

# Core V2 API Guide

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# What's new

Date	Description
May 12, 20121	Added the section, " <a href="#">JSESSIONID and CSRF_NONCE Required for Multipart Calls</a> " on page 29.
September 8, 2020	Added the call " <a href="#">Get list of labels for a specific device</a> " on page 431
August 31, 2020	<ul style="list-style-type: none"> <li>• Added the call "<a href="#">Get Embedded Identity Document (EID) details</a>" on page 323.</li> <li>• Added the call "<a href="#">Get MDM profile</a>" on page 372.</li> <li>• Removed these deprecated legacy calls from the API Guide:               <ul style="list-style-type: none"> <li>- Upload user-provided certificate - Legacy</li> <li>- Delete user-provided certificates - Legacy</li> <li>- Get list of user provided certificate enrollment ID information with associated certificate details - Legacy</li> <li>- Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy</li> </ul>               Use these replacement calls that MobileIron introduced in March 2020:               <ul style="list-style-type: none"> <li>- "<a href="#">Upload user-provided certificate</a>" on page 471.</li> <li>- "<a href="#">Get list of user provided certificate enrollment ID information with associated certificate details</a>" on page 476.</li> <li>- "<a href="#">Get list of all user provided certificate enrollment IDs' information with associated certificate details.</a>" on page 478.</li> <li>- "<a href="#">Delete user-provided certificates</a>" on page 474.</li> </ul> </li> </ul>
June 23, 2020	Added note to the call, " <a href="#">Create custom attribute definition</a> " on page 443, that you cannot create more than 300 custom attribute definitions.
April 13, 2020	<ul style="list-style-type: none"> <li>• Added note on how to get the value of the CEid parameter to the call, "<a href="#">Upload user-provided certificate</a>" on page 471.</li> <li>• Removed hyphenation from sample requests.</li> </ul>
March 10, 2020	Added the following calls: <ul style="list-style-type: none"> <li>• "<a href="#">Upload user-provided certificate</a>" on page 471.</li> <li>• "<a href="#">Get list of user provided certificate enrollment ID information with associated certificate details</a>" on page 476.</li> </ul>

Date	Description
	<ul style="list-style-type: none"> <li>• <a href="#">"Get list of all user provided certificate enrollment IDs' information with associated certificate details."</a> on page 478.</li> <li>• <a href="#">"Delete user-provided certificates"</a> on page 474.</li> </ul> <p>These calls are replacements for the calls listed below, which MobileIron will deprecate six months after March 10, 2020:</p> <ul style="list-style-type: none"> <li>• Upload user-provided certificate - Legacy</li> <li>• Delete user-provided certificates - Legacy</li> <li>• Get list of user provided certificate enrollment ID information with associated certificate details - Legacy</li> <li>• Get list of all user provided certificate enrollment IDs' information with associated certificate details - Legacy</li> </ul>
March 4, 2020	<p>Added:</p> <ul style="list-style-type: none"> <li>• The section, <a href="#">"GDPR Consideration"</a> on page 27, describing the impact of GDPR profiles on API call returns.</li> <li>• zebra_ota_capable as a valid Android search field in <a href="#">"Android-Only Device Search Fields"</a> on page 586.</li> </ul>
November 6, 2019	<p>Updated:</p> <ul style="list-style-type: none"> <li>• <a href="#">"Upload an in house app"</a> on page 183 for data type accuracy.</li> <li>• <a href="#">"Update app data"</a> on page 198 for parameter description accuracy, and to more fully explain the appData parameter.</li> <li>• <a href="#">"Apply App to Labels with Track"</a> on page 235 to change the <b>track</b> parameter to <b>trackId</b> and describe how to find the value for trackId; and to introduce the <b>mandatory</b> parameter.</li> <li>• <a href="#">"Get minimumOsVersion Information"</a> on page 571 to include the <b>android</b> option.</li> <li>• <a href="#">"Import a Google Play app"</a> on page 163, adding the following parameters: <ul style="list-style-type: none"> <li>- androidWorkManagedDeviceSilentInstall</li> </ul> </li> </ul>



Date	Description
	<ul style="list-style-type: none"> <li>- autoInstallMode</li> <li>- autoInstallPriority</li> <li>- networkTypeConstraint</li> <li>- chargingStateConstraint</li> <li>- deviceIdleStateConstraint</li> </ul> <p>Added:</p> <ul style="list-style-type: none"> <li>• <a href="#">"Get the Android for Work schema of an app" on page 240.</a></li> <li>• <a href="#">"Download an app definition file" on page 245.</a></li> <li>• <a href="#">"Get the Android for Work permissions of an app" on page 251.</a></li> <li>• <a href="#">"Get the Android for Work restrictions of an app" on page 253.</a></li> <li>• <a href="#">"Add a Google Play app" on page 255.</a></li> </ul>
July 17, 2019	<p>Added the following calls:</p> <ul style="list-style-type: none"> <li>• <a href="#">"Import a Google Play app" on page 163</a></li> <li>• <a href="#">"Open TeamViewer session" on page 360</a></li> <li>• <a href="#">"Check device compliance" on page 364</a></li> <li>• <a href="#">"Get device compliance and reason for non compliance" on page 368</a></li> </ul>
May 16, 2019	<ul style="list-style-type: none"> <li>• For the call, <a href="#">"Get app data by id" on page 113</a>, which returns obfuscated minimumOsVersion information for iOS apps, added the call, <a href="#">"Get minimumOsVersion Information" on page 571</a>, which provides readily understandable minimumOsVersion version information for iOS apps.</li> <li>• For the <a href="#">"Get information on all labels" on page 407</a>, added information about how to get a valid value for " <code>deviceUuids</code>" <a href="#">on page 418</a> using a version of the call, <a href="#">"Search for devices" on page 287</a>.</li> <li>• Added the rowType return field to the call, <a href="#">"Get information on all labels" on page 407</a>.</li> <li>• Added the call, <a href="#">"Apply App to Labels with Track" on page 235</a>.</li> </ul>

Date	Description
March 15, 2019	Added <a href="#">"Supported queries" on page 289</a> section to the <a href="#">"Search for devices" on page 287</a> call section.
March 14, 2019	Restored missing information to multiple tables.
September 14, 2018	<ul style="list-style-type: none"> <li>• Fixed typographical error in an example call.</li> <li>• Replaced the terms, "Volume Purchase Plan," and VPP" with "Apple Licenses."</li> <li>• Updated the <a href="#">"Download the CSV file" on page 270</a> call from a GET to a POST, and updated the parameters and response fields.</li> </ul>

# Introduction

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

## Prerequisites for using the V2 API

Using the Core V2 API requires:

- Core 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 Core 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 Core 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 Core obfuscates the specified fields in the GDPR profile that certain API calls return.

The calls include:

- ["Get admin user summary" on page 49](#)
- ["Search for devices" on page 287](#)

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 Core and then click **Admin**.

The screenshot shows the 'Admin' console interface. At the top, the navigation bar includes 'Dashboard', 'Devices & Users', 'Admin', 'Apps', 'Policies & Configs', 'Settings', and 'Logs & Events'. The 'Admin' tab is selected. Below the navigation bar, the 'Admins' and 'Device Spaces' tabs are visible. On the left, the 'Actions' menu is open, with 'Edit Roles' selected. The main content area displays the 'Edit Roles - miadmin' dialog box. The 'Admin Space' is set to 'Global'. Under 'Admin Roles', the 'Device Management' section is expanded, showing a list of roles with 'Add device' selected. The 'Selected Permissions' and 'Available Permissions' columns are visible, with 'Delete retired device' in the available list. A 'Save' button is highlighted at the bottom right.

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

## JSESSIONID and CSRF\_NONCE Required for Multipart Calls

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



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

---

### Obtaining the JSESSIONID

To obtain the JSESSIONID, run the following call:

```
curl -c cookies.txt -XPOST \  
'https://<core>/mifs/j_spring_security_check' \  
--header 'Origin: https://<core>' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--header 'Referer: https://<core>/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://<core>/mifs/admin/vsp.html' \  
--header 'Origin: https://<core>' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--header 'Referer: https://<core>/mifs/j_spring_security_check' \  
--header 'Cookie: JSESSIONID=SESSION_ID_FROM_REQUEST_1' \  
-d "j_username=USER_NAME&j_password=PASSWORD&spid=" | grep "csrf"
```

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

## Using the JSESSIONID and CSRF\_NONCE

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

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

```

## Sample Script to Generate JSESSIONID and CSRF\_NONCE

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

### Syntax:

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

### Script:

```
#!/bin/sh  
# Storing the command line arguments as variables  
HOST=${1:-<missing>}  
USERNAME=${2:-<missing>}  
PASSWORD=${3:-<missing>}  
echo "Host: $HOST"  
echo "Username: $USERNAME"  
echo "Executing commands..."  
echo  
# Executing the below curl command to generate the JSESSIONID  
JSESSIONID=$(curl -XPOST -i -s "$HOST/mifs/j_spring_security_check" --header "Origin: $HOST" -  
-header 'Content-Type: application/x-www-form-urlencoded' --header "Referer:  
$HOST/mifs/login.jsp" -d "j_username=$USERNAME&j_password=$PASSWORD&spid=" | grep "JSESSIONID"  
| awk -v FS="(=|;)" '{print $2}')
```

```
echo "JSESSIONID: $JSESSIONID"  
  
# Executing the below curl command to generate the CSRF NONCE using the JSESSIONID from the  
above command output  
CSRFNONCE=$(curl -XGET -s "$HOST/mifs/admin/vsp.html" --header "Origin: $HOST" --header  
'Content-Type: application/x-www-form-urlencoded' --header "Referer: $HOST/mifs/j_spring_  
security_check" --header "Cookie: JSESSIONID=$JSESSIONID" -d "j_username=$USERNAME&j_  
password=$PASSWORD&spid=" | grep "csrfNonce" | awk -v FS="(\\"|\")" '{print $2}')
```

```
echo "CSRFNONCE: $CSRFNONCE"  
echo  
echo "*** Script execution completed ***"  
echo
```

## Sample Output:

```
Host: https://<core>
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 Core, it would be "rest/api/v2/devices/search\_fields" in Connected Cloud.

## HTTP response status codes

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

Response code	Description
200	Success.
400	Request error.
401	Authentication failed. The request must contain a valid user ID and password for the target Core instance.
404	Page not found. Check the spelling of the URL.
405	Invalid HTTP method.
500	Internal server error. Core 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 309 requires that you send a **Content-Type** header as **application/json**.

The screenshot shows the Postman interface for an API call. The URL is `https://[mobileiron core]/api/v2/devices?adminDeviceSpaceId=1`. The Authorization is set to Basic with the token `bWlhZG1pbk8hdXRvMDAw`. The Content-Type header is set to `application/json`. The request body is in raw mode, with the JSON payload `{ "deviceUids" : [ "10c43352-15b2-413b-a3e0-4daf3977711a", "808AB98A-388E-4612-8579-43A40411670C" ] }`. The interface includes buttons for Send, Preview, Pre-request script, Tests, and Add to collection.

Header	Value
Content-Type	application/json

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

```
1 { "deviceUids" : [ "10c43352-15b2-413b-a3e0-4daf3977711a", "808AB98A-388E-4612-8579-43A40411670C" ] }
```



# 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Any admin role

## HTTP method

GET

## Request URI

api/v2/ping

## Request parameters

None.

## Response fields

Field	Description
results	Container for the results
apiVersion	Version of the API.
vspVersion	Version and build number of the Core.

# Sample request and response

## Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnATRtYW4xMQ==" https://  
[core]/api/v2/ping
```

## Response

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

# User Management

This chapter describes the V2 API calls you use to query and manipulate Core 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/authorized/users

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
query	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. Will search against first name, last name, and principal fields. The call returns all authorized users in the absence of this parameter.</p>	mia
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 200</p> <p><b>Default:</b> 200</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortOrder	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC

## Response 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://<core>/api/v2/authorized/users?adminDeviceSpaceId=1&query=mia'
```

### Response

```
{  
  "results": [  
    {  
      "ldapuser": false,  
      "localUser": true,  
      "passcodeInBytes": "",  
      "passwordHashSHA256": null,  
      "androidWorkEmailAddress": null,  
      "androidWorkUserId": null,  
      "lastLoginIp": "10.11.82.143",  
      "lastAdminPortalLoginTime": 1464205553139,  
      "samlPseudonymousIdentifier": null,  
      "forcePasswordChange": false,  
      "languageId": null,  
      "countryId": null,  
      "opaque": true,  
      "userSource": "L",
```

```
    "value": null,
    "enabled": true,
    "createdBy": null,
    "createdAt": 1464202042000,
    "email": "miadmin@mobileiron.com",
    "lastName": "",
    "firstName": "miadmin",
    "displayName": "miadmin",
    "devices": [ ],
    "roles": [
      "ROLE_MPW_REG",
      "ROLE_MPW_CHANGE_OWNERSHIP",
      "ROLE_USER_PORTAL_RW",
      "ROLE_MPW_LOCK",
      "ROLE_MPW_WIPE",
      "ROLE_MPW_LOCATE",
      "ROLE_MPW_RETIRE",
      "ROLE_MPW_UNLOCK"
    ],
    "deviceSpacePath": "/1/",
    "deviceSpaceId": 1,
    "principal": "miadmin",
    "id": 9001,
    "uuid": "2fc7d8e7-71e7-4216-a317-5a2879ae9cab"
  }
],
"hasMore": false,
"resultCount": 1,
"totalCount": 1
}
```



# Admin Management

# Find admin users

This call gets a list of all admin users in the system. You can use the call described in ["Assign admins to device space" on page 389](#) 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 49](#), 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/users

## Request parameters

Parameter	Description	Sample Value
query	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p>	bsmith
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 200</p> <p><b>Default:</b> 200</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortField	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 320 characters</p> <p>Name of the field to use for sorting.</p>	
sortOrder	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC

## Response 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 bWlhZG1pbjpwNaTRtYW4xMQ==" https://[core]/api/v2/admins/users?adminDeviceSpaceId=1
```

### Response

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

# Find Idap 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/ldap\_entities

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
query	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p>	<p>query=admin</p> <p>(This value instructs the call to search for ldap entities with the word "admin" in their name")</p>
type	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ALL</p> <p>Type of LDAP entity to search. May be OU, GROUP, or USER</p>	<p>type=user</p> <p>(This value instructs the call to search for LDAP users)</p>

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

## Response fields

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

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpwNaTRtYW4xMQ==" https://[core]/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 42](#), 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 27](#).

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/user\_summary

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000</p> <p><b>Default:</b> 10,000</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortField	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 320 characters</p> <p>Name of the field to use for sorting.</p>	
sortOrder	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC
query	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p>	<p>query=admin</p> <p>(This value instructs the call to search for admin entities with the word "admin" in their name")</p>

Parameter	Description	Sample Value
	Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.	
page	<b>Parameter Type:</b> Query <b>Data Type:</b> integer Instructs the API on which page of results to start returning results.	1
start	<b>Parameter Type:</b> Query <b>Data Type:</b> integer Instructs the API at which record on the specified page of results to start returning results.	0

## Response fields

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

## Sample request and response

### Request

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

### Response

```
{
  "results": [
    {
      "name": "miadmin",
```

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

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

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

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

# Get ldap entity summary

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/ldap\_entity\_summary



## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
query	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 20 characters</p> <p>Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p>	<p>query=admin</p> <p>(This value instructs the call to search for ldap entities with the word "admin" in their name")</p>
type	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Default:</b> ALL</p> <p>Type of LDAP entity to search. May be OU, GROUP, USER, or ALL.</p>	<p>type=user</p> <p>(This value instructs the call to search for LDAP users)</p>
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000</p> <p><b>Default:</b> 10,000</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p>	

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

## Response fields

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

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" https://[core]/api/v2/admins/ldap_entity_summary?type=USER&query=testuser00023&adminDeviceSpaceId=1
```

### Response

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

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

# Get 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 389, 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/roles

## Request parameters

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

## Response fields

results	Container for the results set, which is an array of all roles, including the following fields for each role: category, roleAndPermissions, roleId, roleDescription, defaultSpaceOnly, and permissions. The values for roleId are the ones you use for the roles parameter when making the call described in <a href="#">"Assign admins to device space" on page 389</a> .
totalCount	The total number of entries that the query matched.
resultCount	The number of entries that are being returned.
results	Container for the results set, which is an array of all LDAP entities retrieved, including each entity's id, name, dn, type, member count (germane for OUs and GROUPS), first name, last name, email, and roles.
totalCount	The total number of entries that the query matched.

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnATRtYW4xMQ==" https://[core]/api/v2/admins/roles?adminDeviceSpaceId=1
```

### Response

```
{
  "results": [
    {
      "category": "Device Management",
      "roleAndPermissions": [
        {
          "roleId": 2,
          "roleDescription": "View dashboard, device page, device details",
          "defaultSpaceOnly": false,
          "permissions": [
            "View dashboard",
            "View device",

```

```

        "View device details"
    ]
},
{
    "roleId": 4,
    "roleDescription": "Manage devices",
    "defaultSpaceOnly": false,
    "permissions": [
        "View dashboard",
        "View device",
        "Retire device",
        "Other device actions",
        "View device details",
        "Push profiles in device details",
        "Edit comments in device details"
    ]
},
{
    "roleId": 5,
    "roleDescription": "Manage devices, restricted",
    "defaultSpaceOnly": false,
    "permissions": [
        "View dashboard",
        "View device",
        "Other device actions",
        "View device details",
        "Edit comments in device details"
    ]
},
{
    "roleId": 7,
    "roleDescription": "Wipe device",
    "defaultSpaceOnly": false,
    "permissions": [

```

```

        "View dashboard",
        "View device",
        "Wipe device",
        "View device details"
    ]
},
{
    "roleId": 8,
    "roleDescription": "Add device",
    "defaultSpaceOnly": false,
    "permissions": [
        "View dashboard",
        "View device",
        "Add device",
        "View device details"
    ]
},
{
    "roleId": 9,
    "roleDescription": "Manage ActiveSync device",
    "defaultSpaceOnly": true,
    "permissions": [
        "View dashboard",
        "View device",
        "View device details",
        "View ActiveSync device",
        "Edit ActiveSync device"
    ]
},
{
    "roleId": 10,
    "roleDescription": "Manage AppTunnel",
    "defaultSpaceOnly": true,
    "permissions": [

```

```

        "AppTunnel"
    ]
},
{
    "roleId": 11,
    "roleDescription": "Manage device enrollment (iOS only)",
    "defaultSpaceOnly": true,
    "permissions": [
        "View dashboard",
        "View device",
        "View device details",
        "Device enrollment (iOS only)"
    ]
},
{
    "roleId": 12,
    "roleDescription": "Delete retired device (API only)",
    "defaultSpaceOnly": true,
    "permissions": [
        "View dashboard",
        "View device",
        "Delete retired device",
        "View device details"
    ]
}
]
},
{
    "category": "Privacy Control",
    "roleAndPermissions": [
        {
            "roleId": 3,
            "roleDescription": "View apps in device details",
            "defaultSpaceOnly": false,

```



```

    "permissions": [
      "View dashboard",
      "View device",
      "View device details",
      "View apps in device details"
    ]
  },
  {
    "roleId": 6,
    "roleDescription": "Locate device",
    "defaultSpaceOnly": false,
    "permissions": [
      "View dashboard",
      "View device",
      "Locate device",
      "View device details"
    ]
  }
]
},
{
  "category": "Label Management",
  "roleAndPermissions": [
    {
      "roleId": 13,
      "roleDescription": "View label",
      "defaultSpaceOnly": false,
      "permissions": [
        "View label"
      ]
    },
    {
      "roleId": 14,
      "roleDescription": "Manage label",

```

```

        "defaultSpaceOnly": false,
        "permissions": [
            "View device",
            "View device details",
            "View label",
            "Edit label"
        ]
    }
]
},
{
    "category": "User Management",
    "roleAndPermissions": [
        {
            "roleId": 15,
            "roleDescription": "View user",
            "defaultSpaceOnly": false,
            "permissions": [
                "View user"
            ]
        },
        {
            "roleId": 16,
            "roleDescription": "Manage user",
            "defaultSpaceOnly": false,
            "permissions": [
                "View user",
                "Edit user"
            ]
        }
    ]
},
{
    "category": "App Management",

```

```

"roleAndPermissions": [
  {
    "roleId": 17,
    "roleDescription": "Manage app",
    "defaultSpaceOnly": true,
    "permissions": [
      "Manage app",
      "View app, apply and remove application label"
    ]
  },
  {
    "roleId": 33,
    "roleDescription": "Apply and remove application label",
    "defaultSpaceOnly": false,
    "permissions": [
      "View app, apply and remove application label"
    ]
  }
],
{
  "category": "Configuration Management",
  "roleAndPermissions": [
    {
      "roleId": 18,
      "roleDescription": "View configuration",
      "defaultSpaceOnly": false,
      "permissions": [
        "View configuration"
      ]
    },
    {
      "roleId": 19,
      "roleDescription": "Manage configuration",

```

```

    "defaultSpaceOnly": true,
    "permissions": [
      "View configuration",
      "Edit configuration",
      "Apply and remove configuration label"
    ]
  },
  {
    "roleId": 20,
    "roleDescription": "Apply and remove configuration label",
    "defaultSpaceOnly": false,
    "permissions": [
      "View configuration",
      "Apply and remove configuration label"
    ]
  }
]
},
{
  "category": "Policy Management",
  "roleAndPermissions": [
    {
      "roleId": 21,
      "roleDescription": "View policy",
      "defaultSpaceOnly": false,
      "permissions": [
        "View policy"
      ]
    },
    {
      "roleId": 22,
      "roleDescription": "Manage policy",
      "defaultSpaceOnly": true,
      "permissions": [

```

```

        "View policy",
        "Edit policy",
        "Apply and remove policy label",
        "View and edit ActiveSync policy",
        "View and edit compliance action"
    ]
},
{
    "roleId": 23,
    "roleDescription": "Apply and remove policy label",
    "defaultSpaceOnly": false,
    "permissions": [
        "View policy",
        "Apply and remove policy label"
    ]
}
]
},
{
    "category": "Settings Management",
    "roleAndPermissions": [
        {
            "roleId": 24,
            "roleDescription": "View settings",
            "defaultSpaceOnly": true,
            "permissions": [
                "View settings"
            ]
        },
        {
            "roleId": 25,
            "roleDescription": "Manage settings",
            "defaultSpaceOnly": true,
            "permissions": [

```

```

        "View settings",
        "Edit settings"
    ]
}
]
},
{
    "category": "Logs and Events Management",
    "roleAndPermissions": [
        {
            "roleId": 26,
            "roleDescription": "View logs and events",
            "defaultSpaceOnly": true,
            "permissions": [
                "View logs and events"
            ]
        },
        {
            "roleId": 27,
            "roleDescription": "Manage logs and events",
            "defaultSpaceOnly": true,
            "permissions": [
                "View logs and events",
                "Edit logs and events"
            ]
        }
    ]
},
{
    "category": "Admin Management",
    "roleAndPermissions": [
        {
            "roleId": 1,
            "roleDescription": "Manage administrators and device spaces",

```

```

        "defaultSpaceOnly": true,
        "permissions": [
            "Manage administrators and device spaces"
        ]
    }
]
},
{
    "category": "Content Management",
    "roleAndPermissions": [
        {
            "roleId": 34,
            "roleDescription": "Manage Content",
            "defaultSpaceOnly": true,
            "permissions": [
                "Manage Content",
                "View content; apply and remove content labels"
            ]
        },
        {
            "roleId": 35,
            "roleDescription": "View content; apply and remove content labels",
            "defaultSpaceOnly": false,
            "permissions": [
                "View content; apply and remove content labels"
            ]
        }
    ]
},
{
    "category": "Others",
    "roleAndPermissions": [
        {
            "roleId": 28,

```

```
"roleDescription": "Connector",
"defaultSpaceOnly": true,
"permissions": [
  "Connector"
]
},
{
  "roleId": 29,
  "roleDescription": "API",
  "defaultSpaceOnly": true,
  "permissions": [
    "Access V1 API"
  ]
},
{
  "roleId": 30,
  "roleDescription": "Mobile App",
  "defaultSpaceOnly": true,
  "permissions": [
    "Mobile App Access"
  ]
},
{
  "roleId": 31,
  "roleDescription": "Enforce single session (all spaces)",
  "defaultSpaceOnly": false,
  "permissions": [
    "Enforce single session"
  ]
},
{
  "roleId": 32,
  "roleDescription": "Perform system operations functions",
  "defaultSpaceOnly": true,
```



```
    "permissions": [  
      "View search index settings and state",  
      "Rebuild search index"  
    ]  
  }  
]  
}  
],  
"totalCount": 12,  
"resultCount": 12  
}
```

# **Admin Actions Management**

# Get Action Types

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/admins/{source}/actions

## Request parameters

Parameter	Description	Sample Values
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
source	<p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> String</p> <p>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.</p> <p>Sending a blank value for the source parameter returns all the categories and its action types.</p> <p>Sending <b>deviceDetails</b>, which means the source is Device Details Page, removes all the User related actions in the Certificate category, and returns all categories and action types as is.</p>	<p>api/v2/admins/<b>deviceDetails</b>/actions</p> <p>or</p> <p>api/v2/admins/actions</p>

## Response fields

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

# Sample request and response

## Request

Get all the categories and their action types

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

## Response

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

```
[  
  {  
    "category": "MDM",  
    "actions": [  
      {  
        "id": 71,  
        "name": "INSTALL_MDM_PROFILE",  
        "category": "MDM",  
        "displayName": "Install MDM Profile"  
      },  
      {  
        "id": 72,  
        "name": "REMOVE_MDM_PROFILE",  
        "category": "MDM",  
        "displayName": "Remove MDM Profile"  
      },  
      {  
        "id": 73,  
        "name": "INSTALL_ENCRYPTED_SUBPROFILE",  
        "category": "MDM",  
        "displayName": "Install Encrypted Sub-Profile"  
      },  
      {
```

```
"id": 74,
"name": "REMOVE_ENCRYPTED_SUBPROFILE",
"category": "MDM",
"displayName": "Remove Encrypted Sub-Profile"
},
{
  "id": 75,
  "name": "INSTALL_PROV_PROFILE",
  "category": "MDM",
  "displayName": "Install Provisioning Profile"
},
{
  "id": 76,
  "name": "REMOVE_PROV_PROFILE",
  "category": "MDM",
  "displayName": "Remove Provisioning Profile"
},
{
  "id": 77,
  "name": "DEVICE_LOCK",
  "category": "MDM",
  "displayName": "Device Lock"
},
{
  "id": 78,
  "name": "CLEAR_PASSCODE",
  "category": "MDM",
  "displayName": "Clear Passcode"
},
{
  "id": 79,
  "name": "WIPE_DEVICE",
  "category": "MDM",
  "displayName": "Wipe Device"
}
```

```
    },
    {
      "id": 80,
      "name": "INSTALL_MANAGED_APP",
      "category": "MDM",
      "displayName": "Install Managed Application"
    },
    {
      "id": 81,
      "name": "REMOVE_MANAGED_APP",
      "category": "MDM",
      "displayName": "Remove Managed Application"
    },
    {
      "id": 82,
      "name": "APPLY_REDEMPTION_CODE",
      "category": "MDM",
      "displayName": "Apply Redemption Code"
    },
    {
      "id": 83,
      "name": "SETTINGS",
      "category": "MDM",
      "displayName": "Settings"
    }
  ]
}
]
```

# App Inventory Management



# Get list of installed apps

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appinventory/apps

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
limit	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	<b>Parameter Type:</b> Query	

Parameter	Description	Sample Value
	<p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
platformType	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Char</p> <p>Specifies from which platform to return installed apps. Default to return apps from all platforms.</p> <p><b>Valid values:</b> I, A, M, E, Q</p> <ul style="list-style-type: none"> <li>• I = iOS</li> <li>• A = Android</li> <li>• M = Windows Phone</li> <li>• E = Windows 10 and Windows 8.1</li> <li>• Q = Web Application</li> </ul>	A
query	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies a search string for which to search in the app's name. For example, searching for "weather" would return the "AccuWeather" app.</p>	weather

Parameter	Description	Sample Value
sortField	<b>Parameter Type:</b> Query <b>Data Type:</b> String <b>Min:</b> 1 character <b>Max:</b> 320 characters Name of the field to use for sorting.	
sortOrder	<b>Parameter Type:</b> Query <b>Data Type:</b> String <b>Default:</b> ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC
summaryView	<b>Parameter Type:</b> Query <b>Data Type:</b> Boolean <b>Default:</b> 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://<core>/api/v2/appinventory/apps?adminDeviceSpaceId=1&limit=2&query=casino&offset=0'
```

## Response

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

# Get installed app details of a device

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/devices/appinventory

## Request parameters

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

## Response fields

Field	Description
messages	Messages section
type	Message type
messageKey	Message key
localizedMessage	Localized message with parameters resolved
results	Array of device details follow
deviceUuid	Details for this device uuid
appInventory	List of device apps follows
name	Name of app installed on the device
identifier	App identifier

Field	Description
version	App version
platformType	App platform type
status	App status
vpnName	App vpn name
configurations	List of app connect configurations follow
typeId	Configuration type id
clientId	Device client id
appId	App identifier
modifiedAt	Timestamp of record modification
appUuid	App uuid
agentUuid	Agent uuid
coreUuid	Core uuid
name	App connect name
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://<core>/api/v2/devices/appinventory?adminDeviceSpaceId=1&deviceUids=e2431389-d5db-48b5-aa12-dff52746a5a5' -H 'Authorization: Basic bWlhZG1pbjNaTRtYW4xMQ=='
```

### Response

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

```
{
  "deviceUuid": "70e3fc6b-ee97-410d-a712-3bdbf8f004dd",
  "appInventory": [
    {
      "name": "AllShare Cast Dongle S/W Update",
      "identifier": "com.sec.android.fwupgrade",
      "version": "1.2.3717",
      "platformType": "A",
      "status": null,
      "vpnName": null,
      "configurations": null
    },
    {
      "name": "Android for Work App",
      "identifier": "com.google.android.apps.work.core",
      "version": "2.0.1",
      "platformType": "A",
      "status": null,
      "vpnName": null,
      "configurations": null
    },
    {
      "name": "ANT Radio Service",
      "identifier": "com.dsi.ant.service.socket",
      "version": "4.14.0",
      "platformType": "A",
      "status": null,
      "vpnName": null,
      "configurations": null
    },
    {
      "name": "ANT+ Plugins Service",
      "identifier": "com.dsi.ant.plugins.antplus",
      "version": "3.6.0",
```



```
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Appium Settings",
  "identifier": "io.appium.settings",
  "version": "1.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "AT&T Navigator",
  "identifier": "com.telenav.app.android.cingular",
  "version": "5.7.5.1.8421421",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "AT&T Protect Plus",
  "identifier": "com.asurion.android.mobilerecovery.att",
  "version": "8.76.4",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Beaming Service",
```

```
"identifier": "com.mobeam.barcodeService",
"version": "1.3.2 ",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Box",
  "identifier": "com.box.android",
  "version": "3.7.5",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "C646963",
  "identifier": "com.testpackage.c646963",
  "version": "1.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "C919229",
  "identifier": "com.testpackage.c919229",
  "version": "2.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
```

```
{
  "name": "Chrome",
  "identifier": "com.android.chrome",
  "version": "50.0.2661.89",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Drive",
  "identifier": "com.google.android.apps.docs",
  "version": "2.4.141.16.35",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Flipboard",
  "identifier": "flipboard.app",
  "version": "3.4.2",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Galaxy Apps",
  "identifier": "com.sec.android.app.samsungapps",
  "version": "4.1.04-9",
  "platformType": "A",
  "status": null,
  "vpnName": null,

```

```
"configurations": null
},
{
  "name": "Google Play Books",
  "identifier": "com.google.android.apps.books",
  "version": "3.8.15",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Games",
  "identifier": "com.google.android.play.games",
  "version": "3.7.23 (2867637-038)",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Movies & TV",
  "identifier": "com.google.android.videos",
  "version": "3.13.10",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Music",
  "identifier": "com.google.android.music",
  "version": "6.7.2713Z.2790541",
  "platformType": "A",
```

```
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Google Play services",
  "identifier": "com.google.android.gms",
  "version": "9.2.56 (038-124593566)",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Play Store",
  "identifier": "com.android.vending",
  "version": "6.7.13.E-all [0] 2920566",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google Text-to-speech Engine",
  "identifier": "com.google.android.tts",
  "version": "3.8.16",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Google+",
  "identifier": "com.google.android.apps.plus",
```

```
"version": "7.7.0.120011031",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Hangouts",
  "identifier": "com.google.android.talk",
  "version": "8.0.116581895",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "HP Print Service Plugin",
  "identifier": "com.hp.android.printservice",
  "version": "2.8-1.5.0-10e-16.1.16-71",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Keeper",
  "identifier": "com.callpod.android_apps.keeper",
  "version": "10.0.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
```

```
"name": "Lookout",
"identifier": "com.lookout",
"version": "9.39.1-f7e5585",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Maps",
  "identifier": "com.google.android.apps.maps",
  "version": "9.23.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Mobile TV",
  "identifier": "com.mobitv.client.tv",
  "version": "6.0.main.84-3e70d92",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "MobileIron",
  "identifier": "com.mobileiron",
  "version": "9.0.1.0.68D",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
}
```

```
},
{
  "name": "Peel Smart Remote",
  "identifier": "tv.peel.smartremote",
  "version": "8.8.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Pulse Secure",
  "identifier": "net.pulsesecure.pulsesecure",
  "version": "5.2.3.65383",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "S Health",
  "identifier": "com.sec.android.app.shealth",
  "version": "4.7.2.0003",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "Samsung Link Platform",
  "identifier": "com.samsung.android.sdk.samsunglink",
  "version": "2.0.2",
  "platformType": "A",
  "status": null,
```



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

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

```
"identifier": "io.appium.unlock",
"version": "1.0",
"platformType": "A",
"status": null,
"vpnName": null,
"configurations": null
},
{
  "name": "Vysor",
  "identifier": "com.koushikdutta.vysor",
  "version": "1.0.0.0",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "YouTube",
  "identifier": "com.google.android.youtube",
  "version": "11.13.56",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
},
{
  "name": "YP",
  "identifier": "com.yellowpages.android.ypmobile",
  "version": "5.8.1",
  "platformType": "A",
  "status": null,
  "vpnName": null,
  "configurations": null
}
}
```

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

# Get devices that have a specific app installed

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appinventory/devices

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
inventoryId	<p>Required: One of inventoryId, appName ,or AppId is mandatory.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Integer</p> <p>Use /appinventory/apps?summaryView=false to get InventoryID.</p>	14
appName	<p>Required: One of inventoryId, appName ,or AppId is mandatory.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>The name of the app.</p>	Hangouts
appId	<p>Required: One of inventoryId, appName ,or AppId is mandatory.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Bundle ID of the app.</p>	com.google.hangouts
platformType	<p>Required;</p> <ul style="list-style-type: none"> <li>• Yes when appName or appId is used.</li> <li>• No when inventoryId is used.</li> </ul> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies from which platform to return installed apps. Default to return apps from all platforms.</p> <p><b>Valid values:</b> I, A, M, E, Q</p> <ul style="list-style-type: none"> <li>• I = iOS</li> <li>• A = Android</li> </ul>	A

Parameter	Description	Sample Value
	<ul style="list-style-type: none"> <li>• M = Windows Phone</li> <li>• E = Windows 10 and Windows 8.1</li> <li>• Q = Web Application</li> </ul>	
appDisplayVersion	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Specifies the version of the app.</p>	5.1.20393
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortField	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>Valid Values:</p> <ul style="list-style-type: none"> <li>• <b>phonenumber</b> (device current phone number)</li> <li>• <b>username</b> (device user principal)</li> <li>• <b>platform</b> (device platform)</li> <li>• <b>version</b> (app inventory version)</li> </ul>	phonenumber
sortOrder	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC

## Response 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://<core>/api/v2/appinventory/devices?adminDeviceSpaceId=1&inventoryId=14&sortField=username&sortOrder=ASC&page=1&offset=0&limit=50'
```

### Response

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



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

# App Store Management

# Get a list of all available apps

This call gets a list of all available apps.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appstore/apps

## Request parameters

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

## Response fields

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

Field	Description
tokensPurchased	
tokensRemaining	
vpplLicensesPurchased	
vpplLicensesUsed	
size	
author	
webAppUri	
format	
applconUrl	
permissionUpdateAvailable	
afw	
appBgColor	
hidden	
profileExpirationDate	
categories	
recommendedApp	

## Sample request and responses

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" "https://<core>/api/v2/appstore/apps?adminDeviceSpaceId=1"
```

### Response

```
{
  "totalCount": 15,
  "resultCount": 15,
  "hasMore": false,
  "results": [
```

```
{
  "name": "Accellion",
  "id": 108,
  "version": null,
  "description": null,
  "installName": null,
  "platformId": null,
  "platforms": null,
  "createdAt": 1478044321000,
  "installerFileName": null,
  "source": "Public",
  "pushedCount": 0,
  "installedCount": 0,
  "pendingCount": 0,
  "installState": "",
  "rowType": null,
  "bundleID": "com.accellion.AccellioniPhone",
  "appSortOrder": null,
  "platformType": "I",
  "pushLabels": null,
  "publishLabels": [ ],
  "vppLabels": [ ],
  "tokensPurchased": 0,
  "tokensRemaining": 0,
  "vppLicensesPurchased": 0,
  "vppLicensesUsed": 0,
  "size": 53989376,
  "author": "Accellion, Inc.",
  "webAppUri": null,
  "format": null,
  "appIconUrl": "/mifs/admin/rest/api/v2/appstore/apps/108/images/4f393e17-4b8b-445d-b6a0-fbb17cac087b",
  "permissionUpdateAvailable": false,
  "afw": false,
}
```

```
"appBgColor": null,
"hidden": false,
"profileExpirationDate": null,
"categories": [ ],
"recommendedApp": true
},
{
  "name": "Acronis Access",
  "id": 115,
  "version": null,
  "description": null,
  "installName": null,
  "platformId": null,
  "platforms": null,
  "createdAt": 1478044338000,
  "installerFileName": null,
  "source": "Public",
  "pushedCount": 0,
  "installedCount": 0,
  "pendingCount": 0,
  "installState": "",
  "rowType": null,
  "bundleID": "com.grouplogic.mobilecho",
  "appSortOrder": null,
  "platformType": "I",
  "pushLabels": null,
  "publishLabels": [ ],
  "vppLabels": [ ],
  "tokensPurchased": 0,
  "tokensRemaining": 0,
  "vppLicensesPurchased": 0,
  "vppLicensesUsed": 0,
  "size": 138735616,
  "author": "Group Logic, Inc.",
```

```
    "webAppUri": null,  
    "format": null,  
    "appIconUrl": "/mifs/admin/rest/api/v2/appstore/apps/115/images/2e71acf0-2f36-  
4553-8e9c-4640e88a5191",  
    "permissionUpdateAvailable": false,  
    "afw": false,  
    "appBgColor": null,  
    "hidden": false,  
    "profileExpirationDate": null,  
    "categories": [ ],  
    "recommendedApp": true  
  },  
  ...  
]  
}
```



# Get app data by id

This call gets app data by app id.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

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

## iOS Response fields

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

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

Field	Description
cdnDisabled	
deviceSpaceId	
spaces	
id	
name	
parentId	
path	
newApp	
minimumOsVersion	This call returns a cryptic value for minimumOsVersion. Please see the call " <a href="#">Get minimumOsVersion Information</a> " on page 571 to decode the minimumOsVersion value returned by this call.
apnsCertificate	
ipadOnly	
noCostApp	
provisioningProfile	
messagingSupported	
allowUpdateFromUnmanagedToManaged	
enforceUpdateFromUnmanagedToManaged	
profileExpirationDate	
removeAppWhenMDMDisabled	
pushedOnQuarantine	
codeVersion	
autoUpdateEnabled	
manualUpdateEnabled	
appStoreDetailUrl	

Field	Description
vpnNames	
preferPlistAppConfig	
oneTouchAppConfigs	
updatedSpecAvailable	
messages	
type	
messageKey	
localizedMessage	

## Android Response fields

Field	Description
results	
id	
name	
platformType	
platformCode	
version	
altVersion	
displayVersion	
appld	
creatorType	
catalogType	
publicAppStoreType	

Field	Description
publicStoreId	
developerName	
description	
updateNotes	
cost	
currency	
averageRating	
ratingCount	
installSize	
createdAt	
modifiedAt	
vpnIds	
iconFile	
fileName	
uuid	
url	
installer	
phoneScreenshots	
fileName	
uuid	
url	
tabletScreenshots	
categories	

Field	Description
featuredApp	
featuredBanner	
bannerDescription	
bannerStyle	
hiddenInAppstore	
perAppVpnByLabelOnly	
dataProtectionRequired	
overrideURL	
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
deviceSpaceId	
spaces	
id	
name	
parentId	
path	
newApp	
minimumOsVersion	
androidWork	
androidWorkSilentInstall	

Field	Description
androidWorkBlockUninstall	
blockWidget	
autoUpdate	
permissionUpdateAvailable	
enterpriseConfigs	
name	
restrictions	
title	
key	
value	
type	
values	
displayValue	
permissions	
id	
name	
description	
value	
displayValue	
permissionId	
labels	
id	
name	



Field	Description
name	
restrictions	
permissions	
id	
name	
description	
value	
displayValue	
permissionId	
labels	
id	
name	
name	
restrictions	
permissions	
id	
name	
description	
value	
displayValue	
permissionId	
labels	
versionRequired	

Field	Description
codeVersion	
mandatory	
mandatoryOverwrite	
secureApp	
enforceVersion	
vpnNames	
messages	
type	
messageKey	
localizedMessage	

## Sample request and responses

### iOS Request

```
curl -X GET \
  'https://<core>/api/v2/appstore/apps/119?adminDeviceSpaceId=1' \
```

### iOS Response

```
{
  "results": {
    "id": 119,
    "name": "Words With Friends - Word Game",
    "platformType": "IPhone",
    "platformCode": "I",
    "version": null,
    "altVersion": "",
    "displayVersion": null,
    "appId": "com.newtoyinc.NewWordsWithFriendsFree",
    "creatorType": "ADMIN",
```

```

"catalogType": "APP",

"publicAppStoreType": "ITUNES",

"publicStoreId": "804379658",

"developerName": "Zynga Inc.",

"description": "The World's Most Popular Mobile Word Game now has even more ways
to play! Try new rewards and boosts to help you play smarter and faster!\n\nWords With
Friends is the fun, free word game that lets you connect with friends and family while
expanding your vocabulary and sharpening your wit. Test your brain power and spell
your way to victory. \n\nMay the Best Friend Win.™ \n\nGame Features: \n\n•\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\n\nhttps://twitter.com/WordsWFriends
\n\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:\n\nThe game is free to play; however, in-app
purchases are available for additional content and in-game currency. In-app purchases
range from $0.99 to $99.99 USD.",

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

"cost": 0,

"currency": "USD",

"averageRating": 4.5,

"ratingCount": 237475,

"installSize": 269412352,

"createdAt": 1558033456000,

"modifiedAt": 1558033473000,

"vpnIds": [],

"iconFile": {

  "fileName": "logo.png",

  "uuid": "fef256c0-55bb-4fab-8b73-6790db3cbdce",

  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=fef2
56c0-55bb-4fab-8b73-6790db3cbdce&ext=PNG"

},

"installer": null,

```

```

"phoneScreenshots": [
  {
    "fileName": "screen-shot-0.png",
    "uuid": "485f75da-fd29-402e-b906-099ba3207a11",
    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=485f75da-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=cbdfd6da-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=041018d2-88a3-4d8b-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=ac6cf248-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=bb07b4cf-456f-42fd-94a0-f6a5b419a2d1&ext=PNG"
  },
  {
    "fileName": "screen-shot-5.png",

```

```

        "uuid": "36609455-8a1b-4748-9b9f-bbaece68d559",
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=119&uuid=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",

```

```
    "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,
```

```

"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  }
],
"newApp": true,
"minimumOsVersion": "11000000",
"apnsCertificate": null,
"ipadOnly": false,
"noCostApp": true,
"provisioningProfile": null,
"messagingSupported": false,
"allowUpdateFromUnmanagedToManaged": false,
"enforceUpdateFromUnmanagedToManaged": false,
"profileExpirationDate": null,
"removeAppWhenMDMDisabled": true,
"pushedOnQuarantine": false,
"codeVersion": "",
"autoUpdateEnabled": false,
"manualUpdateEnabled": false,
"appStoreDetailUrl":
"https://app642.auto.mobileiron.com/mifs/asfv3x/appstore?appid=119",
"vpnNames": null,
"preferPlistAppConfig": false,
"oneTouchAppConfigs": [],
"updatedSpecAvailable": false
},

```

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

## Android request

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

## Android response

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



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

"updateNotes": "• Bug Fixes<br>Become a beta tester: <http://goo.gl/vLUcaJ>",

"cost": 0,

"currency": null,

"averageRating": null,

"ratingCount": null,

"installSize": 0,

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"modifiedAt": 1495663372000,

"vpnIds": [ ],

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  "uuid": "ce7260f6-086a-4b73-b422-f7e17aa2479d",

  "url":

"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=ce7260f6-086a-4b73-b422-f7e17aa2479d&ext=PNG"

},

"installer": null,

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```

    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=fd4f
42e9-5fdb-4a9e-a5c3-ce71c69d7a49&ext=PNG"
  },
  {
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    "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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      "url":
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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",

```

```
    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=124&uuid=98a4
e274-85a0-40c3-9675-589d8bc8c34f&ext=PNG"
  }
],
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"categories": [ ],
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"featuredBanner": false,
"bannerDescription": null,
"bannerStyle": null,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": null,
"quarantinable": false,
"pushedOnRegistration": false,
"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
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"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  }
],
"newApp": true,
"minimumOsVersion": null,
"androidWork": true,
"androidWorkSilentInstall": true,
"androidWorkBlockUninstall": false,
"blockWidget": false,
```

```

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

```

```

    "value": 1,
    "displayValue": "Use Default",
    "permissionId": "android.permission.CALL_PHONE"
  },
  {
    "id": 120,
    "name": "find accounts on the device",
    "description": "Allows the app to get the list of accounts known by the
device. This may include any accounts created by applications you have installed.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.GET_ACCOUNTS"
  },
  {
    "id": 121,
    "name": "modify or delete the contents of your USB storage",
    "description": "Allows the app to write to the USB storage.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE"
  },
  {
    "id": 122,
    "name": "precise location (GPS and network-based)",
    "description": "Allows the app to get your precise location using the
Global Positioning System (GPS) or network location sources such as cell towers and
Wi-Fi. These location services must be turned on and available to your device for the
app to use them. Apps may use this to determine where you are, and may consume
additional battery power.",
    "value": 1,
    "displayValue": "Use Default",
    "permissionId": "android.permission.ACCESS_FINE_LOCATION"
  },
  {
    "id": 123,
    "name": "approximate location (network-based)",

```

"description": "Allows the app to get your approximate location. This location is derived by location services using network location sources such as cell towers and Wi-Fi. These location services must be turned on and available to your device for the app to use them. Apps may use this to determine approximately where you are.",

"value": 1,

"displayValue": "Use Default",

"permissionId": "android.permission.ACCESS\_COARSE\_LOCATION"

},

{

"id": 124,

"name": "modify your contacts",

"description": "Allows the app to modify the data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific contacts. This permission allows apps to delete contact data.",

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.WRITE\_CONTACTS"

},

{

"id": 125,

"name": "write call log",

"description": "Allows the app to modify your device's call log, including data about incoming and outgoing calls. Malicious apps may use this to erase or modify your call log.",

"value": 0,

"displayValue": "User Prompt",

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

},

{

"id": 126,

"name": "record audio",

"description": "Allows the app to record audio with the microphone. This permission allows the app to record audio at any time without your confirmation.",

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.RECORD\_AUDIO"

```

    },
    {
      "id": 127,
      "name": "read call log",
      "description": "Allows the app to read your device's call log, including
data about incoming and outgoing calls. This permission allows apps to save your call
log data, and malicious apps may share call log data without your knowledge.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.READ_CALL_LOG"
    },
    {
      "id": 128,
      "name": "read the contents of your USB storage",
      "description": "Allows the app to read the contents of your USB storage.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.READ_EXTERNAL_STORAGE"
    },
    {
      "id": 129,
      "name": "read phone status and identity",
      "description": "Allows the app to access the phone features of the device.
This permission allows the app to determine the phone number and device IDs, whether a
call is active, and the remote number connected by a call.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.READ_PHONE_STATE"
    }
  ],
  "labels": [
    {
      "id": -10,
      "name": "Android"
    },
  ],
  {

```



```

        "id": -6,
        "name": "Company-Owned"
    }
]
},
{
    "name": "GM1",
    "restrictions": [ ],
    "permissions": [
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            "id": 118,
            "name": "read your contacts",
            "description": "Allows the app to read data about your contacts stored on
your device, including the frequency with which you've called, emailed, or
communicated in other ways with specific individuals. This permission allows apps to
save your contact data, and malicious apps may share contact data without your
knowledge.",
            "value": 0,
            "displayValue": "Accept",
            "permissionId": "android.permission.READ_CONTACTS"
        },
        {
            "id": 119,
            "name": "directly call phone numbers",
            "description": "Allows the app to call phone numbers without your
intervention. This may result in unexpected charges or calls. Note that this doesn't
allow the app to call emergency numbers. Malicious apps may cost you money by making
calls without your confirmation.",
            "value": 0,
            "displayValue": "User Prompt",
            "permissionId": "android.permission.CALL_PHONE"
        },
        {
            "id": 120,
            "name": "find accounts on the device",
            "description": "Allows the app to get the list of accounts known by the
device. This may include any accounts created by applications you have installed.",

```

```

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

```

```

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

```

```

    "permissionId": "android.permission.READ_CALL_LOG"
  },
  {
    "id": 128,
    "name": "read the contents of your USB storage",
    "description": "Allows the app to read the contents of your USB storage.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.READ_EXTERNAL_STORAGE"
  },
  {
    "id": 129,
    "name": "read phone status and identity",
    "description": "Allows the app to access the phone features of the device.
This permission allows the app to determine the phone number and device IDs, whether a
call is active, and the remote number connected by a call.",
    "value": 0,
    "displayValue": "User Prompt",
    "permissionId": "android.permission.READ_PHONE_STATE"
  }
],
"labels": [
  {
    "id": -10,
    "name": "Android"
  }
]
},
{
  "name": "DEFAULT_CONFIG",
  "restrictions": [ ],
  "permissions": [
    {
      "id": 118,
      "name": "read your contacts",

```

"description": "Allows the app to read data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific individuals. This permission allows apps to save your contact data, and malicious apps may share contact data without your knowledge.",

"value": 0,

"displayValue": "Deny",

"permissionId": "android.permission.READ\_CONTACTS"

},

{

"id": 119,

"name": "directly call phone numbers",

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

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.CALL\_PHONE"

},

{

"id": 120,

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

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

"value": 0,

"displayValue": "User Prompt",

"permissionId": "android.permission.GET\_ACCOUNTS"

},

{

"id": 121,

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

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

"value": 0,

"displayValue": "Accept",

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

},

```

    {
      "id": 122,
      "name": "precise location (GPS and network-based)",
      "description": "Allows the app to get your precise location using the
Global Positioning System (GPS) or network location sources such as cell towers and
Wi-Fi. These location services must be turned on and available to your device for the
app to use them. Apps may use this to determine where you are, and may consume
additional battery power.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.ACCESS_FINE_LOCATION"
    },
    {
      "id": 123,
      "name": "approximate location (network-based)",
      "description": "Allows the app to get your approximate location. This
location is derived by location services using network location sources such as cell
towers and Wi-Fi. These location services must be turned on and available to your
device for the app to use them. Apps may use this to determine approximately where you
are.",
      "value": 0,
      "displayValue": "Accept",
      "permissionId": "android.permission.ACCESS_COARSE_LOCATION"
    },
    {
      "id": 124,
      "name": "modify your contacts",
      "description": "Allows the app to modify the data about your contacts
stored on your device, including the frequency with which you've called, emailed, or
communicated in other ways with specific contacts. This permission allows apps to
delete contact data.",
      "value": 0,
      "displayValue": "User Prompt",
      "permissionId": "android.permission.WRITE_CONTACTS"
    },
    {
      "id": 125,
      "name": "write call log",

```

```

        "description": "Allows the app to modify your device's call log, including
data about incoming and outgoing calls. Malicious apps may use this to erase or modify
your call log.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.WRITE_CALL_LOG"
    },
    {
        "id": 126,
        "name": "record audio",
        "description": "Allows the app to record audio with the microphone. This
permission allows the app to record audio at any time without your confirmation.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.RECORD_AUDIO"
    },
    {
        "id": 127,
        "name": "read call log",
        "description": "Allows the app to read your device's call log, including
data about incoming and outgoing calls. This permission allows apps to save your call
log data, and malicious apps may share call log data without your knowledge.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_CALL_LOG"
    },
    {
        "id": 128,
        "name": "read the contents of your USB storage",
        "description": "Allows the app to read the contents of your USB storage.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_EXTERNAL_STORAGE"
    },
    {
        "id": 129,

```

```

        "name": "read phone status and identity",
        "description": "Allows the app to access the phone features of the device.
This permission allows the app to determine the phone number and device IDs, whether a
call is active, and the remote number connected by a call.",
        "value": 0,
        "displayValue": "User Prompt",
        "permissionId": "android.permission.READ_PHONE_STATE"
    }
],
    "labels": [ ]
}
],
"versionRequired": false,
"codeVersion": "",
"mandatory": false,
"mandatoryOverwrite": true,
"secureApp": false,
"enforceVersion": false,
"vpnNames": null
},
"messages": [
    {
        "type": "Info",
        "messageKey": "com.mobileiron.vsp.messages.appstore.get.app.success",
        "localizedMessage": "App successfully fetched."
    }
]
}

```



# Search Apple iTunes App Store by name/description

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/appstore/itunes

## Request parameters

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

## Response fields

Field	Description
messageKey	Message key for the localized message bundle.
messageParameters	Parameters for the localized message.
localizedMessageWithParameters	Localized message with parameters unresolved.
localizedMessage	localized message with parameters resolved.
result	An array of retrieved objects shown in the following rows.
artistId	
artistName	
artistViewUrl	

Field	Description
artworkUrl60	
artworkUrl100	
artworkUrl512	
averageUserRating	
averageUserRatingForCurrentVersion	
contentAdvisoryRating	
currency	
description	
features	
fileSizeBytes	
genres	
genreIds	
ipadScreenshotUrls	
isGameCenterEnabled	
kind	
languageCodesISO2A	
price	
primaryGenreId	
primaryGenreName	
releaseNotes	
screenshotUrls	
sellerName	
sellerUrl	
supportedDevices	
trackCensoredName	

Field	Description
trackId	
trackName	
trackViewUrl	
releaseDate	
trackContentRating	
userRatingCount	
userRatingCountForCurrentVersion	
version	
wrapperType	
catalogVer	
bundleId	
free	
ipadOnly	

## Sample request and response

### Request

```
curl -G -k -sS -u <userName>:<password> 'https://<core>/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":
"http://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",
  "description": "MobileIron'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 MobileIron AppConnect secure applications.\n\nNOTE: The Mobile@Work™ iOS app
requires use of MobileIron'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 MobileIron infrastructure.",
  "features": [
    "iosUniversal"
  ],
  "fileSizeBytes": 17851098,
  "genres": [
    "Business",
    "Utilities"
  ],
  "genreIds": [
    "6000",
    "6002"
  ],
  "ipadScreenshotUrls": [

```

```

        "http://a3.mzstatic.com/us/r30/Purple4/v4/3d/8b/11/3d8b11d0-eb5f-f783-8b69-91b3150f2f76/screen480x480.jpeg",
        "http://a3.mzstatic.com/us/r30/Purple4/v4/73/45/65/73456540-8afa-b718-920b-8f79e00d4d4d/screen480x480.jpeg"
    ],
    "isGameCenterEnabled": false,
    "kind": "software",
    "languageCodesISO2A": [
        "NL",
        "EN",
        "FR",
        "DE",
        "IT",
        "JA",
        "KO",
        "PL",
        "PT",
        "RO",
        "ZH",
        "SK",
        "ES",
        "ZH"
    ],
    "price": 0,
    "primaryGenreId": 6000,
    "primaryGenreName": "Business",
    "releaseNotes": "• Bug fixes.",
    "screenshotUrls": [
        "http://a3.mzstatic.com/us/r30/Purple5/v4/54/a5/dF/54a5df30-3e7b-09a1-11ca-2d9aef159a1a/screen322x572.jpeg",
        "http://a1.mzstatic.com/us/r30/Purple4/v4/a8/b2/b0/a8b2b01d-1af0-682b-dc7b-0d7a7188357b/screen322x572.jpeg",
        "http://a3.mzstatic.com/us/r30/Purple4/v4/dd/60/64/dd6064fd-eeeb-e7fd-02f2-06ba1875d4cc/screen322x572.jpeg"
    ],
    "sellerName": "MobileIron",

```

```
"sellerUrl": "http://www.mobileiron.com",
"supportedDevices": [
  "iPhone4S",
  "iPhone4",
  "iPadFourthGen",
  "iPhone5",
  "iPhone5s",
  "iPhone5c",
  "iPadThirdGen4G",
  "iPhone-3GS",
  "iPadThirdGen",
  "iPad2Wifi",
  "iPadMini4G",
  "iPodTouchFifthGen",
  "iPadMini",
  "iPodTouchourthGen",
  "iPadFourthGen4G",
  "iPad23G"
],
"trackCensoredName": "MobileIron Mobile@Work™ Client",
"trackId": 320659794,
"trackName": "MobileIron Mobile@Work™ Client",
"trackViewUrl": "https://itunes.apple.com/us/app/mobileiron-mobile-work-
client/id320659794?mt=8&uo=4",
"releaseDate": 1248721090000,
"trackContentRating": "4+",
"userRatingCount": 861,
"userRatingCountForCurrentVersion": 13,
"version": "6.1.1",
"wrapperType": "software",
"catalogVer": null,
"bundleId": "com.mobileiron.phoneatwork",
"free": true,
"ipadOnly": false
```

```
}  
]  
}
```



# Import iTunes app by track id

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/appstore/itunes

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
trackId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Long App's trackId on iTunes.	530168168
countryCode	<b>Parameter Type:</b> Query <b>Data Type:</b> String	US

Parameter	Description	Sample Value
	<p><b>Default:</b> The browser's locale country code.</p> <p>The two character ISO code of the country within which the app should be looked up.</p>	
languageCode	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> The browser's locale language code.</p> <p>The ISO code of the language for the description of the app, if available.</p>	EN
forceUpdate	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Boolean</p> <p><b>Default:</b> True</p> <p>Whether the existing app with the same bundle ID should be overwritten if it exists.</p>	False

## Response fields

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

Field	Description
creatorType	
catalogType	
publicAppStoreType	
publicStoreId	
developerName	
description	
updateNotes	
cost	
currency	
averageRating	
ratingCount	
installSize	
createdAt	
modifiedAt	
vpnIds	
iconFile	
installer	
phoneScreenshots	
tabletScreenshots	
categories	
featuredApp	
hiddenInAppstore	
perAppVpnByLabelOnly	
dataProtectionRequired	
overrideURL	

Field	Description
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
apnsCertificate	
ipadOnly	
noCostApp	
provisioningProfile	
messagingSupported	

## Sample request and response

### Request

```
curl -X POST -G -k -s -u <userName>:<password>
'https://<core>/api/v2/appstore/itunes?adminDeviceSpaceId=1&trackId=530168168'
```

### Response

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

```

"publicAppStoreType": "ITUNES",
"publicStoreId": "284971959",
"developerName": "Hotels.com",

"description": "The Hotels.com app is the simple, fast and secure way to book your perfect hotel.\n\nPLAN\n- Instantly access Secret Prices on select hotels. These are lower prices that aren't available to everyone.\n- Easily discover your perfect hotels with our in-depth sort and filter options.\n- Get exclusive deals for hotels in your area tonight by using our \u201cTonight\u2019s Local Deals\u201d feature.\n- Save all your favorite hotels to easily compare between features and prices.\n- Easy-to-use map view to discover all the hotels around you. \n\nBOOK\n- Collect 10 nights with us and get 1 free* with Hotels.com\u201ae Rewards\n- Choose when to pay. Either when you book or when you stay at the hotel.\n- Securely store your payment details for fast, easier and safe bookings.\n- Save your booking to your Passbook for whenever you need it.\n\nMANAGE\n- Sign in once and the app will keep you logged in. This is the fastest and easiest way to search for hotels, view your bookings and collect nights.\n- Use Facebook to sign in or register. Create one account for all of your devices with just a touch of a button.\n- See your past, current and future hotel bookings, even when you don\u2019t have access to the Internet. \n- Call our customer support from within the app 24\7 for help making or managing bookings.\n\n*The maximum value of your free night is the average daily rate of your ten nights. Your free night does not include taxes and fees. Account Summary Balance updates after stay has been completed.\n\nContinued use of GPS running in the background can dramatically decrease battery life.",

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

"cost": 0,

"currency": "USD",

"averageRating": 3,

"ratingCount": 35968,

"installSize": 57040450,

"createdAt": 1446246837000,

"modifiedAt": 1446246840000,

"vpnIds": [

],

"iconFile": null,

"installer": null,

"phoneScreenshots": [

],

"tabletScreenshots": [

```

```
],
"categories": [

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

# Search Google Play by keyword

This call searches Google Play for apps using keywords.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/appstore/googleplay

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number Device space ID of the administrator.	1
query	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> String Keyword from the app name or description.	facebook
countryCode	<b>Parameter Type:</b> Query <b>Data Type:</b> String	US

Parameter	Description	Sample Value
	<p><b>Default:</b> The browser's locale country code.</p> <p>The two character ISO code of the country within which the app should be looked up.</p>	
languageCode	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> The browser's locale language code.</p> <p>The ISO code of the language for the description of the app, if available.</p>	EN

## Response fields

Field	Description
messageKey	Message key for the localized message bundle.
messageParameters	Parameters for the localized message.
localizedMessageWithParameters	Localized message with parameters unresolved.
localizedMessage	localized message with parameters resolved.
result	An array of retrieved objects shown in the following rows.
link	
title	
icon	
bundleId	
price	
currency	
category	
categoryDisplay	
shortDescription	
ratings	
developerName	



# Sample request and response

## Request

```
curl -G -k -sS -u <userName>:<password>  
'https://<core>/api/v2/appstore/googleplay?query=facebook'
```

## Response

```
{  
  "messageKey": "com.mobileiron.vsp.messages.appstore.search.app.success",  
  "messageParameters": [  
    2  
  ],  
  "localizedMessageWithParameters": "App search returned '{0}' results.",  
  "localizedMessage": "App search returned '2' results.",  
  "result": [  
    {  
      "link": "https://play.google.com/store/apps/details?id=com.facebook.katana",  
      "title": "Facebook",  
      "icon": "https://lh5.ggpht.com/_XklY7dK6yGsYt53X15RIp7-tbdjWMwQwl_iUAcW-uSq_8zAprmywdn5DQfBHvxZurs1=w170",  
      "bundleId": "com.facebook.katana",  
      "price": 0.0,  
      "currency": null,  
      "category": null,  
      "categoryDisplay": null,  
      "shortDescription": "Keeping up with friends is faster than ever. • See what friends are up to • Share updates, photos and videos • Get notified when friends like and comment on your posts • Text, chat and have group conversations • Play games and use your favorite apps Now you can get early access to the next version of Facebook for Android by becoming a beta tester. Learn how to sign up, give feedback and leave the program in our Help Center: http://on.fb.me/133NwuP Problems downloading or installing the app? See http://bit.ly/GPDownload1 Still need help? Please tell us more about the issue. http://bit.ly/invalidpackageFacebook is only available for users age 13 and over. Terms of Service: http://m.facebook.com/terms.php.",  
      "ratings": null,  
      "developerName": "Facebook"  
    },  
    {
```

```
"link":"https://play.google.com/store/apps/details?id=com.facebook.orca",
"title":"Messenger",
"icon":"https://lh5.ggpht.com/0VYAvZLR9YhosF-thqm8xl8EWsCfrEY_
uk2og2f59K8IOx5TfPsXjFVwxaHVnUbuEjc=w170",
"bundleId":"com.facebook.orca",
"price":0.0,
"currency":null,
"category":null,
"categoryDisplay":null,
"shortDescription":"Instantly reach the people in your life—for free. Messenger
is just like texting, but you don't have to pay for every message (it works with your
data plan).Not just for Facebook friends: Message people in your phone book and just
enter a phone number to add a new contact.Group chats: Create groups for the people
you message most. Name them, set group photos and keep them all in one place.Photos
and videos: Shoot videos and snap selfies or other photos right from the app and send
them with one tap.Chat heads: Keep the conversation going while you use other apps.
Free calls: Talk as long as you want, even with people in other countries. (Calls are
free over Wi-Fi. Otherwise, standard data charges apply.)Even more ways to message:
Bring your conversations to life with stickers. Preview your gallery photos and videos
without leaving the conversation--then choose the perfect ones to send.Record voice
messages when you have more to say.Extra features:Know when people have seen your
messages.Forward messages or photos to people who weren't in the conversation.Search
for people and groups to quickly get back to them.Turn on location to let people know
when you're nearby.See who's available on Messenger and who's active on Facebook.
Create shortcuts to get to any conversation right from your home screen.Turn off
notifications when you're working, sleeping or just need a break.Stay logged in so you
never miss a message.",
"ratings":null,
"developerName":"Facebook"
}
]
}
```

# Import a Google Play app

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

- Silent install
- Block uninstall
- Android for Work
- Auto update app
- Block widget
- Quarantine app when device is quarantined

## Prerequisite

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

## Required Role

See "[Authentication](#)" on [page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/appstore/googleplay/quickimport

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
bundleId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>The bundleID of the Google Play app to import. You can use the call, "<a href="#">Search Google Play by keyword</a>" on page 159 to find the bundleID.</p>	com.spotify.music
androidWork	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to manage the app with Android for Work.</p> <p>Valid values:</p> <ul style="list-style-type: none"> <li>• true</li> <li>• false</li> </ul>	"androidWork":"true",
autoUpdate	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to allow auto update of the app.</p> <p>Valid values:</p> <ul style="list-style-type: none"> <li>• true</li> </ul>	"autoUpdate":"true",

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

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

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

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

## 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://<core>/api/v2/appstore/googleplay/quickimport?bundleId=com.facebook.orca&adminDeviceSpaceId=1' \
-H 'Authorization: Basic xxxxxG1pbjpNaTRtYW4xMQ==' \
-H 'Content-Type: application/json' \
-d '{
  "androidWork": "true",
  "autoUpdate": "true",
  "androidWorkSilentInstall": "false",
  "blockWidget": "true",
```



```
"androidWorkBlockUninstall": "true",
"androidWorkQuarantineApp": "false",
"androidWorkManagedDeviceSilentInstall": "false",
"autoInstallMode": "forceAutoInstall",
"autoInstallPriority": "medium",
"networkTypeConstraint": "anyNetwork",
"chargingStateConstraint": "chargingNotRequired",
"deviceIdleStateConstraint": "deviceIdleNotRequired"
}'
```

## Example responses

### Success

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

### App already exists

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

```
]
}
```

### **App not found**

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

# Search for a Windows app

This call searches for a Windows app.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appstore/windowsStore

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
searchText	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> String Keyword from the app name or description.	Apps%40Work
storeType	<b>Required</b> <b>Parameter Type:</b> Query	WIN8

Parameter	Description	Sample Value
	<p><b>Data Type:</b> String</p> <p>The type of Windows store to search. Valid values are:</p> <ul style="list-style-type: none"> <li>• WIN_PHONE</li> <li>• WIN8</li> <li>• WIN10</li> </ul>	
languageCode	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> The browser's locale language code.</p> <p>The ISO code of the language for the description of the app, if available.</p>	en-us
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200. 0 returns all results.</p>	

## Response fields

Field	Description
results	Results container for array of fields shown below.
title	
appld	
version	
imagelds	
publisher	
category	
releaseDate	
inAppCatalog	

Field	Description
imageIconUrl	
browserLink	
bgColor	
identifier	
messages	
type	
messageKey	
localizedMessage	
messageParameters	
resultCount	How many apps were returned.

## Sample request and response

### Request

```
curl -G -k -sS -u <userName>:<password>
'https://<core>/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",
    "identfier": "MobileIronInc.MobileWork_46hhcags7zat8"
  },
  {
    "title": "Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections",
    "appId": "ccf8eda8-f26a-4663-a877-68d8a8e8e247",
    "version": "N/A",
    "imageIds": [ ],
    "publisher": null,
    "category": null,
    "releaseDate": null,
    "inAppCatalog": false,
    "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/4206466b-44f9-4d68-89b6-aad4ffc430fd/AppTile.2.355596.1.png",
    "browserLink": "http://apps.microsoft.com/windows/en-us/app/canvas-business-forms,-apps,-work-orders,-dispatch---inspections/ccf8eda8-f26a-4663-a877-68d8a8e8e247",
    "bgColor": "#464646",
    "identfier": "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
    ]
  }
],
"resultCount": 3
}
```

# Import a public Windows app

This call imports a public Windows app.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
appId	<b>Required</b> <b>Parameter Type:</b> Path and Request body <b>Data Type:</b> String You repeat this value in the request path and request body.	ccf8eda8-f26a-4663-a877-68d8a8e8e247
version	<b>Required</b>	N/A



Parameter	Description	Sample Value
	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Send N/A if no app version.</p>	
title	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>app description.</p>	Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections
storeType	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>They type of Windows store to search. Valid values are:</p> <ul style="list-style-type: none"> <li>• WIN_PHONE</li> <li>• WIN8</li> <li>• WIN10</li> </ul>	WIN8

## Response fields

Field	Description
results	Container for the results fields below.
id	
name	
platformType	
platformCode	
version	
altVersion	
displayVersion	
appId	
creatorType	

Field	Description
catalogType	
publicAppStoreType	
publicStoreId	
developerName	
description	
updateNotes	
cost	
currency	
averageRating	
ratingCount	
installSize	
createdAt	
modifiedAt	
vpnIds	
iconFile	
fileName	
uuid	
url	
installer	
phoneScreenshots	
tabletScreenshots	
categories	
featuredApp	
hiddenInAppstore	
perAppVpnByLabelOnly	

Field	Description
dataProtectionRequired	
overrideURL	
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
silentUpgradeInstall	
aetAppSettingId	
desktopApp	
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.
messageParameters	Parameters for the localized message.

## Sample request and response

### Request

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

### Response

```
{
  "results": {
    "id": 121,
    "name": "Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections",
    "platformType": "Windows",
```

```
"platformCode": "E",
"version": "N/A",
"altVersion": "",
"displayVersion": "N/A",
"appId": "57E60260.CanvasBusinessAppsForms_81m5mmnk14ej2",
"creatorType": "ADMIN",
"catalogType": "APP",
"publicAppStoreType": "WIN8",
"publicStoreId": "ccf8eda8-f26a-4663-a877-68d8a8e8e247",
"developerName": "Canvas Solutions, Inc.",
"description": "Canvas replaces expensive and inefficient paper business forms
with mobile apps for your smartphones and tablets. Canvas is easy to use - no
programming skills required.
```

Canvas lets you...

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

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

\*\*\*\*\*

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

\*\*\*\*\*

#### About Canvas:

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

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

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

```
    "updateNotes": "- Fixed issue with username and trailing spaces
- Fixed issue with not allow some images to be selected",
    "cost": 0,
    "currency": "USD",
    "averageRating": 4,
    "ratingCount": 6,
    "installSize": 1524000,
    "createdAt": 1456715333000,
    "modifiedAt": 1456715334000,
    "vpnIds": [ ],
    "iconFile": {
        "fileName": "logo.png",
        "uuid": "e2ee1174-e7a5-4455-a437-6a1ff32b6f4b",
        "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=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": [ ]
    }
  ]
}
```

# 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

`/api/v2/appstore/inhouse`

## Request parameters

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

## Response fields - iOS

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

## Sample request and response

### Request

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

### Response

```
{  
  "results":
```



```
{
  "MESSAGING_SUPPORTED": false,
  "appid": "115",
  "applogoname": "Icon@2x.png",
  "appname": "OnHoliday",
  "apptype": "APP_INHOUSE",
  "appversion": "1.0.3",
  "appversionalternate": "",
  "appversiondisplay": "1.0.3",
  "bundle": "OnHoliday",
  "description": "",
  "developername": "",
  "profile": "Team Wildcard Distribution 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.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
id	<b>Required</b> <b>Parameter Type:</b> Request path <b>Data Type:</b> string ID of the app in the app catalog.	146
targetSpaceId	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> String Space ID to which to clone the app.	1
sourceSpaceId	<b>Required</b>	21

Parameter	Description	Sample Value
	<b>Parameter Type:</b> Request body <b>Data Type:</b> String Space ID from which to clone the app.	
nativeAppStoreCert	Required for messaging apps <b>Parameter Type:</b> Request body <b>Data Type:</b> String Native app store certificate.	
nativeAppStoreCertPassword	Required for messaging apps <b>Parameter Type:</b> Request body <b>Data Type:</b> String Native app store certificate password.	

## Sample request and response

### Request

```
curl -X POST -F "sourceSpaceId=21"
"https://<core>/api/v2/appstore/apps/clone/146?targetSpaceId=1"
```

### Response

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

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

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

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

```
{
  "results": {
    "id": 146,
    "name": "ESPNcricinfo Cricket",
    "platformType": "iPhone",
    "platformCode": "I",
    "version": null,
    "altVersion": "",
    "displayVersion": null,
    "appId": "com.espn.cricinfo",
    "creatorType": "ADMIN",
    "catalogType": "APP",
    "publicAppStoreType": "ITUNES",
    "publicStoreId": "417408017",
    "developerName": "ESPN",
    "description": "The official ESPNcricinfo cricket app is the only app that you would...",
    "updateNotes": "- Bug fixes",
    "cost": 0,
    "currency": "USD",
    "averageRating": 3.5,
    "ratingCount": 3012,
    "installSize": 22666240,
    "createdAt": 1484817764000,
    "modifiedAt": 1487314913000,
    "vpnIds": [ ],
    "iconFile": {
      "fileName": "logo.png",
      "uuid": "875532ba-4f30-4d27-8802-1bfd7f828330",
      "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=875532ba-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=bc3bd137-18d7-46ed-93f9-55f7a26550c2&ext=PNG"
  },
  {
    "fileName": "screen-shot-1.png",
    "uuid": "4ad4bd0f-3d98-45e5-afea-4c90de931c67",
    "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=146&uuid=4ad4bd0f-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=f8075512-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=01deaa2b-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=258f2f44-6239-4a94-b8eb-6960eca2528f&ext=PNG"
  }
],
```

```
"tabletScreenshots": [ ],
"categories": [ ],
"featuredApp": false,
"featuredBanner": false,
"bannerDescription": null,
"bannerStyle": null,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": null,
"quarantinable": false,
"pushedOnRegistration": false,
"backupPrevented": false,
"cdnServiceEnabled": false,
"cdnDisabled": false,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
    "parentId": 0,
    "path": "/1/"
  },
  {
    "id": 21,
    "name": "sp71",
    "parentId": 1,
    "path": "/1/21/"
  }
],
"newApp": false,
"minimumOsVersion": "1080000",
"apnsCertificate": null,
"ipadOnly": false,
```

```
"noCostApp": true,
"provisioningProfile": null,
"messagingSupported": false,
"allowUpdateFromUnmanagedToManaged": false,
"profileExpirationDate": null,
"removeAppWhenMDMDisabled": true,
"pushedOnQuarantine": false,
"codeVersion": "",
"autoUpdateEnabled": false,
"appStoreDetailUrl": "https://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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

/api/v2/appstore/webapp

## Request parameters

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



Parameter	Description	Sample Value
	<b>Data Type:</b> String URL of the web application.	

## Response fields

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

Field	Description
perAppVpnByLabelOnly	
featuredApp	
categories	
description	
name	
id	
description	
name	
id	
tabletScreenshots	
url	
uuid	
fileName	
phoneScreenshots	
url	
uuid	
fileName	
installer	
iconFile	
url	
uuid	
fileName	
vpnIds	
modifiedAt	
createdAt	

Field	Description
installSize	
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://<core>/api/v2/appstore/webapp?adminDeviceSpaceId=1' --data
'name=Online%20Meet%20Entries&webAppUrl=http%3A%2F%2Fome.swimconnection.com%2Fmeets'
```

### Response

```
{
```

```

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

```

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

# Update app data

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

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Long</p> <p>Device space ID of the administrator.</p>	1
id	<p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> Long</p> <p>The app's ID. You can find it by issuing the GET /api/v2/appstore/apps call without an ID.</p>	2
appData	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request</p> <p><b>Data Type:</b> Json string</p> <p>An url-encoded JSON string representation of the app fields to modify.</p> <p>JSON example, URL decoded:</p> <pre>{   "name": "MobileIron QA",   "description": "",   "featuredApp": true,   "perAppVpnByLabelOnly": false,   "pushedOnRegistration": true,   "enforceVersion": true,   "overrideURL": "",   "cdnDisabled": true,   "vpnIds": [ ],   "categories": [ ],   "deletedResources": [ ],   "versionRequired": null,   "minimumOsVersion": "21",   "androidWork": false,</pre>	See Description column.

Parameter	Description	Sample Value
	<pre> "autoUpdate": null, "androidWorkSilentInstall": null, "blockWidget": false, "androidWorkBlockUninstall": false, "enableMobileIronAccess": false, "androidWorkQuarantineApp": true,  "androidWorkThirdPartyAppRuntimePermissions": false, "androidWorkHideThirdPartyApps": false, "androidWorkManagedCertificates": false, "accessProfileId": 0, "featuredBanner": false,  "androidWorkManagedDeviceSilentInstall": false, "androidWorkSelfHostedApkLicense": "", "displayMessage": false, "enterpriseConfigs": [ ] } </pre> <p>Available fields vary by platform type. See <a href="#">"Common appData request fields" on the next page</a>, <a href="#">"iOS appData request fields" on page 202</a>, and <a href="#">"Android appData request fields" on page 202</a> below.</p>	
icon	<p><b>Parameter Type:</b> Request</p> <p><b>Data Type:</b> Array of MultipartFile</p> <p>Icon file to replace any existing icon.</p>	icon=@/Users/ssmith/icon.png
phoneScreenshot	<p><b>Parameter Type:</b> Request</p> <p><b>Data Type:</b> Array of MultipartFile</p> <p>An array of phone screenshot files to add to existing screenshots.</p>	phoneScreenshot=@/Users/ssmith/ss1.png



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

## Common appData request fields

Field	Description	Sample Value
platformType	<p><b>Required</b></p> <p><b>Data Type:</b> String</p> <p>The platform type on which the app runs.</p>	iphone
name	<b>Data Type:</b> String	
description	<b>Data Type:</b> String	
publicStoreId	<b>Data Type:</b> String	
featuredApp	<b>Data Type:</b> Boolean	
perAppVpnByLabelOnly	<b>Data Type:</b> Boolean	
quarantinable	<b>Data Type:</b> Boolean	
pushedOnRegistration	<b>Data Type:</b> Boolean	
backupPrevented	<b>Data Type:</b> Boolean	
dataProtectionRequired	<b>Data Type:</b> Boolean	
overrideURL	<b>Data Type:</b> String	
cdnDisabled	<b>Data Type:</b> Boolean	

Field	Description	Sample Value
vpnIds	<b>Data Type:</b> Integer VPN ID's. Replaces any existing VPN ID's	
categories	<b>Field Type:</b> Request body <b>Data Type:</b> Integer ID's of categories. Replaces any existing category associations.	
deletedResources	<b>Data Type:</b> String UUID's of resources to delete.	

## iOS appData request fields

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

## Android appData request fields

Field	Description	Sample Value
mandatory	Required <b>Data Type:</b> Boolean	
versionRequired	Required <b>Data Type:</b> Boolean Use for AppConnect Android apps.	
enforceVersion	Required <b>Data Type:</b> Boolean	

Field	Description	Sample Value
	Use for non-AppConnect Android apps.	
minimumOsVersion	<b>Data Type:</b> String	
androidWork	<b>Data Type:</b> Boolean	
silentInstall	Field Type: Request body <b>Data Type:</b> Boolean	
uninstallBlocked	<b>Data Type:</b> Boolean	
restrictions	<b>Data Type:</b> 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"}]

## 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://<core>/api/v2/appstore/apps/121?adminDeviceSpaceId=1&appData=
{"name":"Cookbook","description":"","featuredApp":true,"perAppVpnByLabelOnly":false,"pushedOnR
egistration":true,"enforceVersion":true,"overrideURL":"","cdnDisabled":true,"vpnIds":
[],"categories":[],"deletedResources":
[],"versionRequired":null,"minimumOsVersion":"21","androidWork":false,"autoUpdate":null,"andro
idWorkSilentInstall":null,"blockWidget":false,"androidWorkBlockUninstall":false,"enableMobileI
ronAccess":false,"androidWorkQuarantineApp":true,"androidWorkThirdPartyAppRuntimePermissions":
false,"androidWorkHideThirdPartyApps":false,"androidWorkManagedCertificates":false,"accessProf
ileId":0,"featuredBanner":false,"androidWorkManagedDeviceSilentInstall":false,"androidWorkSelf
HostedApkLicense":"","displayMessage":false,"enterpriseConfigs":[]}-F
"appData=</Users/ssmith/editreq2.json" -F phoneScreenshot=@/Users/ssmith/ss1.png -F
phoneScreenshot=@/Users/ssmith/ss2.png -F icon=@/Users/ssmith/icon.png

-H 'Authorization: Basic xxxxxG1pbjpaNaTrtYW4xMQ==' \
-H 'Content-Type: application/json' \
```

## Response

```
{
  "results": {
    "id": 121,
    "name": "Cookbook",
    "platformType": "Android",
    "platformCode": "A",
    "version": "10.4.1.0.25R",
    "altVersion": "530",
    "displayVersion": "10.4.1.0.25R",
    "appId": "com.mobileiron.qa",
    "creatorType": "ADMIN",
    "catalogType": "APP",
    "publicAppStoreType": null,
    "publicStoreId": null,
    "developerName": "",
    "description": "",
    "updateNotes": "",
    "cost": null,
    "currency": null,
    "averageRating": null,
    "ratingCount": null,
    "installSize": 73324046,
```

```
"createdAt": 1566329105000,
"modifiedAt": 1566411412000,
"vpnIds": [],
"iconFile": {
  "fileName": "icon.png",
  "uuid": "c880eead-109a-4172-958d-dab521d08984",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=c880eead-
109a-4172-958d-dab521d08984&ext=PNG"
},
"installer": {
  "fileName": "qa-MIClient-10.4.1.0.apk",
  "uuid": "b21a3d4c-53f0-4034-8538-5e8dc2a82e51"
},
"phoneScreenshots": [],
"tabletScreenshots": [],
"categories": [],
"featuredApp": true,
"featuredBanner": false,
"bannerDescription": null,
"bannerStyle": null,
"hiddenInAppstore": false,
"perAppVpnByLabelOnly": false,
"dataProtectionRequired": false,
"overrideURL": "",
"quarantinable": true,
"pushedOnRegistration": true,
"backupPrevented": true,
"cdnServiceEnabled": false,
"cdnDisabled": true,
"deviceSpaceId": 1,
"spaces": [
  {
    "id": 1,
    "name": "Global",
```

```
        "parentId": 0,
        "path": "/1/"
    }
],
"newApp": true,
"minimumOsVersion": "21",
"previousAppId": null,
"androidWork": false,
"androidWorkSilentInstall": false,
"androidWorkManagedDeviceSilentInstall": false,
"androidWorkBlockUninstall": false,
"androidWorkQuarantineApp": true,
"androidWorkThirdPartyAppRuntimePermissions": false,
"androidWorkHideThirdPartyApps": false,
"androidWorkManagedCertificates": false,
"enableMobileIronAccess": false,
"accessProfileId": "0",
"androidWorkGooglePlayDistributionEnabled": true,
"androidWorkSelfHostedApkDefinitionUrl": null,
"androidWorkSelfHostedApkDefinitionStatus": null,
"androidWorkSelfHostedApkLicense": null,
"androidWorkSelfHostedApkStatus": "Status: Not available for download",
"blockWidget": false,
"autoUpdate": false,
"permissionUpdateAvailable": false,
"enterpriseConfigs": [],
"versionRequired": false,
"codeVersion": "530",
"mandatory": false,
"mandatoryOverwrite": false,
"secureApp": false,
"enforceVersion": true,
"vpnNames": null
},
```

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

# Upload app screenshot

This call uploads an app screenshot.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
id	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Number The id of the app whose screenshot to upload.	2
type	<b>Required</b> <b>Parameter Type:</b> Path	phone



Parameter	Description	Sample Value
	<p><b>Data Type:</b> String</p> <p>Type of screenshot to upload. Valid values are:</p> <ul style="list-style-type: none"> <li>• phone</li> <li>• tablet</li> </ul>	

## 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://<core>/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",  
  "fileName": "evernote_tablet2.png"  
}  
}
```

# Get all app categories

This call gets a list of all app categories.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appstore/categories

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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.
description	
name	
id	

## Sample request and response

### Request

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

### Response

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

```
},  
{  
  "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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
id	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Number ID of the app category whose information to retrieve. You can get this value with the <a href="#">"Get all app categories" on page 211</a> call.	2

## Response fields

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

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XGET  
'https://<core>/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

/api/v2/appstore/categories

## Request parameters

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

## Response fields

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

## Sample request and response

### Request

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

## Response

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

# Edit an app category

This call edits an app category.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

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

## Response fields

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

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
"name":"Category One", "description":"The 1st category"}' -XPUT
'https://<core>/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

DELETE

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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.

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XDELETE  
'https://<core>/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/appstore/perappvpns

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://<core>/api/v2/appstore/perappvpns?adminDeviceSpaceId=1'
```

### Response

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

```
"name": "VPN 2",  
"id": 13  
}  
]  
}
```

# Delete an app

This call removes an app.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

DELETE

## Request URI

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

## Request parameters

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

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> -XDELETE  
'https://<core>/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

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

Parameter	Description	Sample Value
pushApp	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p><b>Default:</b> false</p> <p>If true, push the app.</p>	false
convertToManaged	<p><b>Parameter Type:</b> Boolean</p> <p><b>Data Type:</b> Number</p> <p><b>Default:</b> false</p> <p>If true, convert un-managed to managed app. See <a href="#">"Sending an installation request to an app" on page 229</a> for information about how to use this parameter to send an installation request to an app.</p>	false
deviceUuids	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Array of string</p> <p>Default: null</p> <p>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.</p>	["a2b149e8-817d-484b-874c-e2113b8524b8", "a8733819-eea9-4e43-b87e-2824d02f7bcf"]

## Response fields

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

## Sample request and response

### Request

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

### Response

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



# Apply Apps To Labels

This call applies apps to labels.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

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

## Request parameters

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

Parameter	Description	Sample Value
	ID of the labels to which to apply the apps.	

## 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://<core>/api/v2/appstore/apps/119,121/labels/-1,-11?adminDeviceSpaceId=1'
```

### Response

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

# Apply App to Labels with Track

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

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

## Request parameters

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

Parameter	Description	Sample Value
		<pre>"trackId": "FFFFFF FF",  "mandatory": true }  ]  }'</pre>
trackId	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>ID of the Track to which to apply the app.</p> <p>To get the trackId, use GET /mifs/admin/rest/api/v2/afw/tracks/{appld}, for example:</p> <pre>curl -X GET \  'http://&lt;core&gt;/mifs/admin/rest/api/v2/afw/tracks/mobileiron .appsatwork?adminDeviceSpaceId=1' \  -H 'Authorization: Basic xxxxxG1pbjpnATRtYW4xMQ==' \</pre>	<pre>{  "label 1": "12",  "trackI d": "FFFFFF FF",  "mandat ory": true }  ]  }'</pre>
mandatory	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Specify whether the app is mandatory.</p>	<pre>{  "label s": [  {  "label 1": "12",  "trackI d": "FFFFFF FF",</pre>

Parameter	Description	Sample Value
		"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://<core>/mifs/admin/rest/api/v2/appstore/apps/105/labels?adminDeviceSpaceId=1' \
  -H 'Authorization: Basic xxxxxG1pbjpNaTRtYW4xMQ==' \
  -H 'Content-Type: application/json' \
  -d '{
    "labels": [
      {
        "label": "12",
        "trackId": "FFFFFFFF",
        "mandatory": true
      },
      {
        "label": "5",
```

```
    "trackId": "FFFFFFFF",
    "mandatory": false
  },
  {
    "label": "4",
    "trackId": "FFFFFFFF",
    "mandatory": true
  },
  {
    "label": "10",
    "trackId": "FFFFFFFF",
    "mandatory": false
  }
]
```

```
}'
```

## Response

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

# Get the Android for Work schema of an app

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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



## Request parameters

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

## Response fields

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

# Sample request and response

## Request

```
curl -X GET
'https://<core>/mifs/admin/rest/api/v2/afw/schema/com.dropbox.android/?adminDeviceSpaceId=1' -
H 'Authorization: Basic bWlhZG1pbjpaNaTRtYW4xMQ=='
```

## Responses

### Success:

```
{
  "results": {
    "restrictions": [
      {
        "key": "team_emm_token",
        "title": "Dropbox EMM auth token",
        "restrictionType": "STRING",
        "description": "The auth token from the EMM section in the Dropbox Admin Console"
      }
    ],
    "permissions": [
      {
        "id": 118,
        "permissionId": "android.permission.READ_CONTACTS",
        "state": "ACCEPTED",
        "name": "read your contacts",
        "description": "Allows the app to read data about your contacts stored on your device, including the frequency with which you've called, emailed, or communicated in other ways with specific individuals. This permission allows apps to save your contact data, and malicious apps may share contact data without your knowledge."
      },
      {
        "id": 119,
        "permissionId": "android.permission.GET_ACCOUNTS",
        "state": "ACCEPTED",
        "name": "find accounts on the device",
```

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

```
    },
    {
      "id": 120,
      "permissionId": "android.permission.WRITE_EXTERNAL_STORAGE",
      "state": "ACCEPTED",
      "name": "modify or delete the contents of your USB storage",
      "description": "Allows the app to write to the USB storage."
    },
    {
      "id": 124,
      "permissionId": "android.permission.CAMERA",
      "state": "ACCEPTED",
      "name": "take pictures and videos",
      "description": "Allows the app to take pictures and videos with the camera. This permission allows the app to use the camera at any time without your confirmation."
    },
    {
      "id": 125,
      "permissionId": "android.permission.READ_EXTERNAL_STORAGE",
      "state": "ACCEPTED",
      "name": "read the contents of your USB storage",
      "description": "Allows the app to read the contents of your USB storage."
    }
  ]
}
```

**Error - product not found:**

```
{
  "messages": [
    {
      "type": "Error",
      "messageKey": "com.mobileiron.vsp.messages.afw.controller.exception",
    }
  ]
}
```

```
    "localizedMessage": "Exception: 'No product was found for the given id.' occurred",
    "messageParameters": [
      "No product was found for the given id."
    ]
  }
]
}
```

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

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

# Download an app definition file

This call downloads an app definition file.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

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

## Request parameters

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

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

## Sample request and response

### Request

```
curl -X POST \  
  'https://<core>/api/v2/appstore/apps/122/definition?adminDeviceSpaceId=1' \  
  -H 'Authorization: Basic xxxxxG1pbjpNaTrtYW4xMQ==' \  
  \
```

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

#### Success:

```
{  
  "package_name": "com.mobileiron",  
  "version_name": "10.4.1.0.25R",  
  "version_code": 530,  
  "minimum_sdk": 21,  
  "application_label": "MobileIron",  
  "file_sha1_base64": "8dH5GqTz02vMOwbc+wEiCV2lcIQ=",  
  "file_sha256_base64": "7hmuB1qzH03o2VzZE8XefNmAjP570xsxxV6zWZi0t0s=",  
  "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://<core>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.mxmfm.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",  
"com.samsung.android.knox.permission.KNOX\_FIREWALL",  
"android.permission.AID\_READPROC",  
"android.permission.GET\_TASKS",  
"android.permission.READ\_CONTACTS",  
"android.permission.READ\_LOGS",  
"android.permission.GET\_ACCOUNTS",  
"android.permission.READ\_SMS",  
"android.permission.FOREGROUND\_SERVICE",  
"android.permission.BLUETOOTH\_ADMIN",  
"android.permission.SYSTEM\_ALERT\_WINDOW",  
"android.permission.RECEIVE\_BOOT\_COMPLETED",  
"android.permission.NFC",  
"android.permission.WRITE\_EXTERNAL\_STORAGE",  
"android.permission.ACCESS\_FINE\_LOCATION",  
"com.android.launcher.permission.UNINSTALL\_SHORTCUT",  
"com.samsung.android.knox.permission.KNOX\_SECURITY",  
"android.permission.ACCESS\_NETWORK\_STATE",  
"com.samsung.android.knox.permission.KNOX\_WIFI",  
"android.permission.USE\_FINGERPRINT",  
"com.android.launcher.permission.INSTALL\_SHORTCUT",  
"com.cisco.anyconnect.vpn.android.MODIFY\_VPN",



```

    "com.google.android.providers.gsf.permission.READ_GSERVICES",
    "android.permission.RECEIVE_SMS",
    "com.android.email.permission.ACCESS_PROVIDER",
    "com.mobileiron.tunnel.config.permission",
    "com.samsung.android.knox.permission.KNOX_RESTRICTION_MGMT",
    "android.permission.WRITE_SYNC_SETTINGS",
    "android.permission.KILL_BACKGROUND_PROCESSES",
    "android.permission.READ_CALL_LOG",
    "android.permission.USE_BIOMETRIC",
    "android.permission.CHANGE_NETWORK_STATE",
    "android.permission.CAMERA",
    "android.permission.READ_EXTERNAL_STORAGE",
    "android.permission.BLUETOOTH",
    "android.permission.WRITE_SETTINGS",
    "android.permission.READ_PHONE_STATE"
],
"uses-feature": [
    "android.hardware.location.gps",
    "android.hardware.bluetooth",
    "android.hardware.camera",
    "android.hardware.camera.autofocus",
    "android.hardware.touchscreen",
    "android.hardware.telephony",
    "android.hardware.location.network",
    "android.hardware.location",
    "android.hardware.wifi"
]
}

```

**Error - not found:**

```

{
  "messages": [
    {
      "type": "Error",

```

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

# Get the Android for Work permissions of an app

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Long Device space ID of the administrator.	1
package name	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> 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://<core>/mifs/admin/rest/api/v2/afw/permissions_v2/com.dropbox.android/?adminDeviceSpaceId=1' -H 'Authorization: Basic xxxxxG1pbjpNaTRtYW4xMQ=='
```

# 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Sample request

### Request

```
curl -X GET  
'https://<core>/mifs/admin/rest/api/v2/afw/restrictions/com.dropbox.android/?adminDeviceSpaceI  
d=1' -H 'Authorization: Basic xxxxxG1pbjpNaTRtYW4xMQ=='
```

# Add a Google Play app

This call adds a Google Play app.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

/api/v2/appstore/googleplay

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Long Device space ID of the administrator.	1
bundleId	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> String Bundle ID of the Google Play app.	com.facebook.katana
forceUpdate	<b>Parameter Type:</b> Path <b>Data Type:</b> Boolean	true

Parameter	Description	Sample Value
	<b>Default:</b> false Specify whether to force update the app.	
countryCode	<b>Parameter Type:</b> Path <b>Data Type:</b> String Country code of the app.	
languageCode	<b>Parameter Type:</b> Path <b>Data Type:</b> String Language code of the app.	

## Response fields

Field	Description
results	
id	
name	
platformType	
platformCode	
version	
altVersion	
displayVersion	
appId	
creatorType	
catalogType	
publicAppStoreType	
publicStoreId	
developerName	
description	
updateNotes	



Field	Description
cost	
currency	
averageRating	
ratingCount	
installSize	
createdAt	
modifiedAt	
vpnIds	
iconFile	
<ul style="list-style-type: none"> <li>fileName</li> </ul>	
uuid	
url	
installer	
phoneScreenshots	
<ul style="list-style-type: none"> <li>fileName</li> </ul>	
uuid	
url	
tabletScreenshots	
categories	
featuredApp	
featuredBanner	
bannerDescription	
bannerStyle	
hiddenInAppstore	
perAppVpnByLabelOnly	
dataProtectionRequired	

Field	Description
overrideURL	
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
deviceSpaceId	
spaces	
newApp	
minimumOsVersion	
previousAppId	
androidWork	
androidWorkSilentInstall	
androidWorkManagedDeviceSilentInstall	
androidWorkBlockUninstall	
androidWorkQuarantineApp	
androidWorkThirdPartyAppRuntimePermissions	
androidWorkHideThirdPartyApps	
androidWorkManagedCertificates	
enableMobileIronAccess	
accessProfileId	
autoInstallMode	
autoInstallPriority	
networkTypeConstraint	
chargingStateConstraint	
deviceIdleStateConstraint	

Field	Description
androidWorkGooglePlayDistributionEnabled	
androidWorkSelfHostedApkDefinitionUrl	
androidWorkSelfHostedApkDefinitionStatus	
androidWorkSelfHostedApkLicense	
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://<core>/api/v2/appstore/googleplay?adminDeviceSpaceId=1&bundleId=com.facebook.katana' \
  -H 'Authorization: Basic xxxG1pbjpaNaTRtYW4xMQ==' \
  -H 'Content-Type: application/json' \
```

## Response

### Success:

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

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

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

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

**Error - not found:**

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

# 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

### HTTP method

GET

### Request URI

`api/v2/logs/audit_logs_export`

## Request parameters

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

Parameter	Description	Sample Value
actionEnd	<b>Parameter Type:</b> Request body <b>Data Type:</b> Number This can be used along with actionStart to form a date range during which the Audit logs are required.	
sortField	<b>Parameter Type:</b> Query <b>Data Type:</b> String <b>Min:</b> 1 character <b>Max:</b> 320 characters Name of the field to use for sorting.	
sortOrder	<b>Parameter Type:</b> Query <b>Data Type:</b> String <b>Default:</b> 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://<core>/api/v2/logs/audit_logs_export --data-urlencode 'sortField=requestedAt' --data-urlencode 'sortOrder=ASC'
```

## Sample Responses

Success:

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

If the process is already initiated:

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

Failure:

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

## Get status of the export process

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

### Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

### HTTP method

GET

### Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://<core>/api/v2/logs/audit_logs_export_status
```

## Sample Responses

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

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

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

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

```
}
```

Failure:

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

## Download the CSV file

This call downloads the CSV file.

### Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

### HTTP method

POST

### Request URI

api/v2/logs/audit\_logs\_csv

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
-o	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://<core>/api/v2/logs/audit_logs_csv -o auditlog.zip
```

## Sample Response

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

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

# Search/Retrieve audit logs

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/logs/audit\_logs

## Request parameters



Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
userActionIds	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Integer[ ]</p> <p>Comma separated values of user action type Ids, The User action type Ids are fetched from /api/v2/admins/{source}/actions .</p> <p>If this is empty then all the user action types will be considered for the search.</p>	
status	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String[ ]</p> <p>Comma separated values of Audit Log status to filter.</p> <p>If this is empty then returned Audit Logs may contain all kinds of statuses.</p>	Success, Failed, Initiated
subject	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Place holder for a device uuid to filter logs for a particular device.</p>	
actionStart	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>Start time after which the audit logs are required.</p>	
actionEnd	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>This can be used along with actionStart to form a date range during which the Audit logs are required.</p>	
limit	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 200</p> <p><b>Default:</b> 200</p>	

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

## Response 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://<core>/api/v2/logs/audit_logs --data-urlencode 'adminDeviceSpaceId=1' --data-urlencode 'fields=common.id' --data-urlencode 'offset=1' --data-urlencode 'limit=2'
```

## Response

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

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

```
"subjectType": "User",
"subjectOwnerName": null,
"status": "Success",
"objectName": null,
"actionType": "ADD_USER",
"completedAt": 1423466939836,
"cookie": null,
"message": null,
"subjectId": "9001",
"device": null,
"requestedAt": 1423466939836,
"configuration": null,
"objectType": null,
"logType": "userAction"
}
]
}
```

# Get action types facets for audit log categories

This call returns action types facets for audit logs categories.

## Required Role

See "[Authentication](#)" on [page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

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

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

## Response fields

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



# Sample request and response

## Request

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

## Response

```
{  
  "results": {  
    "requestType": "actionType",  
    "rows": [  
      {  
        "name": "add_app_catalog",  
        "count": 12,  
        "query": ""  
      },  
      {  
        "name": "add_appsetting",  
        "count": 1,  
        "query": ""  
      },  
      {  
        "name": "add_label",  
        "count": 6,  
        "query": ""  
      },  
      {  
        "name": "add_ldap",  
        "count": 1,  
        "query": ""  
      },  
      {  
        "name": "add_user",
```

```
"count": 38,
"query": ""
},
{
  "name": "admin_portal_sign_in",
  "count": 134,
  "query": ""
},
{
  "name": "admin_portal_sign_out",
  "count": 8,
  "query": ""
},
{
  "name": "allow_app_tunnel",
  "count": 2,
  "query": ""
},
{
  "name": "apply_label_to_devices",
  "count": 86,
  "query": ""
},
{
  "name": "assign_device_space_admin",
  "count": 1,
  "query": ""
},
{
  "name": "change_language",
  "count": 1,
  "query": ""
},
{
```

```
"name": "change_ownership",
"count": 1,
"query": ""
},
{
  "name": "delete_label",
  "count": 1,
  "query": ""
},
{
  "name": "delete_user_account",
  "count": 12,
  "query": ""
},
{
  "name": "locate",
  "count": 20,
  "query": ""
},
{
  "name": "lock",
  "count": 1,
  "query": ""
},
{
  "name": "modify_appsetting",
  "count": 3,
  "query": ""
},
{
  "name": "push_profile",
  "count": 12,
  "query": ""
},
```

```
{
  "name": "register_device",
  "count": 9,
  "query": ""
},
{
  "name": "remove_label_from_devices",
  "count": 1,
  "query": ""
},
{
  "name": "retire",
  "count": 2,
  "query": ""
},
{
  "name": "send_message",
  "count": 21,
  "query": ""
},
{
  "name": "system_config_change",
  "count": 6,
  "query": ""
},
{
  "name": "update_device_space",
  "count": 10,
  "query": ""
},
{
  "name": "wakeup_device",
  "count": 1,
  "query": ""
}
```

```
    }  
  ]  
},  
"totalCount": 25,  
"resultCount": 25  
}
```

# Device Management

# Search for devices

This call returns information about devices. There are three ways to get device information: filtered by a search query, filtered by label, or filtered by both a search query and a label. This call has a GDPR consideration. See ["GDPR Consideration" on page 27](#).

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
query	<p><b>Required:</b> One of either the query or labelId parameters is required, and you can use both in the same call, but not both with an advanced query. See <a href="#">"Supported queries" on the next page</a> for more information.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 0 character</p> <p><b>Max:</b> 255 characters</p> <p>Search expression. An empty query returns everything. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p>	
labelId	<p><b>Required:</b> One of either the labelId or query parameter is required, and you can use both in the same call. See <a href="#">"Supported queries" on the next page</a> for more information.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The Label ID.</p>	
fields	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> List of strings</p> <p><b>Min:</b> 1 field</p> <p><b>Max:</b> 512 fields</p>	user.display_name%2Ccommon.current_phone_number



Parameter	Description	Sample Value
	Comma-separated list of the names of fields to be returned; Each field should be no more than 320 characters long. See <a href="#">"Valid fields Parameter Values" on page 575</a> for a list of valid values, and <a href="#">"Get the list of searchable device fields" on page 318</a> for how to query for the values. See <a href="#">"Supported queries" below</a> for more information.	
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>	
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortField	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 1 character</p> <p><b>Max:</b> 320 characters</p> <p>Name of the field to use for sorting.</p>	
sortOrder	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC

## Supported queries

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



API Call	Supported?	Sample Request	Sample Response
Only simple query	Unsupported	https://<core>/api/v2/devices?adminDeviceSpaceId=1&fields=common.os_version,common.uuid&query=test	<pre>{   "messages": [     {       "type": "Error",       "messageKey": "com.mobileiron.vsp.messages.advancedsearch.parse.failure",       "localizedMessage": "Unrecognized token '&lt;EOF&gt;' at position 4",       "messageParameters": [         "&lt;EOF&gt;",         4       ]     }   ] }</pre>
Simple query & label	Supported	https://<core>/api/v2/devices?adminDeviceSpaceId=1&fields=common.os_version,common.uuid&labelId=4&query=test	<pre>{   "results": [     {       "common.os_version": "12.1.2",       "common.uuid": "c592e4f3-4e76-4148-a91e-c62da8464968"     }   ] }</pre>

API Call	Supported?	Sample Request	Sample Response
			<pre> }  ],  "totalCount": 1,  "resultCount": 1,  "searchTimeMillis": 11,  "currentServerTimeMilli seconds": 1551852839417,  "hasMore": false } </pre>
Advanced search	Supported	<a common.uuid\"='\"c592e4f3-4e76-4148-a91e-c62da8464968\""' href="https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;query=\">https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;query="common.uuid"="c592e4f3-4e76-4148-a91e-c62da8464968"</a>	<pre> {  "results": [  {  "common.os_ version": "12.1.2",  "common.uuid": "c592e4f3-4e76-4148-a91e- c62da8464968"  }  ],  "totalCount": 1,  "resultCount": 1,  "searchTimeMillis": 3, </pre>

API Call	Supported?	Sample Request	Sample Response
			<pre> "currentServerTimeMilli seconds": 1551852943226,    "hasMore": false } </pre>
Label & advanced query	Unsupported	<a common.uuid"="c592e4f3-4e76-4148-a91e-c62da8464968" href="https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;labelId=4&amp;query=">https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;fields=common.os_version,common.uuid&amp;labelId=4&amp;query="common.uuid"="c592e4f3-4e76-4148-a91e-c62da8464968"</a>	<pre> {   "results": [],   "totalCount": 0,   "resultCount": 0,   "searchTimeMillis": 133,  "currentServerTimeMilli seconds": 1551853012054,    "hasMore": false } </pre>
Only label	Supported	<a href="https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;labelId=4&amp;fields=common.os_version,common.uuid">https://&lt;core&gt;/api/v2/devices?adminDeviceSpaceId=1&amp;labelId=4&amp;fields=common.os_version,common.uuid</a>	<pre> {   "results": [     {       "common.os_ version": "12.1.2",        "common.uuid": "c592e4f3-4e76-4148-a91e- c62da8464968"     }   ], </pre>

API Call	Supported?	Sample Request	Sample Response
			<pre> "totalCount": 1, "resultCount": 1, "searchTimeMillis": 3,  "currentServerTimeMilli seconds": 1551853076127,  "hasMore": false } </pre>

## Response fields

Field	Description
results	An array of retrieved objects. Each object includes just the fields requested with the fields parameter.
common.ip_address	The device's IP address, for example, 10.11.103.146.
common.os_version	The device's OS version, for example, 4.4.
common.platform_name	The device's platform name and OS version, for example, Android 4.4.
common.locale	The locale, for example, en-US.
common.storage_capacity	The device's storage capacity in bytes, for example, 11766960000.
common.miclient_last_connected_at	When the client last connected to Core, 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.

Field	Description
common.id	The internal ID number of the device in Core.
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 Core 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 Core to Cloud.
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.
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.

Field	Description
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.
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 Core, for example, 2016-07-11T19:19:26.000Z.



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

## Sample request and response

### Request

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

```
{noformat}
curl
'https://<core>/admin/rest/api/v2/devices?count=50&offset=0&sortOrder=ASC&sortField=user.display_name&fields=user.display_name,common.current_phone_number,common.model,common.manufacturer,common.mdm_managed,common.platform_name,common.home_country_name,common.registration_date,common.last_connected_at,common.miclient_last_connected_at,common.owner,common.home_operator_name,common.language,common.creation_date,common.uuid,common.ClientId,user.email_address,common.comment,user.user_id,common.storage_capacity,common.device_is_compromised,common.noncompliance_reasons,common.compliant,common.platform,common.quarantined,common.quarantined_reasons,common.id,android.attestation,ios.wakeup_status,common.status,common.device_space_name,common.background_status,common.data_protection_enabled,common.data_protection_reasons,common.device_admin_enabled,common.memory_capacity,common.memory_free,common.storage_capacity,common.storage_free,common.battery_level,common.client_name,common.client_version,ios.DataRoamingEnabled,common.locale,common.ethernet_mac,common.imei,common.imsi,common.ip_address,ios.iPhone ICCID,ios.iPhone MAC_ADDRESS_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",
      "common.platform_name": "Android 4.4",
```

```
"common.locale": "en-US",
"common.storage_capacity": 11766960000,
"common.miclient_last_connected_at": "2016-07-11T19:19:26.000Z",
"common.home_operator_name": "AT&T",
"common.uuid": "a57dcd91-f9a4-428e-bd47-3dd96bb7e1f9",
"common.quarantined": false,
"common.id": 9,
"common.device_space_name": "Global",
"common.ccm_migration_status": "None",
"common.imsi": "310410792173128",
"android.afw_capable": false,
"common.storage_free": 9754620000,
"common.device_is_compromised": false,
"common.owner": "COMPANY",
"user.email_address": "testuser2264@auto8.mobileiron.com",
"common.manufacturer": "samsung",
"common.data_protection_enabled": true,
"common.mdm_managed": false,
"common.memory_free": 615304396,
"common.model": "SAMSUNG-SM-G900A",
"common.memory_capacity": 1946943488,
"common.client_name": "com.mobileiron",
"common.status": "ACTIVE",
"common.current_phone_number": "PDA",
"common.platform": "Android",
"common.imei": "354691065438150",
"user.display_name": "testuser2264",
"common.creation_date": "2016-07-11T19:18:13.000Z",
"android.attestation": "Unknown",
"common.background_status": 0,
"common.last_connected_at": "2016-07-11T19:19:26.000Z",
"common.home_country_name": "United States",
"android.registration_status": "Device Admin",
"common.battery_level": 100,
```

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

# Act on a device

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

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/devices/action

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b>  <b>Parameter Type:</b> Query  <b>Data Type:</b> Number            Device space ID of the administrator.</p>	1
actionType	<p><b>Required</b>  <b>Parameter Type:</b> Query  <b>Data Type:</b> String            The action to perform.            One of:</p> <ul style="list-style-type: none"> <li>• ENABLE_VOICE_ROAMING (iOS)</li> <li>• DISABLE_VOICE_ROAMING (iOS)</li> <li>• ENABLE_DATA_ROAMING (iOS)</li> <li>• DISABLE_DATA_ROAMING (iOS)</li> <li>• ENABLE_PERSONAL_HOTSPOT (iOS)</li> <li>• DISABLE_PERSONAL_HOTSPOT (iOS)</li> <li>• SEND_MESSAGE (Android, iOS)</li> <li>• UPDATE_OS (iOS)</li> <li>• UNLOCK_APP_CONNECT_CONTAINER (Android)</li> <li>• UNLOCK_DEVICE_ONLY (Android, iOS)</li> </ul>	ENABLE_VOICE_ROAMING
deviceUuids	<p><b>Required</b>  <b>Parameter Type:</b> Request body  <b>Data Type:</b> Array of UUID Strings            UUID Strings of the devices on which to perform the action.</p>	a2556e62-2ed0-4d42-98fd-a342eaf3e4e6
note	<p><b>Parameter Type:</b> Request body  <b>Data Type:</b> String</p>	Turning off voice roaming.

Parameter	Description	Sample Value
	<b>Min:</b> 1 character <b>Max:</b> 200 characters Note describing the action.	

## Additional request parameters for send\_message

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

Parameter	Description	Sample Value
	<ul style="list-style-type: none"> <li>email</li> </ul>	
subject	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Subject of the message.</p>	Important news about your device

## Response fields

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

## Sample request and response

### Request

Enable data roaming.

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

## Response

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



# Export devices

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

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/devices

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
query	<p><b>Required:</b> One of either the query or labelId parameters is required, and you can use both in the same call.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Min:</b> 0 character</p> <p><b>Max:</b> 2000 characters</p> <p>Search expression. An empty query returns everything. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.</p>	
labelId	<p><b>Required:</b> One of either the labelId or query parameter is required, and you can use both in the same call.</p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The Label ID.</p>	
fieldGroups	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> List of strings</p> <p><b>Min:</b> 1 field group</p> <p><b>Max:</b> 20 field groups</p>	USER,COMMON,ANDROID,IOS,WINDOWS_PHONE

Parameter	Description	Sample Value
	<p>Comma-separated list of the names of field groups to be returned. Each field group should be no more than 20 characters long. May be any sequence of the following group names: "BASIC", "COMMON", "ANDROID", "IOS", "USER", "WINDOWS_PHONE"</p>	
limit	<p><b>Parameter Type:</b> Query  <b>Data Type:</b> Number  <b>Min:</b> 0  <b>Max:</b> 5000  <b>Default:</b> 5000</p> <p>Indicates the maximum number of entries to return.</p>	
offset	<p><b>Parameter Type:</b> Query  <b>Data Type:</b> Number  <b>Min:</b> 0  <b>Max:</b> 10,000,000  <b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
sortField	<p><b>Parameter Type:</b> Query  <b>Data Type:</b> String  <b>Min:</b> 1 character  <b>Max:</b> 320 characters</p> <p>Name of the field to use for sorting.</p>	
sortOrder	<p><b>Parameter Type:</b> Query  <b>Data Type:</b> String  <b>Default:</b> ASC</p> <p>Indicates the order in which entries are returned. Values can be "ASC" or "DESC".</p>	ASC

## Response values

**Content-Type:** text/csv

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

## Sample request and response

### Request

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

### Response

Response is a CSV file containing the retrieved values.

# Delete devices

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

## Required Role

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

## HTTP method

DELETE

## Request URI

api/v2/devices

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	
deviceUuids	<b>Parameter Type:</b> Request body <b>Data Type:</b> Array of strings <b>Min:</b> 1 deviceId <b>Max:</b> 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	<b>Parameter Type:</b> Request body <b>Data Type:</b> Array of strings	2a393b114f7c

Parameter	Description	Sample Value
	<b>Min:</b> 1 wifiMacs <b>Max:</b> 512 wifiMacs Comma-separated list of wifiMacs to delete if retired and is of platform iOS, OS X, Win8, Android.	
principals	<b>Parameter Type:</b> Request body <b>Data Type:</b> Array of strings <b>Min:</b> 1 principals <b>Max:</b> 512 principals Comma-separated list of principals to delete if retired and is of platform iOS, OS X, Win8, Android.	

## Response object

A JSON object containing the following fields:

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

## Sample request and response

### Request

```
curl -k -sS -u username:password -XDELETE -H "Content-Type: application/json"
'https://[core]/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"
]
```



# Count devices

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices/count



## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 0 characters <b>Max:</b> 2000 characters Search expression. An empty query returns the count of all devices. See <a href="#">"Query Operators and Search Fields"</a> on <a href="#">page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.	query="common.manufacturer" starts with "Appl"

## Response fields

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

## Sample request and response

### Request

Count all devices that are manufactured by Apple.

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpaTRtYW4xMQ=="  
https://core]/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices/query\_test

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 0 characters <b>Max:</b> 2000 characters Search expression. An empty query is valid. See <a href="#">"Query Operators and Search Fields" on page 579</a> for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=manufacturer contains "Apple"

## Response fields

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

## Sample request and response

### Request

Validate the query.

```
curl -G -k -sS -u username:password 'https://[core]/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 287.

## Required Role

See ["Authentication"](#) on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices/search\_fields

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://[core]/api/v2/device/search_fields'
```

### Response

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

# Get device details

This call gets device details for a specific device.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices/<deviceId>/details

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	
deviceId	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> 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://[core]/api/v2/devices/2e33329d-fed5-4f56-a2b7-65caa5ef0cfe/details -H  
"authUserId: bWlhZG1pbG==" -H "Accept: application/json"
```

### Response

```
{  
  results: [  
    {  
      name: "ios.ProductName",  
      value: null  
    },  
    {  
      name: "common.current_operator_name",  
      value: null  
    },  
    {  
      name: "ios.security_reason_code",  
      value: "0x00000008"  
    },  
    {  
      name: "common.registration_imsi",  
      value: "310410"  
    },  
    ... {
```

```
    name: "ios.BluetoothMAC",
    value: null
  },
  {
    name: "ios.IsDeviceLocatorServiceEnabled",
    value: false
  }
],
totalCount: 84,
resultCount: 84
}
```

# 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	adminDeviceSpaceId=1
deviceId	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> 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.

## Sample request and response

### Request

```
curl --location --request GET 'https://[core]/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 xxxxxG1pbjp6ZjV0YzdLSg==' \  

```

### Response

```
{  
  "results": [  
    {  
      "eid": "N/A",  
      "phoneNumber": "N/A",  
      "carrierSettingVersion": "N/A",  
      "carrierNetwork": "N/A",  
    }  
  ]  
}
```

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

# Get Last Sync Time and State of ActiveSync Devices

This call gets the sync time and state of ActiveSync devices. The CSV output of this call is a helpful reference for operators who retire devices from Core 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Response fields

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

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

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" https://[core]/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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/devices/<deviceUuid>/appcompliance

## Request parameters

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

## Sample request and response

### Request

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

## Response

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

# Wake up a device

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/wakeup

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
deviceUuids	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> String The device UUIDs of the devices to wake up. Use commas to separate multiple values.	af0cea8b-f56c-49f5-b615-76cc34936b2f
note	<b>Parameter Type:</b> Request body <b>Data Type:</b> 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://<core>/api/v2/devices/wakeup?adminDeviceSpaceId=1' --data '
{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"], "note": "something"}'
```

### Response

```
{
  "actionType": "WAKEUP_DEVICE",
  "deviceResults": {
```

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

# Send message

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/sendmessage

## Request parameters



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

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

## Response fields

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

## Sample request and response

### Request

```
curl --user <username>:<password> --header 'Content-Type: application/json' --request PUT 'https://<core>/api/v2/devices/sendmessage?adminDeviceSpaceId=1' --data '{ "deviceUids": ["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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

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

## Request parameters

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

## Response fields

Field	Description
results	Container for the results.
resultId	ID of the result.
resultMessage	Message associated with the resultID.
records	<p>An array of values for each label applied:</p> <ul style="list-style-type: none"> <li>• uuid</li> <li>• id</li> <li>• principal</li> <li>• deviceSpaceId</li> <li>• deviceSpacePath</li> <li>• label</li> <li>• device</li> </ul>

Field	Description
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://<core>/api/v2/devices/labels/ios,company-owned/add?adminDeviceSpaceId=1'
--data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"]}'
```

### Response

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

```
    ]
  },
  {
    "uuid": null,
    "id": null,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "label": "company-owned",
    "device": [
      {
        "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"
      }
    ]
  }
]
}
],
"resultCount": 1,
"actionType": "APPLY_LABEL_TO_DEVICES",
"deviceResults": { },
"successful": true
}
```

# Remove labels from devices

This call removes labels from devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

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

## Request parameters



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

Field	Description
results	Container for the results.
resultId	ID of the result.
resultMessage	Message associated with the resultID.
records	An array of values for each label applied: <ul style="list-style-type: none"> <li>• uuid</li> <li>• id</li> <li>• principal</li> <li>• deviceSpaceId</li> <li>• deviceSpacePath</li> <li>• label</li> <li>• device</li> </ul>

Field	Description
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://<core>/api/v2/devices/labels/ios,company-owned/remove?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"]}'
```

### Response

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

```
{
  "uuid": null,
  "id": null,
  "principal": null,
  "deviceSpaceId": 1,
  "deviceSpacePath": "/1/",
  "label": "company-owned",
  "device": [
    {
      "uuid": "9a56d1e5-ca74-4776-868c-389c849348b2"
    }
  ]
}
],
"resultCount": 1,
"actionType": "REMOVE_LABEL_FROM_DEVICES",
"deviceResults": { },
"successful": true
}
```

# Wipe devices

This call wipes devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/wipe

## Request parameters

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

## Response fields

Field	Description
actionType	Describes the action type, in this case, WIPE.
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://<core>/api/v2/devices/wipe?adminDeviceSpaceId=1' --data '{"deviceUuids": ["af0cea8b-f56c-49f5-b615-76cc34936b2f"], "note": "Employee left company."}'
```

### Response

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

```
},  
  "successful": true  
}
```

# Lock devices

This call locks devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/lock

## Request parameters

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

## Response fields

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

## Sample request and response

### Request

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

### Response

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



```
},  
  "successful": true  
}
```

# Unock devices

This call unlocks devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/unlock

## Request parameters

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

## Response fields

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

## Sample request and response

### Request

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

### Response

```
{
  "actionType": "UNLOCK",
  "deviceResults": {
```

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

# Retire devices

This call retires devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/retire

## Request parameters

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

## Response fields

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

## Sample request and response

### Request

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

### Response

```
{
  "actionType": "RETIRE",
  "deviceResults": {
    "af0cea8b-f56c-49f5-b615-76cc34936b2f":
      "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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

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

## Response fields

Field	Description
results	
HttpStatus	
error	
error_description	
error_code	
error_signature	
code	
state	
groupid	



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

# Check device compliance

This call checks device compliance for selected or all devices.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

PUT

## Request URI

api/v2/devices/checkcompliance

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
allDevices	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Boolean</p> <p>Specifies whether to return compliance information for all devices, or only for the devices indicated in the request body.</p> <p>Valid values:</p> <ul style="list-style-type: none"> <li>• true</li> <li>• false</li> </ul> <p>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 <a href="#">"Requests" on the next page</a>.</p>	true
deviceUuids	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>The device UUIDs of the devices for which to check device compliance.</p> <p>If the value of the allDevices parameter is true, then send {} in the request body as raw JSON (application/json) text.</p> <p>If the value of the allDevices parameter is false, then send the list of device UUIDs in the request body as raw JSON (application/json) text, like this, for example:</p> <pre>{   "deviceUuids": [     "ca7e632e-1c64-4ef3-8ed4-92480cb30a6f"   ] }</pre> <p>See the <a href="#">"Requests" on the next page</a>.</p>	{"deviceUuids": ["ca7e632e-1c64-4ef3-8ed4-92480cb30a6f"]}

## Response fields

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

## Sample requests and response

### Requests

#### Check Compliance for specific devices

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

### Response

```
{  
  "results": [  
    {  
      "resultId": "114",  
      "resultMessage": null,  
      "records": [  
        "af0cea8b-f56c-49f5-b615-76cc34936b2f"  
      ]  
    }  
  ]  
}
```

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

# Get device compliance and reason for non compliance

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

/api/v2/devices/{deviceId}/rulecompliance

## Request parameters



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

## Response fields

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

## Sample request

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

## Sample response

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

# Custom Device Enrollment

# Get MDM profile

Applicable to iOS 13.0 and macOS 10.15 and later versions as supported by Core. 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 *Core 10.8.0.0 Device Management Guide for iOS and macOS* (version 10.8.0.0 and later) for complete details. You can find Core documentation here.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

mifs/rs/api/v2/external/mdm/config/DEPMDMProfile?adminDeviceSpaceId={adminDeviceSpaceId}&deviceInfo={deviceInfo}&principal={principal}

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Default:</b> 0</p> <p>Device space ID of the administrator.</p>	1
deviceInfo	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>This is the custom header, x-apple-aspen-deviceinfo, that an Apple device presents when it accesses the custom enrollment URL. It contains a base64 encoding of a CMS (Cryptographic Message Syntax) envelope that contains a plist with device attributes.</p>	MIAGCSqGS1b3DQEHAqCAMIACAQExCzAJBgUrDgMCGGUAMIAGCSqGS1b3DQEHAaCAJIAEg... 8J1/FDsNPlsrbfA/AcAvaKpilLxKd6aD+7CAAAAAAAAA=
principal	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p>	C23404779_User_70229196

Parameter	Description	Sample Value
	<p>Core user to associate to the Device Enrollment profile's device.</p> <p>This value corresponds to the return field <b>principal</b> shown below when you get user info using <b>Devices &amp; Users &gt; Users</b> in the user interface:</p> <pre> {   "rc": true,   "total": 2,    "generationTime":   1598854110957,   "offset":   0,   "results":   [     {       "uuid":       "4a4790b2-91bd-4c1c-9449-d31f8d1b1bee",       "id":       9045,</pre>	

Parameter	Description	Sample Value
	<pre>"principal": "C23404779_ User_ 70229196",  "deviceSpaceI d": 1,  "deviceSpaceP ath": "/1/",  "roles": [ ... ],</pre>	

# 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/device\_spaces

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Default:</b> 0</p> <p>Device space ID of the administrator.</p>	
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0 character</p> <p><b>Max:</b> 10,000 characters</p> <p><b>Default:</b> 10,000</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.</p>	5000
offset	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Max:</b> 10,000,000</p> <p><b>Default:</b> 0</p> <p>Indicates the index of the first entry to return.</p>	
excludeDeviceCount	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Boolean</p> <p><b>Default:</b> false</p> <p>true = deviceCount field returned is always zero and you should ignore this value.</p> <p>false = deviceCount field contains actual device count.</p> <p>If you do not need the device count, then call it with "excludeDeviceCount=true," which yields faster results.</p>	

## Response fields

Field	Description
results	An array of entry objects: id, device space name, criteria, status, priority, device count, and the admins of the device space.
totalCount	The total number of entries that the query matched.
resultCount	The number of entries that are being returned.
hasMore	Indicates that there are more entries available.

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" https://[core]/api/v2/device_spaces?adminDeviceSpaceId=1&limit=50&sort&dir=ASC&offset=0&page=1&start=0
```

### Response

```
{
  "results": [
    {
      "id": 1,
      "name": "Global",
      "criteria": "",
      "status": "ACTIVE",
      "priority": 1,
      "deviceCount": 319,
      "admins": "miadmin"
    }
  ],
  "totalCount": 1,
  "resultCount": 1,
  "hasMore": false
}
```

# Get my device spaces

This call gets a list of device spaces to which the currently logged in user belongs.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/device\_spaces/mine

## Request parameters

none

## Response fields

Field	Description
results	An array of device spaces: id, device space name, and the description of the device space.
totalCount	The total number of entries that the query matched.
resultCount	The number of entries that are being returned.
hasMore	Indicates that there are more entries available.

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" https://  
[core]/api/v2/device_  
spaces/mine?adminDeviceSpaceId=1&limit=50&sort&dir=ASC&offset=0&page=1&start=0
```

### Response

```
{  
  "results": [  
    {  
      "id": 1,  
      "name": "Global",  
      "description": null  
    }  
  ],  
  "totalCount": 1,  
  "resultCount": 1  
}
```

# List fields for device space criteria

This call returns a list of the advanced search fields used for creating a device space.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/device\_spaces/criteria

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Default:</b> 0 Device space ID of the administrator.	

## Sample request and response

### Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpnNaTRtYW4xMQ==" https://[core]/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/device\_spaces



## Request parameters

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

## Response fields

Field	Description
id	The ID of the created or updated device space.

## Sample request and response

### Request

```
curl "https://[core]/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 Core deletes the marked device space within a few hours.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

DELETE

## Request URI

api/v2/device\_spaces/[id]

## Request parameters

Parameter	Description
adminDeviceSpaceId	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Default:</b> 0 Device space ID of the administrator.
id	<b>Parameter Type:</b> Path <b>Data Type:</b> 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://[core]/api/v2/device_spaces/4?adminDeviceSpaceId=1" -X DELETE -H  
"Content-Type: application/json"
```

### Response

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

# Assign admins to device space

This call assigns admins to a device space.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/device\_spaces/[deviceSpaceId]/admins

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Default:</b> 0</p> <p>Device space ID of the administrator.</p>	
deviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 10,000,000</p> <p>The ID of device space ID to which to assign admins</p>	
roles	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 100</p> <p>List of roles to assign to the admins. See <a href="#">"Get a list of admin roles" on page 60</a> for the call you use to find the values for this parameter.</p>	

Parameter	Description	Sample Value
adminUsers	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin userIds (i.e., principals). Each element in the list must be no more than 50 characters in length. May not be used if adminLdapEntities is used.</p>	
adminLdapEntities	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin LDAP entities, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used.</p> <p><b>Note:</b> LDAP entities are not validated against LDAP. You must to pass in the correct values.</p>	

## Response fields

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

## Sample request and response

### Request

```
curl "https://[core]/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"  
  }  
]  
}
```

## Response

200 OK



# Delete admins from device space

This call unassigns admins from a device space.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

DELETE

## Request URI

api/v2/device\_spaces/{deviceSpaceId}/admins

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p><b>Default:</b> 0</p> <p>Device space ID of the administrator.</p>	
deviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Path and Request body</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 10,000,000</p> <p>The ID of device space from which to delete admins. This call requires this parameter in the request path and in the request body.</p>	
adminUsers	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin userIDs (i.e., principals) 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.</p>	
adminLdapEntities	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> List</p> <p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>List of admin LDAP entities to delete as admins, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used.</p> <p><b>Note:</b> LDAP entities are not validated against LDAP. You must to pass in the correct values.</p>	

## Response fields

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

## Sample request and response

### Request

```
curl "https://[core]/api/v2/device_spaces/5/admins?adminDeviceSpaceId=1" -X DELETE -H
"Content-Type: application/json" --data-binary "
{""deviceSpaceId"":5, ""adminLdapEntities"":
[{"name":"testuser000004", "type":"USER", "dn":"cn=testuser000004,ou=contacts
,dc=auto2,dc=mobileiron,dc=com"}]}
```

### Response

200 OK

# Get policy restrictions

This call lists the policy restrictions for the target device space.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<p><b>Category:</b> Admin Management</p> <p><b>Role Description:</b> Manage administrators and device spaces</p> <p>(You can also make this call with the <b>Policy management &gt; View policy</b> role.)</p>

## HTTP method

GET

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 0 <b>Default:</b> 0 Device space ID of the administrator.	1
deviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 1 <b>Max:</b> 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://core/msa/v2/policy/restrictions?adminDeviceSpaceId=1&deviceSpaceId=3' \  
  -H 'authorization: Basic 5555ZG1pbjpaNaTrtYW4xMQ==' \  
  -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."
    }
  ]
}
```

# 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

msa/v2/policy/restrictions?deviceSpaceId

## Request parameters

Parameter	Description	Sample Value
deviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The ID of device space for which to configure policy restrictions.</p>	3
policyRestrictions	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> JSON</p> <p>Container for the policy restrictions parameters.</p> <ul style="list-style-type: none"> <li>• <b>policyProfileType:</b> The type of restriction to configure. Can be: <ul style="list-style-type: none"> <li>- <b>PRIVACY</b></li> <li>- <b>SECURITY</b></li> </ul> </li> <li>• <b>creationAllowedInSpace:</b> Specifies whether admins can create policies in the space. Can be: <ul style="list-style-type: none"> <li>- <b>true</b></li> <li>- <b>false</b></li> </ul> </li> <li>• <b>overrideGlobalPolicies:</b> Specify whether Privacy and Security policies created in the space override global policies. Can be: <ul style="list-style-type: none"> <li>- <b>true:</b> All policies created in this space will have higher priority than global policies. Relevant policies will be re-evaluated and if there are any changes, it will be re-pushed to the devices.</li> <li>- <b>false:</b> All policies created in this space will have lower priority than global policies. Relevant policies will be re-evaluated and if there are any changes, it will be re-pushed to the devices.</li> </ul> </li> </ul>	<p>(ignore the hyphens in the sample below. Do not use hyphens for the parameters)</p> <pre>{   "policyRestrictions": [     {       "policyProfileType": "PRIVACY",       "creationAllowedInSpace": true,       "overrideGlobalPolicies": false     },     {       "policyProfileType": "SECURITY",       "creationAllowedInSpace": true,       "overrideGlobalPolicies": false     }   ] }</pre>



## Response fields

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

## Sample request and response

### Request

```
curl -X POST \  
  'https://core/msa/v2/policy/restrictions?deviceSpaceId=3' \  
  -H 'accept: application/json' \  
  -H 'authorization: Basic 4555ZG1pbjpnATRtYW4xMQ==' \  
  -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.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/device\_spaces/[deviceSpaceId]/change\_priority

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Default:</b> 0 Device space ID of the administrator.	
deviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Number The ID of device space whose priority to change.	
deviceSpaceIdAboveMe	<b>Parameter Type:</b> Request body <b>Data Type:</b> List	

Parameter	Description	Sample Value
	<p><b>Min:</b> 1</p> <p><b>Max:</b> 500</p> <p>The ID of the device space whose priority is one step higher than the target device space.</p> <p>Use 0 (zero) if the target device space is to have no other spaces above it.</p>	

## Response fields

Field	Description
results	An array of information about the target device space, including id, name, parent device space ID, resultant priority, criteria used for creating the device space, status of the change, and the path.

## Sample request and response

### Request

```
curl "https://[core]/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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

POST

## Request URI

api/v2/device\_spaces/evaluate

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Default:</b> 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://[core]/api/v2/device_spaces/evaluate?adminDeviceSpaceId=1" -H "Content-type: application/json" --data "includeLabelEvaluation=1"
```

### Response

200 OK

# Label Management

# Get information on all labels

This call returns information on all labels.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Label Management <b>Role Description:</b> View label

## HTTP method

GET

## Request URI

/api/v2/labels/label\_summary

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
limit	<b>Parameter Type:</b> Query <b>Data Type:</b> Number <b>Min:</b> 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	<b>Parameter Type:</b> Query	

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

## Response fields

Field	Description
totalCount	The total number of entries that the query matched.
resultCount	The number of entries that are being returned.
hasMore	Indicates that there are more entries available.
results	An array of retrieved objects shown below.
id	
name	
description	
isStatic	
criteria	
deviceCount	
deviceSpaceId	



Field	Description
deviceSpaceName	
deviceSpacePath	
rowType	Values include: <ul style="list-style-type: none"> <li>• ADMIN: Created by an admin.</li> <li>• SYSTEM: A pre-defined system label.</li> </ul>

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://<core>/api/v2/labels/label_summary?adminDeviceSpaceId=1'
```

### Response

```
{
  "totalCount": 10,
  "resultCount": 10,
  "hasMore": false,
  "results": [
    {
      "id": -1,
      "name": "All-Smartphones",
      "description": "Label for all devices irrespective of OS",
      "isStatic": false,
      "criteria": "\"common.retired\"=false",
      "deviceCount": 2,
      "deviceSpaceId": 1,
      "deviceSpaceName": "Global",
      "deviceSpacePath": "/1/",
      "rowType": "SYSTEM"
    },
    {
```

```

    "id": -10,
    "name": "Android",
    "description": "Label for all Android Phones.",
    "isStatic": false,
    "criteria": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
    "deviceCount": 1,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -6,
    "name": "Company-Owned",
    "description": "Label for all Company owned smartphones.",
    "isStatic": false,
    "criteria": "\"common.owner\"=\"COMPANY\" AND \"common.retired\"=false",
    "deviceCount": 2,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -5,
    "name": "Employee-Owned",
    "description": "Label for all Employee owned Smartphones.",
    "isStatic": false,
    "criteria": "\"common.owner\"=\"EMPLOYEE\" AND \"common.retired\"=false",
    "deviceCount": 0,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  }

```

```

},
{
  "id": -4,
  "name": "iOS",
  "description": "Label for all iOS devices.",
  "isStatic": false,
  "criteria": "\"common.platform\"=\"iOS\" AND \"common.retired\"=false",
  "deviceCount": 1,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "SYSTEM"
},
{
  "id": -11,
  "name": "macOS",
  "description": "Label for all macOS Devices.",
  "isStatic": false,
  "criteria": "\"common.platform\"=\"macOS\" AND \"common.retired\"=false",
  "deviceCount": 0,
  "deviceSpaceId": 1,
  "deviceSpaceName": "Global",
  "deviceSpacePath": "/1/",
  "rowType": "SYSTEM"
},
{
  "id": -20,
  "name": "Signed-Out",
  "description": "Label for devices that are in a multi-user signed-out state.",
  "isStatic": false,
  "criteria": "\"common.noncompliance_reasons\" = \"LOGGED_OUT\" AND \"common.retired\"=false",
  "deviceCount": 0,
  "deviceSpaceId": 1,

```

```

    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "ADMIN"
  },
  {
    "id": -21,
    "name": "tvOS",
    "description": "Label for all tvOS Devices.",
    "isStatic": false,
    "criteria": "\"common.platform_name\" STARTS WITH \"AppleTV\" AND
\"common.retired\"=false",
    "deviceCount": 0,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -13,
    "name": "Windows",
    "description": "Label for all Windows devices.",
    "isStatic": false,
    "criteria": "(\"common.platform_name\" = \"Windows 8.1\" OR \"common.platform_name\" =
\"Windows 10\" AND \"windows_phone.wp_phone\" = false) AND \"common.retired\" = false",
    "deviceCount": 0,
    "deviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "rowType": "SYSTEM"
  },
  {
    "id": -12,
    "name": "Windows Phone",
    "description": "Label for all Windows Phone Devices.",
    "isStatic": false,

```

```
    "criteria": "(\"common.platform\" = \"Windows Phone\" OR \"common.platform_name\" =  
    \"Windows 10\" AND \"windows_phone.wp_phone\" = true) AND \"common.retired\" = false",  
    "deviceCount": 0,  
    "deviceSpaceId": 1,  
    "deviceSpaceName": "Global",  
    "deviceSpacePath": "/1/",  
    "rowType": "SYSTEM"  
  }  
]  
}
```

# Get label usage information

This call provides the usage summary of a label.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Label Management <b>Role Description:</b> View label

## HTTP method

GET

## Request URI

api/v2/labels/{labelid}/label\_usage\_summary

## Request parameters

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

## Response fields

Field	Description
policies	
configs	
id	
name	
description	
applications	
deviceCount	
policyCount	
configCount	
userCount	
applicationCount	

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://<core>/api/v2/labels/-11/label_usage_summary?adminDeviceSpaceId=1'
```

### Response

```
{
  "policies": [ ],
  "configs": [ ],
  "applications": [ ],
  "deviceCount": 1,
  "policyCount": 0,
  "configCount": 0,
  "userCount": 1,
  "applicationCount": 0
}
```

# Get information about a specific label

This call provides information about a specific label.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Label Management <b>Role Description:</b> View label

## HTTP method

GET

## Request URI

/api/v2/labels/{labelId}

## Request parameters

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



## Response fields

Field	Description
results	Array of the fields shown below.
uuid	
id	
principal	
deviceSpaceId	
deviceSpacePath	
name	
description	
state	
staticLabel	
searchCriteria	
query	
deviceCount	<p>This call always returns 0 (zero) for the device count. To find out how many devices are using a specific label, use:</p> <p>GET "https://&lt;core&gt;/api/v2/labels/-1/label_usage_summary?adminDeviceSpaceId=1"</p> <ul style="list-style-type: none"> <li>• Replace &lt;core&gt; with the URL to your MonbileIron Corre environment.</li> <li>• Substitute -1 with the desired label id</li> <li>• Subsitute the "1" in adminDeviceSpaceId with the desired device space id.</li> </ul> <p>See <a href="#">"Get label usage information" on page 414</a> for more information.</p>
isESSearch	
devices	

Field	Description
deviceUuids	<p>This call always returns 0 (zero) for deviceUuids. To find the deviceUuids, use <a href="#">"Search for devices" on page 287</a>, for example, as follows:</p> <p>GET https://&lt;core&gt;/api/v2/ devices?adminDeviceSpaceId=1&amp;labelId=4&amp;fields=common.os_version,common.uuid</p> <ul style="list-style-type: none"> <li>• Replace &lt;core&gt; with the URL to your MonbileIron Corre environment.</li> <li>• Substitute 4 with the desired label id</li> <li>• Subsitute the "1" in adminDeviceSpaceId with the desired device space id.</li> </ul>
type	
rowType	
assetId	
assetName	

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password> 'https://<core>/api/v2/labels/-11?adminDeviceSpaceId=1'
```

### Response

```
{
  "results": {
    "uuid": null,
    "id": -11,
    "principal": null,
    "deviceSpaceId": 1,
    "deviceSpacePath": "/1/",
    "name": "OS X",
    "description": "Label for all OS X Devices.",
  }
}
```

```
"state": null,  
"staticLabel": false,  
"searchCriteria": [],  
"query": "\"common.platform\"=\"OS X\" AND \"common.retired\"=false",  
"deviceCount": 0,  
"isESSearch": "t",  
"devices": [],  
"deviceUuids": null,  
"type": "LABEL",  
"rowType": "SYSTEM",  
"assetId": "-11",  
"assetName": "OS X"  
}  
}
```

# Add/Edit a label

This call adds a new label or updates an existing label. You should send `-H "Content-Type: application/json"` with this call.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Label Management <b>Role Description:</b> Manage label

## HTTP method

POST

## Request URI

/api/v2/labels

## Request parameters

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

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

## Response fields

Field	Description
results	Array of the fields shown below.
uuid	
id	
principal	
deviceSpaceId	
deviceSpacePath	
name	
description	
state	
staticLabel	

Field	Description
searchCriteria	
query	
deviceCount	
isESSearch	
devices	
deviceUuids	
type	
rowType	
assetId	
assetName	

## Sample request and response

### Request

Edit the label with labelId of -10:

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json"
'https://<core>/api/v2/labels/?adminDeviceSpaceId=1' --data-binary '{
  "name": "Android 2",
  "description": "Label for all Android Phones.",
  "deviceSpaceId": 1,
  "static": false,
  "criteria": "(\"common.platform\"=\"Android\") AND \"common.retired\"=false",
  "labelId": "-10"
}'
```

### Response

```
{
  "results": {
    "uuid": null,
    "id": -10,
```

```
"principal": "miadmin",
"deviceSpaceId": 1,
"deviceSpacePath": "/1/",
"name": "Android 2",
"description": "Label for all Android Phones.",
"state": null,
"staticLabel": false,
"searchCriteria": [ ],
"query": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
"deviceCount": 0,
"isESSearch": "f",
"devices": [ ],
"deviceUuids": null,
"type": "LABEL",
"rowType": "ADMIN",
"assetId": "-10",
"assetName": "Android 2"
}
}
```

# Delete a label

This call deletes a label.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Label Management <b>Role Description:</b> Manage label

## HTTP method

DELETE

## Request URI

/api/v2/labels

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
-labelId	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number Note that you need to precede the value with a dash.	-11
reason	<b>Parameter Type:</b> Request body	No longer needed.



Parameter	Description	Sample Value
	<b>Data Type:</b> String Reason for deletion.	

## Response

200 OK

## Sample request and response

### Request

```
curl -k -sS -u <userName>:<password>  
'https://<core>/rest/api/v2/labels/?adminDeviceSpaceId=1' -X DELETE --data-binary '  
{\"reason\":\"No longer needed\",\"labelIds\":[-11]}
```

### Response

200 OK

# Get list of applied/non-applied static labels for devices

This call gets a list of applied/non-applied static labels for devices.

## Required Role

See "[Authentication](#)" on [page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Label Management <b>Role Description:</b> Manage label

## HTTP method

POST

## Request URI

/api/v2/devices/labels

## Request parameters

Parameter	Description	Sample Value
deviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
entityIds	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>A list of device ID for applied labels, empty for non-applied labels.</p>	1,98
query	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Name or description of label.</p>	Label for all Android Phones.
assignedOnly	<p>Required if editing an existing label. Omit if adding a new label.</p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p><b>Default:</b> false</p> <p>true to get only assigned labels, otherwise it returns both assigned or unassigned labels</p>	false
limit	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p><b>Min:</b> 0</p> <p>Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.</p>	

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

## Response 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	

Field	Description
description	
state	
searchCriteria	
applied	
notApplied	
isESSearch	

## Sample request and response

### Request

Edit the label with labelId of -10:

```
curl --globoff --user <userName>:<password> --data '{
  "entityIds": [
    1,
    98
  ],
  "offset": 0,
  "limit": 50,
  "page": 1
}' --request POST 'https://<core>/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,
    "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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Device Management <b>Role Description:</b> View device page, device details
<b>Category:</b> Label Management <b>Role Description:</b> View label

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Response fields

Field	Description
messages	
localizedMessage	
messageKey	
messageParameters	
type	
resultCount	
results	
description	
id	
name	
query	
staticLabel	
totalCount	

## Sample request and response

### Request

```
$ curl --user jsmith:Ab8fit28 --request GET 'https://{mobileiron-core}/api/v2/devices/1234b93e-ddb4-48d1-aea3-d2f0084b6b4d/labels?adminDeviceSpaceId=1'
```

### Response

```
{
  "messages": [
    {
      "localizedMessage": "4 Label(s) returned.",
      "messageKey": "com.mobileiron.vsp.rest.controllers.LabelControllerV2.Messages.LABELS_FOUND",
      "messageParameters": [
        4
      ]
    }
  ]
}
```



```

    ],
    "type": "Info"
  }
],
"resultCount": 4,
"results": [
  {
    "description": "Label for all Android Phones.",
    "id": -10,
    "name": "Android",
    "query": "\"common.platform\"=\"Android\" AND \"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "Label for all Company owned smartphones.",
    "id": -6,
    "name": "Company-Owned",
    "query": "\"common.owner\"=\"COMPANY\" AND \"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "Label for all devices irrespective of OS",
    "id": -1,
    "name": "All-Smartphones",
    "query": "\"common.retired\"=false",
    "staticLabel": false
  },
  {
    "description": "",
    "id": 3,
    "name": "android_static",
    "query": null,
    "staticLabel": true
  }
]

```

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

# Custom Attributes Management

# Get custom attribute definitions

This call gets all custom attribute definitions of the requested type, device or user, and the requested status, active or inactive.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Settings and Services Management <b>Role Description:</b> View logs and events

## HTTP method

GET

## Request URI

api/v2/attributes/definitions

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
type	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> String Type of attributes to return, device or user.	device
status	<b>Parameter Type:</b> Query	active

Parameter	Description	Sample Value
	<b>Data Type:</b> String Restricts the returned list to definitions of a specific status, active or inactive.	
keyword	<b>Parameter Type:</b> Query <b>Data Type:</b> String Restricts returned list to definitions containing the specified keyword in name or description.	platform

## 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://<core>/api/v2/attributes/definitions?type=device&adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "resultCount": 2,
  "totalCount": 2,
  "messages": [
    {
      "localizedMessage": "Attribute definitions successfully fetched.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.definitions.success",
      "type": "Info"
    }
  ],
  "results": [
    {
      "modifiedAt": 1463183668000,
      "createdAt": 1463181777000,
      "description": "just testing",
      "name": "flag1",
      "dataType": "BOOLEAN",
      "status": "ACTIVE",
      "type": "DEVICE",
      "id": 21
    },
    {
      "modifiedAt": 1463176881000,
      "createdAt": 1463172337000,
      "description": "just testing",
      "name": "testAttr1",
      "dataType": "LONG",
      "status": "INACTIVE",
      "type": "DEVICE",
      "id": 6
    }
  ]
}
```

}

# Get custom attribute definition

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

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Settings and Services Management <b>Role Description:</b> Manage custom attributes

## HTTP method

GET

## Request URI

api/v2/attributes/definitions/{id}

## Request parameters

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



## Response fields

Field	Description
resultCount	The number of entries that are being returned.
totalCount	The total number of entries that the query matched.
messages	Container for messages.
localizedMessage	Localized message with parameters resolved.
messageKey	Message key.
type	Message type.
results	Container for results
modifiedAt	When modified.
createdAt	When created.
description	Description of the custom attribute.
name	Name of the custom attribute.
dataType	Data 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 custom attribute.

## Sample Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://<core>/api/v2/attributes/definitions/2'
```

## Sample Responses

```
{
  "resultCount": 1,
  "totalCount": 1,
  "messages": [
    {
      "localizedMessage": "Attribute definitions successfully fetched.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.definitions.success",
```

```
    "type": "Info"
  }
],
"results": {
  "modifiedAt": 1462571401000,
  "createdAt": 1462571401000,
  "description": "this space for rent",
  "name": "stringAttr1",
  "dataType": "STRING",
  "status": "ACTIVE",
  "type": "USER",
  "id": 2
}
}
```

# Create custom attribute definition

This call creates a custom attribute definition. Note that you cannot create more than 300 custom attribute definitions.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Settings and Services Management <b>Role Description:</b> Manage custom attributes

## HTTP method

POST

## Request URI

api/v2/attributes/definitions

## Request parameters

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

Parameter	Description	Sample Value
	<b>Data Type:</b> String Name of the custom attribute to create.	
dataType	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> String Data type of the custom attribute to create. Three possible types: <ul style="list-style-type: none"> <li>• BOOLEAN</li> <li>• LONG</li> <li>• STRING</li> </ul>	long
type	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> 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",
  "name": "testAttr2",
  "dataType": "long",
  "type": "device"
}
```

```
}' -XPOST 'https://<core>/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Settings and Services Management
<b>Role Description:</b> Manage custom attributes

## HTTP method

PUT

## Request URI

api/v2/attributes/definitions/{id}

## Request parameters

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

Parameter	Description	Sample Value
	<b>Data Type:</b> String Updated status of the custom attribute, active or inactive.	

## Response fields

Field	Description
messages	Container for messages.
localizedMessage	Localized message with parameters resolved.
messageKey	Message key.
type	Message type.

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "description": "new description"
}' -XPUT 'https://<core>/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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/attributes/device/{uuid}

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
uuid	<b>Required</b> <b>Parameter Type:</b> Request path <b>Data Type:</b> 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.
	...

## Sample Request

```
curl -k -sS -u <userName>:<password> -XGET  
'https://<core>/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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Device Management <b>Role Description:</b> Edit custom device attribute values

## HTTP method

POST

## Request URI

api/v2/attributes/device

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
uuids	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>uuids of the devices whose custom attributes to set.</p>	"136da21e-9e95-4ea2-8b51-343297c58d8b", "ada0e9cd-ca15-49f6-98a8-3d304b83809f"
attributes	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>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.</p>	{ "flag1": "true", "flag2" : "false" }

## Response fields

Field	Description
messages	Container for messages.
localizedMessage	Localized message with parameters resolved.
messageKey	Message key.
type	Message type.
results	Container for results.
deleteCount	How many values deleted as a result of this call.
assignCount	How many values assigned as a result of this call.
invalidUuids	List of invalid uuids.

## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "uuids": ["136da21e-9e95-4ea2-8b51-343297c58d8b", "ada0e9cd-ca15-49f6-98a8-3d304b83809f"],
  "attributes": { "flag1": "true", "flag2" : "false" }
}' -XPOST 'https://<core>/api/v2/attributes/device?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values set successfully.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.set.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "deleteCount": 0,
    "assignCount": 4,
    "invalidUuids": [ ]
  }
}
```

# Get custom attributes for a user

This call gets all custom attribute definitions for the user corresponding to the value you send with the uuid parameter.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

## HTTP method

GET

## Request URI

api/v2/attributes/user/{uuid}

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
uuid	<b>Required</b> <b>Parameter Type:</b> Request path <b>Data Type:</b> 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://<core>/api/v2/attributes/user/a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values successfully fetched.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.get.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "userString1": "Woof!",
    "userLong1": "42"
  }
}
```

# Set user custom attributes

This call sets user custom attributes.

## Required Role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Edit custom user attribute values

## HTTP method

POST

## Request URI

api/v2/attributes/user

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
uuids	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>uuids of the users whose custom attributes to set.</p>	"c9d3a454-c1b9-4922-a381-932823d0c0e5", "28df8c43-20e0-44f3-9771-d526cc854e33", "a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5"
attributes	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>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.</p>	"userString1": "Woof!", "userLong1" : ""

## Response fields

Field	Description
messages	Container for messages.
localizedMessage	Localized message with parameters resolved.
messageKey	Message key.
type	Message type.
results	Container for results.
deleteCount	How many values deleted as a result of this call.
assignCount	How many values assigned as a result of this call.
invalidUuids	List of invalid uuids.



## Sample Request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "uuids": ["c9d3a454-c1b9-4922-a381-932823d0c0e5", "28df8c43-20e0-44f3-9771-d526cc854e33",
  "a5eb8acb-5fad-4b59-b2bf-b98d04fc61c5"],
  "attributes": { "userString1": "Woof!", "userLong1" : "" }
}' -XPOST 'https://<core>/api/v2/attributes/user?adminDeviceSpaceId=1'
```

## Sample Responses

```
{
  "messages": [
    {
      "localizedMessage": "Attribute values set successfully.",
      "messageKey": "com.mobileiron.vsp.messages.custom.attributes.set.values.success",
      "type": "Info"
    }
  ],
  "results": {
    "deleteCount": 3,
    "assignCount": 3,
    "invalidUuids": [ ]
  }
}
```

# Certificate Management

# Export certificate details to a CSV file

Export Certificate Details to CSV: Certificate details export involves several API calls:

- ["Initiate the processing of certificate details to be exported" below:](#)  
GET api/v2/certificates/search\_export
- ["Get status of the export process" on page 462:](#)  
GET api/v2/certificates/search\_export\_status
- ["Download the CSV file" on page 464:](#)  
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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, View certificates

### HTTP method

POST

### Request URI

api/v2/certificates/search\_export

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
ceSettingName	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Certificate enrollment configuration name.</p>	LccaICE
certificateStatus	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Status of the target certificate.</p> <p>Can be one of:</p> <ul style="list-style-type: none"> <li>• ACTIVE</li> <li>• EXPIRED</li> <li>• PENDING_REVOCATION</li> <li>• MANUAL_REVOCATION_REQUIRED</li> <li>• REVOKED</li> <li>• SENT</li> <li>• WAITING_SEND</li> <li>• GENERATING</li> <li>• HIGH_GENERATING</li> </ul>	ACTIVE
userId	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>User ID associated with the target certificates.</p>	
deviceUUID	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p>	5f1db255-8d3d-4943-8bab-d556cacce855

Parameter	Description	Sample Value
	Device uuid associated with the target certificates.	
expiresAfter	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Date</p> <p>Gets certificates that are going to expire after this date.</p>	<p>The values are expressed milliseconds since Unix epoch time.</p> <p>Example:</p> <p>1785823788000 is epoch time for Tue, 04</p>
expiresBefore	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Date</p> <p>Gets certificates that are going to expire before this date.</p>	<p>The values are expressed milliseconds since Unix epoch time.</p> <p>Example:</p> <p>1785823788000 is epoch time for Tue, 04</p>

## 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 '{
  "ceSettingName": "LocalCE", "certificateStatus": "ACTIVE"}'
'https://<core>/api/v2/certificates/search_export?adminDeviceSpaceId=1'
```

## Sample Responses

Success:

```
{
```

```

"results": {
  "exportStatusPollUrl": "/api/v2/certificates/search_export_status",
  "csvDownloadUrl": "/api/v2/certificates/search_download_csv"
},
"messages": [
  {
    "type": "Info",
    "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.PROCESS_
INITIATED",
    "localizedMessage": "Certificate details export process initiated successfully",
    "messageParameters": [ ]
  }
]
}

```

If the process is already initiated:

```

{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.PROCESS_
INITIATED",
      "localizedMessage": "Certificate details export is already progress. It might be issued
by a different user",
      "messageParameters": [ ]
    }
  ]
}

```

## Get status of the export process

This call gets the status of the certificate details export process.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, view certificates
<b>Category:</b> Device Management <b>Role Description:</b> View dashboard, device page, device details

## HTTP method

GET

## Request URI

api/v2/certificates/search\_export\_status

## Request parameters

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

## Response fields

Field	Description
Results	Container for results.
	Boolean value that indicates whether the audit logs processing is progressing or not.
	Audit Logs processing status/progress message. "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://<core>/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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.



Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, View certificates
<b>Category:</b> Device Management <b>Role Description:</b> View dashboard, device page, device details

## HTTP method

GET

## Request URI

api/v2/certificates/search\_download\_csv

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://<core>/api/v2/certificates/search_download_csv?adminDeviceSpaceId=1'
```

# Search/Retrieve certificate details

This call returns a list of certificate details.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, View certificates
<b>Category:</b> Device Management <b>Role Description:</b> View dashboard, device page, device details

## HTTP method

GET

## Request URI

api/v2/certificates/search

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
ceSettingName	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>This is the certificate enrollment configuration name.</p>	LocalICE
certificateStatus	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>Status of the target certificate.</p> <p>Can be one of:</p> <ul style="list-style-type: none"> <li>• ACTIVE</li> <li>• EXPIRED</li> <li>• PENDING_REVOICATION</li> <li>• MANUAL_REVOICATION_REQUIRED</li> <li>• REVOKED</li> <li>• SENT</li> <li>• WAITING_SEND</li> <li>• GENERATING</li> <li>• HIGH_GENERATING</li> </ul>	ACTIVE
userId	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> String</p> <p>User ID associated with the target certificates.</p>	

Parameter	Description	Sample Value
deviceUUID	<b>Parameter Type:</b> Request body <b>Data Type:</b> String Device uuid associated with the target certificates.	5f1db255-8d3d-4943-8bab-d556cacce855
expiresAfter	<b>Parameter Type:</b> Request body <b>Data Type:</b> 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	<b>Parameter Type:</b> Request body <b>Data Type:</b> 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
results	An array of certificate objects.
id	
serialNumber	
type	
trash	
expiredAt	
createdAt	
userId	
deviceId	
deviceUuid	
localCAId	
ceSettingName	

Field	Description
certificateStatus	
celd	
consumerAppSettings	
messages	Container for messages.
type	Message type.
messageKey	Message key.
localizedMessage	Localized message with parameters resolved.
messageParameters	
resultCount	The number of entries that are being returned.

## Sample request and response

### Request

```
curl -k -sS -u userName>:<password> -XPOST -H "Content-Type: application/json" -d '{
  "adminDeviceSpaceId":1,"ceSettingName":"LocalCE","certificateStatus":"ACTIVE"}'
'https://<core>/api/v2/certificates/search'
```

### Response

```
{
  "results": [
    {
      "id": 2,
      "serialNumber": 102,
      "type": "Centralized",
      "trash": true,
      "expiredAt": "2017-04-18",
      "createdAt": "2016-04-18",
      "userId": 9002,
      "deviceId": 1,
      "deviceUuid": null,
      "localCAId": 3,
```

```
    "ceSettingName": "LocalCE",
    "certificateStatus": "ACTIVE",
    "ceId": 8,
    "consumerAppSettings": [
      8
    ]
  },
  ...
],
"messages": [
  {
    "type": "Info",
    "messageKey":
"com.mobileiron.vsp.rest.controllers.CertificateManagementController.Messages.SUCCESS",
    "localizedMessage": "Certificates successfully retrieved",
    "messageParameters": [ ]
  }
],
"resultCount": 6
}
```

# Managing user certificates

You use the following calls to:

- Upload user-provided certificates
- Delete user-provided certificates
- Get list of user provided certificate enrollment ID information with associated certificate details
- Get list of all user provided certificate enrollment IDs' information with associated certificate details.

## Error checking and validation

- Core 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.
- Core 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.
- Core verifies if the supplied Certificate Enrollment ID (CEid) is a valid user provided configuration and generates an error message if it is not.
- Core verifies if the supplied userId is a valid user principal and generates an error message if it is not.
- Core will display an error message with response code 410 if the V1 API for managing user-provided certificates is used.

## Upload user-provided certificate

Use this call to upload a user-provided certificate.

**Note:** Only upload version 3 and above certificates. If you upload version 2 or below certificates, then you may encounter issues when using Core. 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

/api/v2/configuration/CE/USER\_PROVIDED/{CEid}/uploadCertificate



## Request parameters

Parameter	Description	Sample Value
CEid	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query path</p> <p><b>Data Type:</b> String</p> <p>Internal certificate ID</p> <p>To find the value for CEid, use the call, "<a href="#">Get CE configuration information</a>" on page 488.</p>	10
file	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request payload</p> <p><b>Data Type:</b> Multi-part file</p> <p>The location of the certificate p12 file</p>	@//Users/patluri/Downloads/MIQAMDMPProduction.p12
principal	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request payload</p> <p><b>Data Type:</b> String</p> <p>Username of the certificate owner</p> <p>See the note below about usernames containing special characters.</p>	-F principal='theadmin'
password	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request payload</p> <p><b>Data Type:</b> String</p> <p>Form-encoded string</p>	-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 miadmin:Mi4man11 'https://<core>/api/v2/configuration/CE/USER_PROVIDED/10/uploadCertificate' -X POST -F file=@//Users/patluri/Downloads/MIQAMDMPProduction.p12 -F password='xyzsdmobile' -F principal='theadmin'
```

## Sample Response

```
{
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCESS_UPLOAD",
      "localizedMessage": "Certificate successfully uploaded."
    }
  ]
}
```

## Delete user-provided certificates

Use this call to delete a user-provided certificate.

## Required Roles

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management
<b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

api/v2/configuration/CE/USER\_PROVIDED/{CEid}/deleteCertificate

## Request parameters

Parameter	Description	Sample Value
CEid	<b>Required</b> <b>Parameter Type:</b> Query path <b>Data Type:</b> String Internal certificate ID.	10
userId	<b>Required</b> <b>Parameter Type:</b> Request payload <b>Data Type:</b> 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://<core>/api/v2/configuration/CE/USER_PROVIDED/10/deleteCertificate' -d '{"userId":
"theadmin"}'
```

## 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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

api/v2/configuration/CE/USER\_PROVIDED/{CEid}/getCertificate

## Request parameters

Parameter	Description	Sample Value
CEid	<b>Required</b> <b>Parameter Type:</b> Query path <b>Data Type:</b> String Internal certificate ID.	10
userId	<b>Required</b> <b>Parameter Type:</b> Request payload <b>Data Type:</b> 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://<core>/api/v2/configuration/CE/USER_PROVIDED/10/getCertificate' -d '{"userId":  
"theadmin"}'
```

## Sample Response

```
{  
  "results": {  
    "id": null,  
    "version": "3",  
    "serialNumber": "xxx4493327816883622",  
    "signatureAlgorithm": "SHA256WITHRSA",
```

```

    "issuer": "C=US, O=Apple Inc., OU=Apple Certification Authority, CN=Apple Application
Integration 2 Certification Authority",
    "notBefore": 1573162384000,
    "notAfter": 1604698384000,
    "subject": "C=US, CN=APSP:9c3811ce-0ff0-4272-be0b-2df8f1f85bb5,
UID=com.apple.mgmt.External.9c3811ce-0ff0-4272-be0b-2df8f1f85bb5",
    "subjectAltNames": null,
    "cert": null,
    "certType": null,
    "alias": null,
    "certData": null,
    "createdAt": null,
    "modifiedAt": null,
    "commonName": "APSP:xxx811ce-0ff0-4272-be0b-2df8f1f85bb5",
    "iPhoneUID": null,
    "iPhoneDevelopmentAPNSCert": false,
    "identity": false,
    "validTimeLine": false
  },
  "messages": [
    {
      "type": "Info",
      "messageKey":
"com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCESS_
GET_CERTIFICATE",
      "localizedMessage": "Certificate successfully retrieved."
    }
  ]
}

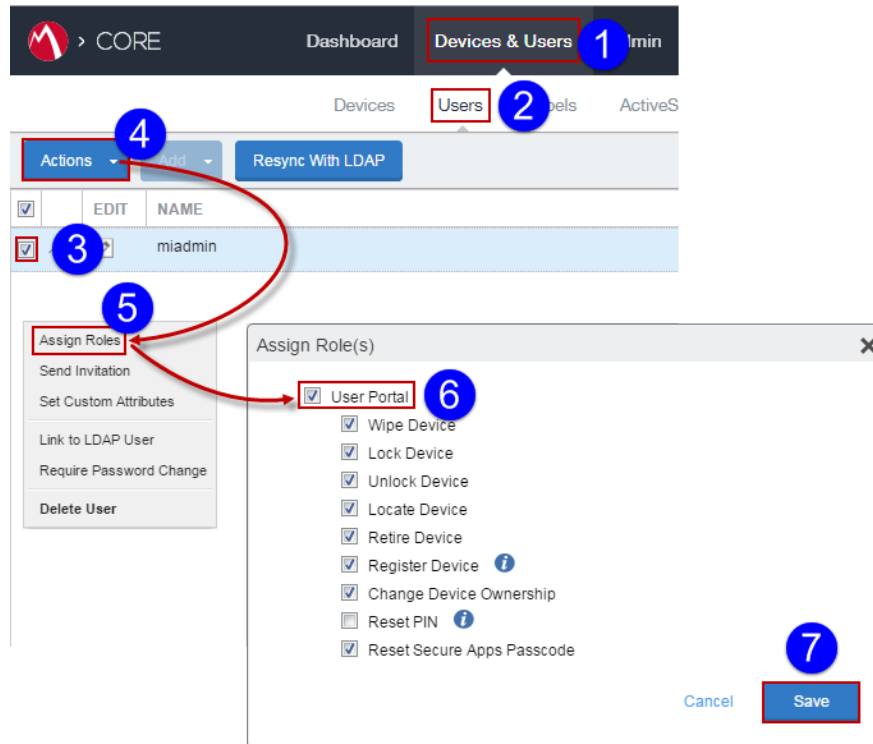
```

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

This call gets a list of all user provided certificate enrollment IDs information with associated certificate details.

## Required Roles

You need to have access to the User Portal for this call.



## HTTP method

POST

## Request URI

api/v2/configuration/CE/USER\_PROVIDED/all/getAllUserProvidedCertificateDetails

## Request parameters

Parameter	Description	Sample Value
userId	<b>Required</b> <b>Parameter Type:</b> Request payload <b>Data Type:</b> 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://<core>/api/v2/configuration/CE/USER_  
PROVIDED/all/getAllUserProvidedCertificateDetails' -d '{"userId": "theadmin"}'
```

## Sample Response

```
{  
  "results": [  
    {  
      "ceId": 10,  
      "certificateId": 11,  
      "requirePassword": true,  
      "displayName": "testUserProv",  
      "certificateExpirationDate": 1604698384000,  
      "certificateUploadedDate": 1577964355000,  
      "isPkcs12": true
```



```
    }  
  ],  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey":  
      "com.mobileiron.vsp.rest.controllers.UserProvidedCertificatesControllerV2.Messages.SUCCESS_  
      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 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, View certificates

### HTTP method

GET

### Request URI

`api/v2/certificateCheckJob/attemptRevokeForPendingRevocation/status`

### Sample request

```
curl -k -sS -u <username>:<password> -XGET  
'https://core/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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management
<b>Role Description:</b> Manage certificates, View certificates

## HTTP method

POST

## Request URI

api/v2/certificateCheckJob/attemptRevokeForPendingRevocation

## Response fields

Field	Description
messages	Container for response.
type	Message type.
messageKey	Message key.
localizedMessage	Localized message with parameters resolved.

## Sample Request

```
curl -k -sS -u <username>:<password> -XPOST  
'https://core/api/v2/certificateCheckJob/attemptRevokeForPendingRevocation'
```

## Sample Response

```
{  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey": "com.mobileiron.vsp.messages.http.200",  
      "localizedMessage": "Success"  
    }  
  ]  
}
```

# Get SCEP configuration information

This call gets SCEP configuration information for the provided sub-type.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

GET

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
appsubtype	<p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> String</p> <p>The sub-type about which to fetch information.</p> <p>Can be:</p> <ul style="list-style-type: none"> <li>• BLUE_COAT</li> <li>• CLIENT_PROVIDED</li> <li>• USER_PROVIDED</li> <li>• ENTRUST</li> <li>• GLOBAL_SIGN,LOCAL</li> <li>• OPEN_TRUST</li> <li>• SCEP,SINGLE_FILE_IDENTITY</li> <li>• SYMANTEC_MANAGED_PKI</li> <li>• SYMANTEC_WS_MANAGED_PKI</li> </ul>	USER_PROVIDED

## Response fields

Field	Description
results	
name	
value	
appType	
appSubType	
rowType	
resultCount	

## Sample request

```
curl -k -sS -u <username>:<password> -XGET 'https://<core>/api/v2/configuration/SCEP/USER_PROVIDED/summary'
```

## Sample response

```
{ "results":  
  [  
    {  
      "name": "user-provided",  
      "value": "10",  
      "appType": "SCEP",  
      "appSubType": "USER_PROVIDED",  
      "rowType": "ADMIN"  
    }  
  ],  
  "resultCount": 1  
}
```

# Get CE configuration information

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

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Logs and Events Management <b>Role Description:</b> Manage certificates, View certificates

## HTTP method

GET

## Request URI

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



## Request parameters

Parameter	Description	Sample Value
caprotocol	<p><b>Required</b></p> <p><b>Parameter Type:</b> Path</p> <p><b>Data Type:</b> String</p> <p>The sub-type about which to fetch information.</p> <p>Can be:</p> <ul style="list-style-type: none"> <li>• BLUE_COAT,</li> <li>• CLIENT_PROVIDED,</li> <li>• USER_PROVIDED,</li> <li>• ENTRUST,</li> <li>• GLOBAL_SIGN,LOCAL,</li> <li>• OPEN_TRUST,</li> <li>• SCEP,SINGLE_FILE_IDENTITY,</li> <li>• SYMANTEC_MANAGED_PKI,</li> <li>• SYMANTEC_WS_MANAGED_PKI</li> </ul>	USER_PROVIDED

## Response fields

Field	Description
results	
name	
value	
appType	
appSubType	
rowType	
resultCount	

## Sample request

```
curl -k -sS -u <username>:<password> -XGET 'https://<core>/api/v2/configurations/CE/USER_PROVIDED'
```

## Sample response

```
{ "results":  
  [  
    {  
      "name": "user-provided",  
      "value": "10",  
      "appType": "SCEP",  
      "appSubType": "USER_PROVIDED",  
      "rowType": "ADMIN"  
    }  
  ],  
  "resultCount": 1  
}
```

# Search for users without certificates

This call searches for users without certificates.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
CEID	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Number The id of the certificate enrollment configuration	32

## Response fields

Field	Description
results	
id	
principal	
displayName	
firstName	
lastName	
emailAddress	
messages	
type	
messageKey	
localizedMessage	
resultCount	

## Sample request

```
curl -k -sS -u <username>:<password> -XPOST  
'https://<core>/api/v2/configurations/CE/32/users/withnocerts/search'
```

## Sample response

```
{  
  "results": [  
    {  
      "id": 9001,  
      "principal": "miadmin",  
      "displayName": "miadmin",  
      "firstName": null,  
      "lastName": null,  
      "emailAddress": "miadmin@mobileiron.com"  
    }  
  ],  
}
```

```
"messages":[
  {
    "type":"Info",

    "messageKey":"com.mobileiron.vsp.rest.controllers.UserAndDeviceSummaryController.Messages.SUCCESS_GET_USERS_DETAILS",
    "localizedMessage":"User details successfully retrieved."
  }
],
"resultCount":1
}
```

# Export summary for users without certificates

This call exports the summary for users without certificates.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
CEID	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> 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://<core>/api/v2/configurations/CE/10/users/withnocerts/search_export'
```

## Sample response

```
{  
  "results": {  
    "exportStatusPollUrl": "/api/v2/configurations/CE/9/users/withnocerts/search_export_status",  
    "csvDownloadUrl": "/api/v2/configurations/CE/9/users/withnocerts/search_download_csv"  
  },  
  "messages": [  
    {  
      "type": "Info",  
      "messageKey":  
"com.mobileiron.vsp.rest.controllers.UserAndDeviceSummaryController.Messages.PROCESS_INITIATED",  
      "localizedMessage": "User details export process initiated successfully."  
    }  
  ]  
}
```

# Export status summary for users without certificates

This call exports the status summary for users without certificates.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

POST

## Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search\_export\_status

## Request parameters

Parameter	Description	Sample Value
CEID	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> 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://<core>/api/v2/configurations/CE/10/users/withnocerts/search_export_status'
```

## Sample response

```
{  
  "results": {  
    "isRunning": false,  
    "exportStatusMsg": "success",  
    "csvFileName": "/mi/tomcat/temp/userdetails-3531617505787171123.csv",  
    "isExportStatusAvailable": true,  
    "initiatedAt": 1503354251055  
  }  
}
```

# Download summary for users without certificates

This call downloads the user summary for users without certificates.

## Required Roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> User Management <b>Role Description:</b> Manage user

## HTTP method

GET

## Request URI

api/v2/configurations/CE/{CEID}/users/withnocerts/search\_download\_csv

## Request parameters

Parameter	Description	Sample Value
CEID	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> Number The id of the certificate enrollment configuration	10

## Sample request

```
curl -o output.csv -k -sS -u <username>:<password> -XGET -H "Content-Type: text/csv" 'https://<core>/api/v2/configurations/CE/10/users/withnocerts/search_download_csv'
```

# Feature Usage

Feature usage reports contain global and per device premium feature usage. There is no personally identifiable information in the reports. Devices and users are identified only by their internal UUIDs. Feature usage reports run automatically every Monday morning at 00:00:00 GMT. Core 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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Other Roles <b>Role Description:</b> View device feature usage data

## HTTP method

GET

## Request URI

api/v2/featureusage\_history

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> 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://<core>/api/v2/featureusage_
history?adminDeviceSpaceId=1"
```

### Response

```
{
  "totalCount": 1,
  "resultCount": 1,
  "hasMore": false,
  "results": [
    {
      "dataFileName": "manual220.auto.mobileiron.com_20160807000000",
      "dataFileDate": "2016-08-07 00:00:00"
    }
  ]
}
```

# Get API feature usage

This API returns the contents of the specified feature usage data file. If no data file is specified, the call returns the latest file contents.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> Other Roles <b>Role Description:</b> View device feature usage data

## HTTP method

GET

## Request URI

api/v2/featureusage

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>The effective device space ID to become when searching for devices, to which the user must belong to search for devices. The feature usage data contains entries for all active devices, which requires the user be a member of the Global space. Global space is always 1.</p>	1
format	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p><b>Default:</b> json</p> <p>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".</p>	csv
datafile	<p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> String</p> <p>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.</p>	app993.auto.mobileiron.com_20160411182400

## Response fields

Field	Description
Core Information Fields	
coreFQDN	The external Core FQDN.
coreVersion	The Core 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.

Field	Description
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 MobileIron Web@Work configurations are associated with the device.
featureTunnel	Indicates if one or more VPN configurations containing a MobileIron Tunnel connection type are associated with the device.
featureIdentity	Indicates if one or more Single Sign-On Account configurations are associated with the device.

## Sample requests and response

### Requests

```
curl -X GET -u <userName>:<password>
"https://<core>/api/v2/featureusage?adminDeviceSpaceId=1"
```

```
curl -X GET -u <userName>:<password>
"https://<core>/api/v2/featureusage?format=csv&datafile=app993.auto.mobileiron.com_20160411182400&adminDeviceSpaceId=1"
```



## Response to first example

```
{
  "coreFQDN": "manual220.auto.mobileiron.com",
  "coreVersion": "9.1",
  "coreId": "fd1caa40-3491-4b27-b721-f82763f67967",
  "coreLicenseKey": "demo-key",
  "reportRun": "2016-08-07 00:00:00",
  "featuresGlobal": {
    "userPortalCertAuth": false,
    "helpIos": true,
    "helpAndroid": false
  },
  "featuresDevices": [
    {
      "deviceUUID": "337f198a-f1bf-43a9-bc5e-09965e2a7124",
      "userUUID": "00b92e54-3374-469e-9996-b724b45a848a",
      "registeredAt": "2016-08-06 19:11:34",
      "platform": "Windows Phone 8",
      "featureAppConnect": "false",
      "featureDocs": "false",
      "featureDocsAC": "false",
      "featureWeb": "false",
      "featureTunnel": "true",
      "featureIdentity": "false"
    },
    ....
    {
      "deviceUUID": "7152a6bd-fc0e-4b42-85f7-2fcfee07f69a",
      "userUUID": "feb58faa-e52c-4e80-a9bf-5b11d9d15b6d",
      "registeredAt": "2016-08-06 06:08:01",
      "platform": "iOS",
      "featureAppConnect": "false",
      "featureDocs": "true",
      "featureDocsAC": "false",
```

```
"featureWeb": "false",  
"featureTunnel": "false",  
"featureIdentity": "false"  
}  
]  
}
```

# Compliance Actions

# List all compliance actions

Gets a list of existing compliance actions.

## Required roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Role Description:</b> View compliance policy

## HTTP method

GET

## Request URI

api/v2/compliance\_action

## Request parameters

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

## Response fields

Field	Description
results	
id	
name	
localCompliancefalse	
createdAt	
modifiedAt	
tiers	
delay	
complianceSettings	
wipe	
quarantine	
block	
alert	
quarantineSettings	
removeWifi	
removeConfigurations	
excludeWifiOnly	
removeApps	
totalCount	
resultCount	

## Sample request

```
curl -k -sS -u <userName>:<password> -XGET 'https://<core>/api/v2/compliance_
action?adminDeviceSpaceId=1'
```

## Sample response

```
{
```

```
"results": [
  {
    "id": 2,
    "name": "Block Email, AppConnect apps, and Send Alert",
    "localCompliance": false,
    "createdAt": 0,
    "modifiedAt": 0,
    "tiers": [
      {
        "delay": "PT0S",
        "complianceSettings": {
          "wipe": false,
          "quarantine": false,
          "block": true,
          "alert": true
        },
        "quarantineSettings": {
          "removeWifi": false,
          "removeConfigurations": false,
          "excludeWifiOnly": false,
          "removeApps": false
        }
      }
    ]
  },
  {
    "id": 1,
    "name": "Send Alert",
    "localCompliance": false,
    "createdAt": 0,
    "modifiedAt": 0,
    "tiers": [
      {
        "delay": "PT0S",
```

```
    "complianceSettings": {
      "wipe": false,
      "quarantine": false,
      "block": false,
      "alert": true
    },
    "quarantineSettings": {
      "removeWifi": false,
      "removeConfigurations": false,
      "excludeWifiOnly": false,
      "removeApps": false
    }
  ]
}
],
"totalCount": 2,
"resultCount": 2
}
```

# Create a compliance action

Creates a compliance action. With this call, you specify the name of the compliance action and then the data for the tiers, including any enforcement delays.

## Required roles

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

POST

## Request URI

api/v2/compliance\_action



## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b>  <b>Parameter Type:</b> Query  <b>Data Type:</b> Number            Device space ID of the administrator.</p>	1
name	<p><b>Required</b>  <b>Parameter Type:</b> Request body  <b>Data Type:</b> Text            Name of the tiered compliance action.</p>	Three tiers 12 hour then 1 day delay
localCompliance	<p><b>Parameter Type:</b> Request body  <b>Data Type:</b> Boolean            Can be true or false. Specifies whether Core enforces the first tier on the device if possible.</p>	true
tiers	<p><b>Required</b>  <b>Parameter Type:</b> Request body  <b>Data Type:</b> Container for the tiers data.</p>	n/a
delay	<p><b>Parameter Type:</b> Request body  <b>Data Type:</b> text.            Specifies the delay time. Formatted as <a href="#">ISO8601 durations</a>.</p>	PT12H
complianceSettings	<p><b>Required</b>  <b>Parameter Type:</b> Request body  <b>Data Type:</b> Container for the compliance settings data.</p>	n/a
quarantine	<p><b>Parameter Type:</b> Request body  <b>Data Type:</b> Boolean            Can be true or false.</p>	true
wipe	<p><b>Parameter Type:</b> Request body  <b>Data Type:</b> Boolean            Can be true or false.</p>	true

Parameter	Description	Sample Value
	Only for Android devices on which the custom ROM setting is enabled.	
block	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
alert	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
quarantineSettings	<b>Parameter Type:</b> Request body <b>Data Type:</b> Container for the quarantine settings data.	n/a
removeConfigurations	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
excludeWifiOnly	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
removeWifi	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
removeApps	<b>Parameter Type:</b> Request body <b>Data Type:</b> 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

Field	Description
localizedMessage	Text of the returned message
totalCount	How many records found
resultCount	How many records displayed

## Sample request

```
curl -k -sS -u <userName>:<password> -H "Content-Type: application/json" --data '{
  "name": "Three tiers 12 hour then 1 day delay",
  "localCompliance": false,
  "tiers": [
    {
      "complianceSettings": {
        "quarantine": false,
        "wipe": false,
        "block": false,
        "alert": true
      },
      "quarantineSettings": {
        "removeConfigurations": false,
        "excludeWifiOnly": false,
        "removeWifi": false,
        "removeApps": false
      }
    },
    {
      "delay": "PT12H",
      "complianceSettings": {
        "quarantine": false,
        "wipe": false,
        "block": true,
        "alert": false
      },
      "quarantineSettings": {
```

```

    "removeConfigurations": false,
    "excludeWifiOnly": false,
    "removeWifi": false,
    "removeApps": false
  }
},
{
  "delay": "P1D",
  "complianceSettings": {
    "quarantine": true,
    "wipe": false,
    "block": false,
    "alert": false
  },
  "quarantineSettings": {
    "removeConfigurations": true,
    "excludeWifiOnly": true,
    "removeWifi": true,
    "removeApps": false
  }
}
]
}' -XPOST 'https://<core>/api/v2/compliance_action?adminDeviceSpaceId=1'

```

## Sample response

```

{
  "results":9,
  "messages":[
    {
      "type":"Info",

      "messageKey":"com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.CREATE_
SUCCESS",
      "localizedMessage":"Compliance action created successfully."
    }
  ]
}

```

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

# Update a compliance action

Updates a compliance action.

## Required roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

PUT

## Request URI

*api/v2/compliance\_action/id*

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>Device space ID of the administrator.</p>	1
id	<p><b>Required</b></p> <p><b>Parameter Type:</b> Query</p> <p><b>Data Type:</b> Number</p> <p>ID of the compliance action to update.</p>	9
name	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Text</p> <p>Name of the tiered compliance action.</p>	Three tiers 5 minute delays
localCompliance	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Boolean</p> <p>Can be true or false. Specifies whether Core enforces the first tier on the device if possible.</p>	true
tiers	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> Container for the tiers data.</p>	n/a
delay	<p><b>Parameter Type:</b> Request body</p> <p><b>Data Type:</b> text.</p> <p>Specifies the delay time. Formatted as <a href="#">ISO8601 durations</a>.</p> <p>You cannot set delay time as less than 4 hours or greater than ninety days without adding the "compliance.restrict.delay.values" property in the mifs.properties file. This values can be changed within the allowed interval in the user interface.</p>	PT5M
complianceSettings	<p><b>Required</b></p> <p><b>Parameter Type:</b> Request body</p>	n/a

Parameter	Description	Sample Value
	<b>Data Type:</b> Container for the compliance settings data.	
quarantine	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
wipe	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false. Only for Android devices on which the custom ROM setting is enabled.	true
block	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
alert	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
quarantineSettings	<b>Parameter Type:</b> Request body <b>Data Type:</b> Container for the quarantine settings data.	n/a
removeConfigurations	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
excludeWifiOnly	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
removeWifi	<b>Parameter Type:</b> Request body <b>Data Type:</b> Boolean Can be true or false.	true
removeApps	<b>Parameter Type:</b> Request body <b>Data Type:</b> 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 '{
  "name": "Three tiers 5 minute delays",
  "localCompliance": false,
  "tiers": [
    {
      "complianceSettings": {
        "quarantine": false,
        "wipe": false,
        "block": false,
        "alert": true
      },
      "quarantineSettings": {
        "removeConfigurations": false,
        "excludeWifiOnly": false,
        "removeWifi": false,
        "removeApps": false
      }
    },
    {
      "delay": "PT5M",
      "complianceSettings": {
```

```

    "quarantine": false,
    "wipe": false,
    "block": true,
    "alert": false
  },
  "quarantineSettings": {
    "removeConfigurations": false,
    "excludeWifiOnly": false,
    "removeWifi": false,
    "removeApps": false
  }
},
{
  "delay": "PT5M",
  "complianceSettings": {
    "quarantine": true,
    "wipe": false,
    "block": false,
    "alert": false
  },
  "quarantineSettings": {
    "removeConfigurations": true,
    "excludeWifiOnly": true,
    "removeWifi": true,
    "removeApps": false
  }
}
]
}' -XPUT 'https://<core>/api/v2/compliance_action/9?adminDeviceSpaceId=1'

```

## Sample response

```

{
  "results":9,
  "messages":[

```

```
{
  "type": "Info",

  "messageKey": "com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.UPDATE_
SUCCESS",
  "localizedMessage": "Compliance action updated successfully."
}
],
"totalCount": 1,
"resultCount": 1
}
```

# Get information about a compliance action

Gets information about a specific compliance action.

## Required roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Role Description:</b> View compliance policy

## HTTP method

GET

## Request URI

`api/v2/compliance_action/id`

## Request parameters

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

## Response fields

Field	Description
results	
id	
name	
localCompliancefalse	
createdAt	
modifiedAt	
tiers	
delay	
complianceSettings	
wipe	
quarantine	
block	
alert	
quarantineSettings	
removeWifi	
removeConfigurations	
excludeWifiOnly	
removeApps	
totalCount	
resultCount	

## Sample request

```
curl -k -sS -u <userName>:<password> -XGET 'https://<core>/api/v2/compliance_action/1?adminDeviceSpaceId=1'
```

## Sample response

```
{
```

```
"results":{
  "id":1,
  "name":"Send Alert",
  "localCompliance":false,
  "createdAt":0,
  "modifiedAt":0,
  "tiers":[
    {
      "delay":"PT0S",
      "complianceSettings":{
        "wipe":false,
        "quarantine":false,
        "block":false,
        "alert":true
      },
      "quarantineSettings":{
        "removeWifi":false,
        "removeConfigurations":false,
        "excludeWifiOnly":false,
        "removeApps":false
      }
    }
  ],
  "totalCount":1,
  "resultCount":1
}
```

# Delete a compliance action

Deletes a compliance action.

## Required roles

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

DELETE

## Request URI

`api/v2/compliance_action/id`

## Request parameters

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

## Response fields

Field	Description
results	
id	
name	
localCompliancefalse	
createdAt	
modifiedAt	
tiers	
delay	
complianceSettings	
wipe	
quarantine	
block	
alert	
quarantineSettings	
removeWifi	
removeConfigurations	
excludeWifiOnly	
removeApps	
totalCount	
resultCount	

## Sample request

```
curl -k -sS -u <username>:<password> -XDELETE 'https://<core>/api/v2/compliance_
action/9?adminDeviceSpaceId=1'
```

## Sample response

```
{
```



```
"results":[
  9
],
"messages":[
  {
    "type":"Info",

"messageKey":"com.mobileiron.vsp.rest.controllers.ComplianceActionController.Messages.DELETE_
SUCCESS",
    "localizedMessage":"Compliance action(s) deleted successfully."
  }
],
"totalCount":1,
"resultCount":1
}
```

# Get substitution variables

This call gets the available substitution variables for use when creating a compliance action message as described in ["Create compliance action message" on page 537](#).

## Required roles

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

GET

## Request URI

api/v2/substitution\_variables?adminDeviceSpaceId=*n*

## Request parameters

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

## Response fields

Field	Description
totalCount	
resultCount	
hasMore	
results	
name	
description	

## Sample request

```
curl -X GET \  
  'https://<core>/mifs/admin/rest/api/v2/substitution_\  
variables?page=1&start=0&limit=50&adminDeviceSpaceId=1' \  
  -H 'authorization: Basic 0000ZG1pbjpNaTRtYW4xMQ==' \  

```

## Sample response

```
{  
  "totalCount": 40,  
  "resultCount": 40,  
  "hasMore": false,  
  "results": [  
    {  
      "name": "$CN$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$CONFIG_UUID$",  
      "description": "Built-in variable"  
    },  
    {  
      "name": "$DEVICE_CLIENT_ID$",  
      "description": "Built-in variable"  
    }  
  ]  
}
```

```
},
{
  "name": "$DEVICE_ID$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_IMEI$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_IMSI$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_MAC$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_PIVD_ACTIVATION_LINK$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_SN$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_UDID$",
  "description": "Built-in variable"
},
{
  "name": "$DEVICE_UUID$",
  "description": "Built-in variable"
},
{
```

```
    "name": "$DEVICE_UUID_NO_DASHES$",
    "description": "Built-in variable"
  },
  {
    "name": "$DISPLAY_NAME$",
    "description": "Built-in variable"
  },
  {
    "name": "$EMAIL$",
    "description": "Built-in variable"
  },
  {
    "name": "$EMAIL_DOMAIN$",
    "description": "Built-in variable"
  },
  {
    "name": "$EMAIL_LOCAL$",
    "description": "Built-in variable"
  },
  {
    "name": "$FIRST_NAME$",
    "description": "Built-in variable"
  },
  {
    "name": "$GOOGLE_AUTOGEN_PASSWORD$",
    "description": "Built-in variable"
  },
  {
    "name": "$ICCID$",
    "description": "Built-in variable"
  },
  {
    "name": "$LAST_NAME$",
    "description": "Built-in variable"
  }
```

```
},
{
  "name": "$MI_APPSTORE_URL$",
  "description": "Built-in variable"
},
{
  "name": "$MODEL$",
  "description": "Built-in variable"
},
{
  "name": "$NULL$",
  "description": "Built-in variable"
},
{
  "name": "$OU$",
  "description": "Built-in variable"
},
{
  "name": "$PASSWORD$",
  "description": "Built-in variable"
},
{
  "name": "$PHONE_NUMBER$",
  "description": "Built-in variable"
},
{
  "name": "$RANDOM_16$",
  "description": "Built-in variable"
},
{
  "name": "$RANDOM_32$",
  "description": "Built-in variable"
},
{
```

```
"name": "$RANDOM_64$",
  "description": "Built-in variable"
},
{
  "name": "$REALM$",
  "description": "Built-in variable"
},
{
  "name": "$SAM_ACCOUNT_NAME$",
  "description": "Built-in variable"
},
{
  "name": "$TIMESTAMP_MS$",
  "description": "Built-in variable"
},
{
  "name": "$USER_CUSTOM1$",
  "description": "Built-in variable"
},
{
  "name": "$USER_CUSTOM2$",
  "description": "Built-in variable"
},
{
  "name": "$USER_CUSTOM3$",
  "description": "Built-in variable"
},
{
  "name": "$USER_CUSTOM4$",
  "description": "Built-in variable"
},
{
  "name": "$USER_DN$",
  "description": "Built-in variable"
```

```
    },
    {
      "name": "$USER_LOCALE$",
      "description": "Built-in variable"
    },
    {
      "name": "$USER_UPN$",
      "description": "Built-in variable"
    },
    {
      "name": "$USERID$",
      "description": "Built-in variable"
    }
  ]
}
```



# Create compliance action message

This call creates a compliance action message. You can use the substitution variables described in "[Get substitution variables](#)" on [page 530](#) to construct your message.

## Required roles

See "[Authentication](#)" on [page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
<b>Category:</b> Compliance Policy Management <b>Roles Description:</b> View compliance policy, Modify Compliance policy, Apply and remove compliance policy labels

## HTTP method

POST

## Request URI

api/v2/compliance\_policy/rules/*ruleId*/messages?adminDeviceSpaceId=*n*

## Request parameters

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

## Sample request

```
curl 'https://<core>/mifs/admin/rest/api/v2/compliance_
policy/rules/2/messages?adminDeviceSpaceId=1' --data-binary '{"messages":{"0":"Dear $FIRST_
NAME$, your device is in the USA."}}' --compressed
```

## Sample response

```
{
  "results": [
    {
      "ruleId": 2,
      "languageId": 0,
      "message": "Dear $FIRST_NAME$, your device is in the USA."
    }
  ],
  "messages": [
    {
      "type": "Info",

```

```
    "messageKey":  
    "com.mobileiron.vsp.rest.controllers.ComplianceRuleMessageController.Messages.REPLACE_  
MESSAGES_SUCCESS",  
    "localizedMessage": "Compliance rule messages successfully replaced."  
  }  
],  
"totalCount": 1,  
"resultCount": 1  
}
```

# Apple Licenses Management

# Get details about all Apple Licenses accounts

This call gets details about all Apple Licenses accounts. If there are more than 50 Apple Licenses accounts, the system paginates the response.

## Required role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management
<b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

msa/v2/vpp/accounts

## Response fields

Field	Description
hasMore	
resultCount	
results	
appleId	
description	
encryptedToken	
expireDateString	

Field	Description
id	
lastSyncedAt	
licenseSinceToken	
licenseSyncStatus	
name	
numDaysToExpire	
pendingDelete	
priority	
sTokenModifiedDate	
stoken	
userSinceToken	
userSyncStatus	
totalCount	

## Sample request

```
curl -X GET \
  https://<core>/msa/v2/vpp/accounts \
  -H 'authorization: Basic AAAAG1pbjpNaTRtYW4xMQ==' \
```

## Sample response

```
{
  "totalCount": 1,
  "resultCount": 1,
  "hasMore": false,
  "results": [
    {
      "id": 1,
      "name": "blue4",
      "description": ""
    }
  ]
}
```

```
"appleId": "",
"sTokenModifiedDate": "2017-10-25",
"licenseSinceToken":
"H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFkLEn0SC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZ15zqm5+SmZaZmqKEo
gtZewYaTE0wWENmTk5mMVDO0NTA0tjA2NTAxNDIxFqhFgB079RGgQAAAA==",
"userSinceToken":
"H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFkLEn0SC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZ15zqm5+SmZaZmqKEo
gtZewYaTE0wWENmTk5mMVDO0NTA0tjA2NTAxMjc3FqhFgB+vRUagQAAAA==",
"lastSyncedAt": 1509303504000,
"priority": 1,
"userSyncStatus": true,
"licenseSyncStatus": true,
"stoken":
"eyJleHBEYXR1IjoimjAxOC0wOS0xNFQxNTozMToyOC0wNzAwIiwidG9rZW4iOiJhUXMrSnUvT2Fjd2NKWjZ4akRDZ0pFQ
Vd6UkZPWnovMk1rM3A5bHhmaXdoNmxDdTLsNDd4Zk9VZ2dXWnpPUzFUaVhmRThsSzMrD21VUVRWQTV2R2R0Zn16N3BRWUR
vY3RISmU2a0NLZWhvVT0iLCJvcmd0YW11IjoitW9iaWxlSXJvbiJ9",
"encryptedToken":
"V2DATJ1y+hzMvs5gosgeHvFPMBMHghkA8+/hbFokoH5JTh8oAoAdHWkwn6LjCsG9Wca6gLa+h8mUZQiNN62bu+b+rLL
6tadjy6ZZ4Xa9WlxbHgIXApC+6b59LIs/hhBdFjx2ysq8RkLtdqFTo7tIeu2kUIJaQEe/uwSZfWvSfS1ZMeJqqhmLUY7Ks
PVXjJYQgSc1wi0+6K9UhL0aJCbjRh9dkHysvhd6vt9b3ur30AcBtI+R3+1Vjgydy0HGtNwvRMqv/wfOX2MtGJviG9v0uF1
9nABjQgDBL72T/Dm0tfaTygyLZfso6cShU2FwtGRUxtsQ+ZTVSutSFk2im/2PnLM9nrBEDu1d44h+dqs=",
"expireDateString": "September 14 2018",
"pendingDelete": false,
"numDaysToExpire": 320
}
]
}
```

# Get all Apple Licenses accounts

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

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management
<b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

msa/v2/vpp/accounts/all

## Response fields

Field	Description
results	
id	
name	
description	
appleId	
sTokenModifiedDate	
licenseSinceToken	
userSinceToken	



Field	Description
lastSyncedAt	
priority	
userSyncStatus	
licenseSyncStatus	
adminDeviceSpaceId	
deviceSpaceName	
deviceSpacePath	
expireDateString	
stoken	
numDaysToExpire	
encryptedToken	
pendingDelete	
totalCount	
resultCount	

## Sample request

```
curl -X GET \
  https://<core>/msa/v2/vpp/accounts/all \
  -H 'Authorization: Basic aaahZG1pbjpbZbDNNczB0dg==' \
```

## Sample response

```
{
  "results": [
    {
      "id": 1,
      "name": "blue2",
      "description": "",
      "appleId": "",
      "sTokenModifiedDate": "2018-03-07",
```

```

    "licenseSinceToken":
    "H4sIAAAAAAAAAAKtWKKksSFwVVAqzsXLtvXNT8lMy0xNUbJWUMhMg/GCwVKZOTmZxUCVhqZGBiYm5gYwQMLcWqEWAMa80
    6BDAAAA",

    "userSinceToken":
    "H4sIAAAAAAAAAAKtWmFCwVdBQUNC0VlAoyS9JzHFkLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZaZmqKEo
    gtZewYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NTYw1qhFgA5krZ0gQAAAA==",

    "lastSyncedAt": 1520447135000,

    "priority": 1,

    "userSyncStatus": true,

    "licenseSyncStatus": true,

    "adminDeviceSpaceId": 1,

    "deviceSpaceName": "Global",

    "deviceSpacePath": "/1/",

    "expireDateString": "March 07 2019",

    "stoken":
    "eyJleHBEYXRlIjoieMjAxOS0wMy0wN1QxMDoxNj0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1WTU2TFE2R
    DhaSwtXTS9JbmQ0ZEdNU1Q4aFZQU3c1YmXST2JCv1hHTzdoczZmTElWZl02c0JxTDY1WXdSVHNEZDNuZDBza3NzQlk4SGN
    IU1FNSTNLVFlhQUxRT0iLCJvcmd0YW11IjoitW9iaWxlSXJvbiJ9",

    "numDaysToExpire": 364,

    "encryptedToken":
    "V2DFglCX40+25VSLrtL1l+pm4xlIoeCFa0XRgl+2aD/lKcx8Iq1kPRJHISntjoi0URflwjkqdwcxGeUHotL9YUF/UVA7u
    SgfnBeWdt+TYQAS2wED0TMN51s1+zBUz5G4mW+xI1CoWzBm+SLzgOop5M7mXJ9e7A6PGU0w+YTTZ3+YN6K2bd0x9rkM3of
    QKbVqycre0J5hLwPH00PgZv2vri9isbIZVaBLOdNrNJEtn6iQbAKpERaSjZ2X67gwkOgwGLkoF9wt3DA4mFGmVBZgFafpe
    IXizI6A3IMDZtNzyYVxHkCasaoWl5Gu85x/RQx0GaCGpCmL7XkvH7766pg43hyYS3yV/OKr53uck1kdu=",

    "pendingDelete": false
  },
  {
    "id": 2,

    "name": "blue4",

    "description": "",

    "appleId": "",

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

    "licenseSinceToken":
    "H4sIAAAAAAAAAAKtWmFCwVdBQUNC0VlAoyS9JzHFkLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZaZmqKEo
    gtZewYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NQYqK4WANa6ArGBAAAA",

    "userSinceToken":
    "H4sIAAAAAAAAAAKtWmFCwVdBQUNC0VlAoyS9JzHFkLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZaZmqKEo
    gtZewYaTE0wWENmTk5mMVDO0NTIwMTE3NDY1NTMw1qhFgBJHVa8gQAAAA==",

    "lastSyncedAt": 1520447135000,

    "priority": 2,

    "userSyncStatus": true,
  }

```

```

    "licenseSyncStatus": true,
    "adminDeviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "expireDateString": "March 07 2019",
    "stoken":
"eyJleHBeyXR1IjoimjAxOS0wMy0wN1QxMDoxNzowNC0wODAwIiwidG9rZW4iOiJzZFdEQ1pYbTJHa3dMSEdKRXJkZENvW
m11ZzloOGFBTnN2OF1JdTQxWmg3VlAxdUZpSHJKRW1LWgZaY0h3b1FKamN3ZUdMzjJiQysvYXRBaU5QaUFpMzNSWTNMR1V
JNFFSNkFldeFVeDh5MD0iLCJvcmdOYW11IjoitW9iaWxlSXJvbiJ9",
    "numDaysToExpire": 364,
    "encryptedToken":
"V2DJvIUXcIQxzVnF17+8eCa6xTA35j3ob0vusY28+eBgBPo1ADPcyWdctCOxjP8BS1X7s0Bu0/W5MHTf0R2aSWDxZyRPK
iLTZp2ERR+7Z5Zq+baV/p132wV65ppvKg94E1lf/xk//M8asBtGifmUZksa3dUvOGuWSCQ8ZZwnKsU8JiK81P6UTiEjyDA
Vgt27VzEIsYRuX/p0iZwQwqHsF0Qa/Wh5hEHLfjQaPMgjfAP8jwxXvIU1gM8gm2gsmZxXoj/7f5Zkaw4Y14DBTLGgsB08j
Z0gTc5Dt1+R211qXkg1baJ6OxtEnh4fQWcbOQaeJAieoJfA/BpvTE5Tby5TFZpF/wJDaHkRsDhYh6hxE=",
    "pendingDelete": false
  }
],
"totalCount": 2,
"resultCount": 2
}

```

# Get details about specific Apple Licenses account

This call gets information about a specific Apple Licenses accounts.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

msa/v2/vpp/accounts/{id}

## Request parameters

Parameter	Description	Sample Value
id	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number ID of the Apple Licenses account.	1

## Response fields

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

## Sample request

```
curl -X GET \  
https://<core>/msa/v2/vpp/accounts/1 \  
-H 'Authorization: Basic aaahZG1pbjpwZbdNNczB0dg==' \  

```

## Sample response

```
{
  "results": {
    "id": 1,
    "name": "blue2",
    "description": "",
    "appleId": "",
    "sTokenModifiedDate": "2018-03-07",
    "licenseSinceToken":
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZaZmqKEo
      gtZelWYaTE0wWENmTk5mMVDO0NTIwMTEwsDY1MzQ3FqhFgBv7PE2gQAAAA==",
    "userSinceToken":
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFKLEnOSC12yy/NS3EGEiVAeQQQZGVBKpCpVJyZl5zqm5+SmZaZmqKEo
      gtZelWYaTE0wWENmTk5mMVDO0NTIwMTEwsDY1MzMyFqhFgBNwA+zgQAAAA==",
    "lastSyncedAt": 1520448035000,
    "priority": 1,
    "userSyncStatus": true,
    "licenseSyncStatus": true,
    "adminDeviceSpaceId": 1,
    "deviceSpaceName": "Global",
    "deviceSpacePath": "/1/",
    "expireDateString": "March 07 2019",
    "token":
      "eyJleHBEBYXRlIjoimjAxOS0wMy0wN1QxMDoxNj0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1WTU2TFE2R
      DhaSwtxTS9JbmQ0ZEdNU1Q4aFZQU3c1YmxST2JCv1hHTzdoczZmTElWZl02c0JxTDY1WXdSVHNEZDNuZDBza3NzQlk4SGN
      IU1FNSTNLVFlhQUxtRT0iLCJvcmd0YW11IjoitW9iaWxlSXJvbiJ9",
    "numDaysToExpire": 364,
    "encryptedToken":
      "V2DPNTJs5g/xs9fGfdNPW7Oukg84d7DT6uUb9Q/8c+52WrunoICEel/JuVxVuF0xVvfc0oUB/FhcF4D17G0h7HMGgzxbc
      YsIIi/TIadEUpJp9CQZQ7kGU6G9fwLK2h7ndtwA+Z9qQmR93GR1PV8N8ydhKQgwy6c+rQYmfu5/+bsO2t38D6nYtUgEYkV
      +f24BppiP50p9PCTeDYZOCpmoyachHSeNnfFoLVFqx2n0pzDJ4ajEONETDLle2727vvdw0s7XgDdhGYxj0qR9EPjepTfCx0h
      Lva9BGq+xbm0ygzihEvayDvTNwAP6eQL7qkV0v+SMZXA41Zgs18WCV6YevSkmbJQ5oUI70EFuXoubsr8=",
    "pendingDelete": false
  }
}
```

# Get all licenses for a specific Apple Licenses account

This call retrieves information about a specific Apple Licenses account.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Response fields

Field	Description
results	
name	
version	
totalCount	
usedCount	
adamId	
canImport	
platformType	
imported	
totalCount	
resultCount	

## Sample request

```
curl -X GET \  
https://<core>/msa/v2/vpp/accounts/1/licenses \  
-H 'authorization: Basic AAAAZG1pbjpZbDNNczB0dg==' \  

```

## Sample response

```
{  
  "results": [  
    {  
      "name": "Quick Note",  
      "version": null,  
      "totalCount": 2,  
      "usedCount": 0,  
      "adamId": 414848186,  
      "canImport": true,  
      "platformType": "L",  
    }  
  ]  
}
```



```
    "imported": true
  },
  {
    "name": "Twitter",
    "version": "7.10",
    "totalCount": 11,
    "usedCount": 0,
    "adamId": 333903271,
    "canImport": true,
    "platformType": "I",
    "imported": false
  },
  ...
],
"totalCount": 38,
"resultCount": 38
}
```

# Start a Apple Licenses license full sync for Apple Licenses Account

This call initiates a full sync of the target Apple Licenses account.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

POST

## Request URI

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

## Request parameters

Parameter	Description	Sample Value
accountId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Target Apple Licenses account ID for which to sync licenses.	

## Response fields

Field	Description
results	

## Sample request

```
curl -X POST \  
https://<core>/msa/v2/vpp/accounts/1/fullsync \  
-H 'authorization: Basic ssssZG1pbjpwZbdNNczB0dg==' \  

```

## Sample response

```
{  
  "results": 0  
}
```

# Add a Apple Licenses label to an app

This call applies a Apple Licenses label to an app.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management
<b>Roles Description:</b> Manage App Licenses

## HTTP method

PUT

## Request URI

msa/v2/vpp/apps/labels

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
catalogId	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number Catalog ID of the app to apply to a label.	119
vppAccountId	<b>Required</b> <b>Parameter Type:</b> Request body	1

Parameter	Description	Sample Value
	<b>Data Type:</b> Number ID of the target Apple Licenses account.	
labelIds	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number ID of the label or labels to which to apply the app.	-6

## Response fields

Field	Description
{}	

## Sample request

```
curl -X PUT \
  'https://eapp297.auto.mobileiron.com/msa/v2/vpp/apps/labels?adminDeviceSpaceId=1' \
  -H 'accept: application/json' \
  -H 'authorization: Basic 5555G1pbjpZbDNNczB0dg==' \
  -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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management
<b>Roles Description:</b> Manage App Licenses

## HTTP method

DELETE

## Request URI

msa/v2/vpp/apps/labels

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
catalogId	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number Catalog ID of the app to delete from a label.	119
vppAccountId	<b>Required</b> <b>Parameter Type:</b> Request body	1

Parameter	Description	Sample Value
	<b>Data Type:</b> Number ID of the target Apple Licenses account.	
labelIds	<b>Required</b> <b>Parameter Type:</b> Request body <b>Data Type:</b> Number ID of the label or labels from which to delete the app.	-6

## Response fields

Field	Description
{}	

## Sample request

```
curl -X DELETE \
  'https://<core>/msa/v2/vpp/apps/labels?adminDeviceSpaceId=1' \
  -H 'accept: application/json' \
  -H 'authorization: Basic 5555ZG1pbjZbDNNczB0dg==' \
  -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 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

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

## Request parameters

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



## Response fields

Field	Description
results	
numDeviceLicenses	
numUserLicenses	
numVPPAccounts	
numAvailableLicenses	
numUsedLicenses	
numTotalLicenses	
catalogId	
iconFile	
fileName	
uuid	
url	
applcon	
appName	

## Sample request

```
curl -X GET \  
  'https://<core>/msa/v2/vpp/apps/121/summary?adminDeviceSpaceId=1' \  
  -H 'Accept: application/json' \  
  -H 'Authorization: Basic aaaaZG1pbjpwZDNNczB0dg==' \  
  \
```

## Sample response

```
{  
  "results": {  
    "numDeviceLicenses": 0,  
    "numUserLicenses": 0,  
    "numVPPAccounts": 1,  
    "numAvailableLicenses": 5,  
  }  
}
```

```
"numUsedLicenses": 0,
"numTotalLicenses": 5,
"catalogId": 121,
"iconFile": {
  "fileName": "logo.png",
  "uuid": "d31ae54a-2af8-43e5-8249-5a9745b96193",
  "url":
"/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=121&uuid=d31ae54a-
2af8-43e5-8249-5a9745b96193&ext=PNG"
},
"appIcon": null,
"appName": "IKEA Catalog"
}
}
```

# Get list of Apple Licenses accounts available for specific app

This call gets the list of Apple Licenses Accounts available for the specific app.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Response fields

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

## Sample request

```
curl -X GET \
```

```
'https://<core>/msa/v2/vpp/apps/121/vppaccounts?adminDeviceSpaceId=1' \  
-H 'Accept: application/json' \  
-H 'Authorization: Basic aaaaZG1pbjpbZbDNNczB0dg==' \  

```

## Sample response

```
{  
  "results": [  
    {  
      "id": 1,  
      "name": "blue2",  
      "description": "",  
      "appleId": "",  
      "sTokenModifiedDate": "2018-03-07",  
      "licenseSinceToken":  
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFkLEnOSC12yy/NS3EGEiVAeQQQZGVbKpCpVJyZ15zqm5+SmZaZmqKEo  
      gtZewYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwszSzFqhFgBU2ojzGQAAAA==",  
      "userSinceToken":  
      "H4sIAAAAAAAAAAKtWMFCwVdBQUNC0V1AoyS9JzHFkLEnOSC12yy/NS3EGEiVAeQQQZGVbKpCpVJyZ15zqm5+SmZaZmqKEo  
      gtZewYaTE0wWENmTk5mMVDO0NTIwMTU2MTMwtzU2FqhFgDCFPkGQAAAA==",  
      "lastSyncedAt": 1520453468000,  
      "priority": 1,  
      "userSyncStatus": true,  
      "licenseSyncStatus": true,  
      "adminDeviceSpaceId": 1,  
      "deviceSpaceName": "",  
      "deviceSpacePath": "",  
      "expireDateString": "March 07 2019",  
      "token":  
      "eyJleHBEYXRlIjoiMjAxOS0wMy0wN1QxMDoxNj0NC0wODAwIiwidG9rZW4iOiJtMXZEYTViZkltZHp1VER1WTU2TFE2R  
      DhaSwtXTS9JbmQ0ZEdENU1Q4aFZQU3c1YmxST2JCV1hHTzdoczZmTElWZl02c0JxTDY1WXdSVHNEZDNuZDBza3NzQ1k4SGN  
      IU1FNSTNLVFlhQUxtRT0iLCJvcmd0YWw1IiwiaW9iaWx1S1JvbiJ9",  
      "numDaysToExpire": 364,  
      "encryptedToken":  
      "V2DMgs34fNkRL0R2NrM/i+PuhaAJQkhgJhf3fmiNA8Wj0+VPRqzphylyQnY0b7VgmuAdC3bUmI341XyMV19h3nb/mNot7  
      7AP/ZwVZBxbzqq+Yrey9X4AWtElmL7u17FQv3y6Y1f/eYRdFxmOe40taXyZgIdfLDXtf92D70nq7/zgwCit01xAP3dNtw  
      B+hvDqtK8I2wTbvoY9b5hpe08YvicUMuS+igZkH4RALNvkXZwYjamBx2ohILlqIvJp3dENpN3FXUATcxdrc2lypihSH3qK  
      GILpMnYhztLZ9bQcK/vhn3kP7iBfHd3QGaTHxjnNSfnW7vvlACef6B8i4tpPbtXBZZfqr9jnBPYcg1oc=",  
      "pendingDelete": false  
    }  
  ]  
}
```

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

# Get Apple Licenses labels available for specific app

This call gets the list of Apple Licenses Labels available for the specific app.

## Required role

See "[Authentication](#)" on page 27 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
<b>Category:</b> App Management <b>Roles Description:</b> Manage App Licenses

## HTTP method

GET

## Request URI

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

## Request parameters

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

## Response fields

Field	Description
results	
appCatalogId	
labelId	
labelName	
labelDescription	
vppAccountId	
vppAccountName	
appCatalogId	
labelId	
labelName	
labelDescription	
vppAccountId	
vppAccountName	
totalCount	
resultCount	

## Sample request

```
curl -X GET \  
  'https://<core>/msa/v2/vpp/apps/121/vpplabels?adminDeviceSpaceId=1' \  
  -H 'Accept: application/json' \  
  -H 'Authorization: Basic aaaaZG1pbjpbZbDNNczB0dg==' \  
  \
```

## Sample response

```
{  
  "results": [  
    {  
      "appCatalogId": 0,  
      ...  
    }  
  ]  
}
```



```
"labelId": -20,  
"labelName": "Signed-Out",  
"labelDescription": "Label for devices that are in a multi-user signed-out state.",  
"vppAccountId": null,  
"vppAccountName": null  
},  
...  
],  
"totalCount": 9,  
"resultCount": 9  
}
```

# Platform Management

# Get minimumOsVersion Information

This call returns readily understandable minimumOsVersion information for Android and iOS apps. The returned value of minimumOsVersion for iOS apps from the call, ["Get app data by id" on page 113](#) is not readily understandable, and the returned value for Android apps is always null.

## Required Role

See ["Authentication" on page 27](#) for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Any admin role

## HTTP method

GET

## Request URI

`/api/v2/platform/versions/{os}`

## Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	<b>Required</b> <b>Parameter Type:</b> Query <b>Data Type:</b> Number Device space ID of the administrator.	1
os	<b>Required</b> <b>Parameter Type:</b> Path <b>Data Type:</b> String The operating system for which to get minimumOsVersion information. Can be one of the following values: <ul style="list-style-type: none"><li>• android</li><li>• ios</li></ul>	android

## Response fields

Field	Description
results	Container for the results.
name	Readily understandable version name.
id	app ID.
value	Obfuscated or null version name as returned by the call, " <a href="#">Get app data by id</a> " on page 113
totalCount	Total number of versions.
resultCount	Total number of versions retrieved.

## Sample Request

```
curl -X GET \  
  'https://<core>/api/v2/platform/versions/ios?adminDeviceSpaceId=1' \  
  \
```

## Sample Response

```
{
  "results": [
    {
      "name": "4.0",
      "id": 7,
      "value": "8A293"
    }
  ],
  "totalCount": 154,
  "resultCount": 154
}
```



# Valid fields Parameter Values

The fields parameter specifies the fields returned by an API call. The following list contains the values you can include with the "fields" parameter when performing device searches:

- android.afw\_capable
- android.attestation
- common.background\_status
- common.battery\_level
- common.client\_name
- common.client\_version
- common.clientId
- common.comment
- common.compliant
- common.creation\_date
- common.current\_phone\_number
- common.data\_protection\_enabled
- common.data\_protection\_reasons
- common.device\_admin\_enabled
- common.device\_is\_compromised
- common.device\_space\_name
- common.ccm\_migration\_status
- common.home\_country\_name
- common.home\_operator\_name
- common.id
- common.imei
- common.imsi

- common.ip\_address
- common.language
- common.last\_connected\_at
- common.locale
- common.manufacturer
- common.mdm\_managed
- common.memory\_capacity
- common.memory\_free
- common.miclient\_last\_connected\_at
- common.model
- common.noncompliance\_reasons
- common.os\_version
- common.owner
- common.platform
- common.platform\_name
- common.quarantined
- common.quarantined\_reasons
- common.registration\_date
- common.status
- common.storage\_capacity
- common.storage\_capacity
- common.storage\_free
- common.uuid
- ios.DataRoamingEnabled
- ios.DeviceName



- ios.iPhone%20ICCID(%20 is an URL encoded space)
- ios.iPhone%20MAC\_ADDRESS\_EN0 (%20 is an URL encoded space)
- ios.iPhone%20UDID (%20 is an URL encoded space)
- ios.iPhone%20VERSION(%20 is an URL encoded space)
- ios.wakeup\_status
- user.display\_name
- user.email\_address
- user.user\_id



# Query Operators and Search Fields

This chapter describes the query operators and search fields that you can use with the query parameter.

# Valid Query Operators

The query parameter supports the following operators:

Priority	Operator	Operation
1	=	Equals and case-insensitive string comparison
2	>	Is greater than
3	>=	Is greater than or equal to
4	<	Is less than
5	<=	Is less than or equal to
6	"contains"	Case-insensitive substring matching
7	"starts with"	Case-insensitive prefix matching
8	!=	Not Equals
9	"does not contain"	Case-insensitive substring exclusion
10	"is empty"	Is empty
11	"is not empty"	Is not empty

# Valid Search Fields

The device search fields include:

- those that are common to all
- Android-only
- iOS-only
- Windows-Phone-only
- user-related, including LDAP.

## Common Device Search Fields

Field name format:

"common.<field\_name>"

Field	Data Type	Sample Data	Description
apns_capable	boolean	e43f9c41484baf6601b2e80f7390fe195df5	
background_status	string		Background Status:0=Enabled, 1=Denied by User, 2=Disabled by Policy, 3=Device not supported, 4=OS not supported, 5=Unknown
battery_level	long	15 99	
blocked_reasons	array of strings	2	
blocked	boolean	2	
cellular_technology	string	GSM	
client_id	long	1073741831	
client_name	string	com.mobileiron	

Field	Data Type	Sample Data	Description
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		
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		

Field	Data Type	Sample Data	Description
display_size	string	1184X768	
		768x1280	
eas_last_sync_time	date		
ethernet_mac	string	10DDB1F23C06	
home_country_code	string	FR	
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	

Field	Data Type	Sample Data	Description
location	geo_point	37.396003 -122.056255	
manufacturer	string	Apple	
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	l	



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	
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>"

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	
os_update_status	string	OK	Indicates whether an OS update is available. Values include: Unavailable, Available, Unsupported.

Field	Data Type	Sample Data	Description
			Status of ROM update for devices that support it.
platform_flags	string	0x3	A flag that identifies device capabilities.
samsung_dm	string		
secure_apps_encryption_enabled	boolean	"Ready"	
secure_apps_encryption_mode	string		
secure_apps_enabled	boolean	"not enabled"	Indicates whether secure apps are enabled on the device.
security_detail	string	"0"	A bitmask, 32 bit hex number, representing all detected threads that have compromised the device.
usb_debugging	boolean	off	
zebra_ota_capable	boolean	true	Indicates whether the device is Zebra LifeGuard OTA capable.

## iOS and OS X Device Search Fields

Field name format:

"ios.<field\_name>"

Field	Data Type	Sample Data	Description
Activation Lock Bypass Code	string	JX17H-R0A7Z-E06R-X923-VUF8-81F3	
Activation Lock Is Enabled	boolean	false	
apnsToken	string	e43f9c41484baf6601b2e80f7390fe195df 5...	
BluetoothMAC	string	A88808C93459	

Field	Data Type	Sample Data	Description
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	
iOSBackgroundStatus	string	0	A value the client returns, indicating its status. Possible values are:  0=Enabled, 1=Denied by User, 2=Disabled by

Field	Data Type	Sample Data	Description
			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	
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 MobileIron.

Field	Data Type	Sample Data	Description
IsDoNotDisturbInEffect	boolean	true	
iTunes Store Account Hash	string	EPMtjvzUBKKvhUJA9VOyvrQXkJI=	
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 MobileIron.
it_policy_result	long	1	
Last iCloud Backup Date	string	2014-07-25 11:58:38 PM	
ModemFirmwareVersion	string	04.11.08	
ProductName	string	iPad3,4	
PasscodePresent	boolean	FALSE	Indicates whether an MDM passcode is present (TRUE or FALSE).

Field	Data Type	Sample Data	Description
PasscodeIsCompliantWithProfiles	boolean	TRUE	Indicates whether the passcode of the MDM data user is compliant with the passcode profile (TRUE or FALSE).
PasscodeIsCompliant	boolean	TRUE	
Personal Hotspot Enabled	boolean	false	
security_reason_code	string	0x40000000	
Supervised	boolean	FALSE	
signal_strength	long	31	
SIM MCC	string	310	
SIM MNC	string	410	
Subscriber Carrier Network	string	AT&T	
Voice Roaming Enabled	boolean	N/A false true	
vpn_ip_address	string		
Wakeup Status	integer	0	

## Windows Phone and Surface Device Search Fields

Field name format:

"windows\_phone.<field\_name>"

Field	Data Type	Sample Data	Description
dm_client_version	double	1.3	
network_adapter	string	Hyper-V Virtual Ethernet Adapter #2	
processor_type	string	Intel(R) Core(TM) i5-3570 CPU @ 3.40GHz	
wns_channel_url	string	https://bn1.notify.windows.com/?token=AgYAAAC1r8nFA5Uhc	
wp_cert_renew_timestamp	date	0	Optional. The time in OMA DM (Open Mobile Alliance Device Management) standard time format. This node and the SignedCertRenewTimeStamp node are designed to reduce the risk of the certificate being used by another phone. The phone records the time that the new certificate was created. Supported operation is Get.



Field	Data Type	Sample Data	Description
wp_ent_dm_id	long	0	Optional. Character string that contains the device ID. This node and the nodes CertRenewTimeStamp and SignedCertRenewTimeS tamp 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	
wp_processor_type	long	0	
wp_signed_ent_dm_id	long	0	

Field	Data Type	Sample Data	Description
wp_management_service_address	string		
wp_mpns_notification_uri	string		
wp_os_platform	string		
wp_radio_svv	string		
wp_publisher_device_id	string		
wp_ent_device_name	string		

## User-Related Device Search Fields

The set of user-related device search fields include:

- local user search fields
- LDAP search fields

## Local User Device Search Fields

Field name format:

"user.<field\_name>"

Field	Data Type	Sample Data
email_address	string	bsmith@mobileiron.com
display_name	string	BlargleFalargle
first_name	string	Bob

Field	Data Type	Sample Data
last_admin_portal_login_time	date	1382485711228
last_name	string	Smith
user_id	string	blargle
uuid	string	d0cae3dd-a3dd-46b8-8f5a-564cbe9152ac

## LDAP-User Device Search Fields

LDAP-related search fields include:

- basic LDAP-related device search fields
- groups

Basic LDAP-User Device Search Fields

Field name format:

"user.ldap.<field\_name>"

Field	Data Type
attr_dn	string
dn	string
locale	string
principal	string
upn	string

LDAP User-Attributes Device Search Fields

Field name format:

"user.ldap.user\_attributes.<field\_name>"

Field	Data Type
custom1	string
custom2	string
custom3	string
custom4	string
	string
	string
	string
	string
<dynamically created user-attribute field names>	array of strings

## LDAP-Group Device Search Fields

Field name format:

"user.ldap.groups.<field\_name>"

Field	Data Type
dn	string
name	string

## Value Enumerations

### Values for the "platform" Device Search Field

Value
Android
iOS
OS X
Windows
Windows Phone

## Values for the "platform\_name" Device Search Field

Value
Android
Android 1.6
Android 2.0
Android 2.0.1
Android 2.1
Android 2.2
Android 2.3
Android 3.0
Android 3.1
Android 4.0
Android 4.0.1
Android 4.0.2
Android 4.0.4
Android 4.1
Android 4.2
Android 4.3
Android 4.4
AppleTV
AppleTV 7.0
BlackBerry
iOS
iOS 4.0
iOS 4.1
iOS 4.2
iOS 4.3

Value
iOS 5.0
iOS 5.1
iOS 6.0
iOS 6.1
iOS 7.0
iOS 7.1
OS X
OS X 10.7
OS X 10.8
OS X 10.9
Web App Platform
Windows
Windows 10
Windows 8.1
Windows Phone
Windows Phone 8
Windows Phone 8.1

## Values for the "status" Device Search Field

Enum Name	Meaning
ACTIVE	Active
BLOCKED	Blocked
IENROLL_VERIFIED	Enrollment verified
IENROLL_INPROGRESS	Enrolling
IENROLL_COMPLETE	Enrolled
INFECTED	Infected

Enum Name	Meaning
LOST	Lost
RETIRED	Retired
VERIFIED	Verified
VERIFICATION_PENDING	Pending
EXPIRED	Expired
WIPE	Wiped
WIPE_PENDING	Wipe pending
UNKNOWN	Unknown status

## Values for the "owner" Device Search Field

Name	Meaning
COMPANY	Company-owned device
EMPLOYEE	Employee-owned (personal) device

## Array Value Enumerations

### Values for the "blocked\_reasons", "noncompliance\_reasons", and "quarantined\_reasons" Device Search Fields

Each of the fields that use these values have an associated field to determine whether any reasons were set or not. For example, if a device is blocked, then the "blocked\_reasons" field has a list of reasons, and the "blocked" field is 'true'.

Enum Name	Meaning	Hexadecimal Value
ALLOWED_APP_CONTROL	Allowed app control policy is out of compliance	0x004000
APP_CONTROL	App control policy is out of compliance	0x000040
ATTESTATION_FAILED	Attestation failed.	0x010000

<b>Enum Name</b>	<b>Meaning</b>	<b>Hexadecimal Value</b>
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