains actual device count.</p> <p>If you do not need the device count, then call it with "excludeDeviceCount=true," which yields faster results.</p> |              |

## Response fields

| Field       | Description                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| results     | An array of entry objects: id, device space name, criteria, status, priority, device count, and the admins of the device space. |
| totalCount  | The total number of entries that the query matched.                                                                             |
| resultCount | The number of entries that are being returned.                                                                                  |
| hasMore     | Indicates that there are more entries available.                                                                                |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/device_spaces?adminDeviceSpaceId=1&limit=50&sort&dir=ASC&offset=0&page=1&start=0
```

### Response

```
{  
  "results": [  
    {
```

```
    "id": 1,
    "name": "Global",
    "criteria": "",
    "status": "ACTIVE",
    "priority": 1,
    "deviceCount": 319,
    "admins": "miadmin"
  }
],
"totalCount": 1,
"resultCount": 1,
"hasMore": false
}
```

## Get my device spaces

This call gets a list of device spaces to which the currently logged in user belongs.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

### Request URI

api/v2/device\_spaces/mine

## Request parameters

none

## Response fields

| Field       | Description                                                                                |
|-------------|--------------------------------------------------------------------------------------------|
| results     | An array of device spaces: id, device space name, and the description of the device space. |
| totalCount  | The total number of entries that the query matched.                                        |
| resultCount | The number of entries that are being returned.                                             |
| hasMore     | Indicates that there are more entries available.                                           |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/device_spaces/mine?adminDeviceSpaceId=1&limit=50&sort&dir=ASC&offset=0&page=1&start=0
```

### Response

```
{
  "results": [
    {
      "id": 1,
      "name": "Global",
      "description": null
    }
  ],
  "totalCount": 1,
  "resultCount": 1
}
```

## List fields for device space criteria

This call returns a list of the advanced search fields used for creating a device space.

### Required Role

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

GET

### Request URI

api/v2/device\_spaces/criteria

### Request parameters

| Parameter          | Description                                                                                                                        | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br><b>Default:</b> 0<br><br>Device space ID of the administrator. |              |

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic <token>" https://[Ivanti EPMM]/api/v2/device_spaces/criteria?adminDeviceSpaceId=1
```

### Response

```
{
  "results": [
    {
      "name": "common.home_country_code",
      "type": "STRING"
    },
    {
      "name": "common.home_country_name",
      "type": "STRING"
    },
    ... {
      "name": "user.user_id",
      "type": "STRING"
    }
  ],
  "totalCount": 35,
  "resultCount": 35
}
```

## Create or update a device space

This call creates or updates a device space.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

|                                                                  |
|------------------------------------------------------------------|
| Required Role                                                    |
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

POST

## Request URI

api/v2/device\_spaces

## Request parameters

| Parameter          | Description                                                                                                                                                  | Sample Value                                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Default:</b> 0<br>Device space ID of the administrator.                                       |                                                                                                                                                                               |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Name of the space. Name must be unique.                                |                                                                                                                                                                               |
| id                 | Required when updating a space<br><b>Parameter Type:</b><br><b>Data Type:</b> Number<br>ID of the space. Used for updating a space.                          |                                                                                                                                                                               |
| parentId           | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>ID of the parent device space. 1 is the ID for the Global device space |                                                                                                                                                                               |
| criteria           | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Space criteria.                                                        | <pre> {   "criteria": "\"\\\"common.home_ country_code\\\"\" = \\\"US\\\" AND \\\"common.home_country_name\\\"\" = \\\"United States\\\"\", \"name\": \"USA Devices\"" </pre> |

## Response fields

| Field | Description                                    |
|-------|------------------------------------------------|
| id    | The ID of the created or updated device space. |

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces?adminDeviceSpaceId=1" -H "authUserId: bWlhZG1pbG==" -H "Accept: application/json" -H "Content-type: application/json" --data-binary '{"parentId": "1", "criteria": "\\\"common.home_country_code\\\"\" = \\\"US\\\"\" AND \\\"common.home_country_name\\\"\" = \\\"United States\\\"\", \"name\": \"USA Devices\"}'
```

### Response

```
{
  "results": {
    "id": 4
  }
}
```

## Delete a device space

This call marks a device space for deletion and then Ivanti EPMM deletes the marked device space within a few hours.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

DELETE

## Request URI

api/v2/device\_spaces/[id]

## Request parameters

| Parameter          | Description                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Default:</b> 0<br>Device space ID of the administrator.                                                    |
| id                 | <b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>ID of the device space to delete. If missing or 0 (zero), the call uses the value of the current device space. |

## Response fields

| Field | Description                                     |
|-------|-------------------------------------------------|
| id    | The ID of the device space marked for deletion. |

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces/4?adminDeviceSpaceId=1" -X DELETE -H "Content-Type: application/json"
```

## Response

```
{
  "results": {
    "id": 4
  }
}
```

## Assign admins to device space

This call assigns admins to a device space.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

POST

## Request URI

api/v2/device\_spaces/[deviceSpaceId]/admins

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                           | Sample Value |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Default:</b> 0<br>Device space ID of the administrator.                                                                                                                                               |              |
| deviceSpaceId      | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br><b>Min:</b> 1<br><b>Max:</b> 10,000,000<br>The ID of device space ID to which to assign admins                                                                                                          |              |
| roles              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> List<br><b>Min:</b> 1<br><b>Max:</b> 100<br>List of roles to assign to the admins. See <a href="#">"Get a list of admin roles" on page 54</a> for the call you use to find the values for this parameter. |              |

| Parameter         | Description                                                                                                                                                                                                                                                                                                                                                                                                    | Sample Value |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminUsers        | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin userIds (i.e., principals). Each element in the list must be no more than 50 characters in length. May not be used if adminLdapEntities is used.</p>                                                                                                                     |              |
| adminLdapEntities | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin LDAP entities, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used.</p> <p><b>Note:</b> LDAP entities are not validated against LDAP. You must to pass in the correct values.</p> |              |

## Response fields

This call does not return any response fields, but does return the HTTP 200 OK response code upon success.

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces/3/admins?adminDeviceSpaceId=1" -H
"Content-Type: application/json" --data-binary '{"roles":
[2,4,5,7,8,3,6,13,14,15,16,33,18,20,21,23,35],"adminLdapEntities":
[{"name":"testuser000000","type":"USER","dn":"cn=testuser000000,ou=contacts,d
c=auto2,dc=mobileiron,dc=com"}]}'
```

### Request payload structure

```
{
  "roles": [
    2,
    4,
    5,
    7,
    8,
    3,
    6,
    13,
    14,
    15,
    16,
    33,
    18,
    20,
    21,
    23,
    35
  ],
  "adminLdapEntities": [
    {
      "name": "testuser000000",
      "type": "USER",
      "dn": "cn=testuser000000,ou=contacts,dc=auto2,dc=mobileiron,dc=com"
    }
  ]
}
```

```
]
}
```

## Response

200 OK

## Delete admins from device space

This call unassigns admins from a device space.

## Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

DELETE

## Request URI

api/v2/device\_spaces/{deviceSpaceId}/admins

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                             | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Default:</b> 0<br>Device space ID of the administrator.                                                                                                                                                 |              |
| deviceSpaceId      | <b>Required</b><br><b>Parameter Type:</b> Path and Request body<br><b>Data Type:</b> Number<br><b>Min:</b> 1<br><b>Max:</b> 10,000,000<br>The ID of device space from which to delete admins. This call requires this parameter in the request path and in the request body.            |              |
| adminUsers         | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> List<br><b>Min:</b> 1<br><b>Max:</b> 500<br>List of admin userIds (i.e., principals) to delete as admins. Each element in the list must be no more than 50 characters in length. May not be used if adminLdapEntities is used. |              |

| Parameter         | Description                                                                                                                                                                                                                                                                                                                                                                                                                        | Sample Value |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminLdapEntities | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin LDAP entities to delete as admins, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used.</p> <p><b>Note:</b> LDAP entities are not validated against LDAP. You must to pass in the correct values.</p> |              |

## Response fields

This call does not return any response fields, but does return the HTTP 200 OK response code upon success.

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces/5/admins?adminDeviceSpaceId=1" -X
DELETE -H "Content-Type: application/json" --data-binary "
{
  "deviceSpaceId": 5,
  "adminLdapEntities": [
    {
      "name": "testuser000004",
      "type": "USER",
      "dn": "cn=testuser000004,ou=contacts,dc=auto2,dc=mobileiron,dc=com"
    }
  ]
}
```

### Response

200 OK

## Get policy restrictions

This call lists the policy restrictions for the target device space.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Category:</b> Admin Management</p> <p><b>Role Description:</b> Manage administrators and device spaces</p> <p>(You can also make this call with the <b>Policy management &gt; View policy</b> role.)</p> |

## HTTP method

GET

## Request URI

/msa/v2/policy/restrictions?adminDeviceSpaceId=*n*&deviceSpaceId=*n*

## Request parameters

| Parameter          | Description                                                                                                                                                             | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Default:</b> 0<br>Device space ID of the administrator.              | 1            |
| deviceSpaceId      | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 1<br><b>Max:</b> 10,000,000<br>The ID of device space whose settings to list | 3            |

## Response fields

| Field   | Description                                                    |
|---------|----------------------------------------------------------------|
| results | Container describing the settings and the success of the call. |

## Sample request and response

### Request

```
curl -X GET \  
  'https://[Ivanti EPMM]/msa/v2/policy/restrictions?adminDeviceSpaceId=1&deviceSpaceId=3' \  
  -H 'authorization: Basic <token>' \  

```

```
-H 'cache-control: no-cache' \  
-H 'postman-token: 82baa5ef-b810-f602-1f2f-fd2d75dc91fb' \  
-d '{"policyRestrictions":  
[{"policyProfileType":"PRIVACY","creationAllowedInSpace":true,"overrideGlobalPolicies":f  
alse},  
{"policyProfileType":"SECURITY","creationAllowedInSpace":true,"overrideGlobalPolicies":f  
alse}]}'
```

## Response

```
{  
  "results": {  
    "policyRestrictions": [  
      {  
        "policyProfileType": "PRIVACY",  
        "creationAllowedInSpace": true,  
        "overrideGlobalPolicies": false  
      },  
      {  
        "policyProfileType": "SECURITY",  
        "creationAllowedInSpace": true,  
        "overrideGlobalPolicies": false  
      }  
    ],  
    "deviceSpaceId": 3  
  },  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey":  
"com.mobileiron.vsp.messages.policy.restrictions.in.space.get.success",  
      "localizedMessage": "Policy restrictions in space successfully fetched."  
    }  
  ]  
}
```

## Assign policy restrictions

This call sets which policy type admins in space can create. Along with this setting, space admins should also have proper roles to create/edit/delete policies in this space.

### Required Role

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

### HTTP method

POST

### Request URI

msa/v2/policy/restrictions?deviceSpaceId

## Request parameters

| Parameter     | Description                                                                                                                                                   | Sample Value |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| deviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>The ID of device space for which to configure policy restrictions. | 3            |

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sample Value                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| policyRestrictions | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> JSON</p> <p>Container for the policy restrictions parameters.</p> <ul style="list-style-type: none"> <li>• <b>policyProfileType:</b> The type of restriction to configure. Can be: <ul style="list-style-type: none"> <li>- <b>PRIVACY</b></li> <li>- <b>SECURITY</b></li> </ul> </li> <li>• <b>creationAllowedInSpace:</b> Specifies whether admins can create policies in the space. Can be: <ul style="list-style-type: none"> <li>- <b>true</b></li> <li>- <b>false</b></li> </ul> </li> <li>• <b>overrideGlobalPolicies:</b> Specify whether Privacy and Security policies created in the space override global policies. Can be: <ul style="list-style-type: none"> <li>- <b>true:</b> All policies created in this space will have higher priority than global policies. Relevant policies will be re-evaluated and if there are any changes, it will be re-pushed to the devices.</li> <li>- <b>false:</b> All policies created in this space will have lower priority than global policies. Relevant policies will be re-evaluated and if there are any changes, it will be re-pushed to the devices.</li> </ul> </li> </ul> | <p>(ignore the hyphens in the sample below. Do not use hyphens for the parameters)</p> <pre>{   "policyRestrictions": [     {       "policyProfileType": "PRIVACY",       "creationAllowedInSpace": true,       "overrideGlobalPolicies": false     },     {       "policyProfileType": "SECURITY",       "creationAllowedInSpace": true,       "overrideGlobalPolicies": false     }   ] }</pre> |

## Response fields

| Field    | Description                                              |
|----------|----------------------------------------------------------|
| messages | Container describing the success or failure of the call. |

## Sample request and response

### Request

```
curl -X POST \
  'https://[Ivanti EPMM]/msa/v2/policy/restrictions?deviceSpaceId=3' \
  -H 'accept: application/json' \
  -H 'authorization: Basic <token>' \
  -H 'content-type: application/json' \
  -d '{"policyRestrictions":
[{"policyProfileType":"PRIVACY","creationAllowedInSpace":true,"overrideGlobalPolicies":f
alse},
{"policyProfileType":"SECURITY","creationAllowedInSpace":true,"overrideGlobalPolicies":f
alse}]}'
```

### Response

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.messages.policy.restrictions.in.space.save.success",
      "localizedMessage": "Policy restrictions saved successfully for space: ForDocs.",
      "messageParameters": [
        "ForDocs"
      ]
    }
  ]
}
```

## Change device space priority

This call changes the device space priority.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

POST

## Request URI

api/v2/device\_spaces/{deviceSpaceId}/change\_priority

## Request parameters

| Parameter            | Description                                                                                                                                                                                                                                                                     | Sample Value |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId   | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Default:</b> 0<br>Device space ID of the administrator.                                                                                                                                                          |              |
| deviceSpaceId        | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>The ID of device space whose priority to change.                                                                                                                                                  |              |
| deviceSpaceIdAboveMe | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> List<br><b>Min:</b> 1<br><b>Max:</b> 500<br>The ID of the device space whose priority is one step higher than the target device space.<br>Use 0 (zero) if the target device space is to have no other spaces above it. |              |

## Response fields

| Field   | Description                                                                                                                                                                                             |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results | An array of information about the target device space, including id, name, parent device space ID, resultant priority, criteria used for creating the device space, status of the change, and the path. |

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces/5/change_priority?adminDeviceSpaceId=1"
-H "Content-type: application/json" --data "deviceSpaceIdAboveMe=4"
```

### Response

```
{
  "results": {
    "id": 5,
    "name": "UK Devices",
    "parentId": 1,
    "priority": 2,
    "criteria": "\"common.home_country_code\" = \"GB\"",
    "criteriaFields": "-",
    "status": "PENDING",
    "path": "/1/5/"
  }
}
```

## Evaluate device spaces

This call evaluates the status of all device spaces. For example, if you mark a device space for deletion, you can then evaluate the device spaces to determine the status of the pending deletion.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                    |
|------------------------------------------------------------------|
| <b>Category:</b> Admin Management                                |
| <b>Role Description:</b> Manage administrators and device spaces |

## HTTP method

POST

## Request URI

api/v2/device\_spaces/evaluate

## Request parameters

| Parameter          | Description                                                                                                                        | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br><b>Default:</b> 0<br><br>Device space ID of the administrator. |              |

## Response fields

This call does not return any response fields, but does return the HTTP 200 OK response code upon success.

## Sample request and response

### Request

```
curl "https://[Ivanti EPMM]/api/v2/device_spaces/evaluate?adminDeviceSpaceId=1" -H  
"Content-type: application/json" --data "includeLabelEvaluation=1"
```

### Response

200 OK



# Label Management

## Get information on all labels

This call returns information on all labels.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> Label Management   |
| <b>Role Description:</b> View label |

### HTTP method

GET

### Request URI

/api/v2/labels/label\_summary

## Request parameters

| Parameter          | Description                                                                                                                                                                   | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                          | 1            |
| limit              | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.      |              |
| offset             | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br>Indicates the index of the first entry to return. |              |

| Parameter | Description                                                                                                                                                             | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br>Name of the field to use for sorting.              |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC". | ASC          |

## Response fields

| Field           | Description                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| totalCount      | The total number of entries that the query matched.                                                                                     |
| resultCount     | The number of entries that are being returned.                                                                                          |
| hasMore         | Indicates that there are more entries available.                                                                                        |
| results         | An array of retrieved objects shown below.                                                                                              |
| id              |                                                                                                                                         |
| name            |                                                                                                                                         |
| description     |                                                                                                                                         |
| isStatic        |                                                                                                                                         |
| criteria        |                                                                                                                                         |
| deviceCount     |                                                                                                                                         |
| deviceSpaceId   |                                                                                                                                         |
| deviceSpaceName |                                                                                                                                         |
| deviceSpacePath |                                                                                                                                         |
| rowType         | Values include: <ul style="list-style-type: none"><li>ADMIN: Created by an admin.</li><li>SYSTEM: A pre-defined system label.</li></ul> |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://[Ivanti EPMM]/api/v2/labels/label_summary?adminDeviceSpaceId=1'
```

### Response

```
{  
  "totalCount": 10,  
  "resultCount": 10,  
  "hasMore": false,  
  "results": [  
    {  
      "id": 1,  
      "name": "ADMIN",  
      "description": "Created by an admin.",  
      "isStatic": true,  
      "criteria": "ADMIN",  
      "deviceCount": 1,  
      "deviceSpaceId": 1,  
      "deviceSpaceName": "ADMIN",  
      "deviceSpacePath": "ADMIN",  
      "rowType": "ADMIN"  
    },  
    {  
      "id": 2,  
      "name": "SYSTEM",  
      "description": "A pre-defined system label.",  
      "isStatic": true,  
      "criteria": "SYSTEM",  
      "deviceCount": 1,  
      "deviceSpaceId": 1,  
      "deviceSpaceName": "SYSTEM",  
      "deviceSpacePath": "SYSTEM",  
      "rowType": "SYSTEM"  
    }  
  ]  
}
```

```
"resultCount": 10,
"hasMore": false,
"results": [
  {
    "id": -1,
    "name": "All-Smartphones",
    "description": "Label for all devices irrespective of OS",
    "isStatic": false,
    "criteria": "\"common.retired\"=false",
    "deviceCount": 2,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -10,
    "name": "Android",
    "description": "Label for all Android Phones.",
    "isStatic": false,
    "criteria": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
    "deviceCount": 1,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -6,
    "name": "Company-Owned",
    "description": "Label for all Company owned smartphones.",
    "isStatic": false,
    "criteria": "\"common.owner\"=\"COMPANY\" AND \"common.retired\"=false",
```

```
"deviceCount": 2,
"deviceSpaceId": 1,
"deviceSpaceName": "Global",
"deviceSpacePath": "/1/",
"rowType": "SYSTEM"
},
{
  "id": -5,
  "name": "Employee-Owned",
  "description": "Label for all Employee owned Smartphones.",
  "isStatic": false,
  "criteria": "\"common.owner\"=\"EMPLOYEE\" AND \"common.retired\"=false",
  "deviceCount": 0,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "SYSTEM"
},
{
  "id": -4,
  "name": "iOS",
  "description": "Label for all iOS devices.",
  "isStatic": false,
  "criteria": "\"common.platform\"=\"iOS\" AND \"common.retired\"=false",
  "deviceCount": 1,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "SYSTEM"
},
{
  "id": -11,
  "name": "macOS",
```

```
"description": "Label for all macOS Devices.",
"isStatic": false,
"criteria": "\"common.platform\"=\"macOS\" AND \"common.retired\"=false",
"deviceCount": 0,
"deviceSpaceId": 1,
"deviceSpaceName": "Global",
"deviceSpacePath": "/1/",
"rowType": "SYSTEM"
},
{
  "id": -20,
  "name": "Signed-Out",
  "description": "Label for devices that are in a multi-user signed-out state.",
  "isStatic": false,
  "criteria": "\"common.noncompliance_reasons\" = \"LOGGED_OUT\" AND \"common.retired\"=false",
  "deviceCount": 0,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "ADMIN"
},
{
  "id": -21,
  "name": "tvOS",
  "description": "Label for all tvOS Devices.",
  "isStatic": false,
  "criteria": "\"common.platform_name\" STARTS WITH \"AppleTV\" AND \"common.retired\"=false",
  "deviceCount": 0,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "SYSTEM"
```

```
    },
    {
      "id": -13,
      "name": "Windows",
      "description": "Label for all Windows devices.",
      "isStatic": false,
      "criteria": "(\"common.platform_name\" = \"Windows 8.1\" OR \"common.platform_name\" = \"Windows 10\" AND \"windows_phone.wp_phone\" = false) AND \"common.retired\" = false",
      "deviceCount": 0,
      "deviceSpaceId": 1,
      "deviceSpaceName": "Global",
      "deviceSpacePath": "/1/",
      "rowType": "SYSTEM"
    },
    {
      "id": -12,
      "name": "Windows Phone",
      "description": "Label for all Windows Phone Devices.",
      "isStatic": false,
      "criteria": "(\"common.platform\" = \"Windows Phone\" OR \"common.platform_name\" = \"Windows 10\" AND \"windows_phone.wp_phone\" = true) AND \"common.retired\" = false",
      "deviceCount": 0,
      "deviceSpaceId": 1,
      "deviceSpaceName": "Global",
      "deviceSpacePath": "/1/",
      "rowType": "SYSTEM"
    }
  ]
}
```

## Get label usage information

This call provides the usage summary of a label.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> Label Management   |
| <b>Role Description:</b> View label |

## HTTP method

GET

## Request URI

api/v2/labels/{labelid}/label\_usage\_summary

## Request parameters

| Parameter          | Description                                                                                                                        | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.               | 1            |
| -labelId           | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>Note that you need to precede the value with a dash. | -11          |

## Response fields

| Field            | Description |
|------------------|-------------|
| policies         |             |
| configs          |             |
| id               |             |
| name             |             |
| description      |             |
| applications     |             |
| deviceCount      |             |
| policyCount      |             |
| configCount      |             |
| userCount        |             |
| applicationCount |             |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://[Ivanti EPMM]/api/v2/labels/-11/label_usage_summary?adminDeviceSpaceId=1'
```

### Response

```
{
  "policies": [ ],
  "configs": [ ],
  "applications": [ ],
  "deviceCount": 1,
  "policyCount": 0,
  "configCount": 0,
  "userCount": 1,
  "applicationCount": 0
}
```

```
}
```

## Get information about a specific label

This call provides information about a specific label.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                       |
|-------------------------------------|
| <b>Category:</b> Label Management   |
| <b>Role Description:</b> View label |

### HTTP method

GET

### Request URI

/api/v2/labels/{labelId}

## Request parameters

| Parameter          | Description                                                                                                                        | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.               | 1            |
| -labelId           | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> Number<br>Note that you need to precede the value with a dash. | -11          |

## Response fields

| Field           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| results         | Array of the fields shown below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| uuid            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| id              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| principal       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| deviceSpaceId   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| deviceSpacePath |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| name            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| state           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| staticLabel     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| searchCriteria  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| query           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| deviceCount     | <p>This call always returns 0 (zero) for the device count. To find out how many devices are using a specific label, use:</p> <p>GET "https://[Ivanti EPMM]/api/v2/labels/-1/label_usage_summary?adminDeviceSpaceId=1"</p> <ul style="list-style-type: none"><li>• Replace [Ivanti EPMM] with the URL to your MonbileIron Corre environment.</li><li>• Substitute -1 with the desired label id</li><li>• Subsitute the "1" in adminDeviceSpaceId with the desired device space id.</li></ul> <p>See <a href="#">"Get label usage information" on page 461</a> for more information.</p> |
| isESSearch      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Field      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| devices    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| deviceUids | <p>This call always returns 0 (zero) for deviceUids. To find the deviceUids, use <a href="#">"Search for devices" on page 307</a>, for example, as follows:</p> <p>GET https://[Ivanti EPMM]/api/v2/devices?adminDeviceSpaceId=1&amp;labelId=4&amp;fields=common.os_version,common.uuid</p> <ul style="list-style-type: none"><li>• Replace [Ivanti EPMM] with the URL to your MonbileIron Corre environment.</li><li>• Substitute 4 with the desired label id</li><li>• Subsitute the "1" in adminDeviceSpaceId with the desired device space id.</li></ul> |
| type       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| rowType    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| assetId    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| assetName  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://[Ivanti EPMM]/api/v2/labels/-11?adminDeviceSpaceId=1'
```

### Response

```
{  
  "results": {  
    "uuid": null,  
    "id": -11,  
    "principal": null,  
    "deviceSpaceId": 1,  
  },  
}
```

```
"deviceSpacePath": "/1/",
"name": "OS X",
"description": "Label for all OS X Devices.",
"state": null,
"staticLabel": false,
"searchCriteria": [],
"query": "\"common.platform\"=\"OS X\" AND \"common.retired\"=false",
"deviceCount": 0,
"isESSearch": "t",
"devices": [],
"deviceUuids": null,
"type": "LABEL",
"rowType": "SYSTEM",
"assetId": "-11",
"assetName": "OS X"
}
}
```

## Add/Edit a label

This call adds a new label or updates an existing label. You should send `-H "Content-Type: application/json"` with this call.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                         |
|---------------------------------------|
| <b>Category:</b> Label Management     |
| <b>Role Description:</b> Manage label |

## HTTP method

POST

## Request URI

/api/v2/labels

## Request parameters

| Parameter     | Description                                                                                                          | Sample Value                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| deviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1                                                       |
| criteria      | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Label criteria.                | common.platform="Android"<br>AND "common.retired"=false |
| description   | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Description of the label.      | Label for all Android Phones.                           |

| Parameter | Description                                                                                                                                                                         | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| labelId   | Required if editing an existing label. Omit if adding a new label.<br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Number<br><br>Precede the label with a dash. | -10          |
| name      | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Number<br><br>Name of the label.                                                                | Android      |
| static    | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Boolean<br><br>Determines whether the label is static.                                          | false        |

## Response fields

| Field           | Description                      |
|-----------------|----------------------------------|
| results         | Array of the fields shown below. |
| uuid            |                                  |
| id              |                                  |
| principal       |                                  |
| deviceSpaceId   |                                  |
| deviceSpacePath |                                  |
| name            |                                  |
| description     |                                  |
| state           |                                  |
| staticLabel     |                                  |
| searchCriteria  |                                  |
| query           |                                  |
| deviceCount     |                                  |
| isESSearch      |                                  |
| devices         |                                  |
| deviceUids      |                                  |
| type            |                                  |
| rowType         |                                  |
| assetId         |                                  |
| assetName       |                                  |

## Sample request and response

### Request

Edit the label with labelId of -10:

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" 'https://[Ivanti EPMM]/api/v2/labels/?adminDeviceSpaceId=1' --data-binary '{
  "name": "Android 2",
  "description": "Label for all Android Phones.",
  "deviceSpaceId": 1,
  "static": false,
  "criteria": "(\\"common.platform\\"=\\"Android\\") AND \\"common.retired\\"=false",
  "labelId": "-10"
}'
```

### Response

```
{
  "results": {
    "uuid": null,
    "id": -10,
    "principal": "miadmin",
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "name": "Android 2",
    "description": "Label for all Android Phones.",
    "state": null,
    "staticLabel": false,
    "searchCriteria": [ ],
    "query": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
    "deviceCount": 0,
    "isESSearch": "f",
    "devices": [ ],
    "deviceUuids": null,
    "type": "LABEL",
```

```
"rowType": "ADMIN",  
"assetId": "-10",  
"assetName": "Android 2"  
}  
}
```

## Delete a label

This call deletes a label.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                         |
|---------------------------------------|
| <b>Category:</b> Label Management     |
| <b>Role Description:</b> Manage label |

## HTTP method

DELETE

## Request URI

/api/v2/labels

## Request parameters

| Parameter          | Description                                                                                                                                | Sample Value      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                       | 1                 |
| -labelId           | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Note that you need to precede the value with a dash. | -11               |
| reason             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Reason for deletion.                                                    | No longer needed. |

## Response

200 OK

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://[Ivanti  
EPMM]/rest/api/v2/labels/?adminDeviceSpaceId=1' -X DELETE --data-binary '{"reason":"No  
longer needed","labelIds":[-11]}'
```

### Response

200 OK

## Get list of applied/non-applied static labels for devices

This call gets a list of applied/non-applied static labels for devices.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                        |
|---------------------------------------|
| <b>Category:</b> Label Management     |
| <b>Role Description:</b> Manage label |

### HTTP method

POST

### Request URI

/api/v2/devices/labels

## Request parameters

| Parameter     | Description                                                                                                                                                                                                                                                  | Sample Value                  |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| deviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                  | 1                             |
| entityIds     | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>A list of device ID for applied labels, empty for non-applied labels.                                                                                                                     | 1,98                          |
| query         | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Name or description of label.                                                                                                                                          | Label for all Android Phones. |
| assignedOnly  | Required if editing an existing label. Omit if adding a new label.<br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br><b>Default:</b> false<br>true to get only assigned labels, otherwise it returns both assigned or unassigned labels | false                         |

| Parameter | Description                                                                                                                                                                       | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| limit     | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><br>Indicates the maximum number of entries to return.<br>Must be at least 0 and no more than 200.   |              |
| offset    | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br><b>Min:</b> 0<br><b>Max:</b> 10,000,000<br><b>Default:</b> 0<br><br>Indicates the index of the first entry to return. |              |
| sortField | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Min:</b> 1 character<br><b>Max:</b> 320 characters<br><br>Name of the field to use for sorting.                    |              |
| sortOrder | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br><b>Default:</b> ASC<br><br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".       | ASC          |

## Response fields

| Field           | Description                                         |
|-----------------|-----------------------------------------------------|
| totalCount      | The total number of entries that the query matched. |
| resultCount     | The number of entries that are being returned.      |
| hasMore         | Indicates that there are more entries available.    |
| results         | Array of the fields shown below.                    |
| uuid            |                                                     |
| id              |                                                     |
| principal       |                                                     |
| deviceSpaceId   |                                                     |
| deviceSpacePath |                                                     |
| name            |                                                     |
| description     |                                                     |
| state           |                                                     |
| searchCriteria  |                                                     |
| applied         |                                                     |
| notApplied      |                                                     |
| isESSearch      |                                                     |

## Sample request and response

### Request

Edit the label with labelId of -10:

```
curl --globoff --user <userName>:<password> --data '{
  "entityIds": [
    1,
    98
```

```
    ],
    "offset": 0,
    "limit": 50,
    "page": 1
  }' --request POST 'https://[Ivanti EPMM]/api/v2/devices/labels?adminDeviceSpaceId=1'
```

## Response

```
{
  "totalCount": 103,
  "resultCount": 2,
  "hasMore": true,
  "results": [
    {
      "uuid": null,
      "id": 3,
      "principal": null,
      "deviceSpaceId": 1,
      "deviceSpacePath": null,
      "name": "L1",
      "description": "",
      "state": "NOT_APPLIED",
      "searchCriteria": null,
      "applied": [ ],
      "notApplied": [
        "1000000000"
      ],
    },
    {
      "uuid": null,
      "id": 7,
      "principal": null,
      "deviceSpaceId": 1,
```

```
{
  "deviceSpacePath": null,
  "name": "L3",
  "description": "",
  "state": "NOT_APPLIED",
  "searchCriteria": null,
  "applied": [ ],
  "notApplied": [
    "100000000"
  ],
  "isESSearch": "t"
}
```

## Get list of labels for a specific device

This call gets a list of labels for a specific device.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                            |
|-----------------------------------------------------------|
| <b>Category:</b> Device Management                        |
| <b>Role Description:</b> View device page, device details |
| <b>Category:</b> Label Management                         |
| <b>Role Description:</b> View label                       |

### HTTP method

GET

## Request URI

/api/v2/devices/{deviceGuid}/labels?adminDeviceSpaceId={adminDeviceSpaceId}

## Request parameters

| Parameter          | Description                                                                                                              | Sample Value                         |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.     | 1                                    |
| deviceGuid         | <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Device GUID of the device for which to get label information. | 9624b93e-ddb4-48d1-aea3-d2f0084b6b4d |

## Response fields

| Field             | Description |
|-------------------|-------------|
| messages          |             |
| localizedMessage  |             |
| messageKey        |             |
| messageParameters |             |
| type              |             |
| resultCount       |             |
| results           |             |
| description       |             |
| id                |             |
| name              |             |
| query             |             |
| staticLabel       |             |
| totalCount        |             |

## Sample request and response

### Request

```
$ curl --user jsmith:Ab8fit28 --request GET 'https://[Ivanti  
EPM] /api/v2/devices/1234b93e-ddb4-48d1-aea3-d2f0084b6b4d/labels?adminDeviceSpaceId=1'
```

### Response

```
{  
  "messages": [  
    {  
      "localizedMessage": "4 Label(s) returned.",  
      "messageKey":  
      "com.mobileiron.vsp.rest.controllers.LabelControllerV2.Messages.LABELS_FOUND",  
      "messageParameters": [  

```

```
    4
  ],
  "type": "Info"
}
],
"resultCount": 4,
"results": [
  {
    "description": "Label for all Android Phones.",
    "id": -10,
    "name": "Android",
    "query": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "Label for all Company owned smartphones.",
    "id": -6,
    "name": "Company-Owned",
    "query": "\"common.owner\"=\"COMPANY\" AND \"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "Label for all devices irrespective of OS",
    "id": -1,
    "name": "All-Smartphones",
    "query": "\"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "",
    "id": 3,
    "name": "android_static",
    "query": null,
```

```
        "staticLabel": true
    }
    ],
    "totalCount": 4
}
```

# Custom Attributes Management

## Get custom attribute definitions

This call gets all custom attribute definitions of the requested type, device or user, and the requested status, active or inactive.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                     |
|---------------------------------------------------|
| <b>Category:</b> Settings and Services Management |
| <b>Role Description:</b> View logs and events     |

### HTTP method

GET

### Request URI

api/v2/attributes/definitions

## Request parameters

| Parameter          | Description                                                                                                                                                                                           | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                  | 1            |
| type               | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Type of attributes to return, device or user.                                                                          | device       |
| status             | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Restricts the returned list to definitions of a specific status, active or inactive.                                                      | active       |
| limit              | <b>Optional</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Indicates the maximum number of entries to return. Must be at least 0 and no more than 1000000. 0 returns all results. |              |
| offset             | <b>Optional</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Indicates the index of the first entry to return. Must be at least 0 and no more than 1000000. 0 returns all results.  |              |

| Parameter | Description                                                                                                                                                                                                                                            | Sample Value |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| keyword   | <b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Restricts returned list to definitions containing the specified keyword in name or description.                                                                                            | platform     |
| sortField | <b>Optional</b><br><b>Parameter Type:</b> Query<br>Valid Values: <ul style="list-style-type: none"><li>• <b>name</b></li><li>• <b>description</b></li><li>• <b>modified_at</b></li><li>• <b>status</b></li></ul> Name of the field to use for sorting. |              |
| sortOrder | <b>Optional</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Indicates the order in which entries are returned.<br>Values can be "ASC" or "DESC".                                                                                    |              |

## Response fields

| Field                         | Description                                                                                                                                                                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| resultCount                   | The number of entries that are being returned.                                                                                                                                                                                                                            |
| totalCount                    | The total number of entries that the query matched.                                                                                                                                                                                                                       |
| hasMore                       | Indicates that there are more entries available.                                                                                                                                                                                                                          |
| messages                      | Container for messages.                                                                                                                                                                                                                                                   |
| localizedMessage              | Localized message with parameters resolved.                                                                                                                                                                                                                               |
| messageKey                    | Message key.                                                                                                                                                                                                                                                              |
| type                          | Message type.                                                                                                                                                                                                                                                             |
| results                       | Container for results                                                                                                                                                                                                                                                     |
| modifiedAt                    | When modified.                                                                                                                                                                                                                                                            |
| createdAt                     | When created.                                                                                                                                                                                                                                                             |
| isFileTransferConfigAttribute | true or false. Indicates whether the attribute is part of an Android File Transfer configuration. For more information, see "Android File Transfer Configuration" in the <a href="#">Ivanti EPMM Device Management Guide for Android and Android Enterprise devices</a> . |
| description                   | Description of the custom attribute.                                                                                                                                                                                                                                      |
| name                          | Name of the custom attribute.                                                                                                                                                                                                                                             |
| dataType                      | Dta type of the custom attribute.                                                                                                                                                                                                                                         |
| status                        | Status of the custom attribute, ACTIVE or INACTIVE.                                                                                                                                                                                                                       |
| type                          | Type of the custom attribute, DEVICE or USER.                                                                                                                                                                                                                             |
| id                            | ID for the custome attribute.                                                                                                                                                                                                                                             |

## Sample Request

`https://<hostname>/mifs/admin/rest/api/v2/attributes/definitions?type=device&status=ACTIVE&limit=2&adminDeviceSpaceId=1&sortField=modified_at&sortOrder=DESC&offset=1`

## Sample Responses

```
{
  "totalCount": 4,
  "resultCount": 2,
  "hasMore": true,
  "messages": [
    {
      "type": "Info",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.definitions.success",
      "localizedMessage": "Attribute definitions successfully fetched."
    }
  ],
  "results": [
    {
      "id": 3,
      "type": "DEVICE",
      "status": "ACTIVE",
      "dataType": "STRING",
      "name": "cd3",
      "description": "",
      "createdAt": 1697784654000,
      "modifiedAt": 1697784654000,
      "isFileTransferConfigAttribute": false
    },
    {
      "id": 2,
      "type": "DEVICE",
      "status": "ACTIVE",
      "dataType": "LONG",
      "name": "cd2",
      "description": "",
      "createdAt": 1697784645000,
      "modifiedAt": 1697784645000,
      "isFileTransferConfigAttribute": false
    }
  ]
}
```

## Get custom attribute definition

This call gets the custom attribute definition specified by the id parameter.

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                     |
|---------------------------------------------------|
| <b>Category:</b> Settings and Services Management |
| <b>Role Description:</b> Manage custom attributes |

### HTTP method

GET

### Request URI

api/v2/attributes/definitions/{id}

## Request parameters

| Parameter          | Description                                                                                                                              | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                     | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Request path<br><b>Data Type:</b> String<br>ID of the custom attribute whose data to retrieve. | 2            |

## Response fields

| Field            | Description                                         |
|------------------|-----------------------------------------------------|
| resultCount      | The number of entries that are being returned.      |
| totalCount       | The total number of entries that the query matched. |
| messages         | Container for messages.                             |
| localizedMessage | Localized message with parameters resolved.         |
| messageKey       | Message key.                                        |
| type             | Message type.                                       |
| results          | Container for results                               |
| modifiedAt       | When modified.                                      |
| createdAt        | When created.                                       |
| description      | Description of the custom attribute.                |
| name             | Name of the custom attribute.                       |
| dataType         | Dta type of the custom attribute.                   |
| status           | Status of the custom attribute, ACTIVE or INACTIVE. |
| type             | Type of the custom attribute, DEVICE or USER.       |
| id               | ID for the custome attribute.                       |

## Sample Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/attributes/definitions/2'
```

## Sample Responses

```
{
  "resultCount": 1,
  "totalCount": 1,
  "messages": [
    {
```

```
    "localizedMessage": "Attribute definitions successfully fetched.",
    "messageKey":
"com.mobileiron.vsp.messages.custom.attributes.get.definitions.success",
    "type": "Info"
  }
],
"results": {
  "modifiedAt": 1462571401000,
  "createdAt": 1462571401000,
  "description": "this space for rent",
  "name": "stringAttr1",
  "dataType": "STRING",
  "status": "ACTIVE",
  "type": "USER",
  "id": 2
}
```

## Create custom attribute definition

This call creates a custom attribute definition. Note that you cannot create more than 300 custom attribute definitions.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                     |
|---------------------------------------------------|
| <b>Category:</b> Settings and Services Management |
| <b>Role Description:</b> Manage custom attributes |

## HTTP method

POST

## Request URI

api/v2/attributes/definitions

## Request parameters

| Parameter          | Description                                                                                                                   | Sample Value               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.          | 1                          |
| description        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Description of the custom attribute to create.             | Platform custom attribute. |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Name of the custom attribute to create. | TestAttribute              |

| Parameter | Description                                                                                                                                                                                                                                                    | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| dataType  | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Data type of the custom attribute to create. Three possible types: <ul style="list-style-type: none"><li>• BOOLEAN</li><li>• LONG</li><li>• STRING</li></ul> | long         |
| type      | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Type of the custom attribute to create, device or user.                                                                                                      | device       |

## Response fields

| Field            | Description                                 |
|------------------|---------------------------------------------|
| messages         | Container for messages.                     |
| localizedMessage | Localized message with parameters resolved. |
| messageKey       | Message key.                                |
| type             | Message type.                               |
| results          | ID of the newly created custom attribute.   |

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{  
  "description": "still just testing",
```

```
"name": "testAttr2",
"dataType": "long",
"type": "device"
}' -XPOST 'https://[Ivanti EPMM]/api/v2/attributes/definitions?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute definition created successfully.",
      "messageKey":
"com.mobileiron.vsp.messages.custom.attributes.create.definition.success",
      "type": "Info"
    }
  ],
  "results": 23
}
```

## Update custom attribute definition

This call updates a custom attribute definition. You can update the description and status fields.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                     |
|---------------------------------------------------|
| <b>Category:</b> Settings and Services Management |
| <b>Role Description:</b> Manage custom attributes |

## HTTP method

PUT

---

## Request URI

api/v2/attributes/definitions/{id}

## Request parameters

| Parameter          | Description                                                                                                                    | Sample Value               |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.           | 1                          |
| id                 | ID of the custom attribute definition to update.                                                                               | 2                          |
| description        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Updated description of the custom attribute.                | Platform costum attribute. |
| status             | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Updated status of the custom attribute, active or inactive. | TestAttribute              |

## Response fields

| Field            | Description                                 |
|------------------|---------------------------------------------|
| messages         | Container for messages.                     |
| localizedMessage | Localized message with parameters resolved. |
| messageKey       | Message key.                                |
| type             | Message type.                               |

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "description": "new description"
}' -XPUT 'https://[Ivanti EPMM]/api/v2/attributes/definitions/2?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute definition updated successfully.",
      "messageKey":
"com.mobileiron.vsp.messages.custom.attributes.update.definition.success",
      "type": "Info"
    }
  ]
}
```

## Get custom attributes for a device

This call gets all custom attribute definitions for the device corresponding to the value you send with the uuid parameter.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                        |
|----------------------------------------------------------------------|
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

---

## Request URI

api/v2/attributes/device/{uuid}

## Request parameters

| Parameter          | Description                                                                                                                                   | Sample Value                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                          | 1                                    |
| uuid               | <b>Required</b><br><b>Parameter Type:</b> Request path<br><b>Data Type:</b> String<br>uuid of the device whose custom attributes to retrieve. | 5f1db255-8d3d-4943-8bab-d556cacce855 |

## Response fields

| Field                 | Description                                             |
|-----------------------|---------------------------------------------------------|
| messages              | Container for messages.                                 |
| localizedMessage      | Localized message with parameters resolved.             |
| messageKey            | Message key.                                            |
| type                  | Message type.                                           |
| results               | Container for results                                   |
| custom attribute name | Name of custom value attribute and corresponding value. |
|                       | ...                                                     |

## Sample Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/attributes/device/5f1db255-8d3d-4943-8bab-  
d556cacce855?adminDeviceSpaceId=1'
```

## Sample Responses

```
{  
  "messages": [  
    {  
      "localizedMessage": "Attribute values successfully fetched.",  
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.values.success",  
      "type": "Info"  
    }  
  ],  
  "results": {  
    "devBool1": "true",  
    "devLong1": "42"  
  }  
}
```

## Set device custom attributes

This call sets device custom attributes.

## Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                |
|--------------------------------------------------------------|
| <b>Category:</b> Device Management                           |
| <b>Role Description:</b> Edit custom device attribute values |

## HTTP method

POST

## Request URI

api/v2/attributes/device

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                              | Sample Value                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                     | 1                                                                                 |
| uuids              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>uuids of the devices whose custom attributes to set.                                                                                                               | "136da21e-9e95-4ea2-8b51-343297c58d8b",<br>"ada0e9cd-ca15-49f6-98a8-3d304b83809f" |
| attributes         | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>key-value pairs of the custom attributes to set and the desired values. Null or empty string ("") passed in as the value will remove any existing attribute value. | { "flag1": "true", "flag2" : "false" }                                            |

## Response fields

| Field            | Description                                        |
|------------------|----------------------------------------------------|
| messages         | Container for messages.                            |
| localizedMessage | Localized message with parameters resolved.        |
| messageKey       | Message key.                                       |
| type             | Message type.                                      |
| results          | Container for results.                             |
| deleteCount      | How many values deleted as a result of this call.  |
| assignCount      | How many values assigned as a result of this call. |
| invalidUuids     | List of invalid uuids.                             |

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "uuids": ["136da21e-9e95-4ea2-8b51-343297c58d8b", "ada0e9cd-ca15-49f6-98a8-
3d304b83809f"],
  "attributes": { "flag1": "true", "flag2" : "false" }
}' -XPOST 'https://[Ivanti EPMM]/api/v2/attributes/device?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values set successfully.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.set.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "deleteCount": 0,
    "assignCount": 4,
```

```
"invalidUuids": [ ]  
}  
}
```

## Get custom attributes for a user

This call gets all custom attribute definitions for the user corresponding to the value you send with the uuid parameter.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                      |
|------------------------------------|
| <b>Category:</b> User Management   |
| <b>Role Description:</b> View user |

### HTTP method

GET

### Request URI

api/v2/attributes/user/{uuid}

## Request parameters

| Parameter          | Description                                                                                                                                 | Sample Value                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                        | 1                                    |
| uuid               | <b>Required</b><br><b>Parameter Type:</b> Request path<br><b>Data Type:</b> String<br>uuid of the user whose custom attributes to retrieve. | 5f1db255-8d3d-4943-8bab-d556cacce855 |

## Response fields

| Field                 | Description                                             |
|-----------------------|---------------------------------------------------------|
| messages              | Container for messages.                                 |
| localizedMessage      | Localized message with parameters resolved.             |
| messageKey            | Message key.                                            |
| type                  | Message type.                                           |
| results               | Container for results                                   |
| custom attribute name | Name of custom value attribute and corresponding value. |
|                       | ...                                                     |

## Sample Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti  
EPMM]/api/v2/attributes/user/a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values successfully fetched.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "userString1": "Woof!",
    "userLong1": "42"
  }
}
```

## Set user custom attributes

This call sets user custom attributes.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                              |
|------------------------------------------------------------|
| <b>Category:</b> User Management                           |
| <b>Role Description:</b> Edit custom user attribute values |

## HTTP method

POST

## Request URI

api/v2/attributes/user

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                              | Sample Value                                                                                                                 |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                     | 1                                                                                                                            |
| uuids              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>uuids of the users whose custom attributes to set.                                                                                                                 | "c9d3a454-c1b9-4922-a381-932823d0c0e5",<br>"28df8c43-20e0-44f3-9771-d526cc854e33",<br>"a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5" |
| attributes         | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>key-value pairs of the custom attributes to set and the desired values. Null or empty string ("") passed in as the value will remove any existing attribute value. | "userString1": "Woof!",<br>"userLong1": ""                                                                                   |

## Response fields

| Field            | Description                                        |
|------------------|----------------------------------------------------|
| messages         | Container for messages.                            |
| localizedMessage | Localized message with parameters resolved.        |
| messageKey       | Message key.                                       |
| type             | Message type.                                      |
| results          | Container for results.                             |
| deleteCount      | How many values deleted as a result of this call.  |
| assignCount      | How many values assigned as a result of this call. |
| invalidUuids     | List of invalid uuids.                             |

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "uuids": ["c9d3a454-clb9-4922-a381-932823d0c0e5", "28df8c43-20e0-44f3-9771-
d526cc854e33", "a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5"],
  "attributes": { "userString1": "Woof!", "userLong1" : "" }
}' -XPOST 'https://[Ivanti EPMM]/api/v2/attributes/user?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values set successfully.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.set.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "deleteCount": 3,
    "assignCount": 3,
```

```
    "invalidUuids": [ ]  
  }  
}
```



# Certificate Management

## Export certificate details to a CSV file

Export Certificate Details to CSV: Certificate details export involves several API calls:

- ["Initiate the processing of certificate details to be exported" below:](#)  
GET api/v2/certificates/search\_export
- ["Get status of the export process" on page 523:](#)  
GET api/v2/certificates/search\_export\_status
- ["Download the CSV file" on page 525:](#)  
GET api/v2/certificates/search\_download\_csv

## Initiate the processing of certificate details to be exported

Initiates processing certificate details to query.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                  |
|-----------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                     |
| <b>Role Description:</b> Manage certificates, View certificates |

### HTTP method

POST

## Request URI

api/v2/certificates/search\_export

## Request parameters

| Parameter          | Description                                                                                                                                  | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Body<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.              | 1            |
| ceSettingName      | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Certificate enrollment configuration name. | LccaICE      |

| Parameter         | Description                                                                                                                                                                                                                                                                                                                                                                                                   | Sample Value                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| certificateStatus | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Status of the target certificate.<br><br>Can be one of: <ul style="list-style-type: none"><li>• ACTIVE</li><li>• EXPIRED</li><li>• PENDING_REVOCATION</li><li>• MANUAL_REVOCATION_REQUIRED</li><li>• REVOKED</li><li>• SENT</li><li>• WAITING_SEND</li><li>• GENERATING</li><li>• HIGH_GENERATING</li></ul> | ACTIVE                               |
| userId            | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>User ID associated with the target certificates.                                                                                                                                                                                                                                                                                   |                                      |
| deviceUUID        | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Device uuid associated with the target certificates.                                                                                                                                                                                                                                                                               | 5f1db255-8d3d-4943-8bab-d556cacce855 |

| Parameter     | Description                                                                                                                       | Sample Value                                                                                                                |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| expiresAfter  | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Date<br><br>Gets certificates that are going to expire after this date.  | The values are expressed milliseconds since Unix epoch time.<br><br>Example:<br><br>1785823788000 is epoch time for Tue, 04 |
| expiresBefore | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Date<br><br>Gets certificates that are going to expire before this date. | The values are expressed milliseconds since Unix epoch time.<br><br>Example:<br><br>1785823788000 is epoch time for Tue, 04 |

## Response fields

| Field               | Description                                 |
|---------------------|---------------------------------------------|
| exportStatusPollUrl | URL to get status of the search export.     |
| csvDownloadUrl      | URL to download the CSV file.               |
| messages            | Container for messages.                     |
| type                | Message type.                               |
| messageKey          | Message key.                                |
| localizedMessage    | Localized message with parameters resolved. |
| messageParameters   |                                             |

## Sample Request

```
curl -k -sS -u <userName>:<password> -XPOST -H "Content-Type: application/json" -d '{
  "adminDeviceSpaceId":1,"ceSettingName":"LocalCE","certificateStatus":"ACTIVE"}'
'https://[Ivanti EPMM]/api/v2/certificates/search_export'
```

## Sample Responses

Success:

```
{
  "results": {
    "exportStatusPollUrl": "/api/v2/certificates/search_export_status",
    "csvDownloadUrl": "/api/v2/certificates/search_download_csv"
  },
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.PROCESS_
INITIATED",
      "localizedMessage": "Certificate details export process initiated successfully",
      "messageParameters": [ ]
    }
  ]
}
```

If the process is already initiated:

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.PROCESS_
INITIATED",
      "localizedMessage": "Certificate details export is already progress. It might be
issued by a different user",
      "messageParameters": [ ]
    }
  ]
}
```

## Get status of the export process

This call gets the status of the certificate details export process.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                       |
|----------------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                          |
| <b>Role Description:</b> Manage certificates, view certificates      |
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/certificates/search\_export\_status

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |

## Response fields

| Field                   | Description                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Results                 | Container for results.                                                                                                                                                       |
|                         | Boolean value that indicates whether the audit logs processing is progressing or not.                                                                                        |
|                         | Audit Logs processing status/progress message.<br><br>"success" - If the processing is completed successfully.<br><br>"fail" - If the processing failed due to server error. |
|                         | Path to the CSV file.                                                                                                                                                        |
| isExportStatusAvailable | Is the export progress status available.                                                                                                                                     |

## Sample Request

```
curl -sS -k -u <userName>:<password> -G https://[Ivanti EPMM]/api/v2/certificates/search_export_status?adminDeviceSpaceId=1
```

## Sample Response

```
{
  "results":{"isRunning":false,
  "exportStatusMsg":"success",
  "csvFileName":"/mi/tomcat/temp/certificates-5007291726810485269.csv",
  "isExportStatusAvailable":true,"initiatedAt":1461110928255}
}
```

## Download the CSV file

This call downloads the CSV file.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                       |
|----------------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                          |
| <b>Role Description:</b> Manage certificates, View certificates      |
| <b>Category:</b> Device Management                                   |
| <b>Role Description:</b> View dashboard, device page, device details |

## HTTP method

GET

## Request URI

api/v2/certificates/search\_download\_csv

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |

## Sample Request

```
curl -o output.csv -k -sS -u <userName>:<password> -XGET -H "Content-Type: text/csv" 'https://[Ivanti EPMM]/api/v2/certificates/search_download_csv?adminDeviceSpaceId=1'
```

## Search/Retrieve certificate details

This call returns a list of certificate details.

## Required Roles

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                 |
|----------------------------------------------------------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management<br><b>Role Description:</b> Manage certificates, View certificates |
| <b>Category:</b> Device Management<br><b>Role Description:</b> View dashboard, device page, device details     |

## HTTP method

GET

## Request URI

api/v2/certificates/search

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                            | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator.                                                                                                                                                                                                                                                | 1            |
| ceSettingName      | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>This is the certificate enrollment configuration name.                                                                                                                                                                                                                               | LocalICE     |
| certificateStatus  | <b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>Status of the target certificate.<br><br>Can be one of: <ul style="list-style-type: none"><li>• ACTIVE</li><li>• EXPIRED</li><li>• PENDING_REVOCATION</li><li>• MANUAL_REVOCATION_REQUIRED</li><li>• REVOKED</li><li>• SENT</li><li>• WAITING_SEND</li><li>• GENERATING</li><li>• HIGH_GENERATING</li></ul> | ACTIVE       |

| Parameter     | Description                                                                                                                   | Sample Value                                                                                                                |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| userId        | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>User ID associated with the target certificates.           |                                                                                                                             |
| deviceUUID    | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> String<br>Device uuid associated with the target certificates.       | 5f1db255-8d3d-4943-8bab-d556cacce855                                                                                        |
| expiresAfter  | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Date<br>Gets certificates that are going to expire after this date.  | The values are expressed milliseconds since Unix epoch time.<br><br>Example:<br><br>1785823788000 is epoch time for Tue, 04 |
| expiresBefore | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Date<br>Gets certificates that are going to expire before this date. | The values are expressed milliseconds since Unix epoch time.<br><br>Example:<br><br>1785823788000 is epoch time for Tue, 04 |

## Response fields

| Field               | Description                                    |
|---------------------|------------------------------------------------|
| results             | An array of certificate objects.               |
| id                  |                                                |
| serialNumber        |                                                |
| type                |                                                |
| trash               |                                                |
| expiredAt           |                                                |
| createdAt           |                                                |
| userId              |                                                |
| deviceId            |                                                |
| deviceUuid          |                                                |
| localCAId           |                                                |
| ceSettingName       |                                                |
| certificateStatus   |                                                |
| celd                |                                                |
| consumerAppSettings |                                                |
| messages            | Container for messages.                        |
| type                | Message type.                                  |
| messageKey          | Message key.                                   |
| localizedMessage    | Localized message with parameters resolved.    |
| messageParameters   |                                                |
| resultCount         | The number of entries that are being returned. |

## Sample request and response

### Request

```
curl -k -sS -u userName:<password> -XPOST -H "Content-Type: application/json" -d '{
  "adminDeviceSpaceId":1,"ceSettingName":"LocalCE","certificateStatus":"ACTIVE"}'
'https://[Ivanti EPMM]/api/v2/certificates/search'
```

### Response

```
{
  "results": [
    {
      "id": 2,
      "serialNumber": 102,
      "type": "Centralized",
      "trash": true,
      "expiredAt": "2017-04-18",
      "createdAt": "2016-04-18",
      "userId": 9002,
      "deviceId": 1,
      "deviceUUid": null,
      "localCAId": 3,
      "ceSettingName": "LocalCE",
      "certificateStatus": "ACTIVE",
      "ceId": 8,
      "consumerAppSettings": [
        8
      ]
    },
    ...
  ],
  "messages": [
    {
      "type": "Info",
      "messageKey":
        "com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.SUCCESS",
    }
  ]
}
```

```
    "localizedMessage": "Certificates successfully retrieved",
    "messageParameters": [ ]
  }
],
"resultCount": 6
}
```

## Managing user certificates

You use the following calls to:

- Upload user-provided certificates
- Delete user-provided certificates
- Get list of user provided certificate enrollment ID information with associated certificate details
- Get list of all user provided certificate enrollment IDs' information with associated certificate details.

## Error checking and validation

- Ivanti EPMM will display an error message warning when a configuration is created without a private key password for configurations used by iOS\_MDM\_OTA, Android for Work and Windows. These configurations require a private key password and will not work without one.
- Ivanti EPMM verifies the file type of user-provided certificates, generates an error message popup and does not save the file if it is not a valid PKCS#12.
- Ivanti EPMM verifies if the supplied Certificate Enrollment ID (CEid) is a valid user provided configuration and generates an error message if it is not.
- Ivanti EPMM verifies if the supplied userId is a valid user principal and generates an error message if it is not.
- Ivanti EPMM will display an error message with response code 410 if the V1 API for managing user-provided certificates is used.

## Upload user-provided certificate

Use this call to upload a user-provided certificate.

**Note:** Only upload version 3 and above certificates. If you upload version 2 or below certificates, then you may encounter issues when using Ivanti EPMM. User-provided certificates can only contain one private key. Uploaded PKCS#12 files containing more than one private key are not supported and will not work. You must repackage these certificates so the PKCS#12 file contains only one private key used to generate the certificate for the intended use.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

## HTTP method

POST

## Request URI

/api/v2/configuration/CE/USER\_PROVIDED/{CEid}/uploadCertificate

## Request parameters

| Parameter | Description                                                                                                                                                                                                                                   | Sample Value                                      |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| CEid      | <b>Required</b><br><br><b>Parameter Type:</b><br>Query path<br><br><b>Data Type:</b> String<br><br>Internal certificate ID<br><br>To find the value for CEid, use the call, " <a href="#">Get CE configuration information</a> " on page 555. | 10                                                |
| file      | <b>Required</b><br><br><b>Parameter Type:</b><br>Request payload<br><br><b>Data Type:</b> Multi-part file<br><br>The location of the certificate p12 file                                                                                     | @//Users/patluri/Downloads/MIQAMDMPProduction.p12 |
| principal | <b>Required</b><br><br><b>Parameter Type:</b><br>Request payload<br><br><b>Data Type:</b> String<br><br>Username of the certificate owner<br><br>See the note below about usernames containing special characters.                            | -F principal='theadmin'                           |

| Parameter | Description                                                                                                                                                                                                                         | Sample Value              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| password  | <b>Required</b><br><br><b>Parameter Type:</b><br>Request payload<br><br><b>Data Type:</b> Form-encoded string.<br><br>Password for the user-provided certificate.<br>Optional if you are not unloading a user-provided certificate. | -F password='xyzsdmobile' |

## Response fields

| Field            | Description                                 |
|------------------|---------------------------------------------|
| messages         | Container for messages.                     |
| type             | Message type.                               |
| messageKey       | Message key.                                |
| localizedMessage | Localized message with parameters resolved. |

## Sample Request

```
curl -sS -v -k -u <password> 'https://[Ivanti EPMM]/api/v2/configuration/CE/USER_PROVIDED/10/uploadCertificate' -X POST -F  
file=@//Users/patluri/Downloads/MIQAMDMPProduction.p12 -F password='xyzsdmobile' -F  
principal='theadmin'
```

## Sample Response

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCESS_UPLOAD",
      "localizedMessage": "Certificate successfully uploaded."
    }
  ]
}
```

## Delete user-provided certificates

Use this call to delete a user-provided certificate.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

### HTTP method

POST

### Request URI

api/v2/configuration/CE/USER\_PROVIDED/{CEid}/deleteCertificate

## Request parameters

| Parameter | Description                                                                                                                             | Sample Value                 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| CEid      | <b>Required</b><br><br><b>Parameter Type:</b> Query path<br><br><b>Data Type:</b> String<br><br>Internal certificate ID.                | 10                           |
| userId    | <b>Required</b><br><br><b>Parameter Type:</b> Request payload<br><br><b>Data Type:</b> String<br><br>Username of the certificate owner. | d '{"userId":<br>"theadmin"} |

## Response fields

| Field            | Description                                 |
|------------------|---------------------------------------------|
| type             | Message type.                               |
| messageKey       | Message key.                                |
| localizedMessage | Localized message with parameters resolved. |

## Sample Request

```
curl -k -sS -u <username>:<password> -XPOST -H "Content-Type: application/json"  
'https://[Ivanti EPMM]/api/v2/configuration/CE/USER_PROVIDED/10/deleteCertificate' -d '  
{"userId": "theadmin"}'
```

## Sample Response

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCE
SS_DELETE_PRIVATE_KEY",
      "localizedMessage": "Successfully deleted private key from certificate."
    }
  ]
}
```

## Get list of user provided certificate enrollment ID information with associated certificate details

This call gets a list of user provided certificate enrollment ID information with associated certificate details.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

### HTTP method

POST

### Request URI

api/v2/configuration/CE/USER\_PROVIDED/{CEid}/getCertificate

## Request parameters

| Parameter | Description                                                                                                                             | Sample Value                   |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| CEid      | <b>Required</b><br><br><b>Parameter Type:</b> Query path<br><br><b>Data Type:</b> String<br><br>Internal certificate ID.                | 10                             |
| userId    | <b>Required</b><br><br><b>Parameter Type:</b> Request payload<br><br><b>Data Type:</b> String<br><br>Username of the certificate owner. | -d '{"userId":<br>"theadmin"}' |

## Response fields

| Field            | Description                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------|
| results          | Container for results. Results are an array of the fields shown in the sample response below. |
| messages         | Container for messages.                                                                       |
| type             | Message type.                                                                                 |
| messageKey       | Message key.                                                                                  |
| localizedMessage | Localized message with parameters resolved.                                                   |

## Sample Request

```
curl -k -sS -u <username>:<password> -XPOST -H "Content-Type: application/json"  
'https://[Ivanti EPMM]/api/v2/configuration/CE/USER_PROVIDED/10/getCertificate' -d '  
{"userId": "theadmin"}'
```

## Sample Response

```
{  
  "results": {  
    "id": null,
```

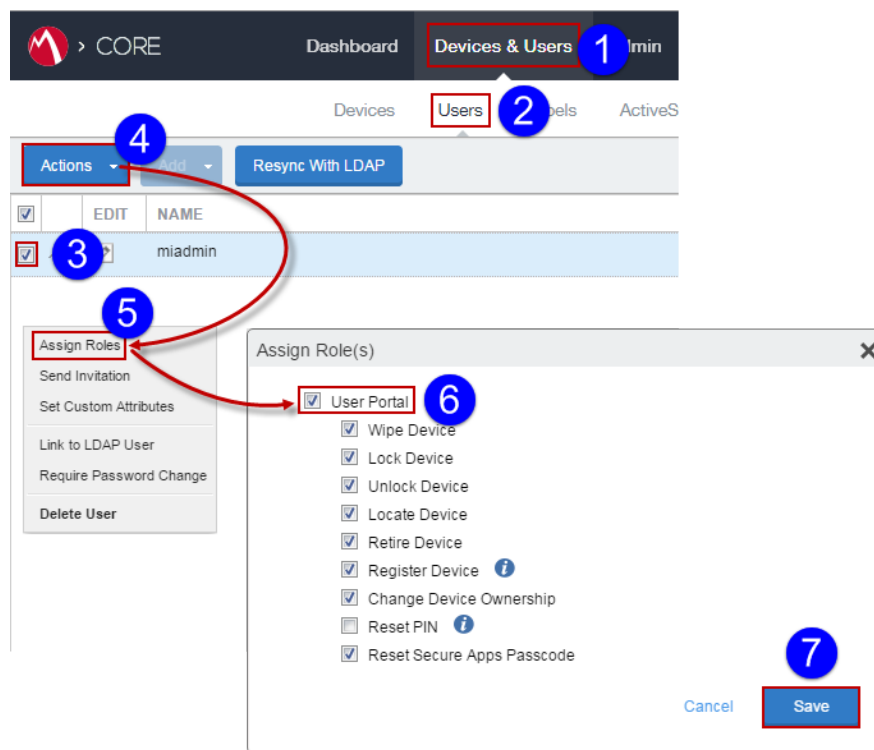
```
    "version": "3",
    "serialNumber": "xxx4493327816883622",
    "signatureAlgorithm": "SHA256WITHRSA",
    "issuer": "C=US, O=Apple Inc., OU=Apple Certification Authority, CN=Apple Application
Integration 2 Certification Authority",
    "notBefore": 1573162384000,
    "notAfter": 1604698384000,
    "subject": "C=US, CN=APSP:9c3811ce-0ff0-4272-be0b-2df8f1f85bb5,
UID=com.apple.mgmt.External.9c3811ce-0ff0-4272-be0b-2df8f1f85bb5",
    "subjectAltNames": null,
    "cert": null,
    "certType": null,
    "alias": null,
    "certData": null,
    "createdAt": null,
    "modifiedAt": null,
    "commonName": "APSP:xxx811ce-0ff0-4272-be0b-2df8f1f85bb5",
    "iPhoneUID": null,
    "iPhoneDevelopmentAPNSCert": false,
    "identity": false,
    "validTimeLine": false
  },
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCE
SS_GET_CERTIFICATE",
      "localizedMessage": "Certificate successfully retrieved."
    }
  ]
}
```

## Get list of all user provided certificate enrollment IDs' information with associated certificate details.

This call gets a list of all user provided certificate enrollment IDs information with associated certificate details.

### Required Roles

You need to have access to the User Portal for this call.



### HTTP method

POST

### Request URI

api/v2/configuration/CE/USER\_PROVIDED/all/getAllUserProvidedCertificateDetails

## Request parameters

| Parameter | Description                                                                                                                             | Sample Value                |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| userId    | <b>Required</b><br><br><b>Parameter Type:</b> Request payload<br><br><b>Data Type:</b> String<br><br>Username of the certificate owner. | -d '{"userId": "theadmin"}' |

## Response fields

| Field            | Description                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------|
| results          | Container for results. Results are an array of the fields shown in the sample response below. |
| messages         | Container for messages.                                                                       |
| type             | Message type.                                                                                 |
| messageKey       | Message key.                                                                                  |
| localizedMessage | Localized message with parameters resolved.                                                   |

## Sample Request

```
curl -k -sS -u <username>:<password> -XPOST -H "Content-Type: application/json" 'https://[Ivanti EPMM]/api/v2/configuration/CE/USER_PROVIDED/all/getAllUserProvidedCertificateDetails' -d '{"userId": "theadmin"}'
```

## Sample Response

```
{
  "results": [
    {
      "ceId": 10,
      "certificateId": 11,
      "requirePassword": true,
      "displayName": "testUserProv",
      "certificateExpirationDate": 1604698384000,
    }
  ]
}
```

```
"certificateUploadedDate": 1577964355000,
"isPkcs12": true
},
],
"messages": [
{
  "type": "Info",
  "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCE
SS_GET_CE_DETAILS",
  "localizedMessage": "User provided certificate enrollment details successfully
retrieved."
}
]
}
```

## Revoke certificates belonging to external certificate enrollment

Revoking certificates involves the following calls:

- ["Determine if certificate revocation is in progress" below](#)  
GET api/v2/certificateCheckJob/attemptRevokeForPendingRevocation/status
- ["Revoke certificates" on the next page](#)  
POST api/v2/certificateCheckJob/attemptRevokeForPendingRevocation

### Determine if certificate revocation is in progress

This call returns information about whether certificate revocation is already in progress.

#### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                  |
|-----------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                     |
| <b>Role Description:</b> Manage certificates, View certificates |

## HTTP method

GET

## Request URI

api/v2/certificateCheckJob/attemptRevokeForPendingRevocation/status

## Sample request

```
curl -k -sS -u <username>:<password> -XGET 'https://[Ivanti  
EPM] /api/v2/certificateCheckJob/attemptRevokeForPendingRevocation/status'
```

## Sample responses

```
Pending revocation certs are not being processed.
```

```
Pending revocation certs are being processed. Total duration so far 76 Seconds
```

## Revoke certificates

This calls attempts to revoke certificates belonging to external certificate enrollment.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                  |
|-----------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                     |
| <b>Role Description:</b> Manage certificates, View certificates |

## HTTP method

POST

## Request URI

api/v2/certificateCheckJob/attemptRevokeForPendingRevocation

## Response fields

| Field            | Description                                 |
|------------------|---------------------------------------------|
| messages         | Container for response.                     |
| type             | Message type.                               |
| messageKey       | Message key.                                |
| localizedMessage | Localized message with parameters resolved. |

## Sample Request

```
curl -k -sS -u <username>:<password> -XPOST 'https://[Ivanti  
EPMM]e/api/v2/certificateCheckJob/attemptRevokeForPendingRevocation'
```

## Sample Response

```
{  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey": "com.mobileiron.vsp.messages.http.200",  
      "localizedMessage": "Success"  
    }  
  ]  
}
```

## Get SCEP configuration information

This call gets SCEP configuration information for the provided sub-type.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

## HTTP method

GET

## Request URI

api/v2/configuration/SCEP/{appsubtype}/summary

## Request parameters

| Parameter  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sample Value  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| appsubtype | <p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> String</p> <p>The sub-type about which to fetch information.</p> <p>Can be:</p> <ul style="list-style-type: none"><li>• BLUE_COAT</li><li>• CLIENT_PROVIDED</li><li>• USER_PROVIDED</li><li>• ENTRUST</li><li>• GLOBAL_SIGN,LOCAL</li><li>• OPEN_TRUST</li><li>• SCEP,SINGLE_FILE_IDENTITY</li><li>• SYMANTEC_MANAGED_PKI</li><li>• SYMANTEC_WS_MANAGED_PKI</li></ul> | USER_PROVIDED |

## Response fields

| Field       | Description |
|-------------|-------------|
| results     |             |
| name        |             |
| value       |             |
| appType     |             |
| appSubType  |             |
| rowType     |             |
| resultCount |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/configuration/SCEP/USER_PROVIDED/summary'
```

## Sample response

```
{"results":
  [
    {
      "name": "user-provided",
      "value": "10",
      "appType": "SCEP",
      "appSubType": "USER_PROVIDED",
      "rowType": "ADMIN"
    }
  ],
  "resultCount": 1
}
```

## Change SCEP challenge password

This call changes the SCEP configuration challenge password.

## Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                    |
|-------------------------------------------------------------------|
| <b>Category:</b> Configuration Management                         |
| <b>Role Description:</b> Manage configuration, View configuration |

## HTTP method

POST

## Request URI

api/v2/configuration/SCEP/SCEP/{id}/challenge

## Request parameters

| Parameter | Description                                                                                                                                                    | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| id        | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>The id of the SCEP configuration whose challenge password to change. | 1            |
| -d        | <b>Required</b><br><br><b>Parameter Type:</b> Request body<br><br><b>Data Type:</b> String<br><br>The new password.                                            | 123hjk       |

## Sample request

```
curl -k -sS -i -u <username>:<password> -H "Content-Type: text/plain" -XPOST 'https://[Ivanti EPMM]/api/v2/configuration/SCEP/SCEP/1/challenge' -d "123hjk"
```

## Verify Ivanti EPMM/SCEP Connectivity

This call verifies Ivanti EPMM/SCEP connectivity by retrieving a test certificate for an Identity Certificate configuration.

## Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                    |
|-------------------------------------------------------------------|
| <b>Category:</b> Configuration Management                         |
| <b>Role Description:</b> Manage configuration, View configuration |

## HTTP method

GET

## Request URI

api/v2/configuration/CE/issue\_test\_certificate

## Request parameters

| Parameter          | Description                                                                                                                                                                                      | Sample Value   |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                             | 1              |
| ceConfigName       | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Name of the Identity Certificate configuration for which to fetch the certificate.                                | Test Scep      |
| email              | <b>Optional</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> String<br>Email address to use as the subject of the certificate rather than the default value of testuser@yourcompany.com. | test1@test.com |

## Sample request

```
curl -u username:password --location --request GET 'https://[Ivanti  
EPMM]/api/v2/configuration/CE/issue_test_  
certificate?email=test1@test.com&adminDeviceSpaceId=1&ceConfigName=Test Scep'
```

## Sample response

```
{
  "results": {
    "certificate": " [0] Version: 3
    SerialNumber: 101
    IssuerDN: CN=LOCAL CA
    Start Date: Wed Feb 16 05:50:05 UTC 2022
    Final Date: Fri Feb 17 05:50:05 UTC 2023
    SubjectDN: OU=appSetting:[CONSUMER_UUID], CN=testuser@yourcompany.com
    Public Key: RSA Public Key
[xx:xx:0c:29:68:08:6c:a9:9c:07:12:ba:10:ba:5c:6c:bc:aa:a3], [56:66:d1:a4]
    modulus:
xxxxx3a59de98137ff762d79d2d704434debc57ba428abd4e137bc0cd1f2f14e0b8de27e89daa242bb3c395b
453392195ba4210ea88a7c7c8b501f65dc8f68d5e2f75350656da49b624ce169e7e067d886b49fb70d69825d
adfe43f489f2f5344954f90097b9fc2c1708c4c9859806fb6a9637495a911172e244ec2aa4a3897534a61c03
23a96d365f5e95b742c9119e6bb1081a086b1f29ecb2aea91987326a4b9b1faeb9ee15767ebe4afc70021545
060ef08f4e6febb638a6750d828577999bd6f56b283cd7926304d6828442ae312fe2b8b579a7a14849a1065f
7297efff5cb0cbb99d6910f2e648e4212123cb872afef3ac412505f9307136f1690c581d
    public exponent: 10001

    Signature Algorithm: SHA384WITHRSA
    Signature: xxxxx9455327837fc0587d6cadd85c6973aec817
550013c4afcfbd343874142c1128ec87ed936ad1
0cc5cade6767d5a25ef164d9992c68cc6c981c86
4a689efe43db09e51b4e7a8ab01d6e71c6065256
9228749be091f9950b74b9cb502890c8ae1c6f50
0be04d0986f9aafea016b17423d54fbdda0d7725
f5b54dc1aedc3100bcd0ddec9654a0edc8b10bca
a1d4f330b4ce6c4c514f0d6bfff77608a37082e89
9c6594555003fe54b755a7a20f13b1ebda7ff0ce
77ed58372c02de3bbb0db17f52c56e72c7067803
017fcd91063d6388e1e4d925dd92dec3c2333741
bc579ad3fe5a95a1081fad4e3f57696259f8b574
6b21411e090c1ef9f67e42b14b0c811b6927e579
3c4c83b386d3158cc0ad67b271c19abcda7539af
edcf91c71eb72a7c9ac706aee39d7c5b3b04e142
2c1f321be8bd51595438f51falcac2db01da6db2
dedaa79623184f6694851397cd42eb46aa257e92
043f52f29450d92e0a92434f1baa8c374d9b58f5
b162d8e5d113ddbfbfd004c524b246317b431789
d4161a62
    Extensions:
critical(false) 2.5.29.35 value = Sequence
Tagged [0] IMPLICIT
DER Octet String[20]
Tagged [1]
Tagged [4]
DER Sequence
DER Set
DER Sequence
ObjectIdentifier(2.5.4.3)
UTF8String(LOCAL CA)
Tagged [2] IMPLICIT
DER Octet String[8]

critical(false) 2.5.29.14 value = DER Octet String[20]

critical(true) BasicConstraints: isCa(false)
critical(true) 2.5.29.37 value = Sequence
ObjectIdentifier(1.3.6.1.5.5.7.3.2)

critical(true) KeyUsage: 0xa0
critical(false) 2.5.29.31 value = Sequence
```

```

Sequence
Tagged [0]
Tagged [0]
Tagged [6] IMPLICIT
DER Octet String[56]

critical(false) 1.3.6.1.5.5.7.1.1 value = Sequence
Sequence
ObjectIdentifier(1.3.6.1.5.5.7.48.2)
Tagged [6] IMPLICIT
DER Octet String[56]

",
"pem": "-----BEGIN CERTIFICATE-----
MIIEIxxxxx6gAwIBAgIBZTANBgkqhkiG9w0BAQwFADATMREwDwYDVQDDAhMT0NB
TCBDQTAEfw0yMjAyMTYwNTUwMDVaFw0yMzAyMTcwNTUwMDVaMEGxITAfBgNVBAMM
GHRlc3Rlc2VyQHlvdXJjb2lwYW55LmNvbTEjMCEGA1UECwwaYXBwU2V0dGluZzpb
Q09OU1VNRVJfVWVJRf0wggeiMA0GCSqGSIB3DQEBAQUAA4IBDwAwggEKAoIBAQC9
gl0lnemBN/92LXnS1wRDTevFe6Qoq9ThN7wM0fLxTguN4n6J2qJCuzw5W0Uzkh1b
pCEOqIp8fItQH2Xcj2jV4vdTUGVtpJttiTOFp5+Bn2Ia0n7cNaYJdrf5D9Iny9TRJ
VPkAl7n8LbcIxMmFmAb7apY3SVqREXLiROwqpKOJdTsmHAMjqW02X16Vt0LJEZ5r
sQgaCGsfKeyyrqkZhZJqS5sfrnuFXZ+vkr8cAIVRQY08I9Ob+u2OKZ1DYKfd5mb
lvVrKDzXkmMEloKEQq4xL+K4tXmnoUhJoQZfcpfv/lywy7mdaRDy5kjkISEjy4cq
/vOsQSUF+TBxNvFpDFgdAgMBAAGjggE+MIIBOjBCBgNVHSMEOzA5gBSd8wHqH7wS
k4tFRjDRqpDNrr2Z8aEXpBUwEzERMA8GA1UEAwwITE9DQUwgQ0GCCe1EMNOHwldZ
MB0GA1UdDgQWBRRZSv2PG8Ox7Yiej4P3yNmJg5K2gjAMBgNVHRMBAf8EAjAAMBYG
A1UdJQEBAwQMAoGCCsGAQUFBwMCMA4GA1UdDwEB/wQEAwIFoDBJBgNVHR8EQjBA
MD6gPKA6hjhodHRwOi8vZWFWcDQ2NS5hdXRvLm1vYmlsZWlyb24uY29tOjgwODAv
bWlmcy9jYS81L2NhLmNybDBUBGgrBgEFBQcBAQRIMEYwRAYIKwYBBQUHMAKGOGh0
dHA6Ly91YXBwNDY1LmFldG8ubW9iaWxlaXJvbi5jb206ODA4MC9taWZzL2NhLzUv
Y2EuY2VyMA0GCSqGSIB3DQEBAQUAA4IBgQCCqC5lFUyeDf8BYfWyt2Fxp67IF1UA
E8Svz700OHQULBEo7Iftk2rRDMXK3mdn1aJe8WTZmSxozGyYHI2KaJ7+Q9sJ5RtO
eoqWHW5xxgZSVpIodJvgkfmVC3S5y1AokMiuHG9QC+BNCYb5qv6gFrF0I9VPvdoN
dyXltU3BrtwxALzQ3eyWVKDtyLELyqHU8zC0zmxMUU8Na/93YIo3CC6JnGWUVVAD
/1S3VaeiDxOx69p/8M537Vg3LALeO7sNsX9SxW5yxwZ4AwF/zZEGPWOI4eTzJd2S
3sPCMzdBvFea0/5alaEIH61OP1dpYln4tXRrIUeEcQwe+fZ+QrFLDIEbaSfleTxM
g7OG0xWMwKlnsnHBmrzadTmv7c+Rxx63Knyaxwau4518WzsE4UISHzIb6L1RWVQ4
9R+hysLbAdptst7ap5YjGE9mlIUTl81C60aqJX6SBD9S8pRQ2S4KkkNPG6qMN02b
WPWxYtjlORPdv7/QBMUkskYxe0MXidQWGMi=
-----END CERTIFICATE-----"
},
"messages": [
{
"type": "Info",
"messageKey":
"com.mobileiron.vsp.messages.certificates.issue.test.certificate.success",
"localizedMessage": "Successfully issued a test certificate for the provided
configuration."
}
]
}

```

## Get CE configuration information

This call gets Certificate Enrollment (CE) configuration information for the provided sub-type.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                  |
|-----------------------------------------------------------------|
| <b>Category:</b> Logs and Events Management                     |
| <b>Role Description:</b> Manage certificates, View certificates |

## HTTP method

GET

## Request URI

api/v2/configurations/CE/{caprotocol}/configurations

## Request parameters

| Parameter  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sample Value  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| caprotocol | <p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> String</p> <p>The sub-type about which to fetch information.</p> <p>Can be:</p> <ul style="list-style-type: none"><li>• BLUE_COAT,</li><li>• CLIENT_PROVIDED,</li><li>• USER_PROVIDED,</li><li>• ENTRUST,</li><li>• GLOBAL_SIGN,LOCAL,</li><li>• OPEN_TRUST,</li><li>• SCEP,SINGLE_FILE_IDENTITY,</li><li>• SYMANTEC_MANAGED_PKI,</li><li>• SYMANTEC_WS_MANAGED_PKI</li></ul> | USER_PROVIDED |

## Response fields

| Field       | Description |
|-------------|-------------|
| results     |             |
| name        |             |
| value       |             |
| appType     |             |
| appSubType  |             |
| rowType     |             |
| resultCount |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/configurations/CE/USER_PROVIDED'
```

## Sample response

```
{"results":
  [
    {
      "name": "user-provided",
      "value": "10",
      "appType": "SCEP",
      "appSubType": "USER_PROVIDED",
      "rowType": "ADMIN"
    }
  ],
  "resultCount": 1
}
```

## Search for users without certificates

This call searches for users without certificates.

## Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

## HTTP method

POST

## Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search

## Request parameters

| Parameter | Description                                                                                                                                  | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| CEID      | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>The id of the certificate enrollment configuration | 32           |

## Response fields

| Field            | Description |
|------------------|-------------|
| results          |             |
| id               |             |
| principal        |             |
| displayName      |             |
| firstName        |             |
| lastName         |             |
| emailAddress     |             |
| messages         |             |
| type             |             |
| messageKey       |             |
| localizedMessage |             |
| resultCount      |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XPOST 'https://[Ivanti EPMM]/api/v2/configurations/CE/32/users/withnocerts/search'
```

## Sample response

```
{
  "results": [
    {
      "id": 9001,
      "principal": "miadmin",
      "displayName": "miadmin",
      "firstName": null,
      "lastName": null,
      "emailAddress": "miadmin@mobileiron.com"
    }
  ]
}
```

```
    }
  ],
  "messages": [
    {
      "type": "Info",

      "messageKey": "com.mobileiron.vsp.rest.controllers.UserAndDeviceSummaryController.Messages.SUCCESS_GET_USERS_DETAILS",
      "localizedMessage": "User details successfully retrieved."
    }
  ],
  "resultCount": 1
}
```

## Export summary for users without certificates

This call exports the summary for users without certificates.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

### HTTP method

POST

### Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search\_export

## Request parameters

| Parameter | Description                                                                                                                                  | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| CEID      | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>The id of the certificate enrollment configuration | 10           |

## Response fields

| Field               | Description |
|---------------------|-------------|
| results             |             |
| exportStatusPollUrl |             |
| csvDownloadUrl      |             |
| messages            |             |
| type                |             |
| messageKey          |             |
| localizedMessage    |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XPOST 'https://[Ivanti  
EPMM]/api/v2/configurations/CE/10/users/withnocerts/search_export'
```

## Sample response

```
{  
  "results": {  
    "exportStatusPollUrl": "/api/v2/configurations/CE/9/users/withnocerts/search_export_  
status",  
    "csvDownloadUrl": "/api/v2/configurations/CE/9/users/withnocerts/search_download_csv"  
  },  
}
```

```
"messages": [  
  {  
    "type": "Info",  
    "messageKey":  
    "com.mobileiron.vsp.rest.controllers.UserAndDeviceSummaryController.Messages.PROCESS_  
    INITIATED",  
    "localizedMessage": "User details export process initiated successfully."  
  }  
]  
}
```

## Export status summary for users without certificates

This call exports the status summary for users without certificates.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

### HTTP method

POST

### Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search\_export\_status

## Request parameters

| Parameter | Description                                                                                                                                  | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| CEID      | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>The id of the certificate enrollment configuration | 10           |

## Response fields

| Field                   | Description |
|-------------------------|-------------|
| results                 |             |
| isRunning               |             |
| exportStatusMsg         |             |
| csvFileName             |             |
| isExportStatusAvailable |             |
| initiatedAt             |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XPOST 'https://[Ivanti EPMM]/api/v2/configurations/CE/10/users/withnocerts/search_export_status'
```

## Sample response

```
{
  "results": {
    "isRunning": false,
    "exportStatusMsg": "success",
    "csvFileName": "/mi/tomcat/temp/userdetails-3531617505787171123.csv",
    "isExportStatusAvailable": true,
    "initiatedAt": 1503354251055
  }
}
```

```
}  
}
```

## Download summary for users without certificates

This call downloads the user summary for users without certificates.

### Required Roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                        |
|--------------------------------------|
| <b>Category:</b> User Management     |
| <b>Role Description:</b> Manage user |

### HTTP method

GET

### Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search\_download\_csv

### Request parameters

| Parameter | Description                                                                                                                                  | Sample Value |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| CEID      | <b>Required</b><br><br><b>Parameter Type:</b> Path<br><br><b>Data Type:</b> Number<br><br>The id of the certificate enrollment configuration | 10           |

## Sample request

```
curl -o output.csv -k -sS -u <username>:<password> -XGET -H "Content-Type: text/csv"
'https://[Ivanti EPMM]/api/v2/configurations/CE/10/users/withnocerts/search_download_
csv'
```

# Feature Usage

Feature usage reports contain global and per device premium feature usage. There is no personally identifiable information in the reports. Devices and users are identified only by their internal UUIDs. Feature usage reports run automatically every Monday morning at 00:00:00 GMT. Ivanti EPMM keeps the last 25 weekly reports available for download.

## Get API feature usage history

This API returns the list of all available report data file names. These file names can be used in the datafile parameter for feature usage API. The result is reverse sorted by job execution time (latest job first).

### Required Role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                           |
|---------------------------------------------------------|
| <b>Category:</b> Other Roles                            |
| <b>Role Description:</b> View device feature usage data |

### HTTP method

GET

### Request URI

api/v2/featureusage\_history

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                   | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The effective device space ID to become when searching for devices, to which the user must belong to search for devices. The feature usage data contains entries for all active devices, which requires the user be a member of the Global space. Global space is always 1.</p> | 1            |

## Response fields

| Field        | Description                                         |
|--------------|-----------------------------------------------------|
| totalCount   | The total number of entries that the query matched. |
| resultCount  | The number of entries that are being returned.      |
| hasMore      | Indicates that there are more entries available.    |
| results      | Results container.                                  |
| dataFileName | The name of the feature usage data file.            |
| dataFileDate | The timestamp of the feature usage data file.       |

## Sample request and response

### Request

```
curl -X GET -u <userName>:<password> "https://[Ivanti EPMM]/api/v2/featureusage_history?adminDeviceSpaceId=1"
```

### Response

```
{
```

```
"totalCount": 1,
"resultCount": 1,
"hasMore": false,
"results": [
  {
    "dataFileName": "manual220.auto.mobileiron.com_20160807000000",
    "dataFileDate": "2016-08-07 00:00:00"
  }
]
```

## Get API feature usage

This API returns the contents of the specified feature usage data file. If no data file is specified, the call returns the latest file contents.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                           |
|---------------------------------------------------------|
| <b>Category:</b> Other Roles                            |
| <b>Role Description:</b> View device feature usage data |

### HTTP method

GET

### Request URI

api/v2/featureusage

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                            | Sample Value                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>The effective device space ID to become when searching for devices, to which the user must belong to search for devices. The feature usage data contains entries for all active devices, which requires the user be a member of the Global space. Global space is always 1. | 1                                         |
| format             | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br><b>Default:</b> json<br><br>This specifies the return data format of the feature usage report. The default format is JSON. CSV format may also be requested by setting "format=csv".                                                                                                               | csv                                       |
| datafile           | <b>Parameter Type:</b> Query<br><br><b>Data Type:</b> String<br><br>This specified the name of the feature report data file. If this parameter is not set, the last run feature report file will be returned.                                                                                                                                                          | app993.auto.mobileiron.com_20160411182400 |

## Response fields

| Field                          | Description                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ivanti EPMM Information Fields |                                                                                                                                      |
| coreFQDN                       | The external Ivanti EPMM FQDN.                                                                                                       |
| coreVersion                    | The Ivanti EPMM version at the time the report was created.                                                                          |
| coreLicenseKey                 | This is a placeholder field to be used at a later time.                                                                              |
| reportRun                      | The UTC timestamp indicating when the report was created.                                                                            |
| featuresGlobal Fields          |                                                                                                                                      |
| userPortalCertAuth             | Self service portal certificate authentication is enabled.                                                                           |
| helplos                        | Help@Work for iOS is enabled.                                                                                                        |
| helpAndroid                    | Help@Work for Android is enabled.                                                                                                    |
| featuresDevices Fields         |                                                                                                                                      |
| deviceUUID                     | The internal unique identifier for the device.                                                                                       |
| userUUID                       | The internal unique identifier for the user.                                                                                         |
| registeredAt                   | The UTC timestamp of when the device was registered.                                                                                 |
| platform                       | The operating system of the device.                                                                                                  |
| featureAppConnect              | Indicates if one or more AppConnect configurations are associated with the device.                                                   |
| featureDocs                    | Indicates if one or more Docs@Work configurations are associated with the device.                                                    |
| featureDocsAC                  | Indicates if one or more Exchange configurations containing a Sentry with attachment control enabled are associated with the device. |
| featureWeb                     | Indicates if one or more Web@Work configurations are associated with the device.                                                     |
| featureTunnel                  | Indicates if one or more VPN configurations containing a Ivanti Tunnel connection type are associated with the device.               |
| featureIdentity                | Indicates if one or more Single Sign-On Account configurations are associated with the device.                                       |

## Sample requests and response

### Requests

```
curl -X GET -u <userName>:<password> "https://[Ivanti  
EPMM]/api/v2/featureusage?adminDeviceSpaceId=1"
```

```
curl -X GET -u <userName>:<password> "https://[Ivanti  
EPMM]/api/v2/featureusage?format=csv&datafile=app993.auto.mobileiron.com_  
20160411182400&adminDeviceSpaceId=1"
```

### Response to first example

```
{  
  "coreFQDN": "manual220.auto.mobileiron.com",  
  "coreVersion": "9.1",  
  "coreId": "fd1caa40-3491-4b27-b721-f82763f67967",  
  "coreLicenseKey": "demo-key",  
  "reportRun": "2016-08-07 00:00:00",  
  "featuresGlobal": {  
    "userPortalCertAuth": false,  
    "helpIos": true,  
    "helpAndroid": false  
  },  
  "featuresDevices": [  
    {  
      "deviceUUID": "337f198a-f1bf-43a9-bc5e-09965e2a7124",  
      "userUUID": "00b92e54-3374-469e-9996-b724b45a848a",  
      "registeredAt": "2016-08-06 19:11:34",  
      "platform": "Windows Phone 8",  
      "featureAppConnect": "false",  
      "featureDocs": "false",  
      "featureDocsAC": "false",  
      "featureWeb": "false",  
      "featureTunnel": "true",  
      "featureIdentity": "false"  
    },  
  ],  
}
```

```
....  
{  
  "deviceUUID": "7152a6bd-fc0e-4b42-85f7-2fcfee07f69a",  
  "userUUID": "feb58faa-e52c-4e80-a9bf-5b11d9d15b6d",  
  "registeredAt": "2016-08-06 06:08:01",  
  "platform": "iOS",  
  "featureAppConnect": "false",  
  "featureDocs": "true",  
  "featureDocsAC": "false",  
  "featureWeb": "false",  
  "featureTunnel": "false",  
  "featureIdentity": "false"  
}  
]  
}
```

# Compliance Actions

## List all compliance actions

Gets a list of existing compliance actions.

### Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                  |
|-------------------------------------------------|
| <b>Category:</b> Compliance Policy Management   |
| <b>Role Description:</b> View compliance policy |

### HTTP method

GET

### Request URI

api/v2/compliance\_action

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field                | Description |
|----------------------|-------------|
| results              |             |
| id                   |             |
| name                 |             |
| localCompliancefalse |             |
| createdAt            |             |
| modifiedAt           |             |
| tiers                |             |
| delay                |             |
| complianceSettings   |             |
| wipe                 |             |
| quarantine           |             |
| block                |             |
| alert                |             |
| quarantineSettings   |             |
| removeWifi           |             |
| removeConfigurations |             |
| excludeWifiOnly      |             |
| removeApps           |             |
| totalCount           |             |
| resultCount          |             |

## Sample request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/compliance_action?adminDeviceSpaceId=1'
```

## Sample response

```
{
  "results": [
    {
      "id": 2,
      "name": "Block Email, AppConnect apps, and Send Alert",
      "localCompliance": false,
      "createdAt": 0,
      "modifiedAt": 0,
      "tiers": [
        {
          "delay": "PT0S",
          "complianceSettings": {
            "wipe": false,
            "quarantine": false,
            "block": true,
            "alert": true
          },
          "quarantineSettings": {
            "removeWifi": false,
            "removeConfigurations": false,
            "excludeWifiOnly": false,
            "removeApps": false
          }
        }
      ]
    },
    {
      "id": 1,
      "name": "Send Alert",
      "localCompliance": false,
      "createdAt": 0,
      "modifiedAt": 0,
    }
  ]
}
```

```
"tiers": [
  {
    "delay": "PT0S",
    "complianceSettings": {
      "wipe": false,
      "quarantine": false,
      "block": false,
      "alert": true
    },
    "quarantineSettings": {
      "removeWifi": false,
      "removeConfigurations": false,
      "excludeWifiOnly": false,
      "removeApps": false
    }
  }
],
"totalCount": 2,
"resultCount": 2
}
```

## Create a compliance action

Creates a compliance action. With this call, you specify the name of the compliance action and then the data for the tiers, including any enforcement delays.

### Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

**Required Roles****Category:** Compliance Policy Management**Roles Description:** View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

POST

## Request URI

api/v2/compliance\_action

## Request parameters

| Parameter          | Description                                                                                                                                                                | Sample Value                         |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                       | 1                                    |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Text<br>Name of the tiered compliance action.                                                  | Three tiers 12 hour then 1 day delay |
| localCompliance    | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. Specifies whether Ivanti EPMM enforces the first tier on the device if possible. | true                                 |
| tiers              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Container for the tiers data.                                                                  | n/a                                  |
| delay              | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> text.<br>Specifies the delay time. Formatted as <a href="#">ISO8601 durations</a> .                               | PT12H                                |

| Parameter          | Description                                                                                                                                                       | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| complianceSettings | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Container for the compliance settings data.                                           | n/a          |
| quarantine         | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.                                                                         | true         |
| wipe               | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.<br>Only for Android devices on which the custom ROM setting is enabled. | true         |
| block              | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.                                                                         | true         |
| alert              | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.                                                                         | true         |
| quarantineSettings | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Container for the quarantine settings data.                                                              | n/a          |

| Parameter            | Description                                                                               | Sample Value |
|----------------------|-------------------------------------------------------------------------------------------|--------------|
| removeConfigurations | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. | true         |
| excludeWifiOnly      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. | true         |
| removeWifi           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. | true         |
| removeApps           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. | true         |

## Response fields

| Field            | Description                  |
|------------------|------------------------------|
| results          | Container for results        |
| messages         | Container for messages       |
| messageKey       | Key for the returned message |
| localizedMessage | Text of the returned message |
| totalCount       | How many records found       |
| resultCount      | How many records displayed   |

## Sample request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
```

```
"name": "Three tiers 12 hour then 1 day delay",
"localCompliance": false,
"tiers": [
  {
    "complianceSettings": {
      "quarantine": false,
      "wipe": false,
      "block": false,
      "alert": true
    },
    "quarantineSettings": {
      "removeConfigurations": false,
      "excludeWifiOnly": false,
      "removeWifi": false,
      "removeApps": false
    }
  },
  {
    "delay": "PT12H",
    "complianceSettings": {
      "quarantine": false,
      "wipe": false,
      "block": true,
      "alert": false
    },
    "quarantineSettings": {
      "removeConfigurations": false,
      "excludeWifiOnly": false,
      "removeWifi": false,
      "removeApps": false
    }
  },
  {
```

```
"delay": "P1D",
"complianceSettings": {
  "quarantine": true,
  "wipe": false,
  "block": false,
  "alert": false
},
"quarantineSettings": {
  "removeConfigurations": true,
  "excludeWifiOnly": true,
  "removeWifi": true,
  "removeApps": false
}
}
]
}' -XPOST 'https://[Ivanti EPMM]/api/v2/compliance_action?adminDeviceSpaceId=1'
```

## Sample response

```
{
  "results":9,
  "messages":[
    {
      "type":"Info",

      "messageKey":"com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.CREATE_SUCCESS",
      "localizedMessage":"Compliance action created successfully."
    }
  ],
  "totalCount":1,
  "resultCount":1
}
```

## Update a compliance action

Updates a compliance action.

### Required roles

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|
| <b>Category:</b> Compliance Policy Management                                                                         |
| <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels |

### HTTP method

PUT

### Request URI

`api/v2/compliance_action/id`

## Request parameters

| Parameter          | Description                                                                                                                                                                | Sample Value                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                       | 1                           |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>ID of the compliance action to update.                                                      | 9                           |
| name               | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Text<br>Name of the tiered compliance action.                                                  | Three tiers 5 minute delays |
| localCompliance    | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false. Specifies whether Ivanti EPMM enforces the first tier on the device if possible. | true                        |
| tiers              | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Container for the tiers data.                                                                  | n/a                         |

| Parameter          | Description                                                                                                                                                                                                                                                                                                                                                                                                            | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| delay              | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> text.</p> <p>Specifies the delay time. Formatted as <a href="#">ISO8601 durations</a>.</p> <p>You cannot set delay time as less than 4 hours or greater than ninety days without adding the "compliance.restrict.delay.values" property in the mifs.properties file. This values can be changed within the allowed interval in the user interface.</p> | PT5M         |
| complianceSettings | <p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Container for the compliance settings data.</p>                                                                                                                                                                                                                                                                                 | n/a          |
| quarantine         | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Can be true or false.</p>                                                                                                                                                                                                                                                                                                               | true         |
| wipe               | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Can be true or false.</p> <p>Only for Android devices on which the custom ROM setting is enabled.</p>                                                                                                                                                                                                                                   | true         |
| block              | <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Can be true or false.</p>                                                                                                                                                                                                                                                                                                               | true         |

| Parameter            | Description                                                                                          | Sample Value |
|----------------------|------------------------------------------------------------------------------------------------------|--------------|
| alert                | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.            | true         |
| quarantineSettings   | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Container for the quarantine settings data. | n/a          |
| removeConfigurations | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.            | true         |
| excludeWifiOnly      | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.            | true         |
| removeWifi           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.            | true         |
| removeApps           | <b>Parameter Type:</b> Request body<br><b>Data Type:</b> Boolean<br>Can be true or false.            | true         |

## Response fields

| Field            | Description                  |
|------------------|------------------------------|
| results          | Container for results        |
| messages         | Container for messages       |
| messageKey       | Key for the returned message |
| localizedMessage | Text of the returned message |
| totalCount       | How many records found       |
| resultCount      | How many records displayed   |

## Sample request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "name": "Three tiers 5 minute delays",
  "localCompliance": false,
  "tiers": [
    {
      "complianceSettings": {
        "quarantine": false,
        "wipe": false,
        "block": false,
        "alert": true
      },
      "quarantineSettings": {
        "removeConfigurations": false,
        "excludeWifiOnly": false,
        "removeWifi": false,
        "removeApps": false
      }
    },
    {
      "delay": "PT5M",
```

```
"complianceSettings": {
  "quarantine": false,
  "wipe": false,
  "block": true,
  "alert": false
},
"quarantineSettings": {
  "removeConfigurations": false,
  "excludeWifiOnly": false,
  "removeWifi": false,
  "removeApps": false
}
},
{
  "delay": "PT5M",
  "complianceSettings": {
    "quarantine": true,
    "wipe": false,
    "block": false,
    "alert": false
  },
  "quarantineSettings": {
    "removeConfigurations": true,
    "excludeWifiOnly": true,
    "removeWifi": true,
    "removeApps": false
  }
}
]
}' -XPUT 'https://[Ivanti EPMM]/api/v2/compliance_action/9?adminDeviceSpaceId=1'
```

## Sample response

```
{
```

---

```
"results":9,
"messages":[
{
  "type":"Info",

  "messageKey":"com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.UPDATE_SUCCESS",
  "localizedMessage":"Compliance action updated successfully."
}
],
"totalCount":1,
"resultCount":1
}
```

## Get information about a compliance action

Gets information about a specific compliance action.

### Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                  |
|-------------------------------------------------|
| <b>Category:</b> Compliance Policy Management   |
| <b>Role Description:</b> View compliance policy |

### HTTP method

GET

### Request URI

`api/v2/compliance_action/id`

## Request parameters

| Parameter          | Description                                                                                                                                           | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                  | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>ID of the compliance action for which information needs to be fetched. | 9            |

## Response fields

| Field                | Description |
|----------------------|-------------|
| results              |             |
| id                   |             |
| name                 |             |
| localCompliancefalse |             |
| createdAt            |             |
| modifiedAt           |             |
| tiers                |             |
| delay                |             |
| complianceSettings   |             |
| wipe                 |             |
| quarantine           |             |
| block                |             |
| alert                |             |
| quarantineSettings   |             |
| removeWifi           |             |
| removeConfigurations |             |
| excludeWifiOnly      |             |
| removeApps           |             |
| totalCount           |             |
| resultCount          |             |

## Sample request

```
curl -k -sS -u <userName>:<password> -XGET 'https://[Ivanti EPMM]/api/v2/compliance_action/1?adminDeviceSpaceId=1'
```

## Sample response

```
{
  "results":{
    "id":1,
    "name":"Send Alert",
    "localCompliance":false,
    "createdAt":0,
    "modifiedAt":0,
    "tiers":[
      {
        "delay":"PT0S",
        "complianceSettings":{
          "wipe":false,
          "quarantine":false,
          "block":false,
          "alert":true
        },
        "quarantineSettings":{
          "removeWifi":false,
          "removeConfigurations":false,
          "excludeWifiOnly":false,
          "removeApps":false
        }
      }
    ],
    "totalCount":1,
    "resultCount":1
  }
}
```

## Delete a compliance action

Deletes a compliance action.

## Required roles

See "[Authentication](#)" on page 13 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|
| <b>Category:</b> Compliance Policy Management                                                                         |
| <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels |

## HTTP method

DELETE

## Request URI

api/v2/compliance\_action/id

## Request parameters

| Parameter          | Description                                                                                                           | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.  | 1            |
| id                 | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>ID of the compliance action to delete. | 9            |

## Response fields

| Field                | Description |
|----------------------|-------------|
| results              |             |
| id                   |             |
| name                 |             |
| localCompliancefalse |             |
| createdAt            |             |
| modifiedAt           |             |
| tiers                |             |
| delay                |             |
| complianceSettings   |             |
| wipe                 |             |
| quarantine           |             |
| block                |             |
| alert                |             |
| quarantineSettings   |             |
| removeWifi           |             |
| removeConfigurations |             |
| excludeWifiOnly      |             |
| removeApps           |             |
| totalCount           |             |
| resultCount          |             |

## Sample request

```
curl -k -sS -u <username>:<password> -XDELETE 'https://[Ivanti EPMM]/api/v2/compliance_action/9?adminDeviceSpaceId=1'
```

## Sample response

```
{
  "results": [
    9
  ],
  "messages": [
    {
      "type": "Info",

      "messageKey": "com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.DELETE_SUCCESS",
      "localizedMessage": "Compliance action(s) deleted successfully."
    }
  ],
  "totalCount": 1,
  "resultCount": 1
}
```

## Get substitution variables

This call gets the available substitution variables for use when creating a compliance action message as described in ["Create compliance action message" on page 607](#).

## Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|
| <b>Category:</b> Compliance Policy Management                                                                         |
| <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels |

## HTTP method

GET

## Request URI

api/v2/substitution\_variables?adminDeviceSpaceId=*n*

## Request parameters

| Parameter          | Description                                                                                                                      | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Device space ID of the administrator. | 1            |

## Response fields

| Field       | Description |
|-------------|-------------|
| totalCount  |             |
| resultCount |             |
| hasMore     |             |
| results     |             |
| name        |             |
| description |             |

## Sample request

```
curl -X GET \  
  'https://[Ivanti EPMM]/mifs/admin/rest/api/v2/substitution_  
variables?page=1&start=0&limit=50&adminDeviceSpaceId=1' \  
  -H 'authorization: Basic <token>' \  

```

## Sample response

```
{
  "totalCount": 40,
  "resultCount": 40,
  "hasMore": false,
  "results": [
    {
      "name": "$CN$",
      "description": "Built-in variable"
    },
    {
      "name": "$CONFIG_UUID$",
      "description": "Built-in variable"
    },
    {
      "name": "$DEVICE_CLIENT_ID$",
      "description": "Built-in variable"
    },
    {
      "name": "$DEVICE_ID$",
      "description": "Built-in variable"
    },
    {
      "name": "$DEVICE_IMEI$",
      "description": "Built-in variable"
    },
    {
      "name": "$DEVICE_IMSI$",
      "description": "Built-in variable"
    },
    {
      "name": "$DEVICE_MAC$",
      "description": "Built-in variable"
    }
  ]
}
```

```
    },  
    {  
      "name": "$DEVICE_PIVD_ACTIVATION_LINK$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DEVICE_SN$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DEVICE_UDID$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DEVICE_UUID$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DEVICE_UUID_NO_DASHES$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DISPLAY_NAME$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$EMAIL$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$EMAIL_DOMAIN$",  
      "description": "Built-in variable"  
    },  
  ],
```

```
{
  "name": "$EMAIL_LOCAL$",
  "description": "Built-in variable"
},
{
  "name": "$FIRST_NAME$",
  "description": "Built-in variable"
},
{
  "name": "$GOOGLE_AUTOGEN_PASSWORD$",
  "description": "Built-in variable"
},
{
  "name": "$ICCID$",
  "description": "Built-in variable"
},
{
  "name": "$LAST_NAME$",
  "description": "Built-in variable"
},
{
  "name": "$MI_APPSTORE_URL$",
  "description": "Built-in variable"
},
{
  "name": "$MODEL$",
  "description": "Built-in variable"
},
{
  "name": "$NULL$",
  "description": "Built-in variable"
},
{
```

```
    "name": "$OU$",
    "description": "Built-in variable"
  },
  {
    "name": "$PASSWORD$",
    "description": "Built-in variable"
  },
  {
    "name": "$PHONE_NUMBER$",
    "description": "Built-in variable"
  },
  {
    "name": "$RANDOM_16$",
    "description": "Built-in variable"
  },
  {
    "name": "$RANDOM_32$",
    "description": "Built-in variable"
  },
  {
    "name": "$RANDOM_64$",
    "description": "Built-in variable"
  },
  {
    "name": "$REALM$",
    "description": "Built-in variable"
  },
  {
    "name": "$SAM_ACCOUNT_NAME$",
    "description": "Built-in variable"
  },
  {
    "name": "$TIMESTAMP_MS$",
```

```
    "description": "Built-in variable"
  },
  {
    "name": "$USER_CUSTOM1$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_CUSTOM2$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_CUSTOM3$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_CUSTOM4$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_DN$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_LOCALE$",
    "description": "Built-in variable"
  },
  {
    "name": "$USER_UPN$",
    "description": "Built-in variable"
  },
  {
    "name": "$USERID$",
    "description": "Built-in variable"
```

```
}  
]  
}
```

## Create compliance action message

This call creates a compliance action message. You can use the substitution variables described in ["Get substitution variables" on page 600](#) to construct your message.

### Required roles

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Roles                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|
| <b>Category:</b> Compliance Policy Management                                                                         |
| <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels |

### HTTP method

POST

### Request URI

api/v2/compliance\_policy/rules/*ruleId*/messages?adminDeviceSpaceId=*n*

## Request parameters

| Parameter          | Description                                                                                                                               | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                      | 1            |
| ruleId             | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>ID of the compliance action for which to create a message. | 2            |

## Response fields

| Field            | Description |
|------------------|-------------|
| results          |             |
| ruleId           |             |
| languageId       |             |
| message          |             |
| messages         |             |
| type             |             |
| messageKey       |             |
| localizedMessage |             |
| totalCount       |             |
| resultCount      |             |

## Sample request

```
curl 'https://[Ivanti EPMM]/mifs/admin/rest/api/v2/compliance_
policy/rules/2/messages?adminDeviceSpaceId=1' --data-binary '{"messages":{"0":"Dear
$FIRST_NAME$, your device is in the USA."}}' --compressed
```

## Sample response

```
{
  "results": [
    {
      "ruleId": 2,
      "languageId": 0,
      "message": "Dear $FIRST_NAME$, your device is in the USA."
    }
  ],
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.ComplianceRuleMessageController.Messages.REPLACE_
MESSAGES_SUCCESS",
      "localizedMessage": "Compliance rule messages successfully replaced."
    }
  ],
  "totalCount": 1,
  "resultCount": 1
}
```

# Apple Licenses Management

## Get details about all Apple Licenses accounts

This call gets details about all Apple Licenses accounts. If there are more than 50 Apple Licenses accounts, the system paginates the response.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

### Request URI

msa/v2/vpp/accounts

## Response fields

| Field              | Description |
|--------------------|-------------|
| hasMore            |             |
| resultCount        |             |
| results            |             |
| appleId            |             |
| description        |             |
| encryptedToken     |             |
| expireDateString   |             |
| id                 |             |
| lastSyncedAt       |             |
| licenseSinceToken  |             |
| licenseSyncStatus  |             |
| name               |             |
| numDaysToExpire    |             |
| pendingDelete      |             |
| priority           |             |
| sTokenModifiedDate |             |
| stoken             |             |
| userSinceToken     |             |
| userSyncStatus     |             |
| totalCount         |             |

## Sample request

```
curl -X GET \  
https://[Ivanti EPMM]/msa/v2/vpp/accounts \
```

```
-H 'authorization: Basic <token>' \
```

## Sample response

```
{
  "totalCount": 1,
  "resultCount": 1,
  "hasMore": false,
  "results": [
    {
      "id": 1,
      "name": "blue4",
      "description": "",
      "appleId": "",
      "sTokenModifiedDate": "2017-10-25",
      "licenseSinceToken":
        "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa
        ZmqKEogtZeWYate0wWENmTk5mMVDO0NTA0tjA2NTAxNDIxFqhFgB079RGgQAAAA==",
      "userSinceToken":
        "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa
        ZmqKEogtZeWYate0wWENmTk5mMVDO0NTA0tjA2NTAxMjc3FqhFgB+vRUagQAAAA==",
      "lastSyncedAt": 1509303504000,
      "priority": 1,
      "userSyncStatus": true,
      "licenseSyncStatus": true,
      "token":
        "eyJleHBhBEYXRlIjoiMjAxOC0wOS0xNFQxNTZzMjYwOC0wNzAwIiwidG9rZW4iOiJhUXMrSnUvT2Fjd2NKWjZ4akR
        DZ0pFQVd6UkZPWnovMk1rM3A5bHhmaXdoNmxDdTLsNDd4Zk9VZ2dXWnpPUzFUaVhmRThsSzMrZ21VUVRWQTV2R2R
        OZnl6N3BRWURvY3RlSmU2a0NLZWVhV0iLCJvcmd0YW11IjoiTW9iaWx1SXJvbiJ9",
      "encryptedToken":
        "V2DAAtJly+hzMvsN5gosgeHvFPMBMHghkA8+/hbFokoH5JTh8oAoAdHWkwn6LjCsG9Wca6gLa+h8mUZQiNN62bu
        +b+rLL6tadjy6Zz4Xa9WlxbHgIXApC+6b59LIs/hhBdFjx2ysq8RkLtdqFTo7tIeu2kUIJaQEc/uWSZfWvSfS1ZM
        eJqghmLUY7KsPVXjJYQgScLwiO+6K9UhL0aJCbjRh9dkHysvhD6vt9b3ur30AcBtI+R3+1Vjgydy0HGtNWvRMqv/
        wfOX2MtGJviG9v0uFl9nABjQGdBL72T/DmOtfatygyLZfso6cShU2FWtGRUxtsQ+ZTVSUTSFk2im/2PnLM9nrBED
        uld44h+dqs=",
      "expireDateString": "September 14 2018",
      "pendingDelete": false,
      "numDaysToExpire": 320
    }
  ]
}
```

```
}
```

## Get all Apple Licenses accounts

This call gets information about all Apple Licenses accounts, unpaginated.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

### Request URI

msa/v2/vpp/accounts/all

## Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| description        |             |
| appleId            |             |
| sTokenModifiedDate |             |
| licenseSinceToken  |             |
| userSinceToken     |             |
| lastSyncedAt       |             |
| priority           |             |
| userSyncStatus     |             |
| licenseSyncStatus  |             |
| adminDeviceSpaceId |             |
| deviceSpaceName    |             |
| deviceSpacePath    |             |
| expireDateString   |             |
| token              |             |
| numDaysToExpire    |             |
| encryptedToken     |             |
| pendingDelete      |             |
| totalCount         |             |
| resultCount        |             |

## Sample request

```
curl -X GET \  
https://[Ivanti EPMM]/msa/v2/vpp/accounts/all \  
-H 'Authorization: Basic <token>' \  

```

## Sample response

```
{  
  "results": [  
    {  
      "id": 1,  
      "name": "blue2",  
      "description": "",  
      "appleId": "",  
      "sTokenModifiedDate": "2018-03-07",  
      "licenseSinceToken":  
      "H4sIAAAAAAAAAAKtWKKksSFWwVVAqzsxLTvXNT8lMy0xNUbJWUMhMg/GCwVKZOTmZxUCVhqZGBiYm5gYWQMLcWqE  
      WAMa806BDAAAA",  
      "userSinceToken":  
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa  
      ZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTE3NDYlNTYwlqhFgA5krZ0gQAAAA==",  
      "lastSyncedAt": 1520447135000,  
      "priority": 1,  
      "userSyncStatus": true,  
      "licenseSyncStatus": true,  
      "adminDeviceSpaceId": 1,  
      "deviceSpaceName": "Global",  
      "deviceSpacePath": "/1/",  
      "expireDateString": "March 07 2019",  
      "token":  
      "eyJleHBhYXRlIjoiaWJjA0S0wMy0wN1QxMDoxNj0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkl0ZHp1VER1WTU  
      2TFE2RDhaSWtxTS9JbmQ0ZEdNUlQ4aFZQU3c1YmxST2JCVlhHTzdoczZmTElWZl02c0JxTDYlWXdsVHNEZDNUZDB  
      za3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmdOYW11IjoiTW9iaWx1SXJvbiJ9",  
      "numDaysToExpire": 364,  
    }  
  ]  
}
```

```

    "encryptedToken":
    "V2DFgLCX40+25VSLrtL1l+pm4xlIoeCFa0XRgL+2aD/1Kcx8Iq1kPRJHISntjoi0URflwjkdwcxGeUHotL9YUF
/UVA7uSgfnBeWdt+TYQAS2wEDOTMN51sl+zBUz5G4mW+xi1CoWzBm+SLzgOop5M7mXJ9e7A6PGU0w+YTTZ3+YN6K
2bd0x9rkM3ofQKbVqycre0J5hLWpH00PgZv2vri9isbIZVaBLodNrNJEt6iQbAKpERaSJZ2X67gwkOgWGLkoF9w
t3DA4mFGmVBZgFafpeNXizI6A3IMDZtNzyYVxHkCasaoWl5Gu85x/RQx0GaCGpCmL7XkvH7766pg43hyYS3yV/OK
r53uck1kdU=",

    "pendingDelete": false
},
{
    "id": 2,
    "name": "blue4",
    "description": "",
    "appleId": "",
    "sTokenModifiedDate": "2018-03-07",
    "licenseSinceToken":
    "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa
ZmqKEogtZeWYate0wWENmTk5mMVDO0NTIwMTE3NDY1NQYqK4WANA6ArGBAAAA",
    "userSinceToken":
    "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa
ZmqKEogtZeWYate0wWENmTk5mMVDO0NTIwMTE3NDY1NTMw1qhFgBJHVa8gQAAAA==",
    "lastSyncedAt": 1520447135000,
    "priority": 2,
    "userSyncStatus": true,
    "licenseSyncStatus": true,
    "adminDeviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "expireDateString": "March 07 2019",
    "token":
    "eyJleHBeyXRlIjoiMjAxOS0wMy0wN1QxMDoxNzowNC0wODAwIiwidG9rZW4iOiJzZFdEQ1pYbTJHa3dMSEdKRXJ
kZENvWm1lZzloOGFBTnN2OF1JdTQxWmg3VlAxdUZpSHJKRW1LWgZaY0h3b1FKamN3ZUdMZjJiQysvYXRBaU5QaUF
pMzNSWTNMRlVJNFFSNkFldEFVeDh5MD0iLCJvcmdoYW1lIjoiTW9iaWx1SXJvbiJ9",
    "numDaysToExpire": 364,
    "encryptedToken":
    "V2DJvIUxCIQxzVnFl7+8eCa6xTA35j3obOvusY28+eBgBPo1ADPcyWdctCOxjP8BS1X7sOBuO/W5MHTf0R2aSWD
xZyRPKiLTzp2ERR+7Z5Zq+baV/p132wV65ppvKg94EIlf/xk//M8asBtGi fmUZksa3dUvOGuWSCQ8ZZwnKsU8JiK
8lP6UTIEjyDAVgt27VzEIsYRuX/p0iZwQwqHsF0Qa/Wh5hEHLFjQaPMgj fAP8jwxXvIUlgM8gm2gsmZxXoj/7f5Z
kaw4Y14DBTLGgsB08jZ0gTc5Dt1+R211qXkg1baJ6OxtEnh4fQWcbOQaeJAieoJfA/BpvTE5Tby5TFZpF/wJDaHk
RsDhYh6hxE=",
    "pendingDelete": false
}

```

```
  ],  
  "totalCount": 2,  
  "resultCount": 2  
}
```

## Get details about specific Apple Licenses account

This call gets information about a specific Apple Licenses accounts.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

### Request URI

msa/v2/vpp/accounts/{id}

### Request parameters

| Parameter | Description                                                                                                                  | Sample Value |
|-----------|------------------------------------------------------------------------------------------------------------------------------|--------------|
| id        | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>ID of the Apple Licenses account. | 1            |

## Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| description        |             |
| appleId            |             |
| sTokenModifiedDate |             |
| licenseSinceToken  |             |
| userSinceToken     |             |
| lastSyncedAt       |             |
| priority           |             |
| userSyncStatus     |             |
| licenseSyncStatus  |             |
| adminDeviceSpaceId |             |
| deviceSpaceName    |             |
| deviceSpacePath    |             |
| expireDateString   |             |
| token              |             |
| numDaysToExpire    |             |
| encryptedToken     |             |
| pendingDelete      |             |

## Sample request

```
curl -X GET \  
https://[Ivanti EPMM]/msa/v2/vpp/accounts/1 \
```

```
-H 'Authorization: Basic <token>' \
```

## Sample response

```
{
  "results": {
    "id": 1,
    "name": "blue2",
    "description": "",
    "appleId": "",
    "sTokenModifiedDate": "2018-03-07",
    "licenseSinceToken":
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZa
      ZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTEwsDYlMzQ3FqhFgBv7PE2gQAAAA==",
    "userSinceToken":
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZa
      ZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTEwsDYlMzMyFqhFgBNwA+zgQAAAA==",
    "lastSyncedAt": 1520448035000,
    "priority": 1,
    "userSyncStatus": true,
    "licenseSyncStatus": true,
    "adminDeviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "expireDateString": "March 07 2019",
    "token":
      "eyJleHBhYXNlIjoiaWJjAxOS0wMy0wN1QxMDoxNj0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkl1ZHp1VER1WTVU
      2TFE2RDhaSWtxTS9JbmQ0ZEdNUlQ4aFZQU3clYmxST2JCVlhHTZdoczZmTElWZlo2c0JxTDYlWXdsVHNEZDNuZDB
      za3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmd0YW11IjoiaW9iaWx1SXJvbiJ9",
    "numDaysToExpire": 364,
    "encryptedToken":
      "V2DPNTJs5g/xs9fGfdNPW7Oukg84d7DT6uUb9Q/8c+52WrunoICEel/JuVxVuFOxVvfc0oUB/FhcF4D17GOh7HM
      GgzxbcYsIIi/TIadEUjp9CQZQ7kGU6G9fwLK2h7ndtwA+Z9qQmR93GR1PV8N8ydhKQgwy6c+rQYmfu5/+bsO2t3
      8D6nYtUgEYkV+f24BppiP5Op9PcteDYZOcpmoyacHSeNnfFoLVFqx2n0pzDJ4ajEONETDLle2727vdwOs7XgDdhG
      Yxj0qR9EPjepTfCx0hLva9BGq+xbm0ygZihEvayDvTNwAP6eQL7qkV0v+SMZXA41Zgs18WCV6YevSkmBJQ5oUI7O
      EFuXoubsr8=",
    "pendingDelete": false
  }
}
```

## Get all licenses for a specific Apple Licenses account

This call retrieves information about a specific Apple Licenses account.

### Required role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

### Request URI

msa/v2/vpp/accounts/{accountId}/licenses

### Request parameters

| Parameter | Description                                                                                                                                                       | Sample Value |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| accountId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Target Apple Licenses account ID for which to get license information. | 1            |

## Response fields

| Field        | Description |
|--------------|-------------|
| results      |             |
| name         |             |
| version      |             |
| totalCount   |             |
| usedCount    |             |
| adamId       |             |
| canImport    |             |
| platformType |             |
| imported     |             |
| totalCount   |             |
| resultCount  |             |

## Sample request

```
curl -X GET \  
  https://[Ivanti EPMM]/msa/v2/vpp/accounts/1/licenses \  
  -H 'authorization: Basic <token>' \  

```

## Sample response

```
{  
  "results": [  
    {  
      "name": "Quick Note",  
      "version": null,  
      "totalCount": 2,  
      "usedCount": 0,  
      "adamId": 414848186,  

```

```
    "canImport": true,  
    "platformType": "L",  
    "imported": true  
  },  
  {  
    "name": "Twitter",  
    "version": "7.10",  
    "totalCount": 11,  
    "usedCount": 0,  
    "adamId": 333903271,  
    "canImport": true,  
    "platformType": "I",  
    "imported": false  
  },  
  ...  
],  
"totalCount": 38,  
"resultCount": 38  
}
```

## Start a Apple Licenses license full sync for Apple Licenses Account

This call initiates a full sync of the target Apple Licenses account.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

## HTTP method

POST

## Request URI

msa/v2/vpp/accounts/{accountId}/fullsync

## Request parameters

| Parameter | Description                                                                                                                                             | Sample Value |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| accountId | <b>Required</b><br><br><b>Parameter Type:</b> Query<br><br><b>Data Type:</b> Number<br><br>Target Apple Licenses account ID for which to sync licenses. |              |

## Response fields

| Field   | Description |
|---------|-------------|
| results |             |

## Sample request

```
curl -X POST \  
  https://[Ivanti EPMM]/msa/v2/vpp/accounts/1/fullsync \  
  -H 'authorization: Basic <token>' \  

```

## Sample response

```
{  
  "results": 0  
}
```

## Add an Apple license account

This call adds an Apple license account.

### Required role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

POST

### Request URI

msa/v2/vpp/accounts

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| appleId            | <b>Parameter Type:</b> Body<br><b>Data Type:</b> String<br>Apple ID for which to create the license.                 |              |
| description        | <b>Parameter Type:</b> Body<br><b>Data Type:</b> String<br>License description.                                      |              |
| name               | <b>Parameter Type:</b> Body<br><b>Data Type:</b> String<br>Device space ID of the administrator.                     |              |
| priority           | <b>Parameter Type:</b> Body<br><b>Data Type:</b> Integer<br>Priority of the license.                                 |              |

| Parameter | Description                                                                                               | Sample Value |
|-----------|-----------------------------------------------------------------------------------------------------------|--------------|
| sToken    | <b>Parameter Type:</b> Body<br><br><b>Data Type:</b> String<br><br>sToken value.                          |              |
| shared    | <b>Parameter Type:</b> Body<br><br><b>Data Type:</b> Boolean<br><br>true or false, is the license shared. |              |
| locale    | <b>Parameter Type:</b> Body<br><br><b>Data Type:</b> String<br><br>Locale for the license.                |              |

## Response fields

| Field   | Description |
|---------|-------------|
| results |             |

## Sample request

```
$ curl --location --request POST 'https://<Ivanti  
EPMM>/msa/v2/vpp/accounts?adminDeviceSpaceId=1' \  
  
> --header 'Authorization: Basic <token>' \  
  
> --header 'Content-Type: application/json' \  
  
> --data-raw '{  
  
  >   "name": "vivTest1",  
  
  >   "sToken":  
"eyJleHBhYXNjaWoiMjAyMy0xMS0wN1QyMjowNDoxOCswMDAwIiwidG9rZW4iOiJyS1J6a1BBNUJHcmZnWnRkTTJ  
zbGh1M0JOVTdlYVnKY2FyNU5uTHVYbi9BRmtpK1JwaWRIR3oyT0c5YnRBOEJRaXJYSU1yTDZmQm5TNThRd3BTNXN  
RaldualJNci9BdW5vNGkxZXhaSnBDeFp3S1k5cEVFcXJOT3lZWctLcjlFL3FLR3JSU1JQbFZMUvdKNTBFT0o3M0d  
CMjUvZnVJQWw1NXRhb1ljdeE5acmk5elptUWhPV2l0c0tTSM5hR0xTamgiLCJvcmdOYW11IjoiTU9CSUxFSVJPTiw  
gSU5DLiJ9",  
  
  >   "description": "test"  
  
  > }'
```

## Sample response

Returns ID of new VPP account.

## Delete an Apple license account

This call deletes an Apple license account.

## Required role

See "[Authentication](#)" on [page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

## HTTP method

DELETE

## Request URI

msa/v2/vpp/accounts/{accountId}

## Request parameters

| Parameter          | Description                                                                                          | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.    | 1            |
| accountId          | <b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>Apple ID for which to delete the license. |              |

## Response fields

| Field   | Description |
|---------|-------------|
| results |             |

## Add a Apple Licenses label to an app

This call applies a Apple Licenses label to an app.

## Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                                                    |
|----------------------------------------------------------------------------------|
| <b>Category:</b> App Management<br><b>Roles Description:</b> Manage App Licenses |

## HTTP method

PUT

## Request URI

msa/v2/vpp/apps/labels

## Request parameters

| Parameter          | Description                                                                                                                                     | Sample Value |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                            | 1            |
| catalogId          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Long<br>Catalog ID of the app to apply to a label.                  | 119          |
| vppAccountId       | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Integer<br>ID of the target Apple Licenses account.                 | 1            |
| labelIds           | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> array[Long]<br>ID of the label or labels to which to apply the app. | -6           |

## Response fields

| Field | Description |
|-------|-------------|
| {}    |             |

## Sample request

```
curl -X PUT \  
  'https://eapp297.auto.mobileiron.com/msa/v2/vpp/apps/labels?adminDeviceSpaceId=1' \  
  -H 'accept: application/json' \  
  -H 'authorization: Basic <token>' \  
  -H 'content-type: application/json' \  
  -d '{"catalogId":119,"vppAccountId":1,"labelIds":[-6]}'
```

## Sample response

```
{}
```

## Remove a Apple Licenses label from an app

This call removes a Apple Licenses label from an app.

## Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

## HTTP method

DELETE

## Request URI

msa/v2/vpp/apps/labels

## Request parameters

| Parameter          | Description                                                                                                                                   | Sample Value |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                          | 1            |
| catalogId          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Catalog ID of the app to delete from a label.           | 119          |
| vppAccountId       | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>ID of the target Apple Licenses account.                | 1            |
| labelIds           | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>ID of the label or labels from which to delete the app. | -6           |

## Response fields

| Field | Description |
|-------|-------------|
| {}    |             |

## Sample request

```
curl -X DELETE \
  'https://[Ivanti EPMM]/msa/v2/vpp/apps/labels?adminDeviceSpaceId=1' \
  -H 'accept: application/json' \
  -H 'authorization: Basic <token>' \
  -H 'content-type: application/json' \
  -d '{"catalogId":119,"vppAccountId":1,"labelIds":[-6]}'
```

## Sample response

```
{}
```

## Get Apple Licenses account summary for specific app

This call gets a combined summary of Apple Licenses Details with all accounts for a specific App, including cumulative license counts.

## Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

## HTTP method

GET

## Request URI

msa/v2/vpp/apps/{catalogId}/summary

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| catalogId          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Catalog ID of the app.         | 121          |

## Response fields

| Field                | Description |
|----------------------|-------------|
| results              |             |
| numDeviceLicenses    |             |
| numUserLicenses      |             |
| numVPPAccounts       |             |
| numAvailableLicenses |             |
| numUsedLicenses      |             |
| numTotalLicenses     |             |
| catalogId            |             |
| iconFile             |             |
| fileName             |             |
| uuid                 |             |
| url                  |             |
| applcon              |             |
| appName              |             |

## Sample request

```
curl -X GET \  
  'https://[Ivanti EPMM]/msa/v2/vpp/apps/121/summary?adminDeviceSpaceId=1' \  
-H 'Accept: application/json' \  
-H 'Authorization: Basic <token>' \
```

## Sample response

```
{  
  "results": {  
    "numDeviceLicenses": 0,  
    "numUserLicenses": 0,
```

```
{
  "numVPPAccounts": 1,
  "numAvailableLicenses": 5,
  "numUsedLicenses": 0,
  "numTotalLicenses": 5,
  "catalogId": 121,
  "iconFile": {
    "fileName": "logo.png",
    "uuid": "d31ae54a-2af8-43e5-8249-5a9745b96193",
    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=d31ae54a-2af8-43e5-8249-5a9745b96193&ext=PNG"
  },
  "appIcon": null,
  "appName": "IKEA Catalog"
}
```

## Get list of Apple Licenses accounts available for specific app

This call gets the list of Apple Licenses Accounts available for the specific app.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

## Request URI

msa/v2/vpp/apps/{catalogId}/vppaccounts

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| catalogId          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Catalog ID of the app.         | 121          |

## Response fields

| Field              | Description |
|--------------------|-------------|
| results            |             |
| id                 |             |
| name               |             |
| description        |             |
| appleId            |             |
| sTokenModifiedDate |             |
| licenseSinceToken  |             |
| userSinceToken     |             |
| lastSyncedAt       |             |
| priority           |             |
| userSyncStatus     |             |
| licenseSyncStatus  |             |
| adminDeviceSpaceId |             |
| deviceSpaceName    |             |
| deviceSpacePath    |             |
| expireDateString   |             |
| stoken             |             |
| numDaysToExpire    |             |
| encryptedToken     |             |
| pendingDelete      |             |
| totalCount         |             |
| resultCount        |             |

## Sample request

```
curl -X GET \
```

```
'https://[Ivanti EPMM]/msa/v2/vpp/apps/121/vppaccounts?adminDeviceSpaceId=1' \  
-H 'Accept: application/json' \  
-H 'Authorization: Basic <token>' \
```

## Sample response

```
{  
  "results": [  
    {  
      "id": 1,  
      "name": "blue2",  
      "description": "",  
      "appleId": "",  
      "sTokenModifiedDate": "2018-03-07",  
      "licenseSinceToken":  
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa  
      ZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwszSzFqhFgBU2ojzgQAAAA==",  
      "userSinceToken":  
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+SmZa  
      ZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwtzU2FqhFgDCFPPrKgQAAAA==",  
      "lastSyncedAt": 1520453468000,  
      "priority": 1,  
      "userSyncStatus": true,  
      "licenseSyncStatus": true,  
      "adminDeviceSpaceId": 1,  
      "deviceSpaceName": "",  
      "deviceSpacePath": "",  
      "expireDateString": "March 07 2019",  
      "token":  
      "eyJleHBEBEYXRlIjoiMjAxOS0wMy0wNlQxMDoxNj00NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkl5ZmVlVERlWTU  
      2TFE2RDhaSWtxTS9JbmQ0ZEdNUlQ4aFZQU3c1YmxST2JCVlhHTZdoczZmTElWZl02c0JxTDYlWXdsVHNEZDNUZDB  
      za3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmdoYXNlIiwiaW9iaWx1SXJvbiJ9",  
      "numDaysToExpire": 364,  
      "encryptedToken":  
      "V2DMgs34fNkRL0R2NrM/i+PuhaAJQkhgJhf3fmiNA8Wj0+VPRqzphylyQnY0b7VgmuAdC3bUmI341XyMVl9h3nb  
      /mNot77AP/ZWVZBXbxzqq+Yrey9X4AWtElmL7u17FQv3y6Y1f/eYRdFxMOe4OtaXyZgIdfLDXtf92D70nq7/zgwc  
      it01xAP3dNtwB+hvDqtK8I2wTbvoY9b5hpe08YVicUMuS+igZkH4RA1NvkXZwYjamBx2ohILlqIvJp3dENpN3FXU  
      ATcxdrC2lpyihSH3qKGlLpMnYhztLZ9bQcK/vhn3kP7iBfHd3QGatHxjnNSfnW7vvlACef6B8i4tpBtxBZZfqr9  
      jnBPyCgloc=",  
      "pendingDelete": false
```

```
    }  
  ],  
  "totalCount": 1,  
  "resultCount": 1  
}
```

## Get Apple Licenses labels available for specific app

This call gets the list of Apple Licenses Labels available for the specific app.

### Required role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role                                 |
|-----------------------------------------------|
| <b>Category:</b> App Management               |
| <b>Roles Description:</b> Manage App Licenses |

### HTTP method

GET

### Request URI

msa/v2/vpp/apps/{catalogId}/vpplabels

## Request parameters

| Parameter          | Description                                                                                                          | Sample Value |
|--------------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator. | 1            |
| catalogId          | <b>Required</b><br><b>Parameter Type:</b> Request body<br><b>Data Type:</b> Number<br>Catalog ID of the app.         | 121          |

## Response fields

| Field            | Description |
|------------------|-------------|
| results          |             |
| appCatalogId     |             |
| labelId          |             |
| labelName        |             |
| labelDescription |             |
| vppAccountId     |             |
| vppAccountName   |             |
| appCatalogId     |             |
| labelId          |             |
| labelName        |             |
| labelDescription |             |
| vppAccountId     |             |
| vppAccountName   |             |
| totalCount       |             |
| resultCount      |             |

## Sample request

```
curl -X GET \  
  'https://[Ivanti EPMM]/msa/v2/vpp/apps/121/vpplabels?adminDeviceSpaceId=1' \  
  -H 'Accept: application/json' \  
  -H 'Authorization: Basic <token>' \  

```

## Sample response

```
{  
  "results": [  

```

```
{
  "appCatalogId": 0,
  "labelId": -20,
  "labelName": "Signed-Out",
  "labelDescription": "Label for devices that are in a multi-user signed-out state.",
  "vppAccountId": null,
  "vppAccountName": null
},
...
],
"totalCount": 9,
"resultCount": 9
}
```



# Platform Management

## Get minimumOsVersion Information

This call returns readily understandable minimumOsVersion information for Android and iOS apps. The returned value of minimumOsVersion for iOS apps from the call, ["Get app data by id" on page 111](#) is not readily understandable, and the returned value for Android apps is always null.

### Required Role

See ["Authentication" on page 13](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

| Required Role  |
|----------------|
| Any admin role |

### HTTP method

GET

### Request URI

/api/v2/platform/versions/{os}

## Request parameters

| Parameter          | Description                                                                                                                                                                                                                                                      | Sample Value |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| adminDeviceSpaceId | <b>Required</b><br><b>Parameter Type:</b> Query<br><b>Data Type:</b> Number<br>Device space ID of the administrator.                                                                                                                                             | 1            |
| os                 | <b>Required</b><br><b>Parameter Type:</b> Path<br><b>Data Type:</b> String<br>The operating system for which to get minimumOsVersion information.<br>Can be one of the following values: <ul style="list-style-type: none"><li>• android</li><li>• ios</li></ul> | android      |

## Response fields

| Field       | Description                                                                                                 |
|-------------|-------------------------------------------------------------------------------------------------------------|
| results     | Container for the results.                                                                                  |
| name        | Readily understandable version name.                                                                        |
| id          | app ID.                                                                                                     |
| value       | Obfuscated or null version name as returned by the call, " <a href="#">Get app data by id</a> " on page 111 |
| totalCount  | Total number of versions.                                                                                   |
| resultCount | Total number of versions retrieved.                                                                         |

## Sample Request

```
curl -X GET \  
  'https://[Ivanti EPMM]/api/v2/platform/versions/ios?adminDeviceSpaceId=1' \
```

## Sample Response

```
{  
  "results": [  
    {  
      "name": "4.0",  
      "id": 7,  
      "value": "8A293"  
    }  
  ],  
  "totalCount": 154,  
  "resultCount": 154  
}
```



# Valid fields Parameter Values

The fields parameter specifies the fields returned by an API call. The following list contains the values you can include with the "fields" parameter when performing device searches:

- android.afw\_capable
- android.attestation
- common.background\_status
- common.battery\_level
- common.client\_name
- common.client\_version
- common.clientId
- common.comment
- common.compliant
- common.creation\_date
- common.current\_phone\_number
- common.data\_protection\_enabled
- common.data\_protection\_reasons
- common.device\_admin\_enabled
- common.device\_is\_compromised
- common.device\_space\_name
- common.ccm\_migration\_status
- common.home\_country\_name

- common.home\_operator\_name
- common.id
- common.imei
- common.imsi
- common.ip\_address
- common.language
- common.last\_connected\_at
- common.locale
- common.manufacturer
- common.mdm\_managed
- common.memory\_capacity
- common.memory\_free
- common.miclient\_last\_connected\_at
- common.model
- common.noncompliance\_reasons
- common.os\_version
- common.owner
- common.platform
- common.platform\_name
- common.quarantined
- common.quarantined\_reasons
- common.registration\_date
- common.status
- common.storage\_capacity

- common.storage\_capacity
- common.storage\_free
- common.uuid
- custom.device.attribute\_name
- ios.DataRoamingEnabled
- ios.DeviceName
- ios.iPhone%20ICCID(%20 is an URL encoded space)
- ios.iPhone%20MAC\_ADDRESS\_EN0 (%20 is an URL encoded space)
- ios.iPhone%20UDID (%20 is an URL encoded space)
- ios.iPhone%20VERSION(%20 is an URL encoded space)
- ios.wakeup\_status
- user.display\_name
- user.email\_address
- user.user\_id



# Query Operators and Search Fields

This chapter describes the query operators and search fields that you can use with the query parameter.

## Valid Query Operators

The query parameter supports the following operators:

| Priority | Operator           | Operation                                     |
|----------|--------------------|-----------------------------------------------|
| 1        | =                  | Equals and case-insensitive string comparison |
| 2        | >                  | Is greater than                               |
| 3        | >=                 | Is greater than or equal to                   |
| 4        | <                  | Is less than                                  |
| 5        | <=                 | Is less than or equal to                      |
| 6        | "contains"         | Case-insensitive substring matching           |
| 7        | "starts with"      | Case-insensitive prefix matching              |
| 8        | !=                 | Not Equals                                    |
| 9        | "does not contain" | Case-insensitive substring exclusion          |
| 10       | "is empty"         | Is empty                                      |
| 11       | "is not empty"     | Is not empty                                  |

## Valid Search Fields

The device search fields include:

- those that are common to all
- Android-only

- iOS-only
- Windows-Phone-only
- user-related, including LDAP.

## Common Device Search Fields

Field name format:

`"common.<field_name>"`

| Field                 | Data Type        | Sample Data                          | Description                                                                                                                |
|-----------------------|------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| apns_capable          | boolean          | e43f9c41484baf6601b2e80f7390fe195df5 |                                                                                                                            |
| background_status     | string           |                                      | Background Status:0=Enabled, 1=Denied by User, 2=Disabled by Policy, 3=Device not supported, 4=OS not supported, 5=Unknown |
| battery_level         | long             | 15                                   |                                                                                                                            |
|                       |                  | 99                                   |                                                                                                                            |
| blocked_reasons       | array of strings | 2                                    |                                                                                                                            |
| blocked               | boolean          | 2                                    |                                                                                                                            |
| cellular_technology   | string           | GSM                                  |                                                                                                                            |
| client_id             | long             | 1073741831                           |                                                                                                                            |
| client_name           | string           | com.mobileiron                       |                                                                                                                            |
| client_build_date     | date             | Aug 29 2013 13:02:18                 |                                                                                                                            |
| client_version        | string           | 5.7.0.1.17R                          |                                                                                                                            |
|                       |                  |                                      |                                                                                                                            |
| comment               | string           |                                      |                                                                                                                            |
| noncompliance_reasons | array of strings | 3                                    |                                                                                                                            |
| compliant             | boolean          | 3                                    |                                                                                                                            |
| creation_date         | date             |                                      |                                                                                                                            |

| Field                   | Data Type            | Sample Data   | Description |
|-------------------------|----------------------|---------------|-------------|
| current_country_code    | string               | US            |             |
| current_country_name    | string               | United States |             |
| current_operator_name   | string               | AT&T          |             |
| current_phone_number    | string               | PDA           |             |
| data_protection_enabled | boolean              |               |             |
| data_protection_reasons | array of strings     |               |             |
| device_admin_enabled    | boolean              |               |             |
| device_is_compromised   | boolean              |               |             |
| device_space_ids        | array of long values |               |             |
| device_space_name       | string               |               |             |
| device_space_path       | string               |               |             |
| display_size            | string               | 1184X768      |             |
|                         |                      | 768x1280      |             |
| eas_last_sync_time      | date                 |               |             |
| ethernet_mac            | string               | 10DDB1F23C06  |             |
| home_country_code       | string               | FR            |             |

| Field                     | Data Type | Sample Data                                                                | Description |
|---------------------------|-----------|----------------------------------------------------------------------------|-------------|
| home_country_name         | string    | France                                                                     |             |
| home_operator_name        | string    | France Telecom                                                             |             |
| home_phone_number         | string    | PDA                                                                        |             |
| id                        | long      | 5                                                                          |             |
| imei                      | string    |                                                                            |             |
|                           |           |                                                                            |             |
|                           |           |                                                                            |             |
| imsi                      | string    |                                                                            |             |
| ip_address                | string    | 169.254.80.80, fe80::7091:fe10:7d67:ed67<br>172.16.2.123                   |             |
|                           |           |                                                                            |             |
| language                  | string    | English                                                                    |             |
| language_id               | long      |                                                                            |             |
| lang_country_id           | long      | 5                                                                          |             |
| last_connected_at         | date      | Internal business logic is used to determine which timestamp gets indexed. |             |
| locale                    | string    | en-US<br>es-US                                                             |             |
|                           |           |                                                                            |             |
| location_last_captured_at | date      | 1383608236206                                                              |             |
| location                  | geo_point | 37.396003<br>-122.056255                                                   |             |
|                           |           |                                                                            |             |
| manufacturer              | string    | Apple                                                                      |             |

| Field                                   | Data Type | Sample Data                                                         | Description |
|-----------------------------------------|-----------|---------------------------------------------------------------------|-------------|
| memory_capacity                         | long      | 832.44M                                                             |             |
|                                         |           | 3220754432                                                          |             |
| memory_free                             | long      | 326.89M                                                             |             |
|                                         |           | 1802539008                                                          |             |
| mdm_managed                             | boolean   | t                                                                   |             |
| mdm_tos_accepted                        | boolean   | true                                                                |             |
| mdm_to_accepted_date                    | date      | 1418672009316                                                       |             |
| model                                   | string    | iPad, 4th gen                                                       |             |
| model_name                              | string    | Virtual Machine                                                     |             |
|                                         |           |                                                                     |             |
| os_version                              | string    | iPhone OS 6.1.3 (10B329)<br><br>17<br><br>8.0.10327.77<br><br>6.1.3 |             |
|                                         |           |                                                                     |             |
|                                         |           |                                                                     |             |
|                                         |           |                                                                     |             |
| owner                                   | string    | f                                                                   |             |
| pending_device_passcode                 | string    | 123456                                                              |             |
| pending_device_passcode_expiration_time | date      |                                                                     |             |
| platform_name                           | string    | iOS 7.1                                                             |             |
| platform                                | string    | l                                                                   |             |

| Field                      | Data Type           | Sample Data                                                      | Description                                                                                                                 |
|----------------------------|---------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| processor_<br>architecture | string              | ARM                                                              |                                                                                                                             |
|                            |                     | armeabi-v7a                                                      |                                                                                                                             |
|                            |                     | 5                                                                |                                                                                                                             |
|                            |                     | Intel64 Family 6 Model 58 Stepping 9                             |                                                                                                                             |
| quarantined_<br>action     | long                |                                                                  |                                                                                                                             |
| quarantined_<br>reasons    | array of<br>strings | 32768                                                            |                                                                                                                             |
| quarantined                | boolean             | 32768                                                            |                                                                                                                             |
| registration_date          | date                | 1390244908000                                                    |                                                                                                                             |
| registration_imsi          | string              | 310260000000000                                                  |                                                                                                                             |
| registration_uuid          | string              | c36f759717140acf<br><br>AB7C0056-C1BE-4096-B630-<br>A54376DEDA4F | This is from the<br>miclient, a randomly<br>generated UUID to<br>identify registration<br>information for this<br>miclient. |
| retired                    | boolean             | f                                                                |                                                                                                                             |
| roaming                    | boolean             | f                                                                |                                                                                                                             |
| security_state             | string              | Ok<br><br>1                                                      | Indicates whether a<br>device has been<br>rooted or jailbroken.                                                             |
| SerialNumber               | string              | DMQL3K0RF182                                                     |                                                                                                                             |
| status                     | string              | a                                                                |                                                                                                                             |
| storage_capacity           | long                | 6627926015.9999999463129088                                      |                                                                                                                             |
| storage_free               | long                | 5725888511.9999999463129088                                      |                                                                                                                             |

| Field            | Data Type | Sample Data                                               | Description |
|------------------|-----------|-----------------------------------------------------------|-------------|
| uuid             | string    | c5e6872e-3a4b-4fbd-bb2b-...                               |             |
| wifi_mac_address | string    | 00:15:5D:9A:FC:6B<br><br>A88808C9332C<br><br>40b0fac53dbd |             |

## Android-Only Device Search Fields

Field name format:

"android.<field\_name>"

| Field                   | Data Type | Sample Data               | Description                                                               |
|-------------------------|-----------|---------------------------|---------------------------------------------------------------------------|
| admin_activated         | boolean   | TRUE                      |                                                                           |
| attestation             | string    | true                      |                                                                           |
| afw_capable             | boolean   | true                      |                                                                           |
| brand                   | string    | google                    |                                                                           |
| c2dmToken               | string    | APA91bF0OvND3ubyu...      |                                                                           |
| codename                | string    | REL                       |                                                                           |
| device                  | string    | mako                      |                                                                           |
| device_roaming_flag     | string    | off                       |                                                                           |
| gcmToken                | boolean   | non null=true, null=false |                                                                           |
| incremental             | string    | 573038                    | The firmware version on the device.                                       |
| knox_version            | string    |                           |                                                                           |
| manufacturer_os_version | string    |                           |                                                                           |
| mdm_enabled             | boolean   | TRUE                      |                                                                           |
| media_card_capacity     | long      | 5803.04M                  |                                                                           |
| media_card_free         | long      | 5562.67M                  |                                                                           |
| multi_mdm               | boolean   | FALSE                     | Indicates that there is more than one device administrator on the device. |
| os_build_number         | string    | JDQ39                     |                                                                           |

| Field                          | Data Type | Sample Data   | Description                                                                                                                                                      |
|--------------------------------|-----------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| os_update_status               | string    | OK            | Indicates whether an OS update is available.<br>Values include:<br>Unavailable, Available, Unsupported.<br><br>Status of ROM update for devices that support it. |
| platform_flags                 | string    | 0x3           | A flag that identifies device capabilities.                                                                                                                      |
| samsung_dm                     | string    |               |                                                                                                                                                                  |
| secure_apps_encryption_enabled | boolean   | "Ready"       |                                                                                                                                                                  |
| secure_apps_encryption_mode    | string    |               |                                                                                                                                                                  |
| secure_apps_enabled            | boolean   | "not enabled" | Indicates whether secure apps are enabled on the device.                                                                                                         |
| security_detail                | string    | "0"           | A bitmask, 32 bit hex number, representing all detected threads that have compromised the device.                                                                |
| usb_debugging                  | boolean   | off           |                                                                                                                                                                  |
| zebra_ota_capable              | boolean   | true          | Indicates whether the device is Zebra LifeGuard OTA capable.                                                                                                     |

## iOS and OS X Device Search Fields

Field name format:

"ios.<field\_name>"

| Field                       | Data Type | Sample Data                             | Description                                                                                             |
|-----------------------------|-----------|-----------------------------------------|---------------------------------------------------------------------------------------------------------|
| Activation Lock Bypass Code | string    | JX17H-R0A7Z-E06R-X923-VUF8-81F3         |                                                                                                         |
| Activation Lock Is Enabled  | boolean   | false                                   |                                                                                                         |
| apnsToken                   | string    | e43f9c41484baf6601b2e80f7390fe195df5... |                                                                                                         |
| BluetoothMAC                | string    | A88808C93459                            |                                                                                                         |
| BuildVersion                | string    | 5.1                                     |                                                                                                         |
| CarrierSettingsVersion      | string    | 11.0                                    |                                                                                                         |
| Current MCC                 | string    | 310                                     |                                                                                                         |
| Current MNC                 | string    | 410                                     |                                                                                                         |
| DataRoamingEnabled          | boolean   | false                                   |                                                                                                         |
| data_protection             | string    |                                         |                                                                                                         |
| DeviceName                  | string    | Rui's iPad                              |                                                                                                         |
| forceEncryptedBackup        | boolean   | TRUE                                    |                                                                                                         |
| HardwareEncryptionCaps      | long      | 3                                       | Hardware encryption capabilities, bitfield:bit 0: block-level encryption, bit 1: file-level encryption. |
| help_desk_enabled           | boolean   |                                         |                                                                                                         |
| iCloud Backup Is Enabled    | boolean   | true                                    |                                                                                                         |

| Field                  | Data Type | Sample Data                           | Description                                                                                                                                                                                             |
|------------------------|-----------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| iOSBackgroundStatus    | string    | 0                                     | A value the client returns, indicating its status. Possible values are:<br><br>0=Enabled,<br>1=Denied by User,<br>2=Disabled by Policy,<br>3=Device not supported,<br>4=OS not supported,<br>5=Unknown. |
| ip_address             | string    | 172.16.2.123                          |                                                                                                                                                                                                         |
| iPhone ICCID           | string    |                                       |                                                                                                                                                                                                         |
| iPhone PRODUCT         | string    | iPad3,4                               |                                                                                                                                                                                                         |
| iPhone UDID            | string    | b37aea9c3883e5a0ddfadab5d82d7ea2d4... |                                                                                                                                                                                                         |
| iPhone VERSION         | string    | 10B329                                |                                                                                                                                                                                                         |
| iPhone MAC_ADDRESS_EN0 | string    | 4CECE5D3A198                          |                                                                                                                                                                                                         |
| iPhone UserLongName    | string    | John Smith                            |                                                                                                                                                                                                         |
| iPhone UserShortName   | string    | John                                  |                                                                                                                                                                                                         |

| Field                         | Data Type | Sample Data                          | Description                                                                                                                                                     |
|-------------------------------|-----------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| iPhone UserID                 | string    | BF3DDF91-3CB7-40A5-B2F4-2F0E77167113 |                                                                                                                                                                 |
| IsDEPEnrolledDevice           | boolean   | true                                 |                                                                                                                                                                 |
| IsDeviceLocatorServiceEnabled | boolean   | true                                 | Returns MDM data when sending a request for device information on devices running iOS 7 through the most recently released version as supported by Ivanti, Inc. |
| IsDoNotDisturbInEffect        | boolean   | true                                 |                                                                                                                                                                 |
| iTunes Store Account Hash     | string    | EPMtjvzUBKKvhUJA9VOyvrQXkJI=         |                                                                                                                                                                 |

| Field                      | Data Type | Sample Data            | Description                                                                                                                                                                                        |
|----------------------------|-----------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| iTunesStoreAccountIsActive | boolean   | false                  | Indicates whether the device user is logged into an active Apple App Store account on devices running iOS 7 and OS X 10.9 through the most recently released versions as supported by Ivanti, Inc. |
| it_policy_result           | long      | 1                      |                                                                                                                                                                                                    |
| Last iCloud Backup Date    | string    | 2014-07-25 11:58:38 PM |                                                                                                                                                                                                    |
| ModemFirmwareVersion       | string    | 04.11.08               |                                                                                                                                                                                                    |
| ProductName                | string    | iPad3,4                |                                                                                                                                                                                                    |
| PasscodePresent            | boolean   | FALSE                  | Indicates whether an MDM passcode is present (TRUE or FALSE).                                                                                                                                      |

| Field                           | Data Type | Sample Data | Description                                                                                                 |
|---------------------------------|-----------|-------------|-------------------------------------------------------------------------------------------------------------|
| PasscodeIsCompliantWithProfiles | boolean   | TRUE        | Indicates whether the passcode of the MDM data user is compliant with the passcode profile (TRUE or FALSE). |
| PasscodeIsCompliant             | boolean   | TRUE        |                                                                                                             |
| Personal Hotspot Enabled        | boolean   | false       |                                                                                                             |
| security_reason_code            | string    | 0x40000000  |                                                                                                             |
| Supervised                      | boolean   | FALSE       |                                                                                                             |
| signal_strength                 | long      | 31          |                                                                                                             |
| SIM MCC                         | string    | 310         |                                                                                                             |
| SIM MNC                         | string    | 410         |                                                                                                             |
| Subscriber Carrier Network      | string    | AT&T        |                                                                                                             |
| Voice Roaming Enabled           | boolean   | N/A         |                                                                                                             |
|                                 |           | false       |                                                                                                             |
|                                 |           | true        |                                                                                                             |
| vpn_ip_address                  | string    |             |                                                                                                             |
| Wakeup Status                   | integer   | 0           |                                                                                                             |

## Windows Phone and Surface Device Search Fields

Field name format:

"windows\_phone.<field\_name>"

| Field                   | Data Type | Sample Data                                             | Description                                                                                                                                                                                                                                                                                                              |
|-------------------------|-----------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dm_client_version       | double    | 1.3                                                     |                                                                                                                                                                                                                                                                                                                          |
| network_adapter         | string    | Hyper-V Virtual Ethernet Adapter #2                     |                                                                                                                                                                                                                                                                                                                          |
| processor_type          | string    | Intel(R) Ivanti EPMM(TM) i5-3570 CPU @ 3.40GHz          |                                                                                                                                                                                                                                                                                                                          |
| wns_channel_url         | string    | https://bn1.notify.windows.com/?token=AgYAAAC1r8nFA5Uhc |                                                                                                                                                                                                                                                                                                                          |
| wp_cert_renew_timestamp | date      | 0                                                       | Optional. The time in OMA DM (Open Mobile Alliance Device Management) standard time format. This node and the SignedCertRenewTimeStamp node are designed to reduce the risk of the certificate being used by another phone. The phone records the time that the new certificate was created. Supported operation is Get. |

| Field               | Data Type | Sample Data                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|-----------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| wp_ent_dm_id        | long      | 0                                 | Optional. Character string that contains the device ID. This node and the nodes CertRenewTimeStamp and SignedCertRenewTimeStamp can be used by the mobile device management server to verify client identity, so as to update the registration record after the phone certificate is renewed. The phone signs the EntDMID with the old client certificate during the certificate renewal process, and saves the signature locally. Supported operation is Get. |
| wp_exchange_id      | string    | 37D9EC65D7F9CC35AF5B8B944256361A  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| wp_firmware_version | string    | 3045.0000.1328.2046               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| wp_hardware_version | string    | 1.0.0.0                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| wp_local_time       | date      | 2013-10-22T20:08:07.0000258-04:00 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Field                         | Data Type | Sample Data | Description |
|-------------------------------|-----------|-------------|-------------|
| wp_processor_type             | long      | 0           |             |
| wp_signed_ent_dm_id           | long      | 0           |             |
| wp_management_service_address | string    |             |             |
| wp_mpnns_notification_uri     | string    |             |             |
| wp_os_platform                | string    |             |             |
| wp_radio_swv                  | string    |             |             |
| wp_publisher_device_id        | string    |             |             |
| wp_ent_device_name            | string    |             |             |

## User-Related Device Search Fields

The set of user-related device search fields include:

- local user search fields
- LDAP search fields

## Local User Device Search Fields

Field name format:

"user.<field\_name>"

| Field                        | Data Type | Sample Data                          |
|------------------------------|-----------|--------------------------------------|
| email_address                | string    | bsmith@mobileiron.com                |
| display_name                 | string    | BlargleFalargle                      |
| first_name                   | string    | Bob                                  |
| last_admin_portal_login_time | date      | 1382485711228                        |
| last_name                    | string    | Smith                                |
| user_id                      | string    | blargle                              |
| uuid                         | string    | d0cae3dd-a3dd-46b8-8f5a-564cbe9152ac |

## LDAP-User Device Search Fields

LDAP-related search fields include:

- basic LDAP-related device search fields
- groups

Basic LDAP-User Device Search Fields

Field name format:

"user.ldap.<field\_name>"

| Field     | Data Type |
|-----------|-----------|
| attr_dn   | string    |
| dn        | string    |
| locale    | string    |
| principal | string    |
| upn       | string    |

## LDAP User-Attributes Device Search Fields

Field name format:

"user.ldap.user\_attributes.<field\_name>"

| Field                                            | Data Type        |
|--------------------------------------------------|------------------|
| custom1                                          | string           |
| custom2                                          | string           |
| custom3                                          | string           |
| custom4                                          | string           |
|                                                  | string           |
|                                                  | string           |
|                                                  | string           |
|                                                  | string           |
| <dynamically created user-attribute field names> | array of strings |

## LDAP-Group Device Search Fields

Field name format:

"user.ldap.groups.<field\_name>"

| Field | Data Type |
|-------|-----------|
| dn    | string    |
| name  | string    |

## Value Enumerations

### Values for the "platform" Device Search Field

| Value         |
|---------------|
| Android       |
| iOS           |
| OS X          |
| Windows       |
| Windows Phone |

**Values for the "platform\_name" Device Search Field**

| Value         |
|---------------|
| Android       |
| Android 1.6   |
| Android 2.0   |
| Android 2.0.1 |
| Android 2.1   |
| Android 2.2   |
| Android 2.3   |
| Android 3.0   |
| Android 3.1   |
| Android 4.0   |
| Android 4.0.1 |
| Android 4.0.2 |
| Android 4.0.4 |
| Android 4.1   |
| Android 4.2   |
| Android 4.3   |
| Android 4.4   |
| AppleTV       |
| AppleTV 7.0   |
| BlackBerry    |
| iOS           |
| iOS 4.0       |
| iOS 4.1       |

| Value             |
|-------------------|
| iOS 4.2           |
| iOS 4.3           |
| iOS 5.0           |
| iOS 5.1           |
| iOS 6.0           |
| iOS 6.1           |
| iOS 7.0           |
| iOS 7.1           |
| OS X              |
| OS X 10.7         |
| OS X 10.8         |
| OS X 10.9         |
| Web App Platform  |
| Windows           |
| Windows 10        |
| Windows 8.1       |
| Windows Phone     |
| Windows Phone 8   |
| Windows Phone 8.1 |

### Values for the "status" Device Search Field

| Enum Name            | Meaning             |
|----------------------|---------------------|
| ACTIVE               | Active              |
| BLOCKED              | Blocked             |
| IENROLL_VERIFIED     | Enrollment verified |
| IENROLL_INPROGRESS   | Enrolling           |
| IENROLL_COMPLETE     | Enrolled            |
| INFECTED             | Infected            |
| LOST                 | Lost                |
| RETIRED              | Retired             |
| VERIFIED             | Verified            |
| VERIFICATION_PENDING | Pending             |
| EXPIRED              | Expired             |
| WIPED                | Wiped               |
| WIPE_PENDING         | Wipe pending        |
| UNKNOWN              | Unknown status      |

### Values for the "owner" Device Search Field

| Name     | Meaning                          |
|----------|----------------------------------|
| COMPANY  | Company-owned device             |
| EMPLOYEE | Employee-owned (personal) device |

## Array Value Enumerations

### Values for the "blocked\_reasons", "noncompliance\_reasons", and "quarantined\_reasons" Device Search Fields

Each of the fields that use these values have an associated field to determine whether any reasons were set or not. For example, if a device is blocked, then the "blocked\_reasons" field has a list of reasons, and the "blocked" field is 'true'.

| Enum Name              | Meaning                                            | Hexadecimal Value |
|------------------------|----------------------------------------------------|-------------------|
| ALLOWED_APP_CONTROL    | Allowed app control policy is out of compliance    | 0x004000          |
| APP_CONTROL            | App control policy is out of compliance            | 0x000040          |
| ATTESTATION_FAILED     | Attestation failed.                                | 0x010000          |
| AUTO_BLOCK             | Device is not registered                           | 0x000100          |
| COMPROMISED            | Device state is compromised                        | 0x000001          |
| DATA_PROTECTION        | Data Protection is not enabled                     | 0x000008          |
| DEVICE_ADMIN_DEACTIVE  | Device administrator is deactivated                | 0x000800          |
| DEVICE_OUT_OF_CONTACT  | Phone is out of contact                            | 0x000020          |
| DISALLOWED_APP_CONTROL | Disallowed app control policy is out of compliance | 0x001000          |
| EXCHANGE               | Exchange-reported                                  | 0x000400          |
| HW_VERSION             | Hardware revision is not allowed                   | 0x000004          |
| LOGGED_OUT             | User logged out                                    | 0x008000          |
| MANUAL                 | Device is manually blocked                         | 0x000200          |
| OS_VERSION             | OS version is less than the supported OS version   | 0x000002          |
| PER_MAILBOX_LIMIT      | Device exceeds per mailbox limit                   | 0x000080          |
| POLICY_OUT_OF_DATE     | Policy is out of date                              | 0x000010          |
| REQUIRED_APP_CONTROL   | Required app control policy is out of compliance   | 0x002000          |
| UNKNOWN                | Unknown reason                                     | 0x400000          |