Ivanti EPMM 12.0.0.0 -12.5.0.0 V2 API Guide

April 2025

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Revision history

Date	Description
April 24, 2025	Updated for Ivanti EPMM 12.5.0.0.
February 10, 2025	Updated for Ivanti EPMM 12.4.0.0.
November 05, 2024	Updated for Ivanti EPMM 12.3.0.0.
September 10, 2024	Updated for Ivanti EPMM 12.2.0.0.
April 30, 2024	Updated for Ivanti EPMM 12.1.0.0.
March 11, 2024	Updated for Ivanti EPMM 12.0.0.0.
Nov 16, 2023	Updated for Ivanti EPMM 11.12.0.0: • Updated documentation for the call, "Get custom attribute definitions" on page 507.
Aug 21, 2023	Updated for Ivanti EPMM 11.11.0.0: • Added documentation of the call, "Get ldap stale entity summary" on page 52. • Updated documentation for the call, "Wipe devices" on page 401.
May 16, 2023	Updated for Ivanti EPMM 11.10.0.0: • Updated the documentation of the call, "Wipe devices" on page 401, including information about the new preserveDataPlan parameter. • Added documentation for the call, "Get apps which have "per-app vpn by label only" unselected and VPNs configured" on page 281.
February 28, 2023	• Updated branding for Ivanti EPMM 11.9.0.0. • Added deviceInfo header information to the call, "Get MDM profile" on page 431.

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Date	Description
November 7, 2022	• Updated for Ivanti EPMM 11.8.0.0. ◦ "Core" re-branded as "Ivanti EPMM." ◦ Added documentation for the following calls: ◦ "Add an Apple license account" on page 642 ◦ "Delete an Apple license account" on page 646
July 27, 2022	Removed documentation for the Search Google Play by Keyword API because Android Enterprise now handles the search.
July 18, 2022	• Added note to the documentation for the call, "Update app data" on page 212 , that to update Android For Work app data, a valid license value for androidWorkSelfHostedApkLicense is mandatory. • Added the "additionalParameters":{"isActionForced":true} parameter to the documentation for the call, "Retire devices" on page 411, that enables force retirement of devices in the RETIRE PENDING state. • Added new call, "Include battery health information in Android device details" on page 365. • Added the isFileTransferConfigAttribute return field to the documentation for the call, "Get custom attribute definitions" on page 507.
April 18, 2022	Added the call, "Self-register a device" on page 326.
April 1, 2022	• Updated for Ivanti EPMM 11.6.0.0 • Added the call, "Verify Ivanti EPMM/SCEP Connectivity" on page 569.
January 5, 2022	• Updated for Ivanti EPMM 11.5.0.0 • Updated the admindDeviceSpaceId parameter to be a request body parameter rather than query parameter in the call, "Initiate the processing of certificate details to be exported" on page 535.

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Date	Description
October 13, 2021	Added the call, "Change SCEP challenge password" on page 567.
September 29, 2021	• Updated for Ivanti EPMM 11.4.0.0. • Clarified the password parameter for the call, "Upload user-provided certificate" on page 551.
July 1, 2021	**Content changes for rebranding and distribution:** Product documentation has been rebranded to align with Ivanti standards and is now available on the Ivanti Product Documentation page.
May 12, 20121	Added the section, "JSESSIONID and CSRF_NONCE Required for Multipart Calls" on page 17.
September 8, 2020	Added the call "Get list of labels for a specific device" on page 502
August 31, 2020	• Added the call "Get Embedded Identity Document (EID) details" on page 378. • Added the call "Get MDM profile" on page 431. • Removed these deprecated legacy calls from the API Guide: ◦ Upload user-provided certificate - Legacy ◦ Delete user-provided certificates - Legacy ◦ Get list of user provided certificate enrollment ID information with associated certificate details - Legacy ◦ Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy

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Date	Description
	• Use these replacement calls that were introduced in March 2020: ◦ "Upload user-provided certificate" on page 551. ◦ "Get list of user provided certificate enrollment ID information with associated certificate details" on page 557. ◦ "Get list of all user provided certificate enrollment IDs' information with associated certificate details." on page 560. ◦ "Delete user-provided certificates" on page 555.
June 23, 2020	Added note to the call, "Create custom attribute definition" on page 516, that you cannot create more than 300 custom attribute definitions.
April 13, 2020	• Added note on how to get the value of the CEid parameter to the call, "Upload user-provided certificate" on page 551. • Removed hyphenation from sample requests.

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Date	Description
March 10, 2020	• Added the following calls: ◦ "Upload user-provided certificate" on page 551. ◦ "Get list of user provided certificate enrollment ID information with associated certificate details" on page 557. ◦ "Get list of all user provided certificate enrollment IDs' information with associated certificate details." on page 560. ◦ "Delete user-provided certificates" on page 555. These calls are replacements for the calls listed below, which will be deprecated six months after March 10, 2020: ◦ Upload user-provided certificate - Legacy ◦ Delete user-provided certificates - Legacy ◦ Get list of user provided certificate enrollment ID information with associated certificate details - Legacy ◦ Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy
March 4, 2020	Added: • The section, "GDPR Consideration" on page 15, describing the impact of GDPR profiles on API call returns. • zebra_ota_capable as a valid Android search field in "Android-Only Device Search Fields" on page 678.

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Date	Description
November 6, 2019	• Updated: ◦ "Upload an in house app" on page 196 for data type accuracy. ◦ "Update app data" on page 212 for parameter description accuracy, and to more fully explain the appData parameter. ◦ "Apply App to Labels with Track" on page 251 to change the **track** parameter to **trackId** and describe how to find the value for trackId; and to introduce the **mandatory** parameter. ◦ "Get minimumOsVersion Information" on page 663 to include the **android** option. ◦ "Import a Google Play app" on page 167, adding the following parameters: ◦ androidWorkManagedDeviceSilentInstall ◦ autoInstallMode ◦ autoInstallPriority ◦ networkTypeConstraint ◦ chargingStateConstraint ◦ deviceIdleStateConstraint

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Date	Description
	• Added: ◦ "Get the Android for Work schema of an app" on page 257. ◦ "Download an app definition file" on page 262. ◦ "Get the Android for Work permissions of an app" on page 267. ◦ "Get the Android for Work restrictions of an app" on page 269. ◦ "Add a Google Play app" on page 271.
July 17, 2019	Added the following calls: • "Import a Google Play app" on page 167 • "Open TeamViewer session" on page 414 • "Check device compliance" on page 418 • "Get device compliance and reason for non compliance" on page 421
May 16, 2019	• For the call, "Get app data by id" on page 115, which returns obfuscated minimumOsVersion information for iOS apps, added the call, "Get minimumOsVersion Information" on page 663, which provides readily understandable minimumOsVersion version information for iOS apps. • For the "Get information on all labels" on page 471, added information about how to get a valid value for " deviceUuids" on page 486 using a version of the call, "Search for devices" on page 311. • Added the rowType return field to the call, "Get information on all labels" on page 471. • Added the call, "Apply App to Labels with Track" on page 251.

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Date	Description
March 15, 2019	Added "Supported queries" on page 315 section to the "Search for devices" on page 311 call section.
March 14, 2019	Restored missing information to multiple tables.
September 14, 2018	• Fixed typographical error in an example call. • Replaced the terms, "Volume Purchase Plan," and VPP" with "Apple Licenses." • Updated the "Download the CSV file" on page 294 call from a GET to a POST, and updated the parameters and response fields.

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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 40

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- "Search for devices" on page 311

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**.

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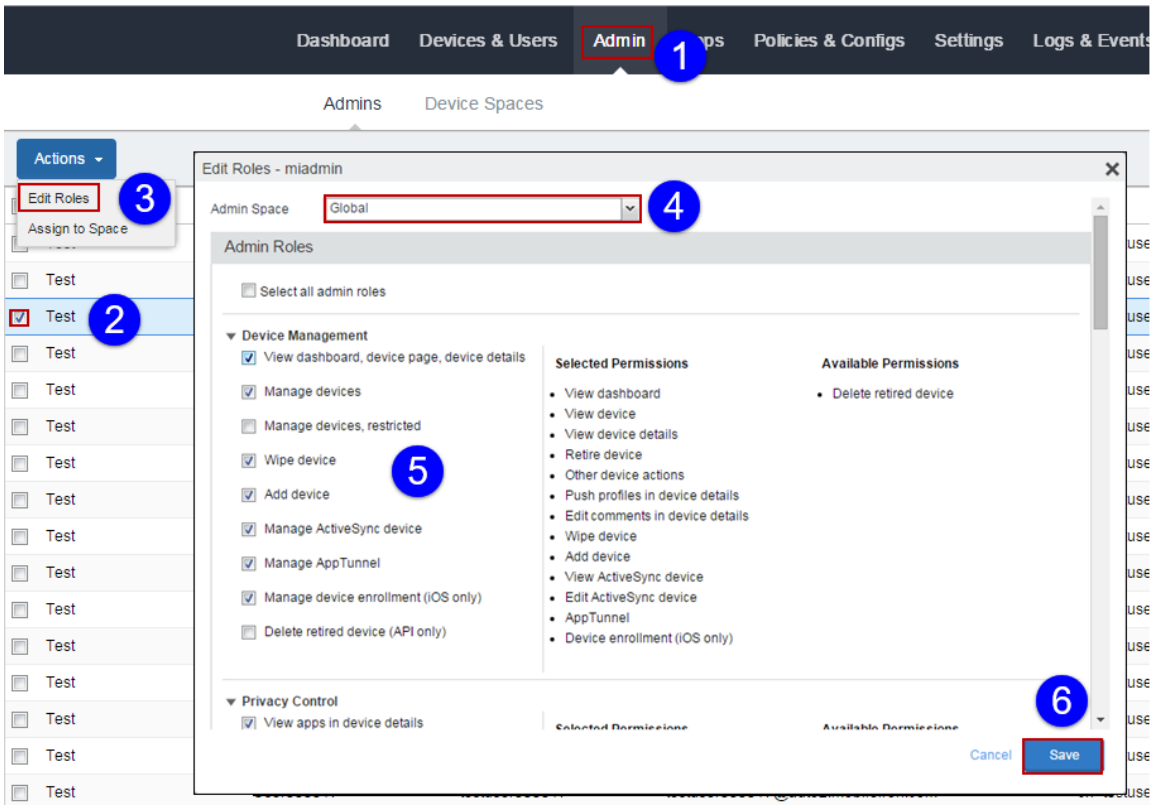

2. Select a user.
3. Select **Edit Roles**.
4. Select a device space to which to assign the admin user.
5. Use the check boxes to select the roles needed to make the desired API calls. See the “Required Role” section of each API call description to determine the required role for each API call.
6. Click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

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```
'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
```

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```
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:

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Response code	Description
200	Success.
400	Request error.
401	Authentication failed. The request must contain a valid user ID and password for the target Ivanti EPMM instance.
404	Page not found. Check the spelling of the URL.
405	Invalid HTTP method.
500	Internal server error. 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 346 requires that you send a **Content-Type** header as **application/json**.

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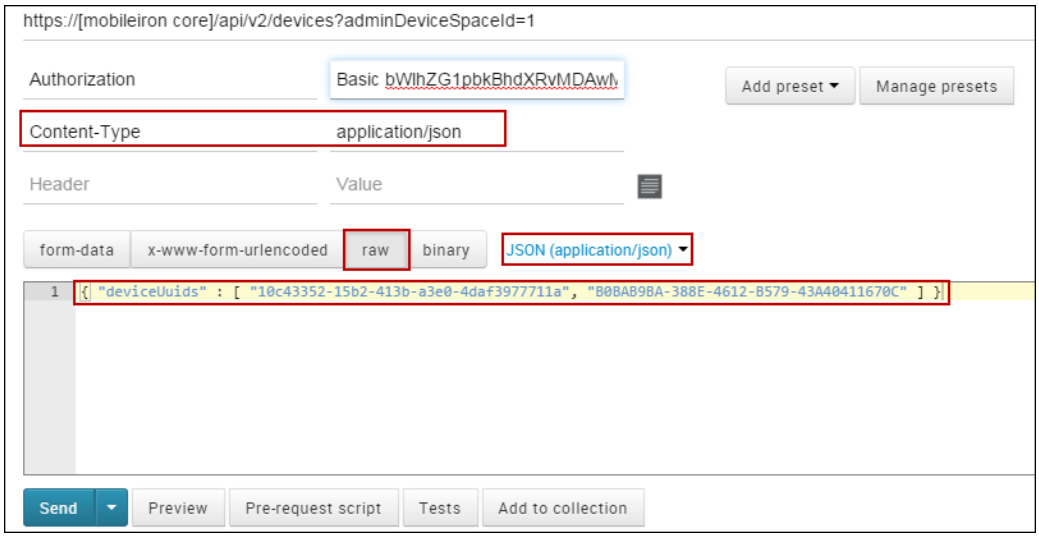

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API status check

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 15 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.

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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 "
  }
}
```

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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 15 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
Category: User Management **Role Description:** View user

HTTP method

GET

Request URI

/api/v2/authorized/users

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters 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	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 200 **Default:** 200 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	

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Parameter	Description	Sample Value
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC 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 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'
```

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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",
```


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```
        "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
}
```


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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 449 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 40, 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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

GET

Request URI

api/v2/admins/users

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Request parameters

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Parameter	Description	Sample Value
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters 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 "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	bsmith
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 200 **Default:** 200 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

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Parameter	Description	Sample Value
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC 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": [
```

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```
    {
      "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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

GET

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Request URI

api/v2/admins/ldap_entities

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required** **Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters 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 "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for ldap entities with the word “admin” in their name”)
type	**Required** **Parameter Type:** Query **Data Type:** String **Default:** ALL Type of LDAP entity to search. May be OU, GROUP, or USER	type=user (This value instructs the call to search for LDAP users)

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Parameter	Description	Sample Value
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000 **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 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.

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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 31, 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 15.

Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

GET

Request URI

api/v2/admins/user_summary

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000 **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	

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Parameter	Description	Sample Value
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters 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 "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for admin entities with the word “admin” in their name”)
page	**Parameter Type:** Query **Data Type:** integer Instructs the API on which page of results to start returning results.	1
start	**Parameter Type:** Query **Data Type:** integer Instructs the API at which record on the specified page of results to start returning results.	0

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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 EPMM]/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
            },
```


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```
{
  "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",
```


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```
  "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
},
```


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```
{
  "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",
```


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```
            "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 LADAP entity.

Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

GET

Request URI

api/v2/admins/ldap_entity_summary

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters 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 "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for ldap entities with the word “admin” in their name”)
type	**Required** **Parameter Type:** Query **Data Type:** Number	type=user (This value instructs the call to search for LDAP users)

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Parameter	Description	Sample Value
	Default: ALL Type of LDAP entity to search. May be OU, GROUP, USER, or ALL.	
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000 **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String	ASC

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Parameter	Description	Sample Value
	Default: ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	

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",
```

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```
      "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 LADAP entity.

Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

GET

Request URI

api/v2/admins/ldap_stale_entity_summary

Request parameters

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

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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
},
{
```


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```
"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 449, 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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

GET

Request URI

api/v2/admins/roles

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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 "Assign admins to device space" on page 449.
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.

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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"
```


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```
  ]
},
{
  "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",
```


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```
    "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)"
  ]
```


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```
    },
    {
      "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": [
```


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```
          "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"
        ]
      }
    ]
  },
  {
```


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```
  "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"
      ]
    },
```


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```
      {
        "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,
```


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```
      "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"
      ]
    },
    {
```


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```
      "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"
      ]
    }
  ]
},
{
```


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```
  "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"
      ]
    }
  ]
```


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```
},
{
  "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"
      ]
```


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```
},
{
  "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"
  ]
```


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```
        }
      ]
    }
  ],
  "totalCount": 12,
  "resultCount": 12
}
```


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Admin Actions Management

Get Action Types

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

Required Role

See "Authentication" on page 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

GET

Request URI

api/v2/admins/{source}/actions

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Request parameters

Parameter	Description	Sample Values
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
source	**Parameter Type:** Path **Data Type:** String 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. Sending a blank value for the source parameter returns all the categories and its action types. Sending **deviceDetails**, 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/**deviceDetails**/actions or api/v2/admins/actions

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Response fields

Field	Description
category	Returns the category name of logically grouped action types.
actions	An array containing all the action types under the category. Entries in this array have the following fields • **id**: Id of the action type • **name**: Action type name • **category**: Action type category • **displayName**: UI display name of the action type

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,
```

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```
  "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"
```


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```
},
{
  "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,
```


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


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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 15 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
Category: App Management **Role Description:** View app inventory

HTTP method

GET

Request URI

/api/v2/appinventory/apps

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Request parameters

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

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Parameter	Description	Sample Value
platformType	**Parameter Type:** Query **Data Type:** Char Specifies from which platform to return installed apps. Default to return apps from all platforms. **Valid values:** I, A, M, E, Q • I = iOS • A = Android • M = Windows Phone • E = Windows 10 and Windows 8.1 • Q = Web Application	A
query	**Parameter Type:** Query **Data Type:** String Specifies a search string for which to search in the app's name. For example, searching for "weather" would return the "AccuWeather" app.	weather
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	

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Parameter	Description	Sample Value
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC
summaryView	**Parameter Type:** Query **Data Type:** Boolean **Default:** false Summary view returns installed apps by app ID. 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'
```

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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
   "appDistributorId": null
  },
  {
   "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
   "appDistributorId": null
```


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```
    }
  ]
}
```

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 15 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
Category: Privacy Control **Role Description:** View apps in device details

HTTP method

GET

Request URI

/api/v2/devices/appinventory

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Request parameters

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

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Response fields

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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
appInstallDate	App install date
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

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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&deviceUuids=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
          "appDistributorId": null
        },
```

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```
{
  "name": "Android for Work App",
  "identifier": "com.google.android.apps.work.core",
  "version": "2.0.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "ANT Radio Service",
  "identifier": "com.dsi.ant.service.socket",
  "version": "4.14.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "ANT+ Plugins Service",
  "identifier": "com.dsi.ant.plugins.antplus",
  "version": "3.6.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Appium Settings",
  "identifier": "io.appium.settings",
```


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```
  "version": "1.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": 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
  "appDistributorId": null
},
{
  "name": "AT&T Protect Plus",
  "identifier": "com.asurion.android.mobilerecovery.att",
  "version": "8.76.4",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Beaming Service",
  "identifier": "com.mobeam.barcodeService",
  "version": "1.3.2 ",
  "platformType": "A",
  "status": null,
```


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```
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Box",
  "identifier": "com.box.android",
  "version": "3.7.5",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "C646963",
  "identifier": "com.testpackage.c646963",
  "version": "1.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "C919229",
  "identifier": "com.testpackage.c919229",
  "version": "2.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
```


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```
},
{
  "name": "Chrome",
  "identifier": "com.android.chrome",
  "version": "50.0.2661.89",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Drive",
  "identifier": "com.google.android.apps.docs",
  "version": "2.4.141.16.35",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Flipboard",
  "identifier": "flipboard.app",
  "version": "3.4.2",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Galaxy Apps",
```


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```
  "identifier": "com.sec.android.app.samsungapps",
  "version": "4.1.04-9",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Google Play Books",
  "identifier": "com.google.android.apps.books",
  "version": "3.8.15",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": 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
  "appDistributorId": null
},
{
  "name": "Google Play Movies & TV",
  "identifier": "com.google.android.videos",
  "version": "3.13.10",
  "platformType": "A",
```


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```
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Google Play Music",
  "identifier": "com.google.android.music",
  "version": "6.7.2713Z.2790541",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Google Play services",
  "identifier": "com.google.android.gms",
  "version": "9.2.56 (038-124593566)",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": 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
```


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```
  "appDistributorId": null
},
{
  "name": "Google Text-to-speech Engine",
  "identifier": "com.google.android.tts",
  "version": "3.8.16",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Google+",
  "identifier": "com.google.android.apps.plus",
  "version": "7.7.0.120011031",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Hangouts",
  "identifier": "com.google.android.talk",
  "version": "8.0.116581895",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
```


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```
  "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
  "appDistributorId": null
},
{
  "name": "Keeper",
  "identifier": "com.callpod.android_apps.keeper",
  "version": "10.0.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Lookout",
  "identifier": "com.lookout",
  "version": "9.39.1-f7e5585",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Maps",
  "identifier": "com.google.android.apps.maps",
  "version": "9.23.1",
```


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


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


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


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```
  "version": "3.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "System Info for Android",
  "identifier": "com.electricsheep.asi",
  "version": "1.26.2",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "TalkBack",
  "identifier": "com.google.android.marvin.talkback",
  "version": "4.4.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "TouchDown for SmartPhones",
  "identifier": "com.nitrodesk.droid20.nitroid",
  "version": "8.5.00094",
  "platformType": "A",
  "status": null,
```


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```
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Unlock",
  "identifier": "io.appium.unlock",
  "version": "1.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "Vysor",
  "identifier": "com.koushikdutta.vysor",
  "version": "1.0.0.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
},
{
  "name": "YouTube",
  "identifier": "com.google.android.youtube",
  "version": "11.13.56",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
  "appDistributorId": null
```


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```
        },
        {
          "name": "YP",
          "identifier": "com.yellowpages.android.ypmobile",
          "version": "5.8.1",
          "platformType": "A",
          "status": null,
          "vpnName": null,
          "configurations": null
          "appDistributorId": 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 15 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.

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Required Role
Category: App Management **Role Description:** View app inventory

HTTP method

GET

Request URI

/api/v2/appinventory/devices

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Request parameters

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

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Parameter	Description	Sample Value
platformType	Required; • Yes when appName or appId is used. • No when inventoryId is used. **Parameter Type:** Query **Data Type:** String Specifies from which platform to return installed apps. Default to return apps from all platforms. **Valid values:** I, A, M, E, Q • I = iOS • A = Android • M = Windows Phone • E = Windows 10 and Windows 8.1 • Q = Web Application	A
appDisplayVersion	**Parameter Type:** Query **Data Type:** String Specifies the version of the app.	5.1.20393
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	

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Parameter	Description	Sample Value
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String Valid Values: • **phonenumber** (device current phone number) • **username** (device user principal) • **platform** (device platform) • **version** (app inventory version)	phonenumber
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC

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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&sor
tOrder=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",
```


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```
      "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
    }
  ]
}
```


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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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

GET

Request URI

/api/v2/appstore/apps

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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Response fields

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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	

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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

```
{
```

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```
"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,
```


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```
      "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": [ ],
```


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```
      "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 15 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
Category: App Management **Role Description:** Manage app

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HTTP method

GET

Request URI

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

Request parameters

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

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iOS Response fields

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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	

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

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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 "Get minimumOsVersion Information" on page 663 to decode the minimumOsVersion value returned by this call.
apnsCertificate	
ipadOnly	
noCostApp	
provisioningProfile	
messagingSupported	
allowUpdateFromUnmanagedToManaged	
enforceUpdateFromUnmanagedToManaged	
profileExpirationDate	

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

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Android Response fields

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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	

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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	

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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	

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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	

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

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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.",
```


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```
    "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•\tWEEKLY
CHALLENGE: Play the weekly challenge and earn fun, themed badges\n•\tSOLO PLAY: Play
offline and sharpen your skills with solo play\n•\tHINDSIGHT: Uncover the best word
you could have played after each turn \n•\tWORD RADAR: Heat map reveals all possible
moves before you take a turn\n•\tPROFILE FRAMES: Show off your unique style with
custom profile frames \n•\tSMART MATCH: Connect with players of a similar skill with
Smart Match\n•\t6 LANGUAGES: Choose to play in Spanish, French, German, Italian,
Brazilian Portuguese and British English\n\n*Play 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\nhttps://twitter.com/WordsWFriends
 \nhttps://instagram.com/wordswithfriends \n\nWe love hearing from you! Have a
question or a suggestion? \nAsk questions here: http://zynga.tm/d01Tx  \nShare
suggestions here: http://zynga.tm/r02dY \n\nThank you for playing Words With
Friends!\n\nAdditional Information:\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,\nWe’ve updated our latest version with bug fixes and
improvements!\nMay The Best Friend Win\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=fef2
56c0-55bb-4fab-8b73-6790db3cbdce&ext=PNG"

    },

    "installer": null,

    "phoneScreenshots": [

      {

        "fileName": "screen-shot-0.png",
```


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```
        "uuid": "485f75da-fd29-402e-b906-099ba3207a11",

        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=485f
75da-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=cbdf
d6da-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=0410
18d2-88a3-4d8b-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=ac6c
f248-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=bb07
b4cf-456f-42fd-94a0-f6a5b419a2d1&ext=PNG"

      },

      {

        "fileName": "screen-shot-5.png",

        "uuid": "36609455-8a1b-4748-9b9f-bbaece68d559",
```


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```
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=3660
9455-8a1b-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=adb3
26c4-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=db77
38cc-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=3ffc
7873-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=0fbd
03e7-22a8-4dd3-b5db-d7be40ff2a83&ext=PNG"

      },

      {

        "fileName": "screen-shot-3.png",

        "uuid": "3e04a2e1-17c9-4fca-971d-633aab95f5f3",
```


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```
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=3e04
a2e1-17c9-4fca-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=117f
f378-0584-4cc6-82dc-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=8902
7db9-3fbc-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=56de
0099-6922-4002-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,
```


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```
    "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
```


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```
  },
  "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.",
```


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```
    "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=ce72
60f6-086a-4b73-b422-f7e17aa2479d&ext=PNG"

    },

    "installer": null,

    "phoneScreenshots": [

      {

        "fileName": "screen-shot-0.png",

        "uuid": "fd4f42e9-5fdb-4a9e-a5c3-ce71c69d7a49",
```


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```
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=fd4f
42e9-5fdb-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=8021
484d-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=706a
3467-9259-48f7-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=6e99
341f-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=6c3a
8c53-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=b60f
f489-a4b6-4840-908c-7b3f3a15f324&ext=PNG"

      },
```


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```
      {
        "fileName": "screen-shot-6.png",
        "uuid": "30d42977-c9e3-4ec8-83af-20688589e73a",
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=30d4
2977-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=0f4c
538e-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=b5b1
1f03-6943-466e-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=ee5d
36b9-436d-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=8f27
afa5-6130-4bc7-a10a-093f6de35a8d&ext=PNG"
      },
      {
        "fileName": "screen-shot-11.png",
        "uuid": "98a4e274-85a0-40c3-9675-589d8bc8c34f",
```


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```
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=98a4
e274-85a0-40c3-9675-589d8bc8c34f&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,
```


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```
    "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",
```


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```
            "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"

          },
```


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```
          {
            "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.",
```


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```
            "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": [
          {
```


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```
            "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"
          },
```


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```
          {
            "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.",
```


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```
            "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,
```


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```
            "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"
          }
        ]
      },
      {
```


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```
        "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,
```


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```
            "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,
```


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```
            "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",
```


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```
            "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."
    }
  ]
```


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```
}
```

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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

GET

Request URI

api/v2/appstore/itunes

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Request parameters

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

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Response fields

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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	

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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	

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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",

      "artworkUrl512":
"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",
```


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```
      "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",
```


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```
        "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-eecb-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",
```


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```
        "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 15 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.

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Required Role
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

api/v2/appstore/itunes

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Request parameters

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

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Response fields

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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	

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

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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",
```


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"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\u00ae 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": [

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```
 ],
 "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 floowing app settings:

- Silent install
- Block uninstall
- Android for Work

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- 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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

api/v2/appstore/googleplay/quickimport

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
bundleId	**Required** **Parameter Type:** Query **Data Type:** String The bundleID of the Google Play app to import. You can use the call, "App Store Management" on page 109 to find the bundleID.	com.spotify.music
androidWork	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to manage the app with Android for Work. Valid values: • true • false	"androidWork":"true",

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Parameter	Description	Sample Value
autoUpdate	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to allow auto update of the app. Valid values: • true • false	"autoUpdate":"true",
androidWorkSilentInstall	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to allow silent install of the app. Valid values: • true • false	"androidWorkSilentInstall":"false",

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Parameter	Description	Sample Value
blockWidget	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to block intalling the app as a widget. Valid values: • true • false	"blockWidget":"true",
androidWorkBlockUninstall	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to block uninstall of the app. Valid values: • true • false	"androidWorkBlockUninstall":"true",

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Parameter	Description	Sample Value
androidWorkQuarantineApp	**Required** **Parameter Type:** Request body **Data Type:** Boolean Specifies whether to quarantine the app when the device is quarantined. Valid values: • true • false	"androidWorkQuarantineApp":"false"
androidWorkManagedDeviceSilentInstall	**Parameter Type:** Request body **Data Type:** Boolean Specifies whether this will be a Android managed device silent install. Valid values: • true • false	"androidWorkManagedDeviceSilentInstall":"false",

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Parameter	Description	Sample Value
autoInstallMode	**Parameter Type:** Request body **Data Type:** String Specifies the type of install. Valid values: • forceAutoInstall • autoInstallOnce	"autoInstallMode": "forceAutoInstall",
autoInstallPriority	**Parameter Type:** Request body **Data Type:** String Specifies the priority of the install Valid values: • high • medium • low	"autoInstallPriority": "medium",

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Parameter	Description	Sample Value
networkTypeConstraint	**Parameter Type:** Request body **Data Type:** String Specifies on which types of network the device is using to install the app. Valid values: • anyNetwork • unmeteredNetwork	"networkTypeConstraint": "anyNetwork",
chargingStateConstraint	**Parameter Type:** Request body **Data Type:** String Specifies whether the device must be charged to install the app. Valid values: • chargingNotRequired • chargingRequired	"chargingStateConstraint": "chargingNotRequired",

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Parameter	Description	Sample Value
deviceIdleStateConstraint	**Parameter Type:** Request body **Data Type:** String Specifies whether the device must be idle to allow installation of the app. Valid values: • deviceIdleNotRequired • deviceIdleRequired	"deviceIdleStateConstraint": "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&adminDeviceSpa
ceId=1' \
```

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```
 -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": [
    {
```

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```
      "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 15 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.

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Required Role
Category: App Management **Role Description:** Manage app

HTTP method

GET

Request URI

/api/v2/appstore/windowsStore

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
searchText	**Required** **Parameter Type:** Query **Data Type:** String Keyword from the app name or description.	Apps%40Work
storeType	**Required** **Parameter Type:** Query **Data Type:** String They type of Windows store to search. Valid values are: • WIN_PHONE • WIN8 • WIN10	WIN8

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

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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.

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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,
```


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```
      "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-be1a-b18c97eff101",

      "version": "N/A",

      "imageIds": [ ],

      "publisher": null,

      "category": null,

      "releaseDate": null,

      "inAppCatalog": false,

      "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/3644598f-5bb2-
4564-8463-07a9e1f2ff5d/AppTile.2.307028.1.png",

      "browserLink": "http://apps.microsoft.com/windows/en-us/app/formotus-
pro/5b493605-bea0-4626-be1a-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

      ]

    }

  ],
```


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```
  "resultCount": 3
}
```

Import a public Windows app

This call imports a public Windows app.

Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

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

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Parameter	Description	Sample Value
title	**Parameter Type:** Request body **Data Type:** String app description.	Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections
storeType	**Required** **Parameter Type:** Query **Data Type:** String They type of Windows store to search. Valid values are: • WIN_PHONE • WIN8 • WIN10	WIN8

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Response fields

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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	

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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.

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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
EPMM]/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%20Order
s%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.
```


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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,

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```
    "vpnIds": [ ],
    "iconFile": {
      "fileName": "logo.png",
      "uuid": "e2ee1174-e7a5-4455-a437-6a1ff32b6f4b",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=e2ee
1174-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": [ ]
    }
  ]
```


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```
}
```

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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

/api/v2/appstore/inhouse

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Request parameters

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

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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'
```

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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 d1cab336-9172-4959-8d47-0667bd929f8d"
  },
  "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.

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Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

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

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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",
```

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```
    "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=8755
32ba-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=bc3b
d137-18d7-46ed-93f9-55f7a26550c2&ext=PNG"

      },

      {

        "fileName": "screen-shot-1.png",

        "uuid": "4ad4bd0f-3d98-45e5-afea-4c90de931c67",
```


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```
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=4ad4
bd0f-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=f807
5512-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=01de
aa2b-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=258f
2f44-6239-4a94-b8eb-6960eca2528f&ext=PNG"

      }

    ],

    "tabletScreenshots": [ ],

    "categories": [ ],

    "featuredApp": false,

    "featuredBanner": false,

    "bannerDescription": null,

    "bannerStyle": null,

    "hiddenInAppstore": false,

    "perAppVpnByLabelOnly": false,

    "dataProtectionRequired": false,

    "overrideURL": null,

    "quarantinable": false,
```


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```
"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,
```


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```
    "appStoreDetailUrl": "https://sai101-
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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

/api/v2/appstore/webapp

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Request parameters

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

Response fields

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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	
provisoningProfile	
unmanagedUpdateAllowed	
hiddenInAppstore	
noCostApp	
ipadOnly	
apnsCertificate	
cdnDisabled	
cdnServiceEnabled	
backupPrevented	
removedWhenMdmDisabled	
pushedOnRegistration	
quarantinable	
overrideURL	
dataProtectionRequired	
perAppVpnByLabelOnly	
featuredApp	
categories	

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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	

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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

```
{
```

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```
  "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=f31b507d8e
094ddeac2cbd84dc144b82&ext=PNG"
    },
    "installer": null,
    "phoneScreenshots": [ ],
    "tabletScreenshots": [ ],
```


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```
    "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 15 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.

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Required Role
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

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

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Parameter	Description	Sample Value

appData	**Required**
	
	Parameter Type: Request
	
	Data Type: Json string
	
	An url-encoded JSON string representation of the app fields to modify.
	
	JSON example, URL decoded:
	`{`
	`"name": "MobileIron QA",`
	`"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,`
		See Description column.

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Parameter	Description	Sample Value

	<pre>"androidWorkThirdPartyAppRuntimePermissions": false,
	"androidWorkHideThirdPartyApps": false,
	"androidWorkManagedCertificates": false,
	"accessProfileId": 0,
	"featuredBanner": false,
	"androidWorkManagedDeviceSilentInstall": false,
	"androidWorkSelfHostedApkLicense": "",
	"displayMessage": false,
	"enterpriseConfigs": [ ]
	}</pre>
	To update Android For Work app data, a valid license value for androidWorkSelfHostedApkLicense is mandatory. You can find the license value using GET /api/v2/appstore/apps/{id}.
	
	Available fields vary by platform type. See "Common appData request fields" on the next page, "iOS appData request fields" on page 219, and "Android appData request fields" on page 220 below.	

icon	**Parameter Type:** Request **Data Type:** Array of MultipartFile Icon file to replace any existing icon.	icon=@/Users/ssmith/icon.png

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

Common appData request fields

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

iOS appData request fields

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Field	Description	Sample Value
noCostApp	Required **Data Type:** Boolean	
hiddenInAppstore	Required **Data Type:** Boolean	
ipadOnly	**Data Type:** Boolean	

Android appData request fields

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

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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,"p
ushedOnRegistration":true,"enforceVersion":true,"overrideURL":"","cdnDisabled":true,"v
pnIds":[],"categories":[],"deletedResources":
[],"versionRequired":null,"minimumOsVersion":"21","androidWork":false,"autoUpdate":nul
l,"androidWorkSilentInstall":null,"blockWidget":false,"androidWorkBlockUninstall":fals
e,"enableMobileIronAccess":false,"androidWorkQuarantineApp":true,"androidWorkThirdPart
yAppRuntimePermissions":false,"androidWorkHideThirdPartyApps":false,"androidWorkManage
dCertificates":false,"accessProfileId":0,"featuredBanner":false,"androidWorkManagedDev
iceSilentInstall":false,"androidWorkSelfHostedApkLicense":"","displayMessage":false,"e
nterpriseConfigs":[]} -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",
```

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```
    "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=c880
eead-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,
```


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```
"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,
```


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```
    "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.

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Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Number The id of the app whose screenshot to upload.	2
type	**Required** **Parameter Type:** Path **Data Type:** String Type of screenshot to upload. Valid values are: • phone • tablet	phone

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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=d9a45b
45-05d6-4526-b458-92404d6453fd&ext=PNG",
  "uuid": "d9a45b45-05d6-4526-b458-92404d6453fd",
```

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

Get all app categories

This call gets a list of all app categories.

Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Manage app

HTTP method

GET

Request URI

/api/v2/appstore/categories

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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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",
```


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```
    "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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

GET

Request URI

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

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Number ID of the app category whose information to retrieve. You can get this value with the "Get all app categories" on page 229 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	

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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 15 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
Category: App Management **Role Description:** Manage app

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HTTP method

POST

Request URI

/api/v2/appstore/categories

Request parameters

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

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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.

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Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

Request parameters

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

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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 15 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.

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Required Role
Category: App Management **Role Description:** Manage app

HTTP method

DELETE

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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.

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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 15 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
Category: App Management **Role Description:** Manage app

HTTP method

GET

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Request URI

/api/v2/appstore/perappvpns

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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
EPMM]/api/v2/appstore/perappvpns?adminDeviceSpaceId=1'
```

Response

```
{
```

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```
"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 15 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
Category: App Management **Role Description:** Manage app

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HTTP method

DELETE

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
ids	**Required** **Parameter Type:** Query **Data Type:** Number 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.

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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 15 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.

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Required Role
Category: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Number ID of the app to which to send the message.	117
installIncluded	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, send message for new installs. See "Sending an installation request to an app" on page 243 for information about how to use this parameter to send an installation request to an app.	false
updateIncluded	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, send message for updates. See "Sending an installation request to an app" on page 243 for information about how to use this parameter to send an installation request to an app.	false

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Parameter	Description	Sample Value
pushApp	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, push the app.	false
convertToManaged	**Parameter Type:** Boolean **Data Type:** Number **Default:** false If true, convert un-managed to managed app. See "Sending an installation request to an app" on page 243 for information about how to use this parameter to send an installation request to an app.	false
deviceUuids	**Parameter Type:** Request body **Data Type:** Array of string Default: null 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", "a8733819-eea9-4e43-b87e-2824d02f7bcf"]

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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
}
```

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Apply Apps To Labels

This call applies apps to labels.

Required Role

See "Authentication" on page 15 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
Category: App Management **Role Description:** Apply and remove application label

HTTP method

PUT

Request URI

/api/v2/appstore/apps/{appIds}/labels/{labelIds}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Long Device space ID of the administrator.	1
appIds	**Required** **Parameter Type:** Path **Data Type:** Long IDs of the apps to apply to labels.	119
labelIds	**Parameter Type:** Request body **Data Type:** Number 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'
```

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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 15 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
Category: App Management **Role Description:** Apply and remove application label

HTTP method

PUT

Request URI

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

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Number IDs of the apps to apply to labels. Separate multiple IDs with a comma.	105

labels	**Parameter Type:** Request body
	
	Data Type: String
	
	Container for request body.
		{
		
		"labels": [
		
		{
		
		"label": "12",
		
		"trackId": "FFFFFFFF",
		
		"mandatory": true
		}
		
		]
		}'

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Parameter	Description	Sample Value

label	**Parameter Type:** Request body
	
	Data Type: Number
	
	ID of the labels to which to apply the app.
		{
		
		"labels": [
		
		{
		
		"label": "12",
		
		"trackId": "FFFFFFFF",
		
		"mandatory": true
		}
		
		]
		}'

trackId	**Parameter Type:** Request body
	
	Data Type: String
	
	ID of the Track to which to apply the app.
	
	To get the trackId, use GET /mifs/admin/rest/api/v2/afw/tracks/{appId}, for example:
	`curl -X GET \`
	`'http://[Ivanti EPMM]/mifs/admin/rest/api/v2/afw/tracks/mobileiron.appsatwork?adminDeviceSpaceId=1' \`
	`-H 'Authorization: Basic <token>' \`
		{
		
		"label": "12",
		
		"trackId": "FFFFFFFF",
		
		"mandatory": true
		}
		
		]
		}'

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Parameter	Description	Sample Value

mandatory	**Parameter Type:** Request body
	
	Data Type: Boolean
	
	Specify whether the app is mandatory.
		{
		
		"labels": [
		
		{
		
		"label": "12",
		
		"trackId": "FFFFFFFF",
		
		"mandatory": true
		}
		
		]
		}'

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>' \
```

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```
-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)."
```

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```
    }
  ]
}
```

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 15 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:** Settings and Services Management **Role Description:** View settings and services • **Category:** App Management **Role Description:** View app • **Category:** Configuration Management **Role Description:** View configuration

HTTP method

GET

Request URI

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

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Request parameters

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

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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": {
```

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```
    "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."
      },
```


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```
      {
        "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."
      ]
    }
  ]
}
```


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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 15 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:** App Management **Role Description:** View app • **Category:** App Management **Role Description:** Manage app

HTTP method

POST

Request URI

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

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Long Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Integer 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.

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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. Lebel 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,
```

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```
  "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.mxmf.ACCESS_MX_MANAGEMENT_FRAMEWORK_SERVICE",
    "com.sec.enterprise.knox.cloudmdm.smdms.provider.permission.READ",
    "android.permission.REQUEST_INSTALL_PACKAGES",
    "com.motorolasolutions.emdk.mxframework.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",
```


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```
"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",
```


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```
      "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.

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The **Get the Android for Work permissions of an app** is now deprecated from Ivanti EPMM 12.3.0.0. Ivanti recommends not to consume this API as it is deprecated by Google.

Required Role

See "Authentication" on page 15 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:** Settings and Services Management **Role Description:** View settings and services • **Category:** App Management **Role Description:** View app • **Category:** Configuration Management **Role Description:** View configuration

HTTP method

GET

Request URI

/api/v2/afw/permissions_v2/{package_name}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Long Device space ID of the administrator.	1
package name	**Required** **Parameter Type:** Path **Data Type:** String 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 15 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.

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Required Roles
• **Category:** Settings and Services Management **Role Description:** View settings and services • **Category:** App Management **Role Description:** View app • **Category:** Configuration Management **Role Description:** View configuration

HTTP method

GET

Request URI

/api/v2/afw/restrictions/{package_name}

Request parameters

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

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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 15 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: App Management **Role Description:** Manage app

HTTP method

POST

Request URI

/api/v2/appstore/googleplay

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Request parameters

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

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Response fields

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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	

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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	

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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	

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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:

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```
{
  "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=251b
66ad-5d17-4bb3-b627-3b2817d96bcf&ext=PNG"
    },
    "installer": null,
    "phoneScreenshots": [
```


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```
      {
        "fileName": "screen-shot-0.png",
        "uuid": "d99a6a18-306a-4803-b67f-8dbf8fd827a4",
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=117&uuid=d99a
6a18-306a-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=877c
335d-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=fb0e
fef7-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,
```


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```
"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,
```


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```
    "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.facccebook.katana'",
      "messageParameters": [
        "com.facccebook.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.

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Required Role

See "Authentication" on page 15 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:** Settings and Services Management **Role Description:** View settings and services • **Category:** App Management **Role Description:** View app • **Category:** Configuration Management **Role Description:** View configuration

HTTP method

GET

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Long Device space ID of the administrator.	1

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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,
```


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```
"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",
```


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```
                "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",
```


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```
                "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
}
```


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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 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

GET

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Request URI

api/v2/logs/audit_logs_export

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Request parameters

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

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Parameter	Description	Sample Value
actionEnd	**Parameter Type:** Request body **Data Type:** Number This can be used along with actionStart to form a date range during which the Audit logs are required.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC 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:
```

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```
{
"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 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

GET

Request URI

api/v2/logs/audit_logs_export_status

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

Response fields

Field	Description
exportStatusMsg	Audit Logs processing status/progress message. "success" - If the processing is completed successfully. "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:

```
{
```

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```
"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 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

POST

Request URI

api/v2/logs/audit_logs_csv

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Request parameters

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

Response fields

Field	Description
Content-Disposition →attachment;filename=<filename>	
Content-Type →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.

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Required Role

See "Authentication" on page 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

GET

Request URI

api/v2/logs/audit_logs

Request parameters

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

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

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Parameter	Description	Sample Value
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. 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'
```

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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,
```


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```
  "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",
```


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```
      "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 15 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
Category: Logs and Events Management **Role Description:** View logs and events

HTTP method

GET

Request URI

api/v2/logs/audit_log_actions/count

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Request parameters

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

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

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Response fields

Field	Description
requestType	Type of Request
totalCount	The total number of entries that the query matched.

rows	Rows of entries with following :
	{
	name: "Action Name,
	count:"Action Count",
	query: "Query specified"
	}

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": ""
     },
     {
```

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```
 "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": ""
```


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```
},
{
 "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",
```


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```
 "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": ""
},
```


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```
      {
       "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
}
```


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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 15.

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/devices

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required**: One of either the query or labelled parameters is required, and you can use both in the same call, but not both with an advanced query. See "Supported queries" on page 315 for more information. **Parameter Type:** Query **Data Type:** String **Min:** 0 character **Max:** 255 characters Search expression. An empty query returns everything. See "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	
labelId	**Required**: One of either the labelId or query parameter is required, and you can use both in the same call. See "Supported queries" on page 315 for more information. **Parameter Type:** Query **Data Type:** Number The Label ID.	

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Parameter	Description	Sample Value
fields	**Required** **Parameter Type:** Query **Data Type:** List of strings **Min:** 1 field **Max:** 512 fields Comma-separated list of the names of fields to be returned; Each field should be no more than 320 characters long. See "Valid fields Parameter Values" on page 667 for a list of valid values, and "Get the list of searchable device fields" on page 358 for how to query for the values. See "Supported queries" on the next page for more information.	user.display_ name%2Ccommon.current_ phone_number
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	

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Parameter	Description	Sample Value
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC 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.

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

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API Call	Supported?	Sample Request	Sample Response

Simple query & label	Supported	https://[Ivanti EPMM]/api/v2/devices?adminDeviceSpaceId=1&fields=common.os_version,common.uuid&labelId=4&query=test	{
			"results": [
			{
			"common.os_version": "12.1.2",
			"common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"
			}
			],
			"totalCount": 1,
			"resultCount": 1,
			"searchTimeMillis": 11,
			"currentServerTimeMilliseconds": 1551852839417,
			"hasMore": false
			}

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API Call	Supported?	Sample Request	Sample Response

Advanced search	Supported	https://[Ivanti EPMM]/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 EPMM]/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>

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API Call	Supported?	Sample Request	Sample Response

Only label	Supported	https://[Ivanti EPMM]/api/v2/devices?adminDeviceSpaceId=1&labelId=4&fields=common.os_version,common.uuid	{
			"results": [
			{
			"common.os_version": "12.1.2",
			"common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"
			}
			],
			"totalCount": 1,
			"resultCount": 1,
			"searchTimeMillis": 3,
			"currentServerTimeMilliseconds": 1551853076127,
			"hasMore": false
			}

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Response fields

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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.

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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.

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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.

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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.displa
y_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_
EN0,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",
```

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```
"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",
```


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```
      "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 15 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
Category: Device Management **Role Description:** Manage devices, restricted

HTTP method

POST

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Request URI

api/v2/users/register_device

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Request parameters

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

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Parameter	Description	Sample Value
operatorId	**Required** **Parameter Type:** Request body **Data Type:** Long Carrier ID.	269
phoneNumber	**Parameter Type:** Request body **Data Type:** String Device phone number	5555555555
platform	**Required** **Parameter Type:** Request body **Data Type:** String Device type	I

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.

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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)

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Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** Manage devices, restricted

HTTP method

POST

Request URI

api/v2/devices/action

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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Parameter	Description	Sample Value
actionType	**Required** **Parameter Type:** Query **Data Type:** String The action to perform. One of: • 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) • AVAILABLE_OS_UPDATES (iOS and macOS) • ENABLE_BLUETOOTH_ACTION (iOS and macOS) • DISABLE_BLUETOOTH_ACTION (iOS and macOS) • ENABLE_REMOTE_LOGGING (Android and iOS)	ENABLE_VOICE_ROAMING

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Parameter	Description	Sample Value
	• DISABLE_REMOTE_LOGGING (Android and iOS) • REFRESH_ESIM_CELLULAR_PLAN (iOS) • SET_SHARED_DEVICE_CONFIGURATION (iOS) • RESTART_DEVICE (iOS Supervised) • SHUTDOWN_DEVICE (iOS Supervised)	
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** Array of UUID Strings UUID Strings of the devices on which to perform the action.	a2556e62-2ed0-4d42-98fd-a342eaf3e4e6
note	**Parameter Type:** Request body **Data Type:** String **Min:** 1 character **Max:** 200 characters Note describing the action.	Turning off voice roaming.

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Additional request parameters for send_message

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Parameter	Description	Sample Value
note	**Parameter Type:** Request body **Data Type:** String Note about the message being sent.	Alerting owner to policy violation.
additionalParameters	**Required** **Parameter Type:** Request body **Data Type:** String Container for the following additional parameters: • message • mode • subject • app	"additionalParameters" : {"message" : "Your device is in policy violation.","mode" : "sms","subject":"Important message","app" : "Motorola MC75"}
message	**Required** **Parameter Type:** Request body **Data Type:** String Message to send.	Your device is in policy violation.

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Parameter	Description	Sample Value
mode	**Required** **Parameter Type:** Request body **Data Type:** String Mode of transmission for the message. Valid values: • sms • pns • email	sms
subject	**Required** **Parameter Type:** Request body **Data Type:** String 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.

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```
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.

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Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

POST

Request URI

api/v2/devices

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required**: One of either the query or labelId parameters is required, and you can use both in the same call. **Parameter Type:** Query **Data Type:** String **Min:** 0 character **Max:** 2000 characters Search expression. An empty query returns everything. See "Query Operators and Search Fields" on page 671 for complete details on the query operators and search fields you can use to construct the query parameter statement.	

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Parameter	Description	Sample Value
labelId	**Required**: One of either the labelId or query parameter is required, and you can use both in the same call. **Parameter Type:** Query **Data Type:** Number The Label ID.	
fieldGroups	**Required** **Parameter Type:** Query **Data Type:** List of strings **Min:** 1 field group **Max:** 20 field groups 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"	USER,COMMON,ANDROID,IOS,WINDOWS_PHONE

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

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Parameter	Description	Sample Value
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	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

1. API Call

This call deletes retired iOS, OS X, Win 8, or Android devices that have not been modified in the last day.

Required Role

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Required Role
Category: Device Management **Role Description:** Delete retired device (API only)

HTTP method

DELETE

Request URI

api/v2/devices

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	
deviceUuids	**Parameter Type:** Request body **Data Type:** Array of strings **Min:** 1 deviceUuid **Max:** 512 deviceUuids 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	**Parameter Type:** Request body **Data Type:** Array of strings **Min:** 1 wifiMacs **Max:** 512 wifiMacs Comma-separated list of wifiMacs to delete if retired and is of platform iOS, OS X, Win8, Android.	2a393b114f7c
principals	**Parameter Type:** Request body **Data Type:** Array of strings **Min:** 1 principals **Max:** 512 principals Comma-separated list of principals to delete if retired and is of platform iOS, OS X, Win8, Android.	

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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 '{ "deviceUuids" : [
"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"

]
```

2. Manual Deletion

This call deletes iOS, macOS, Windows, or Android devices which are in **Wipe-Pending**, **Retire-Pending**, **Unknown**, **Wiped** and **Retired** states. The deletion can be tracked in Audit logs.

Required Role

Required Role
Category: Device Management **Role Description:** Delete retired device

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HTTP method

DELETE

Request URI

api/v2/devices

Request parameters

Parameter	Description	Sample Value
requestingSource	**Parameter Type:** Request body **Data Type:** String This api call is considered to be manual deletion only if this param's value is "Admin Portal Manual Deletion"	Admin Portal Manual Deletion
deviceUuids	**Parameter Type:** Request body **Data Type:** Array of strings **Min:** 1 deviceUuid **Max:** 512 deviceUuids Comma-separated list of valid device uuids to be deleted.	10c43352-15b2-413b-a3e0-4daf3977711a
action	**Parameter Type:** Request body **Data Type:** String This must be "d" for deletion.	d
adminNote	**Parameter Type:** Request body **Data Type:** String This is the admin's note(reason for deletion or other)	deleting unwanted devices

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Response object

A JSON object which has a message - **Delete devices initiated. Please check audit logs for status.**

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
'{
"deviceUuids":["3eb984c8-1016-43e8-b241-3149bb415816","810af170-f971-49d9-8794-
81b465f533c0"],
"action":"d",
"adminNote":"deleting unwanted devices",
"requestingSource":"Admin Portal Manual Deletion"
}'
```

Response

```
{
"results": [],
"messages": [
{
"localizedMessage": "Delete devices initiated. Please check audit logs for status."
}
],
"totalCount": 0,
"resultCount": 0
}
```

Reboot devices

This call reboots multiple Android devices.

Required Role

See "Authentication" on page 15 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.

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Required Role
Category: Device Management **Role Description:** Manage devices

HTTP method

POST

Request URI

api/v2/devices/reboot

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** Array of strings Comma separated list of device uuids.	8dd8912e-d604-442d-8c9d-82414e72017e

Response fields

Field	Description
results	Indicates the outcome for the action per device.

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Sample request and response

Request

```
curl --location '[Ivanti EPMM]/api/v2/devices/reboot?adminDeviceSpaceId=1' \
-H 'Authorization: Basic <token>' \
-H 'Content-Type: application/json' \
--data '{
"deviceUuids": [
"8dd8912e-d604-442d-8c9d-82414e72017e",
"1881ffde-fcf4-4f9f-98ee-dd37df16070e",
"27d0e754-19a4-4b10-bb21-020800134108"
]
}'
```

Response

```
"results" :[
{
"resultId": "114",
"resultMessage": null,
"records": [
"1a76d347-ebb8-49d3-ad9c-ce8876c1133f"
]
},
{
"resultId": "111",
"resultMessage": null,
"records": [
"miaadmin:Android:+15551234567- Mobile platform not supported"
]
}
],
"resultCount": 2,
"actionType": "REBOOT",
"deviceResults":{
"1881ffde-fcf4-4f9f-98ee-dd37df16070e":
"com.mobileiron.vsp.messages.device.action.unsupported.platform",
"1a76d347-ebb8-49d3-ad9c-ce8876c1133f":
"com.mobileiron.vsp.messages.device.action.successful"
```

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Count devices

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

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/devices/count

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 0 characters **Max:** 2000 characters Search expression. An empty query returns the count of all devices. See "Query Operators and Search Fields" on page 671 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.

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```
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 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/devices/query_test

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 0 characters **Max:** 2000 characters Search expression. An empty query is valid. See "Query Operators and Search Fields" on page 671 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.

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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 311.

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

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Request URI

api/v2/devices/search_fields

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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" },
```

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```
    { "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 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/devices/<deviceId>/details

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	
deviceId	**Required** **Parameter Type:** Path **Data Type:** String 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",
```

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```
      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
}
```


Get OS update date

This call pulls the device OS update date after upgrading the device.

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Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** View OS update date

HTTP method

GET

Request URI

/api/v2/devices/getosupdatedate

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
deviceUuids	**Parameter Type**: Query **Data Type**: Array of strings Comma separated list of device uuids.	47d2eb63-4f20-4a5a-a7b1-aee467553f2c

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Response fields

Field	Description
results	Container for the results array shown below.
osUpdateDate	Provides the OS update date.
osVersion	
deviceUuid	
model	
platformType	
name	
status	
registeredAt	

Sample request and response

Request

```
curl --location --request GET 'https://[Ivanti
EPMM]/api/v2/devices/getosupdatedate?clientId=1073741854&deviceUUID=47d2eb63-4f20-
4a5a-a7b1-aee467553f2c&adminDeviceSpaceId=1
```

Response

```
{
"results": {
"osUpdateDate": "2024-04-23 09:04:49",
"osVersion": "iOS 17.4.1 (21E236)",
"deviceId": "CB3A1959-08AE-49EB-84EC-2BC5E64B88BA",
"model": "iPhone 12 mini",
"platformType": "iPhone",
"name": "testuser:iOS 17.4:PDA 3",
"status": "MDM_RETIRED",
"registeredAt": "Mon Apr 22 15:59:16 UTC 2024"
}
}
```

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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 15 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
Category: Device Management **Role Description:** 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]

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Request parameters

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

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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
```

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Response

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```
{
    "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
        },
```


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```
{
    "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_zebra_ratedcapacity",
    "value": null
},
{
    "name": "android.prv_enable_network_slicing",
    "value": false
},
{
    "name": "android.os_build_number",
```


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```
        "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
    },
```


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```
{
    "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",
```


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```
        "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
    },
```


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```
{
    "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",
```


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```
        "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
    },
```


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```
{
    "name": "android.battery_zebra_usage_numb",
    "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",
```


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```
        "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
    },
```


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```
            {
                "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 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

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

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
deviceId	**Required** **Parameter Type:** Path **Data Type:** String 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.

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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
}
```


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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 15 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
Category: Device Management **Role Description:** Manage ActiveSync device

HTTP method

GET

Request URI

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

Request parameters

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Parameter	Description	Sample Value
daysIdle	**Required** **Parameter Type:** Query **Data Type:** Integer 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.	0
state	**Parameter Type:** Query **Data Type:** String Valid values: • a Searches for allowed devices • b Searches for blocked devices • w Searches for wiped devices • q Searches for allowed quarantined devices • r Searches for retired devices For ease of use, the call accepts the entire word. For example, instead of "state=r", the call would accept "state=retired". Note: except for **retired**, all values correspond to ActiveSyncStatus enumeration. "retired" corresponds to eas_device entries with the trash flag set to true.	a

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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 ActiceSync device data, one row per ActiveSync device.

Field	Description
DeviceId	ActiveSync Device ID
MailboxId	Mailbox ID
Status	This is the device status. One of: • Registered • Unregistered
SyncStatus	ActiveSync status. One of: • Allowed • Blocked • Wiped • Quarantined
Retired	One of: • true • false
LastSyncTime	Last session time, formatted in GMT. The format is always `yyyy-MM-dd hh:mm:ss z`.
SentryType	One of: • Standalone • Integrated

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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 15 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:** Device Management **Role Description:** View dashboard, device page, device details • **Category:** Other Roles **Role Description:** Mobile App

HTTP method

GET

Request URI

api/v2/devices/<deviceUuid>/appcompliance

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
deviceUuid	**Required** **Parameter Type:** Path **Data Type:** String 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	

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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
        }
      ]
    }
  }
}
```


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Wake up a device

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

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** Force device check-in

HTTP method

PUT

Request URI

api/v2/devices/wakeup

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** String The device UUIDs of the devices to wake up. Use commas to separate multiple values.	af0cea8b-f56c-49f5-b615-76cc34936b2f
note	**Parameter Type:** Request body **Data Type:** String 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"}'
```

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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 15 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
Category: Device Management **Role Description:** Send message to device

HTTP method

PUT

Request URI

api/v2/devices/sendmessage

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** String The device UUIDs of the devices to which to send the message. Use commas to separate multiple values.	30b8b722-2954-42ab-bda8-700facfa249a
note	**Parameter Type:** Request body **Data Type:** String Note clarifying the wake up/check-in request.	Alerting to data roaming expense.

additionalParameters	**Parameter Type:** Request body
	
	Data Type: String
	
	Container for message and mode parameters.
		{
		
		"message": "Data roaming is expensive.",
		
		"mode": "email",
		
		"subject": "About data roaming"
		
		}

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Parameter	Description	Sample Value
message	**Parameter Type:** Request body **Data Type:** String Message to send to the specified devices.	Data roaming is expensive
mode	**Parameter Type:** Request body **Data Type:** String Mode of the message: • pns (push notifications) • sms • email (email takes the subject parameter, too)	email
subject	**Parameter Type:** Request body **Data Type:** String 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.

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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 15 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.

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Required Role
Category: Device Management **Role Description:** Apply and remove device label

HTTP method

PUT

Request URI

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

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
label1,label2	**Required** **Parameter Type:** Query **Data Type:** String Labels to apply to the devices.	ios,company-owned
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** String 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

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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: • uuid • id • principal • deviceSpaceId • deviceSpacePath • label • device
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". The successful records can be found in "records" section.
successful	Indicates success, true or false.

Sample request and response

Request

```
ccurl --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

```
{
```

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```
"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"
          }
        ]
      }
    ]
  }
```


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```
  ],
  "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 15 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
Category: Device Management **Role Description:** Apply and remove device label

HTTP method

PUT

Request URI

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

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
label1,label2	**Required** **Parameter Type:** Query **Data Type:** String Labels to remove from the devices.	ios,company-owned
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** String 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

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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: • uuid • id • principal • deviceSpaceId • deviceSpacePath • label • device
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": [

    {
```

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```
    "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,
```


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


Wipe devices

This call wipes devices.

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** Wipe device

HTTP method

PUT

Request URI

api/v2/devices/wipe

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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Parameter	Description	Sample Value

deviceUuids	**Required**
	
	Parameter Type: Request body
	
	Data Type: String
	
	The device UUIDs of the devices to wipe.
		<pre>{
		    "deviceUuids": [
		        "cb1bcc55-bba3-41df-9efa-a3496b065bf9"
		    ],
		
		    "additionalParameters": {
		        "preserveDataPlan": "true"
		
		     "sendWipeNotification": "false"
		    }
		}</pre>

note	**Parameter Type:** Request body **Data Type:** String Note clarifying the wipe request.	

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Parameter	Description	Sample Value
additionalParameters	**Parameter Type:** Request body **Data Type:** String Container for additional parameters. Currently, the additional supported parameter is: preserveDataPlan If true, preserves the data plan upon wiping the device. Valid values: • true • false	

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.
deviceResults	Indicates the outcome for the action per device.

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Field	Description
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 15 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.

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Required Role
Category: Device Management **Role Description:** Lock & unlock device

HTTP method

PUT

Request URI

api/v2/devices/lock

Request parameters

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

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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

}
```

Unlock devices

This call unlocks devices.

Required Role

See "Authentication" on page 15 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.

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Required Role
Category: Device Management **Role Description:** Lock & unlock device

HTTP method

PUT

Request URI

api/v2/devices/unlock

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
unlockPin (Android only)	**Optional** **Parameter Type:** Query **Data Type:** String The pin/password to unlock the devices. If not sent, then the Android device will be unlocked with default pin, '0000'.	936142
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** String The device UUIDs of the devices to unlock.	af0cea8b-f56c-49f5-b615-76cc34936b2f
note	**Parameter Type:** Request body **Data Type:** String Note clarifying the unlock request.	Virus scan successful.

Response fields

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Field	Description
results	Contains the device summaries for which unlock action is successful.
resultCount	Indicates the success count.
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&unlockPin=J149XZ_' --data '
{"deviceUuids": [ "3915fde2-00b5-4788-9252-5ef0102c0607", "8083003b-1644-408a-a89a-
0e0cbdd02f8e" ], "note" : "unlocking my devices" }'
```

Response


```
{
  "results": [
  {
    "uuid": "3915fde2-00b5-4788-9252-5ef0102c0607",
    "id": null,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "name": "miadmin:Android:PDA 3",
    "value": "Q",
    "platforms": [],
    "description": null,
    "isEsLabel": null,
    "query": null
  },
  {
```


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```
    "uuid": "8083003b-1644-408a-a89a-0e0cbdd02f8e",
    "id": null,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "name": "ankit:Android:PDA",
    "value": "Q",
    "platforms": [],
    "description": null,
    "isEsLabel": null,
    "query": null
  }
  ],
    "resultCount": 2,
    "actionType": "UNLOCK",
    "deviceResults": {
    "8083003b-1644-408a-a89a-0e0cbdd02f8e":
"com.mobileiron.vsp.messages.device.action.successful",
    "3915fde2-00b5-4788-9252-5ef0102c0607":
"com.mobileiron.vsp.messages.device.action.successful"
    },
    "successful": true
}
```


Retire devices

This call retires devices.

Required Role

See "Authentication" on page 15 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.

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Required Role
Category: Device Management **Role Description:** Retire device

HTTP method

PUT

Request URI

api/v2/devices/retire

Request parameters

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

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.

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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 15 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
Category: Device Management **Role Description:** Manage devices

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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 or create_teamviewer_session_ios	**Required**. One of the following is required: • create_teamviewer_session_android • create_teamviewer_session_ios **Parameter Type:** Path **Data Type:** String The type of device for which to create the TeamViewer session.	create_teamviewer_session_android
adminDeviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
deviceUuid	**Required** **Parameter Type:** Request body **Data Type:** String The device UUID of the device for which to open a TeamViewer session.	af0cea8b-f56c-49f5-b615-76cc34936b2f

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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	This is the link the support engineer opens in a browser to initiate the Remote Display session.
valid_until	
messages	
type	
messageKey	
localizedMessage	

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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",
```


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

Check device compliance

This call checks device compliance for selected or all devices.

Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** Manage devices or **Category:** Policy Management **Role Description:** Manage compliance action

HTTP method

PUT

Request URI

api/v2/devices/checkcompliance

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
allDevices	**Required** **Parameter Type:** Query **Data Type:** Boolean Specifies whether to return compliance information for all devices, or only for the devices indicated in the request body. Valid values: • true • false 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 deviceUuids in the request body. See the "Requests" on page 421.	true

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Parameter	Description	Sample Value

deviceUuids	**Parameter Type:** Request body
	
	Data Type: String
	
	The device UUIDs of the devices for which to check device compliance.
	
	If the value of the allDevices parameter is true, then send {} in the request body as raw JSON (application/json) text.
	
	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:
	`{`
	`  "deviceUuids": [`
	`    "ca7e632e-1c64-4ef3-8ed4-92480cb30a6f"`
	`  ]`
	`}`
	
	See the "Requests" on the next page.
		{"deviceUuids": ["ca7e632e-1c64-4ef3-8ed4-92480cb30a6f"]}

Response fields

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

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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 '
{"deviceUuids": ["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 deviceUuid parameter, and returns reasons for non-compliance, if present.

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Required Role

See "Authentication" on page 15 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
Category: Device Management **Role Description:** Manage devices

HTTP method

GET

Request URI

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

Request parameters

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

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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": [
    {
```

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```
      "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
}
```


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Policy Management

This chapter describes the V2 API calls you use to query and manage Ivanti EPMM Policies.

List Kiosk Policies

This call pulls the list of all available Kiosk profiles with their corresponding unique IDs.

Required Role

See "Authentication" on page 15 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
Category: Policy Management **Role Description:** Manage policies

HTTP method

GET

Request URI

/api/v2/policy/list

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
type	**Required** **Parameter Type:** Query **Data Type:** String Type of mode to list the profiles	type=androidkioskmode

Response fields

Field	Description
policies	Lists the available Kiosk policies.
policyName	
description	
priority	
active	
policyId	
type	androidkioskmode
last modified	

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Sample request and response

Request

```
curl --location GET --header "Authorization: Basic <token>" "https://[Ivanti
EPMM/mifs/admin/rest/api/v2/policy/list?adminDeviceSpaceId=1&type=androidkioskmode"
```

Response


```
{
 "results": {
  "policies": [
   {
    "policyName": "Kiosk",
    "description": "",
    "priority": 1,
    "active": true,
    "policyId": 2,
    "type": "ANDROIDKIOSKMODE",
    "lastModified": "1717156651623"
   },
   {
    "policyName": "kiosk-signin",
    "description": "",
    "priority": 2,
    "active": true,
    "policyId": 3,
    "type": "ANDROIDKIOSKMODE",
    "lastModified": "1717156833023"
   },
   {
    "policyName": "kiosk-signout",
    "description": "",
    "priority": 3,
    "active": true,
    "policyId": 4,
```


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```
    "type": "ANDROIDKIOSKMODE",
    "lastModified": "1717156861285"
   }
  ]
 }
}
```


Update Kiosk Exit Pin

This call updates the profile Kiosk Exit Pin.

Required Role

See "Authentication" on page 15 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
Category: Policy Management **Role Description:** Manage Policies

HTTP method

PUT

Request URI

/api/v2/policy/androidkioskmode/exitpin

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Request body **Data Type:** List of Numbers Policy ID of the kiosk policies.	
parameters	**Required** **Parameter Type:** Request body **Data Type:** Comma separated key-value parameters. Valid values: "exitpin": "123456"	

Response Fields

Field	Description
results	Indicates the outcome for the action per device.

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Sample request and response

Request

```
curl --location --request PUT --header "Authorization: Basic <token>" "https://[Ivanti EPMM/mifs/admin/rest/api/v2/policy/androidkioskmode/exitpin?adminDeviceSpaceId=1'
--data '{
"ids":[1,2,3,4,5,6,7,8,9,10],
"parameters":{
"exitpin":"123456"
}
}'
```

Response

```
{
"results": {
    "-1": "Action not supported for non-kiosk policy",
    "1": "Action not supported for non-kiosk policy",
    "2": "Policy already deleted",
    "3": "Exit Pin updated successfully",
    "4": "Action not supported for ENABLE_LOGOUT Policy",
    "5": "Policy Not Found"
  },
 "totalCount": 6,
 "resultCount": 1
}
```

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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 Apple devices* (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 15 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
Category: Device Management **Role Description:** Manage device enrollment (iOS only)

HTTP method

POST

Request URI

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

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	1

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Parameter	Description	Sample Value
deviceInfo	**Required** **Header Type:** Request header **Data Type:** String 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.	MIAGCSqGSIb3DQEHAqCAMIACAQExCzAJBgUrDgMCGgUAMIAGCSqGSIb3DQEHAaCAJIAEg... 8J1/FDsNPlsrbfA/AcAvaKpiILxKd6aD+7CAAAAAAA=

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Parameter	Description	Sample Value

principal	**Parameter Type:** Query
	
	Data Type: String
	
	Ivanti EPMM user to associate to the Device Enrollment profile's device.
	
	This value corresponds to the return field **principal** shown below when you get user info using **Devices & Users > Users** in the user interface:
	`{`
	`"rc": true,`
	`"total": 2,`
	`"generationTime": 1598854110957,`
	`"offset": 0,`
	`"results": [`
	`{`
		C23404779_User_70229196

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Parameter	Description	Sample Value
	"uuid": "4a4790b2-91bd-4c1c-9449-d31f8d1b1bee", "id": 9045, **"principal": "C23404779_User_70229196",** "deviceSpaceId": 1, "deviceSpacePath": "/1/", "roles": [... },	

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=C2340477
9_User_70229196"
```

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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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

GET

Request URI

api/v2/device_spaces

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 character **Max:** 10,000 characters **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	5000
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

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Parameter	Description	Sample Value
excludeDeviceCount	**Parameter Type:** Query **Data Type:** Boolean **Default:** false true = deviceCount field returned is always zero and you should ignore this value. false = deviceCount field contains actual device count. If you do not need the device count, then call it with "excludeDeviceCount=true," which yields faster results.	

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": [
    {
```

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```
      "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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

GET

Request URI

api/v2/device_spaces/mine

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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
}
```

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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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

GET

Request URI

api/v2/device_spaces/criteria

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	

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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 15 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.

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Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

POST

Request URI

api/v2/device_spaces

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	
name	**Required** **Parameter Type:** Request body **Data Type:** String Name of the space. Name must be unique.	
id	Required when updating a space **Parameter Type:** **Data Type:** Number ID of the space. Used for updating a space.	
parentId	**Required** **Parameter Type:** Request body **Data Type:** Number ID of the parent device space. 1 is the ID for the Global device space	
criteria	**Required** **Parameter Type:** Request body **Data Type:** String Space criteria.	`""criteria"":""\\""common.home_country_code\\"" = \\""US\\"" AND \\""common.home_country_name\\"" = \\""United States\\""""",""name"":""USA Devices""}"`

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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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

DELETE

Request URI

api/v2/device_spaces/[id]

Request parameters

Parameter	Description
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.
id	**Parameter Type:** Path **Data Type:** Number 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"
```

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Response


```
{
  "results": {
    "id": 4
  }
}
```


Assign admins to device space

This call assigns admins to a device space.

Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

POST

Request URI

api/v2/device_spaces/[deviceSpaceId]/admins

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path **Data Type:** Number **Min:** 1 **Max:** 10,000,000 The ID of device space ID to which to assign admins	
roles	**Required** **Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 100 List of roles to assign to the admins. See "Get a list of admin roles" on page 55 for the call you use to find the values for this parameter.	

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Parameter	Description	Sample Value
adminUsers	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 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.	
adminLdapEntities	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 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. **Note:** LDAP entities are not validated against LDAP. You must to pass in the correct values.	

Response fields

This call does not return any response fields, but does return the `HTTP 200 OK` response code upon success.

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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
,dc=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"
    }
```

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```
  ]
}
```

Response

```
200 OK
```

Delete admins from device space

This call unassigns admins from a device space.

Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

DELETE

Request URI

api/v2/device_spaces/[deviceSpaceId]/admins

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path and Request body **Data Type:** Number **Min:** 1 **Max:** 10,000,000 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	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 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.	

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Parameter	Description	Sample Value
adminLdapEntities	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 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. **Note:** LDAP entities are not validated against LDAP. You must to pass in the correct values.	

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.

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Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces (You can also make this call with the **Policy management** > **View policy** role.)

HTTP method

GET

Request URI

/msa/v2/policy/restrictions?adminDeviceSpaceId=*n*&deviceSpaceId=*n*

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 0 **Default:** 0 Device space ID of the administrator.	1
deviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 1 **Max:** 10,000,000 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>' \
```

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```
 -H 'cache-control: no-cache' \

 -H 'postman-token: 82baa5ef-b810-f602-1f2f-fd2d75dc91fb' \

 -d '{"policyRestrictions":
[{"policyProfileType":"PRIVACY","creationAllowedInSpace":true,"overrideGlobalPolicies"
:false},
{"policyProfileType":"SECURITY","creationAllowedInSpace":true,"overrideGlobalPolicies"
:false}]}'
```

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."
    }
  ]
}
```

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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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

POST

Request URI

msa/v2/policy/restrictions?deviceSpaceId

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Request parameters

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Parameter	Description	Sample Value
deviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number The ID of device space for which to configure policy restrictions.	3

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Parameter	Description	Sample Value

policyRestrictions	**Parameter Type:** Request body
	
	Data Type: JSON
	
	Container for the policy restrictions parameters.
	
	• **policyProfileType**: The type of restriction to configure. Can be:
	
	- **PRIVACY**
	- **SECURITY**
	
	• **creationAllowedInSpace**: Specifies whether admins can create policies in the space. Can be:
	
	- **true**
	- **false**
	
	• **overrideGlobalPolicies**: Specify whether Privacy and Security policies created in the space override global policies. Can be:
	
	- **true**: 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.
	- **false**: 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.
		(ignore the hyphens in the sample below. Do not use hyphens for the parameters)
		
		`{`
		`"policyRestrictions": [`
		`{`
		`"policyProfileType": "PRIVACY",`
		`"creationAllowedInSpace": true,`
		`"overrideGlobalPolicies": false`
		`},`
		`{`
		`"policyProfileType": "SECURITY",`
		`"creationAllowedInSpace": true,`
		`"overrideGlobalPolicies": false`
		`}`
		`]`
		`}`

Response fields

Field	Description
messages	Container describing the success or failure of the call.

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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"
:false},
{"policyProfileType":"SECURITY","creationAllowedInSpace":true,"overrideGlobalPolicies"
:false}]}'
```

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.

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Required Role

See "Authentication" on page 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

HTTP method

POST

Request URI

api/v2/device_spaces/[deviceSpaceId]/change_priority

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path **Data Type:** Number The ID of device space whose priority to change.	
deviceSpaceIdAboveMe	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 The ID of the device space whose priority is one step higher than the target device space. 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.

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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 15 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
Category: Admin Management **Role Description:** Manage administrators and device spaces

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HTTP method

POST

Request URI

api/v2/device_spaces/evaluate

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 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
```

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Label Management

Get information on all labels

This call returns information on all labels.

Required Role

See "Authentication" on page 15 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
Category: Label Management **Role Description:** View label

HTTP method

GET

Request URI

/api/v2/labels/label_summary

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Request parameters

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

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

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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: • ADMIN: Created by an admin. • SYSTEM: A pre-defined system label.

Sample request and response

Request

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

Response

```
{

  "totalCount": 10,
```

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```
"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",
```


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```
  "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",
```


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```
      "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"
```


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```
    },
    {
      "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.

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Required Role

See "Authentication" on page 15 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
Category: Label Management **Role Description:** View label

HTTP method

GET

Request URI

api/v2/labels/{labelid}/label_usage_summary

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
-labelId	**Required** **Parameter Type:** Path **Data Type:** Number Note that you need to precede the value with a dash.	-11

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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
```

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```
}
```

Get information about a specific label

This call provides information about a specific label.

Required Role

See "Authentication" on page 15 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
Category: Label Management **Role Description:** View label

HTTP method

GET

Request URI

/api/v2/labels/{labelId}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
-labelId	**Required** **Parameter Type:** Path **Data Type:** Number Note that you need to precede the value with a dash.	-11

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Response fields

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Field	Description
results	Array of the fields shown below.
uuid	
id	
principal	
deviceSpaceId	
deviceSpacePath	
name	
description	
state	
staticLabel	
searchCriteria	
query	
deviceCount	This call always returns 0 (zero) for the device count. To find out how many devices are using a specific label, use: GET "https://[Ivanti EPMM]/api/v2/labels/-1/label_usage_summary?adminDeviceSpaceId=1" • Replace [Ivanti EPMM] with the URL to your MonbileIron Corre environment. • Substitute -1 with the desired label id • Subsitute the "1" in adminDeviceSpaceId with the desired device space id. See "Get label usage information" on page 479 for more information.
isESSearch	

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Field	Description
devices	
deviceUuids	This call always returns 0 (zero) for deviceUuids. To find the deviceUuids, use "Search for devices" on page 311, for example, as follows: GET https://[Ivanti EPMM]/api/ v2/ devices?adminDeviceSpaceId =1&labelId=4&fields=common .os_version,common.uuid • Replace [Ivanti EPMM] with the URL to your MonbileIron Corre environment. • Substitute 4 with the desired label id • Subsitute the "1" in adminDeviceSpaceId with the desired device space id.
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,
```

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```
  "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 15 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
Category: Label Management **Role Description:** Manage label

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HTTP method

POST

Request URI

/api/v2/labels

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Request parameters

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Parameter	Description	Sample Value
deviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
criteria	**Required** **Parameter Type:** Request body **Data Type:** String Label criteria.	common.platform"="Android" AND "common.retired"=false
description	**Required** **Parameter Type:** Request body **Data Type:** String Description of the label.	Label for all Android Phones.

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Parameter	Description	Sample Value
labelId	Required if editing an existing label. Omit if adding a new label. **Parameter Type:** Request body **Data Type:** Number Precede the label with a dash.	-10
name	**Required** **Parameter Type:** Request body **Data Type:** Number Name of the label.	Android
static	**Required** **Parameter Type:** Request body **Data Type:** Boolean Determines whether the label is static.	false

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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	
deviceUuids	
type	
rowType	
assetId	
assetName	

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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",
```

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```
    "rowType": "ADMIN",
    "assetId": "-10",
    "assetName": "Android 2"
  }
}
```

Delete a label

This call deletes a label.

Required Role

See "Authentication" on page 15 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
Category: Label Management **Role Description:** Manage label

HTTP method

DELETE

Request URI

/api/v2/labels

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
-labelId	**Required** **Parameter Type:** Request body **Data Type:** Number Note that you need to precede the value with a dash.	-11
reason	**Parameter Type:** Request body **Data Type:** String 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
```

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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 15 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: Label Management **Role Description:** Manage label

HTTP method

POST

Request URI

/api/v2/devices/labels

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Request parameters

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Parameter	Description	Sample Value
deviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
entityIds	**Parameter Type:** Request body **Data Type:** Number A list of device ID for applied labels, empty for non-applied labels.	1,98
query	**Required** **Parameter Type:** Request body **Data Type:** String Name or description of label.	Label for all Android Phones.
assignedOnly	Required if editing an existing label. Omit if adding a new label. **Parameter Type:** Request body **Data Type:** Boolean **Default:** false true to get only assigned labels, otherwise it returns both assigned or unassigned labels	false

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Parameter	Description	Sample Value
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC

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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
```

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```
  ],
  "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": [
        "100000000"
      ],
      "isESSearch": "t"
    },
    {
      "uuid": null,
      "id": 7,
      "principal": null,
      "deviceSpaceId": 1,
```

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```
      "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 15 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: Device Management **Role Description:** View device page, device details
Category: Label Management **Role Description:** View label

HTTP method

GET

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Request URI

/api/v2/devices/*{deviceGuid}*/labels?adminDeviceSpaceId=*{adminDeviceSpaceId}*

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
deviceGuid	**Parameter Type:** Path **Data Type:** String Device GUID of the device for which to get label information.	9624b93e-ddb4-48d1-aea3-d2f0084b6b4d

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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
EPMM]/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": [
```

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```
      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,
```


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```
      "staticLabel": true
    }
  ],
  "totalCount": 4
}
```


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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 15 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
Category: Settings and Services Management **Role Description:** View logs and events

HTTP method

GET

Request URI

api/v2/attributes/definitions

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
type	**Required** **Parameter Type:** Query **Data Type:** String Type of attributes to return, device or user.	device
status	**Parameter Type:** Query **Data Type:** String Restricts the returned list to definitions of a specific status, active or inactive.	active
limit	**Optional** **Parameter Type:** Query **Data Type:** Number Indicates the maximum number of entries to return. Must be at least 0 and no more than 1000000. 0 returns all results.	
offset	**Optional** **Parameter Type:** Query **Data Type:** Number Indicates the index of the first entry to return. Must be at least 0 and no more than 1000000. 0 returns all results.	

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Parameter	Description	Sample Value
keyword	**Parameter Type:** Query **Data Type:** String Restricts returned list to definitions containing the specified keyword in name or description.	platform
sortField	**Optional** **Parameter Type:** Query Valid Values: • **name** • **description** • **modified_at** • **status** Name of the field to use for sorting.	
sortOrder	**Optional** **Parameter Type:** Query **Data Type:** String Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	

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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 Ivanti EPMM Device Management Guide for Android and Android Enterprise devices.
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
```

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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
}
]
}
```


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Get custom attribute definition

This call gets the custom attribute definition specified by the id parameter.

Required Role

See "Authentication" on page 15 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
Category: Settings and Services Management **Role Description:** Manage custom attributes

HTTP method

GET

Request URI

api/v2/attributes/definitions/{id}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Request path **Data Type:** String ID of the custom attribute whose data to retrieve.	2

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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": [
    {
```

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```
      "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 15 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
Category: Settings and Services Management **Role Description:** Manage custom attributes

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HTTP method

POST

Request URI

api/v2/attributes/definitions

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
description	**Parameter Type:** Request body **Data Type:** String Description of the custom attribute to create.	Platform custom attribute.
name	**Required** **Parameter Type:** Request body **Data Type:** String Name of the custom attribute to create.	TestAttribute

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Parameter	Description	Sample Value
dataType	**Required** **Parameter Type:** Request body **Data Type:** String Data type of the custom attribute to create. Three possible types: • BOOLEAN • LONG • STRING	long
type	**Required** **Parameter Type:** Request body **Data Type:** String 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",
```

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```
 "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 15 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
Category: Settings and Services Management **Role Description:** Manage custom attributes

HTTP method

PUT

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Request URI

api/v2/attributes/definitions/{id}

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	ID of the custom attribute definition to update.	2
description	**Parameter Type:** Request body **Data Type:** String Updated description of the custom attribute.	Platform costum attribute.
status	**Parameter Type:** Request body **Data Type:** String 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.

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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 15 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
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

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Request URI

api/v2/attributes/device/{uuid}

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
uuid	**Required** **Parameter Type:** Request path **Data Type:** String 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.
	...

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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 15 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
Category: Device Management **Role Description:** Edit custom device attribute values

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HTTP method

POST

Request URI

api/v2/attributes/device

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
uuids	**Required** **Parameter Type:** Request body **Data Type:** String uuids of the devices whose custom attributes to set.	"136da21e-9e95-4ea2-8b51-343297c58d8b", "ada0e9cd-ca15-49f6-98a8-3d304b83809f"
attributes	**Required** **Parameter Type:** Request body **Data Type:** String 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" }

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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,
```

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```
    "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 15 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
Category: User Management **Role Description:** View user

HTTP method

GET

Request URI

api/v2/attributes/user/{uuid}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
uuid	**Required** **Parameter Type:** Request path **Data Type:** String 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'
```

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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 15 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
Category: User Management **Role Description:** Edit custom user attribute values

HTTP method

POST

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Request URI

api/v2/attributes/user

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
uuids	**Required** **Parameter Type:** Request body **Data Type:** String uuids of the users whose custom attributes to set.	"c9d3a454-c1b9-4922-a381-932823d0c0e5", "28df8c43-20e0-44f3-9771-d526cc854e33", "a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5"
attributes	**Required** **Parameter Type:** Request body **Data Type:** String 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!", "userLong1" : ""

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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-c1b9-4922-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,
```

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```
    "invalidUuids": [ ]
  }
}
```

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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 541:
  GET api/v2/certificates/search_export_status
- "Download the CSV file" on page 543:
  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 15 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: Logs and Events Management **Role Description:** Manage certificates, View certificates

HTTP method

POST

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Request URI

api/v2/certificates/search_export

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Body **Data Type:** Number Device space ID of the administrator.	1
ceSettingName	**Required** **Parameter Type:** Request body **Data Type:** String Certificate enrollment configuration name.	LccalCE

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Parameter	Description	Sample Value
certificateStatus	**Required** **Parameter Type:** Request body **Data Type:** String Status of the target certificate. Can be one of: • ACTIVE • EXPIRED • PENDING_REVOCATION • MANUAL_REVOCATION_REQUIRED • REVOKED • SENT • WAITING_SEND • GENERATING • HIGH_GENERATING	ACTIVE
userId	**Parameter Type:** Request body **Data Type:** String User ID associated with the target certificates.	
deviceUUID	**Parameter Type:** Request body **Data Type:** String Device uuid associated with the target certificates.	5f1db255-8d3d-4943-8bab-d556cacce855

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Parameter	Description	Sample Value
expiresAfter	**Parameter Type:** Request body **Data Type:** Date Gets certificates that are going to expire after this date.	The values are expressed milliseconds since Unix epoch time. Example: 1785823788000 is epoch time for Tue, 04
expiresBefore	**Parameter Type:** Request body **Data Type:** Date Gets certificates that are going to expire before this date.	The values are expressed milliseconds since Unix epoch time. Example: 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'
```

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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.

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Required Roles

See "Authentication" on page 15 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: Logs and Events Management **Role Description:** Manage certificates, view certificates
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/certificates/search_export_status

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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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. "success" - If the processing is completed successfully. "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 15 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.

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Required Roles
Category: Logs and Events Management **Role Description:** Manage certificates, View certificates
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/certificates/search_download_csv

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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.

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Required Roles

See "Authentication" on page 15 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: Logs and Events Management **Role Description:** Manage certificates, View certificates
Category: Device Management **Role Description:** View dashboard, device page, device details

HTTP method

GET

Request URI

api/v2/certificates/search

Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
ceSettingName	**Required** **Parameter Type:** Request body **Data Type:** String This is the certificate enrollment configuration name.	LocalICE
certificateStatus	**Parameter Type:** Request body **Data Type:** String Status of the target certificate. Can be one of: • ACTIVE • EXPIRED • PENDING_REVOCATION • MANUAL_REVOCATION_REQUIRED • REVOKED • SENT • WAITING_SEND • GENERATING • HIGH_GENERATING	ACTIVE

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Parameter	Description	Sample Value
userId	**Parameter Type:** Request body **Data Type:** String User ID associated with the target certificates.	
deviceUUID	**Parameter Type:** Request body **Data Type:** String Device uuid associated with the target certificates.	5f1db255-8d3d-4943-8bab-d556cacce855
expiresAfter	**Parameter Type:** Request body **Data Type:** Date Gets certificates that are going to expire after this date.	The values are expressed milliseconds since Unix epoch time. Example: 1785823788000 is epoch time for Tue, 04
expiresBefore	**Parameter Type:** Request body **Data Type:** Date Gets certificates that are going to expire before this date.	The values are expressed milliseconds since Unix epoch time. Example: 1785823788000 is epoch time for Tue, 04

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Response fields

Field	Description
results	An array of certificate objects.
id	
serialNumber	
type	
trash	
expiredAt	
createdAt	
userId	
deviceId	
deviceUuid	
localCAId	
ceSettingName	
certificateStatus	
ceId	
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.

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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",
```


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```
      "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.SUCCES
S",
      "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.

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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 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

/api/v2/configuration/CE/USER_PROVIDED/{CEid}/uploadCertificate

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Request parameters

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Parameter	Description	Sample Value
CEid	**Required** **Parameter Type:** Query path **Data Type:** String Internal certificate ID To find the value for CEid, use the call, "Get CE configuration information" on page 573.	10
file	**Required** **Parameter Type:** Request payload **Data Type:** Multi-part file The location of the certificate p12 file	@//Users/patluri/Downloads/MIQAMDMProduction.p12
principal	**Required** **Parameter Type:** Request payload **Data Type:** String Username of the certificate owner See the note below about usernames containing special characters.	-F principal='theadmin'

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Parameter	Description	Sample Value
password	**Required** **Parameter Type:** Request payload **Data Type:** Form-encoded string. Password for the user-provided certificate. 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/MIQAMDMProduction.p12 -F password='xyzsdmobile' -F
principal='theadmin'
```

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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 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

api/v2/configuration/CE/USER_PROVIDED/{CEid}/deleteCertificate

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Request parameters

Parameter	Description	Sample Value
CEid	**Required** **Parameter Type:** Query path **Data Type:** String Internal certificate ID.	10
userId	**Required** **Parameter Type:** Request payload **Data Type:** String Username of the certificate owner.	d '{"userId": "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"}'
```

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Sample Response


```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCESS_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 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

api/v2/configuration/CE/USER_PROVIDED/{CEid}/getCertificate

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Request parameters

Parameter	Description	Sample Value
CEid	**Required** **Parameter Type:** Query path **Data Type:** String Internal certificate ID.	10
usernId	**Required** **Parameter Type:** Request payload **Data Type:** String 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/10/getCertificate' -d '
{"userId": "theadmin"}'
```

Sample Response

```
{
  "results": {
    "id": null,
```

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```
    "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.SUC
CESS_GET_CERTIFICATE",

      "localizedMessage": "Certificate successfully retrieved."

    }

  ]

}
```


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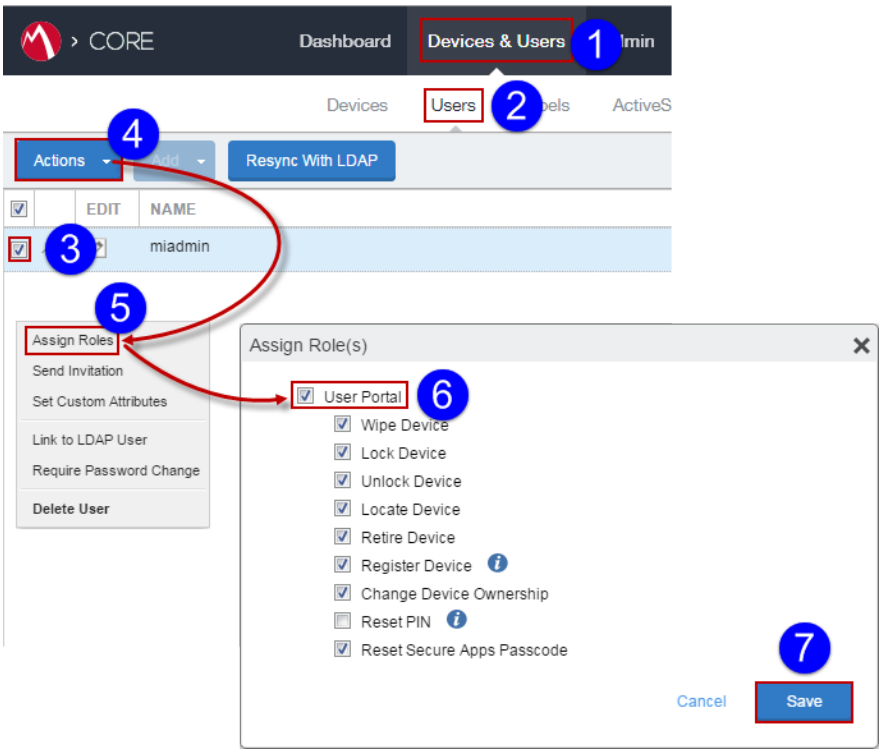
Get list of all user provided certificate enrollment IDs' information with associated certificate details.

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

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Request parameters

Parameter	Description	Sample Value
userId	**Required** **Parameter Type:** Request payload **Data Type:** String 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,
```

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```
    "certificateUploadedDate": 1577964355000,
    "isPkcs12": true
   }
  ],
  "messages": [
   {
    "type": "Info",
    "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUC
CESS_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 15 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.

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Required Roles
Category: Logs and Events Management **Role Description:** 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
EPMM]/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 15 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: Logs and Events Management **Role Description:** Manage certificates, View certificates

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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.

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Required Roles

See "Authentication" on page 15 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
Category: User Management **Role Description:** Manage user

HTTP method

GET

Request URI

api/v2/configuration/SCEP/{appsubtype}/summary

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Request parameters

Parameter	Description	Sample Value
appsubtype	**Required** **Parameter Type:** Path **Data Type:** String The sub-type about which to fetch information. Can be: • BLUE_COAT • CLIENT_PROVIDED • USER_PROVIDED • ENTRUST • GLOBAL_SIGN,LOCAL • OPEN_TRUST • SCEP,SINGLE_FILE_IDENTITY • SYMANTEC_MANAGED_PKI • SYMANTEC_WS_MANAGED_PKI	USER_PROVIDED

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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.

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Required roles

See "Authentication" on page 15 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: Configuration Management **Role Description:** Manage configuration, View configuration

HTTP method

POST

Request URI

api/v2/configuration/SCEP/SCEP/*{id}*/challenge

Request parameters

Parameter	Description	Sample Value
id	**Required** **Parameter Type:** Path **Data Type:** Number The id of the SCEP configuration whose challenge password to change.	1
-d	**Required** **Parameter Type:** Request body **Data Type:** String The new password.	123hjk

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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 15 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: Configuration Management **Role Description:** Manage configuration, View configuration

HTTP method

GET

Request URI

api/v2/configuration/CE/issue_test_certificate

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
ceConfigName	**Required** **Parameter Type:** Query **Data Type:** String Name of the Identity Certificate configuration for which to fetch the certificate.	Test Scep
email	**Optional** **Parameter Type:** Query **Data Type:** String 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'
```

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Sample response

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```
                {
                        "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:36:bc:aa:a3],[56:66:d1:a4]
                        modulus:
xxxxx3a59de98137ff762d79d2d704434debc57ba428abd4e137bc0cd1f2f14e0b8de27e89daa242bb3c39
5b453392195ba4210ea88a7c7c8b501f65dc8f68d5e2f75350656da49b624ce169e7e067d886b49fb70d69
825dadfe43f489f2f5344954f90097b9fc2c1708c4c9859806fb6a9637495a911172e244ec2aa4a3897534
a61c0323a96d365f5e95b742c9119e6bb1081a086b1f29ecb2aea91987326a4b9b1faeb9ee15767ebe4afc
70021545060ef08f4e6febb638a6750d828577999bd6f56b283cd7926304d6828442ae312fe2b8b579a7a1
4849a1065f7297efff5cb0cbb99d6910f2e648e4212123cb872afef3ac412505f9307136f1690c581d
                        public exponent: 10001

                        Signature Algorithm: SHA384WITHRSA
                        Signature: xxxxx9455327837fc0587d6cadd85c6973aec817
                        550013c4afcfbd343874142c1128ec87ed936ad1
                        0cc5cade6767d5a25ef164d9992c68cc6c981c86
                        4a689efe43db09e51b4e7a8ab01d6e71c6065256
                        9228749be091f9950b74b9cb502890c8ae1c6f50
                        0be04d0986f9aafea016b17423d54fbdda0d7725
                        f5b54dc1aedc3100bcd0ddec9654a0edc8b10bca
                        a1d4f330b4ce6c4c514f0d6bff77608a37082e89
                        9c6594555003fe54b755a7a20f13b1ebda7ff0ce
                        77ed58372c02de3bbb0db17f52c56e72c7067803
                        017fcd91063d6388e1e4d925dd92dec3c2333741
                        bc579ad3fe5a95a1081fad4e3f57696259f8b574
                        6b21411e090c1ef9f67e42b14b0c811b6927e579
                        3c4c83b386d3158cc0ad67b271c19abcda7539af
                        edcf91c71eb72a7c9ac706aee39d7c5b3b04e142
                        2c1f321be8bd51595438f51fa1cac2db01da6db2
                        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
```


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```
                        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-----
                        MIIElxxxxx6gAwIBAgIBZTANBgkqhkiG9w0BAQwFADATMREwDwYDVQQDDAhMT0NB
                        TCBDQTAeFw0yMjAyMTYwNTUwMDVaFw0yMzAyMTcwNTUwMDVaMEgxITAfBgNVBAMM
                        GHRlc3R1c2VyQHlvdXJjb21wYW55LmNvbTEjMCEGA1UECwwaYXBwU2V0dGluZzpb
                        Q09OU1VNRVJfVVVJRF0wggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQC9
                        glOlnemBN/92LXnS1wRDTevFe6Qoq9ThN7wM0fLxTguN4n6J2qJCuzw5W0Uzkhlb
                        pCEOqIp8fItQH2Xcj2jV4vdTUGVtpJtiTOFp5+Bn2Ia0n7cNaYJdrf5D9Iny9TRJ
                        VPkAl7n8LBcIxMmFmAb7apY3SVqREXLiROwqpKOJdTSmHAMjqW02X16Vt0LJEZ5r
                        sQgaCGsfKeyyrqkZhzJqS5sfrrnuFXZ+vkr8cAIVRQYO8I9Ob+u2OKZ1DYKFd5mb
                        1vVrKDzXkmME1oKEQq4xL+K4tXmnoUhJoQZfcpfv/1ywy7mdaRDy5kjkISEjy4cq
                        /vOsQSUF+TBxNvFpDFgdAgMBAAGjggE+MIIBOjBCBgNVHSMEOzA5gBSd8wHqH7wS
                        k4tFRjDRqpDNrr2Z8aEXpBUwEzERMA8GA1UEAwwITE9DQUwgQ0GCCE1EMNOHwldZ
                        MB0GA1UdDgQWBBRZSv2PG8Ox7Yiej4P3yNmJg5K2gjAMBgNVHRMBAf8EAjAAMBYG
                        A1UdJQEB/wQMMAoGCCsGAQUFBwMCMA4GA1UdDwEB/wQEAwIFoDBJBgNVHR8EQjBA
                        MD6gPKA6hjhodHRwOi8vZWFwcDQ2NS5hdXRvLm1vYmlsZWlyb24uY29tOjgwODAv
                        bWlmcy9jYS81L2NhLmNybDBUBggrBgEFBQcBAQRIMEYwRAYIKwYBBQUHMAKGOGh0
                        dHA6Ly9lYXBwNDY1LmF1dG8ubW9iaWxlaXJvbi5jb206OODA4MC9taWZzL2NhLzUv
                        Y2EuY2VyMA0GCSqGSIb3DQEBDAUAA4IBgQCqC5lFUyeDf8BYfWyt2Fxpc67IF1UA
                        E8Svz700OHQULBEo7Iftk2rRDMXK3mdn1aJe8WTZmSxozGyYHIZKaJ7+Q9sJ5RtO
                        eoqwHW5xxgZSVpIodJvgkfmVC3S5y1AokMiuHG9QC+BNCYb5qv6gFrF0I9VPvdoN
                        dyX1tU3BrtwxALzQ3eyWVKDtyLELyqHU8zC0zmxMUU8Na/93YIo3CC6JnGWUVVAD
                        /lS3VaeiDxOx69p/8M537Vg3LALeO7sNsX9SxW5yxwZ4AwF/zZEGPWOI4eTZJd2S
                        3sPCMzdBvFea0/5alaEIH61OP1dpYln4tXRrIUEeCQwe+fZ+QrFLDIEbaSfleTxM
                        g7OG0xWMwK1nsnHBmrzadTmv7c+Rxx63Knyaxwau4518WzsE4UIsHzIb6L1RWVQ4
                        9R+hysLbAdptst7ap5YjGE9mlIUTl81C60aqJX6SBD9S8pRQ2S4KkkNPG6qMN02b
                        WPWxYtjl0RPdv7/QBMUkskYxe0MXidQWGmI=
                        -----END CERTIFICATE-----"
                        },
                        "messages": [
                        {
                        "type": "Info",
                        "messageKey":
"com.mobileiron.vsp.messages.certificates.issue.test.certificate.success",
                        "localizedMessage": "Successfully issued a test certificate for the provi
configuration."
                        }
                        ]
                }
```


Get CE configuration information

This call gets Certificate Enrollment (CE) configuration information for the provided sub-type.

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Required Roles

See "Authentication" on page 15 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: Logs and Events Management **Role Description:** Manage certificates, View certificates

HTTP method

GET

Request URI

api/v2/configurations/CE/{caprotocol}/configurations

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Request parameters

Parameter	Description	Sample Value
caprotocol	**Required** **Parameter Type:** Path **Data Type:** String The sub-type about which to fetch information. Can be: • BLUE_COAT, • CLIENT_PROVIDED, • USER_PROVIDED, • ENTRUST, • GLOBAL_SIGN,LOCAL, • OPEN_TRUST, • SCEP,SINGLE_FILE_IDENTITY, • SYMANTEC_MANAGED_PKI, • SYMANTEC_WS_MANAGED_PKI	USER_PROVIDED

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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.

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Required Roles

See "Authentication" on page 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search

Request parameters

Parameter	Description	Sample Value
CEID	**Required** **Parameter Type:** Path **Data Type:** Number The id of the certificate enrollment configuration	32

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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"
```

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```
      }
    ],
"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 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search_export

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Request parameters

Parameter	Description	Sample Value
CEID	**Required** **Parameter Type:** Path **Data Type:** Number 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"
```

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```
  },
  "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 15 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
Category: User Management **Role Description:** Manage user

HTTP method

POST

Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search_export_status

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Request parameters

Parameter	Description	Sample Value
CEID	**Required** **Parameter Type:** Path **Data Type:** Number 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
```

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```
    }
}
```

Download summary for users without certificates

This call downloads the user summary for users without certificates.

Required Roles

See "Authentication" on page 15 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
Category: User Management **Role Description:** Manage user

HTTP method

GET

Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search_download_csv

Request parameters

Parameter	Description	Sample Value
CEID	**Required** **Parameter Type:** Path **Data Type:** Number The id of the certificate enrollment configuration	10

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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'
```

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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 15 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
Category: Other Roles **Role Description:** View device feature usage data

HTTP method

GET

Request URI

api/v2/featureusage_history

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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

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

```
{
```

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```
 "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 15 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
Category: Other Roles **Role Description:** View device feature usage data

HTTP method

GET

Request URI

api/v2/featureusage

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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	**Parameter Type:** Query **Data Type:** String **Default:** json 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	**Parameter Type:** Query **Data Type:** String 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

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Response fields

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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.
helpIos	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.

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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"
  },
```


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```
....
  {
   "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"
  }
 ]
}
```


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Compliance Actions

List all compliance actions

Gets a list of existing compliance actions.

Required roles

See "Authentication" on page 15 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 **Role Description:** View compliance policy

HTTP method

GET

Request URI

api/v2/compliance_action

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1

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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'
```

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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,
```


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```
      "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 15 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.

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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

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
name	**Required** **Parameter Type:** Request body **Data Type:** Text Name of the tiered compliance action.	Three tiers 12 hour then 1 day delay
localCompliance	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false. Specifies whether Ivanti EPMM enforces the first tier on the device if possible.	true
tiers	**Required** **Parameter Type:** Request body **Data Type:** Container for the tiers data.	n/a
delay	**Parameter Type:** Request body **Data Type:** text. Specifies the delay time. Formatted as ISO8601 durations.	PT12H

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Parameter	Description	Sample Value
complianceSettings	**Required** **Parameter Type:** Request body **Data Type:** Container for the compliance settings data.	n/a
quarantine	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
wipe	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false. Only for Android devices on which the custom ROM setting is enabled.	true
block	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
alert	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
quarantineSettings	**Parameter Type:** Request body **Data Type:** Container for the quarantine settings data.	n/a

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Parameter	Description	Sample Value
removeConfigurations	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
excludeWifiOnly	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
removeWifi	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
removeApps	**Parameter Type:** Request body **Data Type:** Boolean 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 '{
```

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```
"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
  }
 },
 {
```


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```
    "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
}
```

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Update a compliance action

Updates a compliance action.

Required roles

See "Authentication" on page 15 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

PUT

Request URI

api/v2/compliance_action/*id*

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Query **Data Type:** Number ID of the compliance action to update.	9
name	**Required** **Parameter Type:** Request body **Data Type:** Text Name of the tiered compliance action.	Three tiers 5 minute delays
localCompliance	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false. Specifies whether Ivanti EPMM enforces the first tier on the device if possible.	true
tiers	**Required** **Parameter Type:** Request body **Data Type:** Container for the tiers data.	n/a

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Parameter	Description	Sample Value
delay	**Parameter Type:** Request body **Data Type:** text. Specifies the delay time. Formatted as ISO8601 durations. 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.	PT5M
complianceSettings	**Required** **Parameter Type:** Request body **Data Type:** Container for the compliance settings data.	n/a
quarantine	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
wipe	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false. Only for Android devices on which the custom ROM setting is enabled.	true
block	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true

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Parameter	Description	Sample Value
alert	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
quarantineSettings	**Parameter Type:** Request body **Data Type:** Container for the quarantine settings data.	n/a
removeConfigurations	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
excludeWifiOnly	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
removeWifi	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true
removeApps	**Parameter Type:** Request body **Data Type:** Boolean Can be true or false.	true

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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",
```

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```
    "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

```
{
```

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```
  "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 15 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 **Role Description:** View compliance policy

HTTP method

GET

Request URI

api/v2/compliance_action/*id*

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Query **Data Type:** Number ID of the compliance action for which information needs to be fetched.	9

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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'
```

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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.

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Required roles

See "Authentication" on page 15 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

DELETE

Request URI

api/v2/compliance_action/*id*

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Query **Data Type:** Number ID of the compliance action to delete.	9

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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'
```

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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 625.

Required roles

See "Authentication" on page 15 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

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HTTP method

GET

Request URI

api/v2/substitution_variables?adminDeviceSpaceId=*n*

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number 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>' \
```

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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"
```


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```
},
{
  "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"
},
```


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```
{
  "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"
},
{
```


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```
  "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": "$TIMESTAMP_MS$",
```


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```
  "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"
```


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```
      }
    ]
  }
```

Create compliance action message

This call creates a compliance action message. You can use the substitution variables described in "Get substitution variables" on page 618 to contruct your message.

Required roles

See "Authentication" on page 15 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_policy/rules/*ruleId*/messages?adminDeviceSpaceId=*n*

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
ruleId	**Required** **Parameter Type:** Query **Data Type:** Number 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	

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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
}
```

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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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/accounts

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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 \
```

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```
 -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+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTA0tjA2NTAxNDIxFqhFgBO79RGgQAAAA==",
      "userSinceToken":
"H4sIAAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTA0tjA2NTAxMjc3FqhFgB+vRUagQAAAA==",
      "lastSyncedAt": 1509303504000,
      "priority": 1,
      "userSyncStatus": true,
      "licenseSyncStatus": true,
      "stoken":
"eyJleHBEYXRlIjoiMjAxOC0wOS0xNFQxNTozMToyOC0wNzAwIiwidG9rZW4iOiJhUXMrSnUvT2FJd2NKWjZ4a
kRDZ0pFQVd6UkZPWnovMk1rM3A5bHhmaXdoNmxDdTlSNDd4Zk9VZ2dXWnpPUzFUaVhmRThsSzMrd21VUVRWQTV
2R2ROZnl6N3BRWURvY3RISmU2a0NLZWhvVT0iLCJvcmdOYW1lIjoiTW9iaWxlSXJvbiJ9",
      "encryptedToken":
"V2DAtJ1y+hzMvsn5gosgeHvFPMBMHghkA8+/hbFokoH5JTh8oAoOAdHWkwn6LjCsG9Wca6gLa+h8mUZQiNN62
bu+b+rLL6tadjy6ZZ4Xa9WlxbHgIXApC+6b59LIs/hhBdFjx2ysq8RkLtdqFTo7tIeu2kUIJaQEc/uWSZfWvSf
SlZMeJqqhmLUY7KsPVXjJYQgSclwiO+6K9UhL0aJCbjRh9dkHysvhD6vt9b3ur30AcBtI+R3+lVjgydy0HGtNW
vRMqv/wfOX2MtGJviG9v0uFl9nABjQGdBL72T/DmOtfaTygyLZfso6cShU2FWtGRUxtsQ+ZTVSUtSFk2im/2Pn
LM9nrBEDu1d44h+dqs=",
      "expireDateString": "September 14 2018",
      "pendingDelete": false,
      "numDaysToExpire": 320
    }
  ]
```


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```
}
```

Get all Apple Licenses accounts

This call gets information about all Apple Licenses accounts, unpaginated.

Required role

See "Authentication" on page 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/accounts/all

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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	

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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":
"H4sIAAAAAAAAAKtWKKksSFWwVVAqzsxLTvXNT8lMy0xNUbJWUMhMg/GCwVKZOTmZxUCVhqZGBiYm5gYWQMLcW
qEWAMa806BDAAAA",
      "userSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NTYwlqhFgA5krZ0gQAAAA==",
      "lastSyncedAt": 1520447135000,
      "priority": 1,
      "userSyncStatus": true,
      "licenseSyncStatus": true,
      "adminDeviceSpaceId": 1,
      "deviceSpaceName": "Global",
      "deviceSpacePath": "/1/",
      "expireDateString": "March 07 2019",
      "stoken":
"eyJleHBEYXRlIjoiMjAxOS0wMy0wN1QxMDoxNjo0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1W
TU2TFE2RDhaSWtxTS9JbmQ0ZEdNU1Q4aFZQU3c1YmxST2JCVlhHTzdoczZmTElWZlo2c0JxTDY1WXdSVHNEZDN
uZDBza3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmdOYW1lIjoiTW9iaWxlSXJvbiJ9",
      "numDaysToExpire": 364,
```


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```
      "encryptedToken":
"V2DFgLCX40+25VSLrtLll+pm4xlIoeCFa0XRgL+2aD/lKcx8Iq1kPRJHIsNtjoi0URflwjkqdwcxGeUHotL9Y
UF/UVA7uSgfnBeWDt+TYQAS2wEDOTMN51sl+zBUz5G4mW+xI1CoWzBm+SLzgOop5M7mXJ9e7A6PGU0w+YTTZ3+
YN6K2bd0x9rkM3ofQKbVqycre0J5hLWpH00PgZv2vri9isbIZVaBLOdNrNJEtn6iQbAKpERaSjZ2X67gwkOgwG
LkoF9wt3DA4mFGmVBZgFafpeNXizI6A3IMDZtNzyYVxHkCasaoWl5Gu85x/RQx0GaCGpCmL7XkvH7766pg43hy
YS3yV/OKr53uck1kdU=",

      "pendingDelete": false

    },

    {

      "id": 2,

      "name": "blue4",

      "description": "",

      "appleId": "",

      "sTokenModifiedDate": "2018-03-07",

      "licenseSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NQYqK4WANa6ArGBAAAA",

      "userSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NTMwlqhFgBJHVa8gQAAAA==",

      "lastSyncedAt": 1520447135000,

      "priority": 2,

      "userSyncStatus": true,

      "licenseSyncStatus": true,

      "adminDeviceSpaceId": 1,

      "deviceSpaceName": "Global",

      "deviceSpacePath": "/1/",

      "expireDateString": "March 07 2019",

      "stoken":
"eyJleHBEYXRlIjoiMjAxOS0wMy0wN1QxMDoxNzowNC0wODAwIiwidG9rZW4iOiJzZFdEQ1pYbTJHa3dMSEdKR
XJkZENvWm11ZzloOGFBTnN2OFlJdTQxWmg3VlAxdUZpSHJKRW1LWGZaY0h3b1FKamN3ZUdMZjJiQysvYXRBaU5
QaUFpMzNSWTNMRlVJNFFSNkFldEFVeDh5MD0iLCJvcmdOYW1lIjoiTW9iaWxlSXJvbiJ9",

      "numDaysToExpire": 364,

      "encryptedToken":
"V2DJvIUXcIQxzVnFl7+8eCa6xTA35j3obOvusY28+eBgBPo1ADPcyWdctCOxjP8BS1X7sOBuO/W5MHTf0R2aS
WDxZyRPKiLTZp2ERR+7Z5Zq+baV/p132wV65ppvKg94EIlf/xk//M8asBtGifmUZksa3dUvOGuWSCQ8ZZwnKsU
8JiK8lP6UTiEjyDAVgt27VzEIsYRuX/p0iZwQwqHsF0Qa/Wh5hEHLFjQaPMgjfAP8jwxXvIU1gM8gm2gsmZxXo
j/7f5Zkaw4Y14DBTLGgsB08jZ0gTc5Dtl+R211qXkg1baJ6OxtEnh4fQWcbOQaeJAieoJfA/BpvTE5Tby5TFZp
F/wJDaHkRsDhYh6hxE=",

      "pendingDelete": false

    }
```


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```
  ],
  "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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/accounts/{id}

Request parameters

Parameter	Description	Sample Value
id	**Required** **Parameter Type:** Query **Data Type:** Number ID of the Apple Licenses account.	1

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Response fields

Field	Description
results	
id	
name	
description	
appleId	
sTokenModifiedDate	
licenseSinceToken	
userSinceToken	
lastSyncedAt	
priority	
userSyncStatus	
licenseSyncStatus	
adminDeviceSpaceId	
deviceSpaceName	
deviceSpacePath	
expireDateString	
stoken	
numDaysToExpire	
encryptedToken	
pendingDelete	

Sample request

```
curl -X GET \
 https://[Ivanti EPMM]/msa/v2/vpp/accounts/1 \
```

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```
 -H 'Authorization: Basic <token>' \
```

Sample response


```
{
  "results": {
    "id": 1,
    "name": "blue2",
    "description": "",
    "appleId": "",
    "sTokenModifiedDate": "2018-03-07",
    "licenseSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTEwsDY1MzQ3FqhFgBv7PE2gQAAAA==",
    "userSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTEwsDY1MzMyFqhFgBNwA+zgQAAAA==",
    "lastSyncedAt": 1520448035000,
    "priority": 1,
    "userSyncStatus": true,
    "licenseSyncStatus": true,
    "adminDeviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "expireDateString": "March 07 2019",
    "stoken":
"eyJleHBEYXRlIjoiMjAxOS0wMy0wN1QxMDoxNjo0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1W
TU2TFE2RDhaSWtxTS9JbmQ0ZEdNU1Q4aFZQU3c1YmxST2JCVlhHTzdoczZmTElWZlo2c0JxTDY1WXdSVHNEZDN
uZDBza3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmdOYW1lIjoiTW9iaWxlSXJvbiJ9",
    "numDaysToExpire": 364,
    "encryptedToken":
"V2DPNTJs5g/xs9fGfdNPW7Oukg84d7DT6uUb9Q/8c+52WrunoICEel/JuVxVuFOxVvfc0oUB/FhcF4D17GOh7
HMGgzxbcYsIIi/TIadEUpJp9CQZQ7kGU6G9fwLK2h7ndtwA+Z9qQmR93GR1PV8N8ydhKQgwy6c+rQYmfu5/+bs
O2t38D6nYtUgEYkV+f24BppiP5Op9PCteDYZOCpmoyacHSeNnfFoLVFqx2n0pzDJ4ajEONETDLle2727vdwOs7
XgDdhGYxj0qR9EPjepTfCx0hLva9BGq+xbm0ygZihEvayDvTNwAP6eQL7qkV0v+SMZXA41Zgs18WCV6YevSkmB
JQ5oUI7OEFuXoubsr8=",
    "pendingDelete": false
  }
}
```


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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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/accounts/{accountId}/licenses

Request parameters

Parameter	Description	Sample Value
accountId	**Required** **Parameter Type:** Query **Data Type:** Number Target Apple Licenses account ID for which to get license information.	1

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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,
```

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```
      "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 15 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
Category: App Management **Roles Description:** Manage App Licenses

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HTTP method

POST

Request URI

msa/v2/vpp/accounts/{accountId}/fullsync

Request parameters

Parameter	Description	Sample Value
accountId	**Required** **Parameter Type:** Query **Data Type:** Number 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
}
```

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Add an Apple license account

This call adds an Apple license account.

Required role

See "Authentication" on page 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

POST

Request URI

msa/v2/vpp/accounts

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Request parameters

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Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
appleId	**Parameter Type:**Body **Data Type:** String Apple ID for which to create the license.	
description	**Parameter Type:**Body **Data Type:** String License description.	
name	**Parameter Type:**Body **Data Type:** String Device space ID of the administrator.	
priority	**Parameter Type:**Body **Data Type:** Integer Priority of the license.	

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Parameter	Description	Sample Value
sToken	**Parameter Type:**Body **Data Type:** String sToken value.	
shared	**Parameter Type:**Body **Data Type:** Boolean true or false, is the license shared.	
locale	**Parameter Type:**Body **Data Type:** String 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":
"eyJleHBEYXRlIjoiMjAyMy0xMS0wN1QyMjowNDoxOCswMDAwIiwidG9rZW4iOiJyS1J6a1BBNUJHcmZnWnRkT
TJzbGh1M0JOVTdlYVNKY2FyNU5uTHVYbi9BRmtpK1JwaWRIR3oyT0c5YnRBOEJRaXJYSU1yTDZmQm5TNThRd3B
TNXNRaldua1JNci9BdW5vNGkxZXhaSnBDeFp3S1k5cEVFcXJOT3lZWCtLcjlFL3FLR3JSU1JQbFZMUVdkNTBFT
0o3M0dCMjUvZnVJQWM1NXRHb1ljdE5acmk5elptUWhPV210c0tTSm5hR0xTamgiLCJvcmdOYW1lIjoiTU9CSUx
FSVJPTiwgSU5DLiJ9",

>     "description":"test"

> }'
```

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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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

DELETE

Request URI

msa/v2/vpp/accounts/{accountId}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
accountId	**Parameter Type:**Path **Data Type:** String 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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

PUT

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Request URI

msa/v2/vpp/apps/labels

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
catalogId	**Required** **Parameter Type:** Request body **Data Type:** Long Catalog ID of the app to apply to a label.	119
vppAccountId	**Required** **Parameter Type:** Request body **Data Type:** Integer ID of the target Apple Licenses account.	1
labelIds	**Required** **Parameter Type:** Request body **Data Type:** array[Long] ID of the label or labels to which to apply the app.	-6

Response fields

Field	Description
{}	

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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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

DELETE

Request URI

msa/v2/vpp/apps/labels

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
catalogId	**Required** **Parameter Type:** Request body **Data Type:** Number Catalog ID of the app to delete from a label.	119
vppAccountId	**Required** **Parameter Type:** Request body **Data Type:** Number ID of the target Apple Licenses account.	1
labelIds	**Required** **Parameter Type:** Request body **Data Type:** Number ID of the label or labels from which to delete the app.	-6

Response fields

Field	Description
{}	

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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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/apps/{catalogId}/summary

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
catalogId	**Required** **Parameter Type:** Request body **Data Type:** Number Catalog ID of the app.	121

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Response fields

Field	Description
results	
numDeviceLicenses	
numUserLicenses	
numVPPAccounts	
numAvailableLicenses	
numUsedLicenses	
numTotalLicenses	
catalogId	
iconFile	
fileName	
uuid	
url	
appIcon	
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,
```

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```
    "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=d31a
e54a-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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

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Request URI

msa/v2/vpp/apps/{catalogId}/vppaccounts

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
catalogId	**Required** **Parameter Type:** Request body **Data Type:** Number Catalog ID of the app.	121

Response fields

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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 \
```

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```
'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":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwszSzFqhFgBU2ojzgQAAAA==",
      "userSinceToken":
"H4sIAAAAAAAAAKtWMFCwVdBQUNC0VlAoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQOQZGVBKpCpVJyZl5zqm5+Sm
ZaZmqKEogtZeWYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwtzU2FqhFgDCFPrKgQAAAA==",
      "lastSyncedAt": 1520453468000,
      "priority": 1,
      "userSyncStatus": true,
      "licenseSyncStatus": true,
      "adminDeviceSpaceId": 1,
      "deviceSpaceName": "",
      "deviceSpacePath": "",
      "expireDateString": "March 07 2019",
      "stoken":
"eyJleHBEYXRlIjoiMjAxOS0wMy0wN1QxMDoxNjo0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1W
TU2TFE2RDhaSWtxTS9JbmQ0ZEdNU1Q4aFZQU3c1YmxST2JCVlhHTzdoczZmTElWZlo2c0JxTDY1WXdSVHNEZDN
uZDBza3NzQlk4SGNIU1FNSTNLVFlhQUxtRT0iLCJvcmdOYW1lIjoiTW9iaWxlSXJvbiJ9",
      "numDaysToExpire": 364,
      "encryptedToken":
"V2DMgs34fNkRL0R2NrM/i+PuhaAJQkhgJhf3fmiNA8Wj0+VPRqzphylyQnY0b7VgmuAdC3bUmI341XyMVl9h3
nb/mNot77AP/ZWVZBXbxzqq+Yrey9X4AWtElmL7u17FQv3y6Y1f/eYRdFxMOe4OtaXyZgIdfLDXtf92D70nq7/
zgwCit01xAP3dNtwB+hvDqtk8I2wTbvoY9b5hpe08YVicUMuS+igZkH4RAlNvkXZwYjamBx2ohILlqIvJp3dEN
pN3FXUATcxdrC2lypihSH3qKGlLpMnYhztLZ9bQcK/vhn3kP7iBfHd3QGaTHxjnNSfnW7vvlACef6B8i4tpPbt
xBZZfqr9jnBPyCg1oc=",
      "pendingDelete": false
```


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```
    }
  ],
  "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 15 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
Category: App Management **Roles Description:** Manage App Licenses

HTTP method

GET

Request URI

msa/v2/vpp/apps/{catalogId}/vpplabels

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
catalogId	**Required** **Parameter Type:** Request body **Data Type:** Number Catalog ID of the app.	121

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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": [
```

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```
    {
      "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
}
```


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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 115 is not readily understandable, and the returned value for Android apps is always null.

Required Role

See "Authentication" on page 15 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*}

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Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
os	**Required** **Parameter Type:** Path **Data Type:** String The operating system for which to get minimumOsVersion information. Can be one of the following values: • android • ios	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, "Get app data by id" on page 115
totalCount	Total number of versions.
resultCount	Total number of versions retrieved.

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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
}
```


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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

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- 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

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- 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

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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

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- iOS-only
- Windows-Phone-only
- user-related, including LDAP.

Common Device Search Fields

Field name format:

```
"common.<field_name>"
```

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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		

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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	

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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 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 es-US	
location_last_captured_at	date	1383608236206	
location	geo_point	37.396003 -122.056255	
manufacturer	string	Apple	

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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) 17 8.0.10327.77 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	I	

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Field	Data Type	Sample Data	Description
processor_ architecture	string	ARM armeabi-v7a 5 Intel64 Family 6 Model 58 Stepping 9	
quarantined_ action	long		
quarantined_ reasons	array of strings	32768	
quarantined	boolean	32768	
registration_date	date	1390244908000	
registration_imsi	string	310260000000000	
registration_uuid	string	c36f759717140acf AB7C0056-C1BE-4096-B630-A54376DEDA4F	This is from the miclient, a randomly generated UUID to identify registration information for this miclient.
retired	boolean	f	
roaming	boolean	f	
security_state	string	Ok 1	Indicates whether a device has been rooted or jailbroken.
SerialNumber	string	DMQL3K0RF182	
status	string	a	
storage_capacity	long	6627926015.9999999463129088	
storage_free	long	5725888511.9999999463129088	

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Field	Data Type	Sample Data	Description
uuid	string	c5e6872e-3a4b-4fbd-bb2b-...	
wifi_mac_address	string	00:15:5D:9A:FC:6B A88808C9332C 40b0fac53dbd	

Android-Only Device Search Fields

Field name format:

```
"android.<field_name>"
```

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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	

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Field	Data Type	Sample Data	Description
os_update_status	string	OK	Indicates whether an OS update is available. Values include: Unavailable, Available, Unsupported. 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>"
```

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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	

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Field	Data Type	Sample Data	Description
iOSBackgroundStatus	string	0	A value the client returns, indicating its status. Possible values are: 0=Enabled, 1=Denied by User, 2=Disabled by Policy, 3=Device not supported, 4=OS not supported, 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	

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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=	

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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).

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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>"
```

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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.

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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	

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Field	Data Type	Sample Data	Description
wp_processor_type	long	0	
wp_signed_ent_dm_id	long	0	
wp_management_service_address	string		
wp_mpns_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:

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```
"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

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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

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Value
Android
iOS
OS X
Windows
Windows Phone

Values for the "platform_name" Device Search Field

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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

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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

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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

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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'.

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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

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Documentation resources

Product documentation is available on the Ivanti documentation website. You can access Ivanti EPMM documentation directly at this link.

To select a product document:

1. Navigate to the Ivanti documentation website.
2. Optionally, select a product category and language.
3. Enter a search term, or scroll down the product list.
4. Click the documentation link to open the document in a new window.

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Ivanti EPMM documentation

The following is a complete list of documentation for this product. However, the list of documents updated for specific versions will vary, depending on release requirements. Therefore, you might encounter documents from previous releases that still apply to the current release.

- *RN: Ivanti EPMM Release Notes and Upgrade Guide* — Contains the following release-specific information: new feature summary, support and compatibility, upgrade notes, known and resolved issues, and limitations.
- *OPIG: On-Premise Installation Guide for Ivanti EPMM and Enterprise Connector*— Contains information needed to install Ivanti EPMM on a VM or on an appliance. You will find pre-deployment tasks, steps to install and configure Ivanti EPMM and Enterprise Connector, and set up the VMware tool.
- *GSGC: Getting Started with Ivanti EPMM* — Contains information you need to get started with Ivanti EPMM. Contains an introduction to the Admin Portal, information about setting up users, devices, and basic policies, managing the dashboard, labels, and custom attributes, registering devices using the Mobile@Work. Mobile@Work does not have a separate product guide.
- *SYS: Ivanti EPMM System Manager Guide* — Everything you need to know about configuring Ivanti EPMM system settings, managing network settings, performing maintenance tasks including upgrading Ivanti EPMM, and troubleshooting issues using the Ivanti EPMM System Manager.
- *AAWG: Ivanti EPMM Apps@Work Guide* — The complete guide to installing, setting up, and managing apps for devices. Information about the Email+, Web@Work, and Docs@Work is covered in the respective app guides.
- *DAG: Ivanti EPMM Delegated Administration Guide* — The complete guide to configuring and maintaining delegated administration with Ivanti EPMM.
- *DMGA: Ivanti EPMM Device Management Guide for Android and Android Enterprise devices*, *DMGi: Ivanti EPMM Device Management Guide for Apple devices*, and *DMGwin: Ivanti EPMM Device Management Guide for Windows devices* — Everything you need to know about setting up and managing devices on Ivanti EPMM. Each volume is specific to a general device platform. Information about Sentry, Tunnel, ActiveSync, AppConnect, Access, and Zero Sign-on are covered in the related product guides.
- *HAMG: Ivanti EPMM High Availability Management Guide* — This document includes steps for setting up Ivanti EPMM High Availability as well as a description of common HA scenarios and troubleshooting tips.

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- *CLIR: Command Line Interface (CLI) Reference* — The command line interface (CLI) enables you to access certain Ivanti EPMM capabilities from the command line. The reference describes how to access the CLI, use the help, the various command modes, and the available commands.
- *V2API: Ivanti EPMM V2 API Guide* — API reference guide for the version 2 public APIs.
- *ARDMW: Ivanti EPMM V1 API Guide* — This reference guide provides development information for customers and partners intending to use Web Service APIs.
- *ENSCPSA: Ivanti Event Notification Service and Common Platform Services API Guide* — Describes how to use the Event Notification Service and Common Platform Services (CPS) API with Ivanti Neurons for MDM and Ivanti EPMM.
- *ServiceNow Integrator Update Set Guide* — Describes how to set up and use the ServiceNow Integrator Update Set.

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