MobileIron V2 API Guide

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Revisions

Date	Description
March 12, 2016	Updated the required role for the “Get installed app details of a device” call.

Chapter 1

Introduction

The MobileIron V2 API is a RESTful API you use to send HTTPS requests to get data from and provide data to MobileIron. If you need other functionality using a MobileIron API, see the *API Reference Document for MobileIron WebService 9.0*, which describes how to use the V1 API.

Prerequisites for using the V2 API

Using the MobileIron V2 API requires:

- MobileIron 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" on page 17.
- 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.

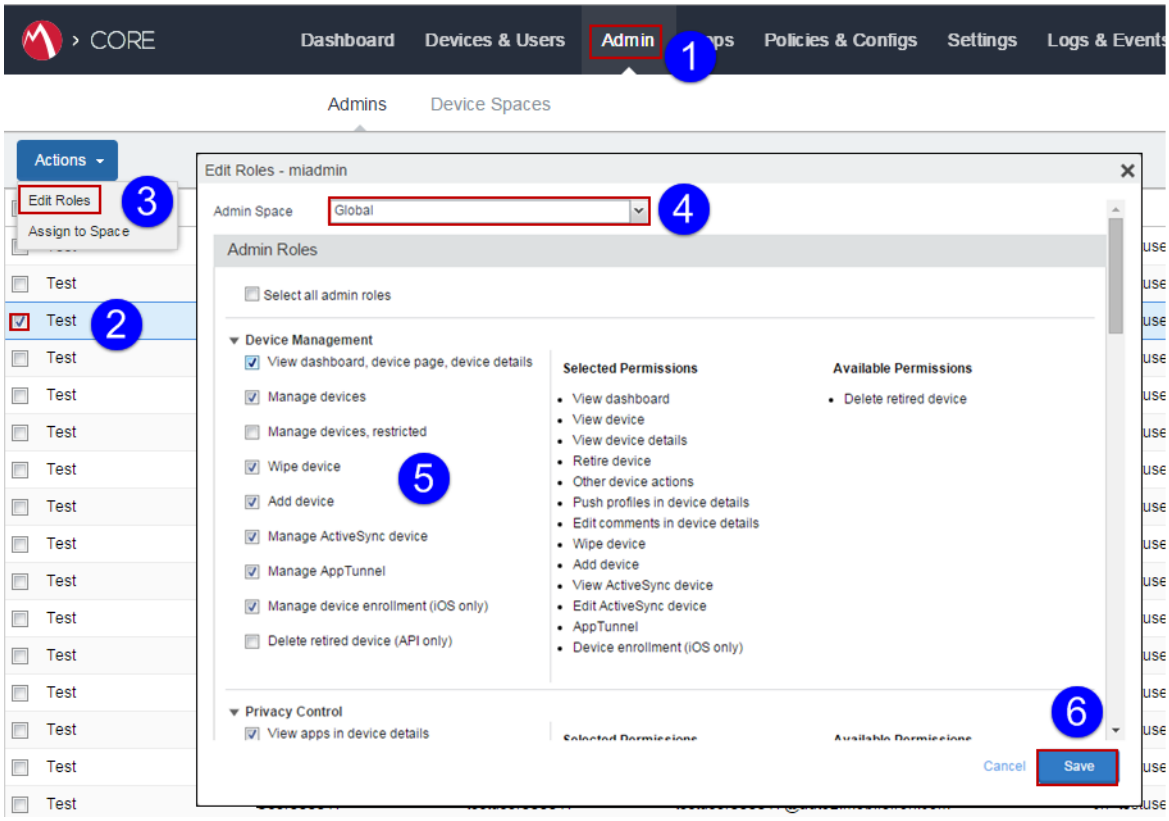
Authentication

The MobileIron 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 page 17 for how to assign required roles to MobileIron users, and the "Required Role" section of each API call description to determine the required role for each API call.

Assigning admin roles to a user

To assign admin roles to a user:

1. Log in to MobileIron and then click **Admin**.



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

Making API Calls to MobileIron Connected Cloud

When making API calls to MobileIron Connected Cloud, prepend the URI with "rest/". For example, if the call is "api/v2/devices/search_fields" in MobileIron Core, it would be "rest/api/v2/devices/search_fields" in MobileIron Connected Cloud.

HTTP response status codes

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

Response code	Description
200	Success.
400	Request error.

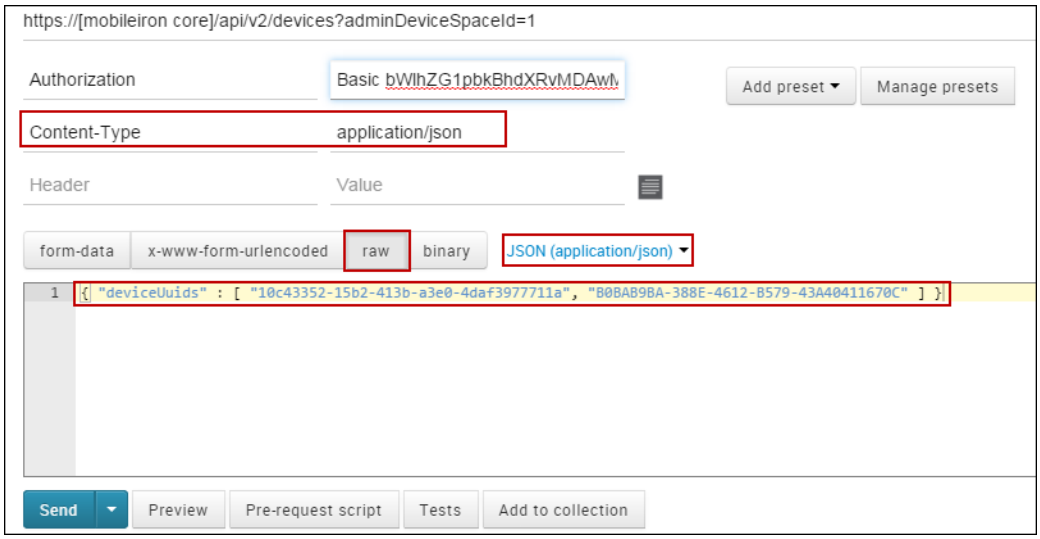
Response code	Description
401	Authentication failed. The request must contain a valid user ID and password for the target MobileIron Core instance.
404	Page not found. Check the spelling of the URL.
405	Invalid HTTP method.
500	Internal server error. MobileIron Core encountered an internal error while 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 169 requires that you send a **Content-Type** header as **application/json**.



Chapter 2

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 17 for complete details 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 MobileIron Core.

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/api/v2/ping
```

Response

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

```
}
```

Chapter 3

Admin Management

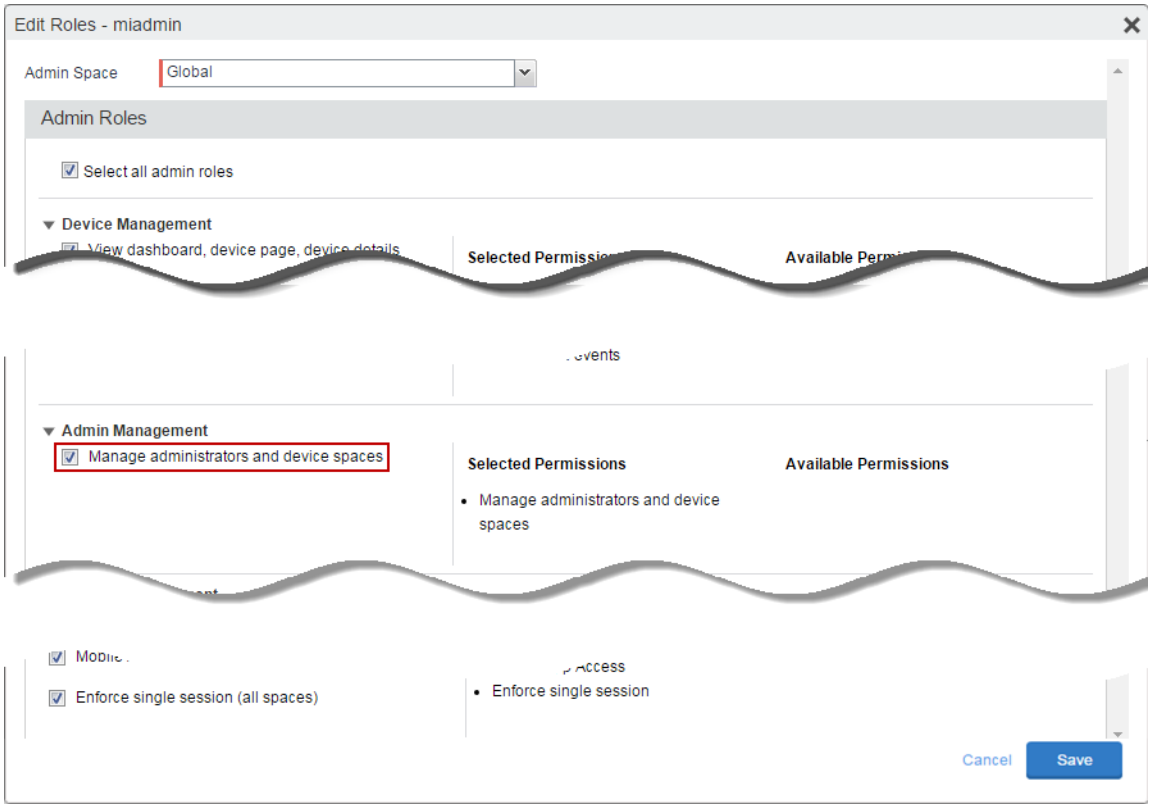
Find admin users

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 199 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 30, 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 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/users

Request parameters

Parameter	Description	Sample Value
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	bsmith
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 200 **Default:** 200 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 320 characters Name of the field to use for sorting.	
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC

Response fields

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

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/api/v2/
admins/users?adminDeviceSpaceId=1
```

Response

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

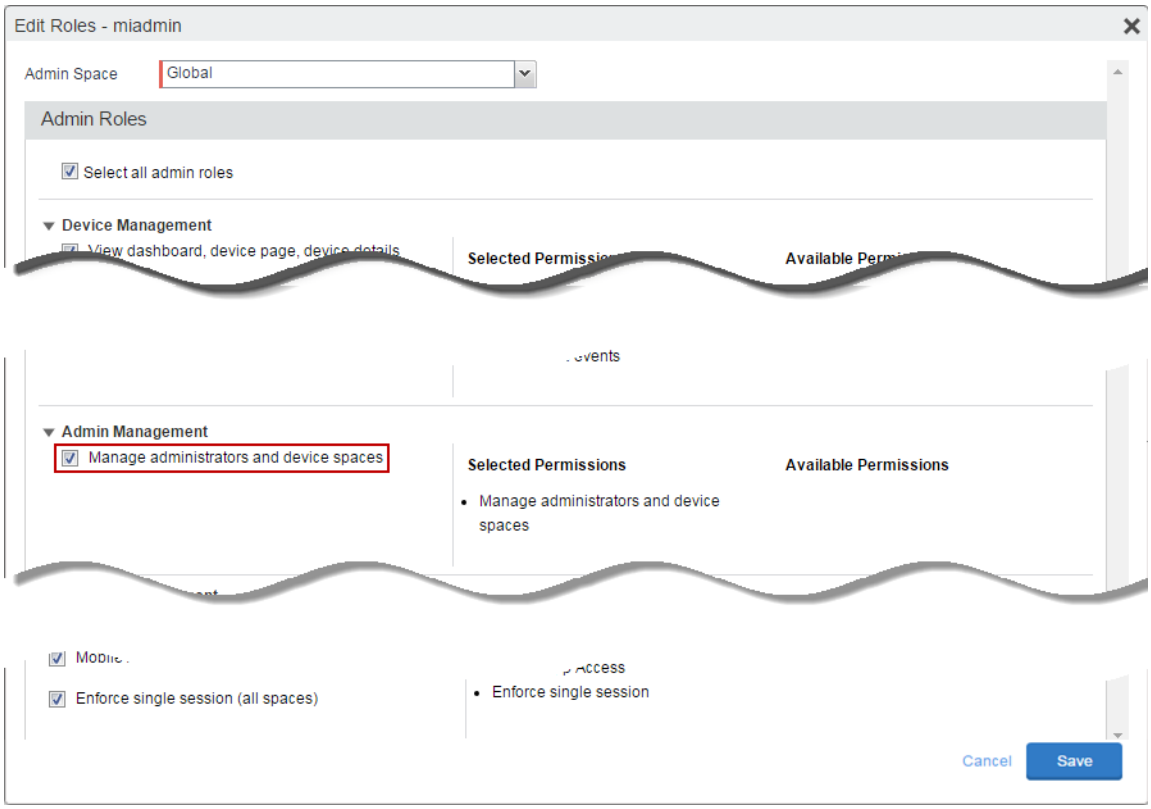
Find ldap entitites

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/ldap_entities

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required** **Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for ldap entities with the word "admin" in their name")
type	**Required** **Parameter Type:** Query **Data Type:** String **Default:** ALL Type of LDAP entity to search. May be OU, GROUP, or USER	type=user (This value instructs the call to search for LDAP users)
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000 **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

Response fields

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

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
}
```

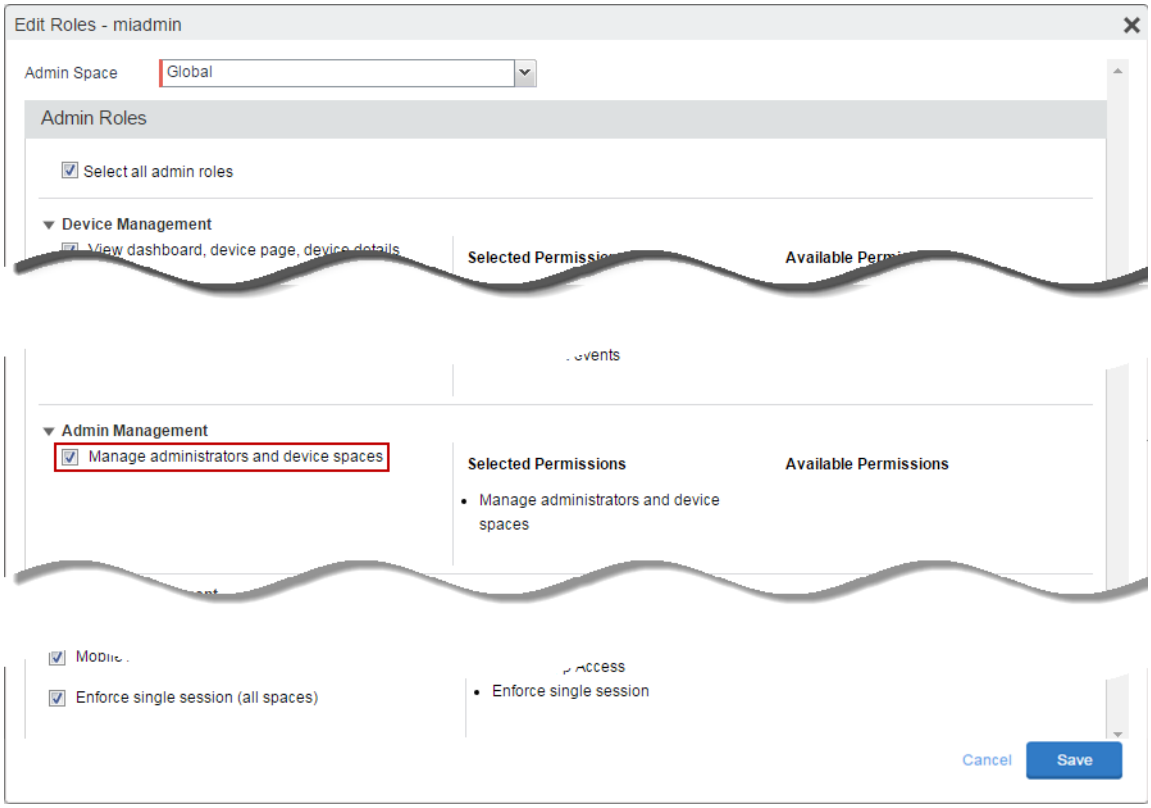
Get admin user summary

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 24, gets a list of admin users, but only returns the user ID and name for each admin user.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/user_summary

Request parameters

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

Parameter	Description	Sample Value
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for admin entities with the word "admin" in their name")
page	**Parameter Type:** Query **Data Type:** integer Instructs the API on which page of results to start returning results.	1
start	**Parameter Type:** Query **Data Type:** integer Instructs the API at which record on the specified page of results to start returning results.	0

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://mobileironcore]/api/v2/admins/user_summary?limit=50&offset=0&sortField=name&sor-
tOrder=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
}
```

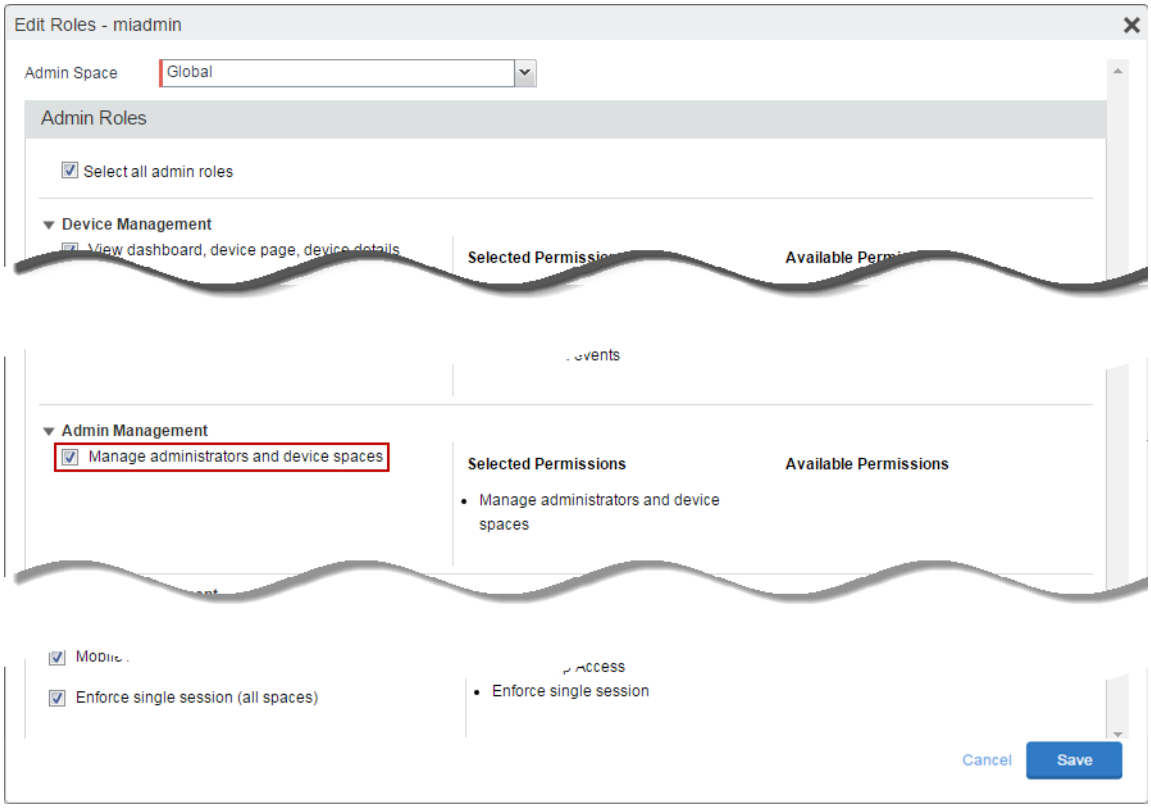
Get ldap entity summary

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 LADAP entity.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/ldap_entity_summary

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Parameter Type:** Query **Data Type:** String **Min:** 1 character **Max:** 20 characters Search expression. May be the user name, the first name, or the last name. The call returns all admin users in the absence of this parameter. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	query=admin (This value instructs the call to search for ldap entities with the word "admin" in their name")
type	**Required** **Parameter Type:** Query **Data Type:** Number **Default:** ALL Type of LDAP entity to search. May be OU, GROUP, USER, or ALL.	type=user (This value instructs the call to search for LDAP users)
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000 **Default:** 10,000 Indicates the maximum number of entries to return. Must be at least 0 and no more than 10,000.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

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

Response fields

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 bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
}
```

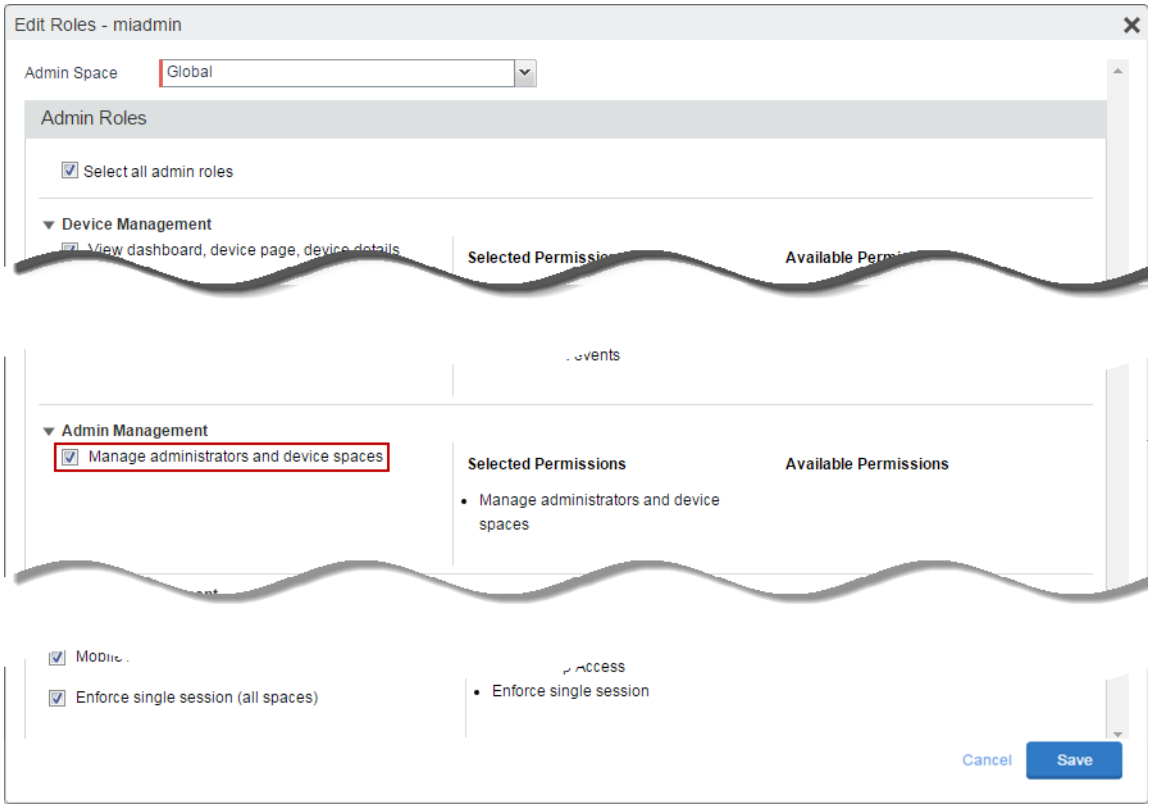
Get a list of admin roles

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 199, 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 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management
Role Description: Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/roles

Request parameters

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

Response fields

results	Container for the results set, which is an array of all roles, including the following fields for each role: category, roleAndPermissions, roleId, roleDescription, defaultSpaceOnly, and permissions. The values for roleId are the ones you use for the roles parameter when making the call described in "Assign admins to device space" on page 199.
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://[mobileironcore]/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
}
```

Chapter 4

Admin Actions Management

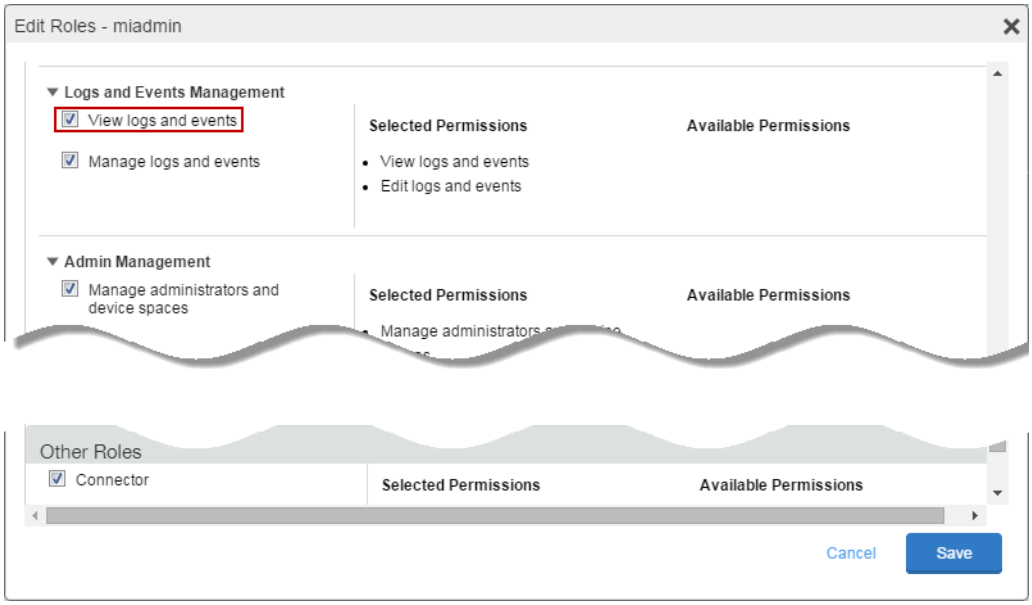
Get Action Types

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Logs and Events Management **Role Description:** View logs and events
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/admins/{source}/actions

Request parameters

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

Response fields

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

Sample request and response

Request

Get all the categories and their action types

```
curl -sS -k -u <userName>:<password> -G https://<mobileironcore>/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"
            }
        ]
    }
]
```

Chapter 5

App Inventory Management

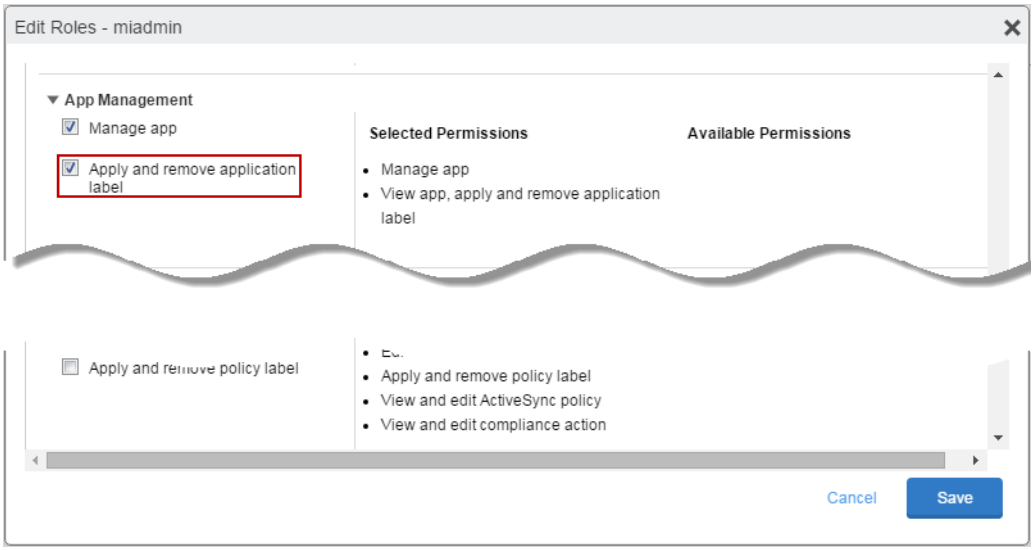
Get list of installed apps

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

Required Role
Category: App Management **Role Description:** Apply and remove application label
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/appinventory/apps

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
summaryView	**Parameter Type:** Query **Data Type:** Boolean **Default:** false Summary view returns installed apps by app ID. Detailed view returns installed apps by ID and version.	false
platformType	**Parameter Type:** Query **Data Type:** Char Specifies from which platform to return installed apps. Default to return apps from all platforms. **Valid values:** I, A, M, E, Q • I = iOS • A = Android • M = Windows Phone • E = Windows 10 and Windows 8.1 • Q = Web Application	A
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

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

Response fields

Field	Description
results	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://<mobileironcore>/api/v2/appinventory/
apps?adminDeviceSpaceId=1&limit=2&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
    }
  ]
}
```

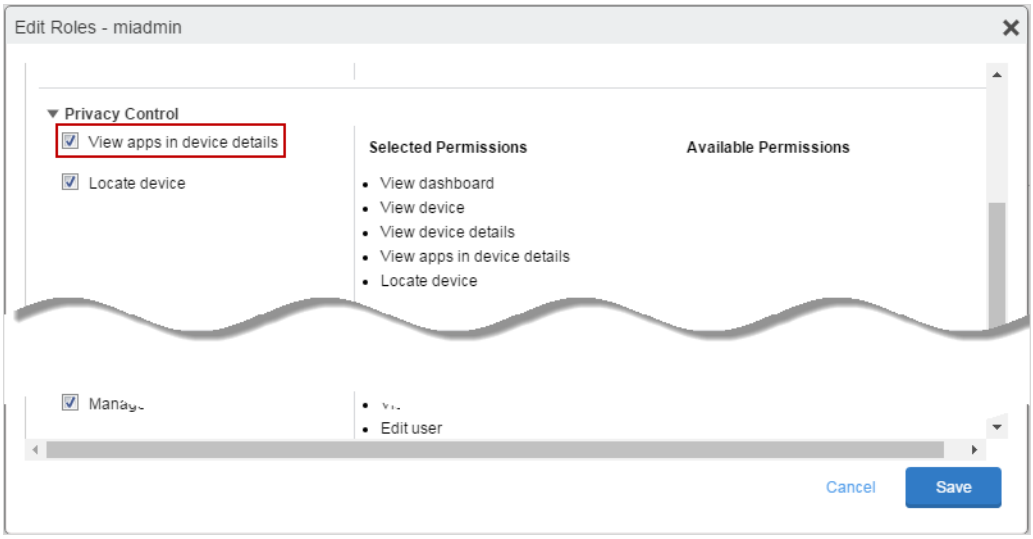
Get installed app details of a device

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Privacy Control **Role Description:** View apps in device details
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/devices/appinventory

Request parameters

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

Response fields

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

Field	Description
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 -k -sS -u <userName>:<password> -XGET 'https://<mobileironcore>/api/v2/devices/appinventory?adminDeviceSpaceId=1&deviceUuids=df5e84fa-ffc0-47d7-98c2-300a4ada396b,123&wifiMacs=AC3C0B79FED7,123'
```

Response


```
{
  "results": [
    {
      "deviceUuid": "df5e84fa-ffc0-47d7-98c2-300a4ada396b",
      "appInventory": [
        {
          "name": "MobileIron Mobile@Work\u2122 Client",
          "identifier": "com.mobileiron.phoneatwork",
          "version": "7.0.1",
          "platformType": "I",
          "status": null,
          "vpnName": null,
          "configurations": null
        },
        {
          "name": "Sudoku",
          "identifier": "com.fingerarts.sudoku2",
          "version": "4.6",
          "platformType": "I",
          "status": null,
          "vpnName": null,
          "configurations": null
```

```
        },
        {
          "name": "Web@Work",
          "identifier": "com.mobileiron.securebrowser",
          "version": "1.8.1",
          "platformType": "I",
          "status": null,
          "vpnName": null,
          "configurations": [
            {
              "typeId": 100,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
              "agentUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
              "coreUuid": null,
              "name": "App Connect Policy",
              "state": "ENABLED",
              "message": "",
              "old": false
            },
            {
              "typeId": 101,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
              "agentUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
              "coreUuid": null,
              "name": "App Connect Policy",
              "state": "ENABLED",
              "message": "",
              "old": false
            },
            {
              "typeId": 102,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
```

```
              "agentUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CD33800BEC77C910E12DAE82C6706D8E01BBCF7F1C1AC46B1A93892222F73D0B",
              "coreUuid": null,
              "name": "App Connect Policy",
              "state": "UNSUPPORTED",
              "message": "The application does not support this configuration.",
              "old": false
            },
            {
              "typeId": 103,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "0",
              "agentUuid": "0",
              "coreUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
A3E3D1156DB957D76AAABA110FE813C336FD513932C1928B1FB70D2B298603A5",
              "name": "App Connect Policy",
              "state": "PENDING_ENABLE",
              "message": "",
              "old": false
            },
            {
              "typeId": 104,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "ca603d71-4f53-4135-973b-aa7a475a93f1-1-disabled-",
              "agentUuid": "ca603d71-4f53-4135-973b-aa7a475a93f1-1-disabled-",
              "coreUuid": null,
              "name": "App Connect Config",
              "state": "DISABLED",
              "message": "",
              "old": false
            },
            {
              "typeId": 105,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "ca603d71-4f53-4135-973b-aa7a475a93f1-1-enabled-
A73C3DF07A022CCB28D1374DB2B46845EE6FECB2A9B66C3B54233F68D5D384BE",
              "agentUuid": "ca603d71-4f53-4135-973b-aa7a475a93f1-1-enabled-
A73C3DF07A022CCB28D1374DB2B46845EE6FECB2A9B66C3B54233F68D5D384BE",
              "coreUuid": null,
```

```
              "name": "App Connect Config",
              "state": "ENABLED",
              "message": "",
              "old": false
            },
            {
              "typeId": 106,
              "clientId": 1073741834,
              "appId": "com.mobileiron.securebrowser",
              "modifiedAt": 1447788938000,
              "appUuid": "0",
              "agentUuid": "0",
              "coreUuid": "53b3a9e6-eca5-4c7a-a3da-e32b45832a8a-1-enabled-
CF1C9370E9D6D03F9E32E8942C720B7B11A6244911C21E0759826C902B4DF7BC",
              "name": "App Connect Policy",
              "state": "ENABLED",
              "message": "",
              "old": false
            }
          ]
        }
      ]
    }
  ],
  "messages": [
    {
      "type": "Info",
      "messageKey": "com.mobileiron.vsp.messages.appstore.get.inventory.devices.success",
      "localizedMessage": "\"Got app inventory for devices [df5e84fa-ffc0-47d7-98c2-300a4ada396b].\""
    }
  ]
}
```

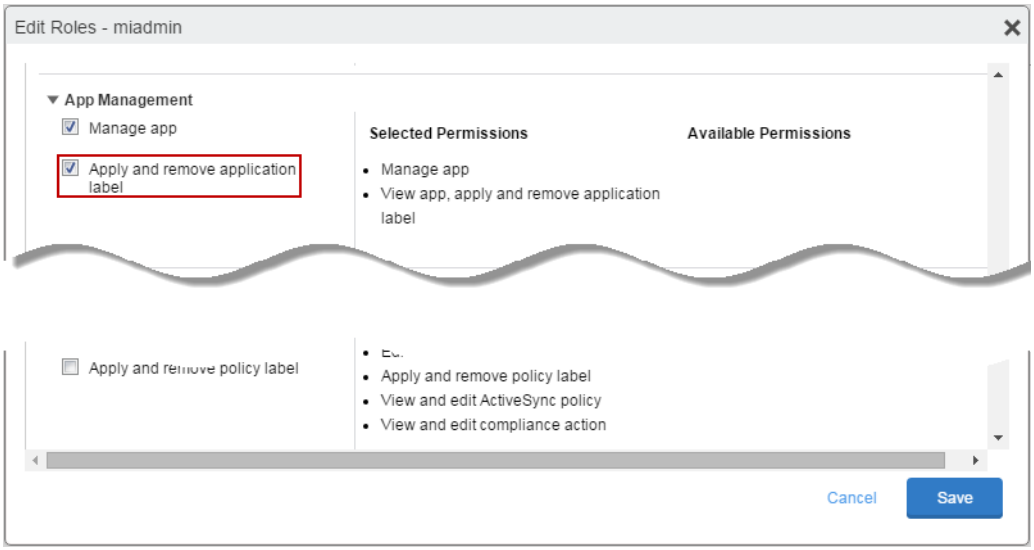
Get devices that have a specific app installed

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Apply and remove application label
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/appinventory/devices

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
inventoryId	**Required:** One of inventoryId, appName ,or AppId is mandatory. **Parameter Type:** Query **Data Type:** Integer Use /appinventory/apps?summaryView=false to get InventoryID.	14
appName	**Required:** One of inventoryId, appName ,or AppId is mandatory. **Parameter Type:** Query **Data Type:** String The name of the app.	Hangouts
appId	**Required:** One of inventoryId, appName ,or AppId is mandatory. **Parameter Type:** Query **Data Type:** String Bundle ID of the app.	com.google.hangouts
platformType	**Parameter Type:** Query **Data Type:** String Specifies from which platform to return installed apps. Default to return apps from all platforms. **Valid values:** I, A, M, E, Q • I = iOS • A = Android • M = Windows Phone • E = Windows 10 and Windows 8.1 • Q = Web Application	A
appVersion	**Parameter Type:** Query **Data Type:** String Specifies the version of the app.	5.1.20393

Parameter	Description	Sample Value
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	
sortField	**Parameter Type:** Query **Data Type:** String **Valid Values:** • **phonenumber** (device current phone number) • **username** (device user principal) • **platform** (device platform) • **version** (app inventory version)	phonenumber
sortOrder	**Parameter Type:** Query **Data Type:** String **Default:** ASC Indicates the order in which entries are returned. Values can be "ASC" or "DESC".	ASC

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://<mobileironcore>/api/v2/appinventory/
devices?adminDeviceSpaceId=1&inventoryId=14&sortField=username&sortOrder=ASC&page=1&off-
set=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
        }
    ]
}
```

Chapter 6

App Store Management

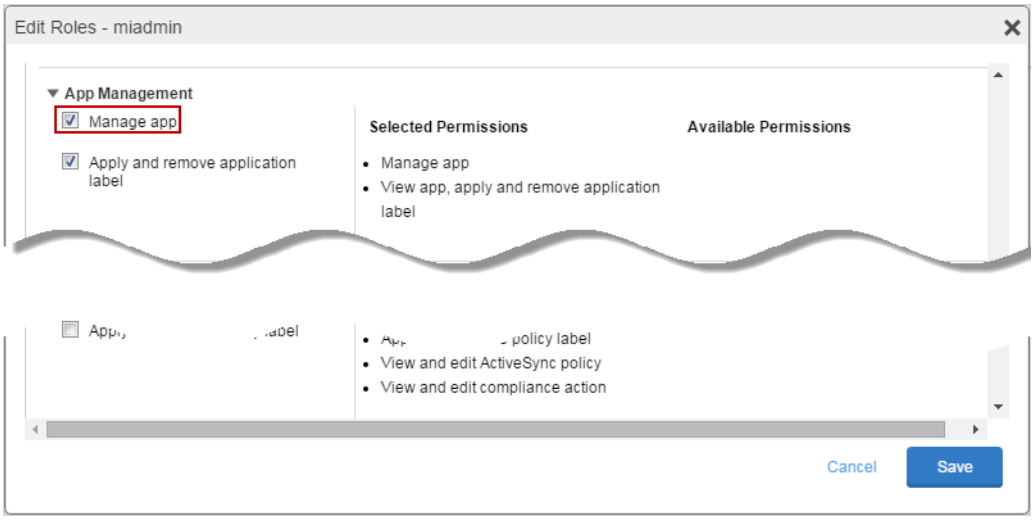
Get app data by id

This call gets app data by app id.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

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

Request parameters

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

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

Field	Description
description	
name	
id	
description	
name	
id	
tabletScreenshots	
url	
uuid	
fileName	
phoneScreenshots	
url	
uuid	
fileName	
installer	
iconFile	
url	
uuid	
fileName	
vpnIds	
modifiedAt	
createdAt	
installSize	
ratingCount	
averageRating	
currency	
cost	
updateNotes	
description	
developerName	
publicStoreId	
publicAppStoreType	
catalogType	
creatorType	
appId	
displayVersion	
altVersion	

Field	Description
version	
platformType	
name	
id	

Android 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.
secureApp	
mandatoryOverwrite	
mandatory	
codeVersion	
versionRequired	
minimumOsVersion	
restrictions	
displayValue	
values	
value	
type	
key	
title	
displayValue	
values	
value	
type	
key	
title	
permissionUpdateAvailable	
uninstallBlocked	
silentInstall	
androidWork	
cdnDisabled	
cdnServiceEnabled	
backupPrevented	
removedWhenMdmDisabled	
pushedOnRegistration	
quarantinable	
overrideURL	
dataProtectionRequired	

Field	Description
perAppVpnByLabelOnly	
featuredApp	
categories	
tabletScreenshots	
phoneScreenshots	
installer	
iconFile	
url	
uuid	
fileName	
vpnIds	
modifiedAt	
createdAt	
installSize	
ratingCount	
averageRating	
currency	
cost	
updateNotes	
description	
developerName	
publicStoreId	
publicAppStoreType	
catalogType	
creatorType	
appId	
displayVersion	
altVersion	
version	
platformType	
name	
id	

Sample request and responses

Request

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

iOS Response


```
    "messagingSupported": false,
    "provisoningProfile": null,
    "unmanagedUpdateAllowed": false,
    "hiddenInAppstore": false,
    "noCostApp": false,
    "ipadOnly": false,
    "apnsCertificate": null,
    "cdnDisabled": false,
    "cdnServiceEnabled": false,
    "backupPrevented": true,
    "removedWhenMdmDisabled": false,
    "pushedOnRegistration": false,
    "quarantinable": false,
    "overrideURL": null,
    "dataProtectionRequired": false,
    "perAppVpnByLabelOnly": false,
    "featuredApp": false,
    "categories": [
      {
        "description": "test",
        "name": "Category 1",
        "id": 1
      },
      {
        "description": "test",
        "name": "Category 2",
        "id": 2
      }
    ],
    "tabletScreenshots": [
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=031498cc-e86c-41f2-ac2e-e04dba7909dd&ext=PNG",
        "uuid": "031498cc-e86c-41f2-ac2e-e04dba7909dd",
        "fileName": "screen-shot-ipad-0.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArtifact&appid=2&uuid=bbee-
ba4d-9e0b-454d-b811-8004ac92d295&ext=PNG",
        "uuid": "bbeeba4d-9e0b-454d-b811-8004ac92d295",
        "fileName": "screen-shot-ipad-1.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=6f1bbf06-8017-4232-96f5-6de0de7eab64&ext=PNG",
        "uuid": "6f1bbf06-8017-4232-96f5-6de0de7eab64",
        "fileName": "screen-shot-ipad-2.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=b14e885e-9d95-497d-9f3b-a449bf40302f&ext=PNG",
        "uuid": "b14e885e-9d95-497d-9f3b-a449bf40302f",
        "fileName": "screen-shot-ipad-3.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=648a3e89-6c10-4c06-9417-5acb37d835e6&ext=PNG",
        "uuid": "648a3e89-6c10-4c06-9417-5acb37d835e6",
        "fileName": "screen-shot-ipad-4.png"
      }
    ],
    "phoneScreenshots": [
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=8b1ff896-19f8-49f7-8e46-dab694c50aaa&ext=PNG",
```

```
        "uuid": "8b1ff896-19f8-49f7-8e46-dab694c50aaa",
        "fileName": "screen-shot-0.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=d1ab4680-9715-4add-8e06-aef36eac8bb9&ext=PNG",
        "uuid": "d1ab4680-9715-4add-8e06-aef36eac8bb9",
        "fileName": "screen-shot-1.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=476257bf-e536-4705-b922-9e9d0e74be9f&ext=PNG",
        "uuid": "476257bf-e536-4705-b922-9e9d0e74be9f",
        "fileName": "screen-shot-2.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=6a8e8f9c-2151-4046-82d1-aa4cbf1a4b73&ext=PNG",
        "uuid": "6a8e8f9c-2151-4046-82d1-aa4cbf1a4b73",
        "fileName": "screen-shot-3.png"
      },
      {
        "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=bb419df0-e0a3-442a-a94a-c14f7a37974d&ext=PNG",
        "uuid": "bb419df0-e0a3-442a-a94a-c14f7a37974d",
        "fileName": "screen-shot-4.png"
      }
    ],
    "installer": null,
    "iconFile": {
      "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=2&uuid=bbd6099d-b4e4-40e6-8931-43e5cf244adc&ext=PNG",
      "uuid": "bbd6099d-b4e4-40e6-8931-43e5cf244adc",
      "fileName": "logo.png"
    },
    "vpnIds": [],
    "modifiedAt": 1437595037000,
    "createdAt": 1437410736000,
    "installSize": 52363942,
    "ratingCount": 31,
    "averageRating": 4.5,
    "currency": "USD",
    "cost": 0.0,
    "updateNotes": "64 bit support & bug fixes.",
    "description": "The Accellion iOS Mobile App is designed for Accellion business and enterprise
customers. Mobile business users can access their Accellion Secure Mobile File Sharing environment to
share files, collaborate in real-time, edit documents, and move projects forward while ensuring
enterprise data security. \n\nThis Accellion iOS Mobile App lets users:\n\u2022Securely create, edit
and view Microsoft Office files (Excel, Powerpoint and Word) using Accellion Mobile Productivity
Suite, either online or offline.\n\u2022Securely print content from Accellion\u2019s secure container
to on-premise corporate printers without connecting to corporate network.\n\u2022Securely browse,
upload, send, and share files and folders on-the-go.\n\u2022Secure mobile access to enterprise con-
tent stores (SharePoint, Windows File Shares etc.), without VPN.\n\u2022Lock/unlock files on Accel-
lion workspace and SharePoint.\n\u2022Bulk upload/download multiple files and One click download/
upload files.\n\u2022Preview content without downloading, through server-side viewers for all busi-
ness file types, including: Word, Excel, PowerPoint, images, PDF, webpages and 300+ more document
formats.\n\u2022Use mobile contacts for sending files and sharing folders through links in
email.\n\u2022Collaborate in real-time by adding or replying to comments on files and fold-
ers.\n\n\nThe Accellion admin interface for IT allows configuration of security access control for
enterprise content, including:\n\u2022Log in using corporate LDAP credentials.\n\u2022Encrypt files
in transit and save files in an AES-256 bit encrypted container on the mobile device for offline
use.\n\u2022Whitelist 3rd party applications. \n\u2022Flexibility for BYOD or company-provisioned
devices.\n\u2022Role-based access controls to internal or external users of shared work-
spaces.\n\u2022PIN-based access to locally saved files for offline viewing and editing. \n\u2022On-
premise, in-the-cloud, and hybrid solutions. \n\u2022Audit trails and usage/activity logs.\n\nThis
Accellion iOS Mobile App requires a user account on an Accellion Mobile File Sharing system. This app
provides mobile business users the flexibility to use their own devices to securely share information
with both internal and external collaborators without compromising enterprise data security and com-
pliance.",
```

```
    "developerName": "Accellion, Inc.",
    "publicStoreId": "437918847",
    "publicAppStoreType": "ITUNES",
    "catalogType": "APP",
    "creatorType": "SYSTEM",
    "appId": "com.accellion.AccellionIPhone",
    "displayVersion": null,
    "altVersion": "",
    "version": null,
    "platformType": "IPhone",
    "name": "Accellion",
    "id": 2
  }
}
```


Android response


```
{
  "messages": [
    {
      "localizedMessage": "App successfully fetched.",
      "messageKey": "com.mobileiron.vsp.messages.appstore.get.app.success",
      "type": "Info"
    }
  ],
  "results": {
    "secureApp": false,
    "mandatoryOverwrite": true,
    "mandatory": false,
    "codeVersion": "4",
    "versionRequired": false,
    "minimumOsVersion": "8",
    "restrictions": [
      {
        "displayValue": null,
        "values": null,
        "value": "false",
        "type": "BOOL",
        "key": "can_read_personal_emails",
        "title": "Can Read Personal Emails"
      },
      {
        "displayValue": "Iromman's email",
        "values": null,
        "value": "ironman@mobileiron.com",
        "type": "STRING",
        "key": "email_address",
        "title": "Email Address"
      },
      {
        "displayValue": null,
        "values": [
          "bbanner@mobileiron.com",
          "todinson@mobileiron.com",
          "tChalla@mobileiron.com"
        ],
        "value": null,
        "type": "MULTISELECT",
        "key": "friends",
        "title": "Friends"
      }
    ],
    "permissionUpdateAvailable": false,
    "uninstallBlocked": false,
    "silentInstall": false,
```

```
    "androidWork": true,
    "cdnDisabled": false,
    "cdnServiceEnabled": false,
    "backupPrevented": false,
    "removedWhenMdmDisabled": false,
    "pushedOnRegistration": false,
    "quarantinable": false,
    "overrideURL": null,
    "dataProtectionRequired": false,
    "perAppVpnByLabelOnly": false,
    "featuredApp": true,
    "categories": [],
    "tabletScreenshots": [],
    "phoneScreenshots": [],
    "installer": null,
    "iconFile": {
      "url": "/mifs/image/app.html?command=getAppArtifact&action=getAppArti-
fact&appid=13&uuid=321974ec-4c86-418b-8e8b-74cc8e806a17&ext=PNG",
      "uuid": "321974ec-4c86-418b-8e8b-74cc8e806a17",
      "fileName": "icon.png"
    },
    "vpnIds": [],
    "modifiedAt": 1437412261000,
    "createdAt": 1437412227000,
    "installSize": 862911,
    "ratingCount": null,
    "averageRating": null,
    "currency": null,
    "cost": null,
    "updateNotes": "",
    "description": "",
    "developerName": null,
    "publicStoreId": null,
    "publicAppStoreType": null,
    "catalogType": "APP",
    "creatorType": "ADMIN",
    "appId": "com.fischerklasgmail.geometrics",
    "displayVersion": null,
    "altVersion": "4",
    "version": "4",
    "platformType": "Android",
    "name": "Geometrics",
    "id": 13
  }
}
```

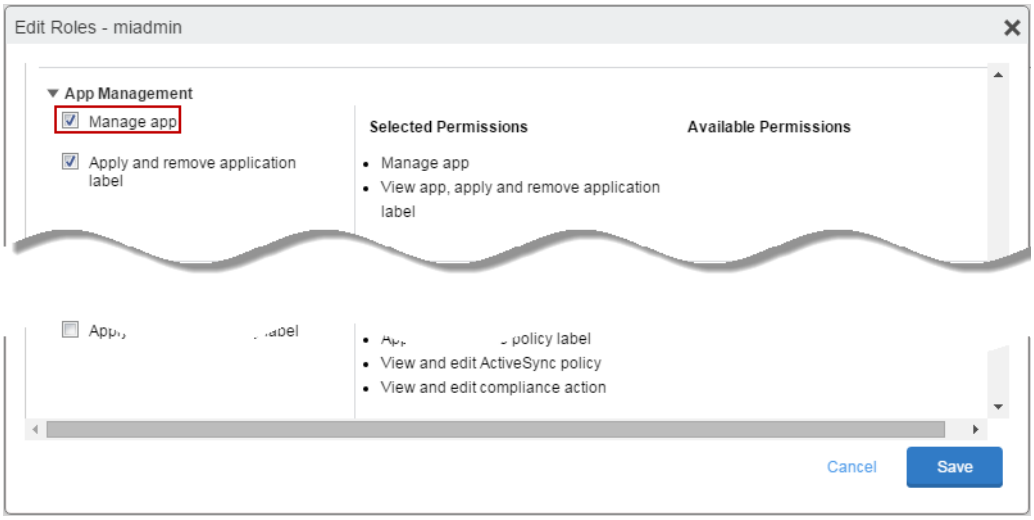
Search Apple iTunes App Store by name/description

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

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/appstore/itunes

Request parameters

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

Response fields

Field	Description
messageKey	Message key for the localized message bundle.
messageParameters	Parameters for the localized message.
localizedMessageWithParameters	Localized message with parameters unresolved.
localizedMessage	localized message with parameters resolved.
result	An array of retrieved objects shown in the following rows.
artistId	
artistName	
artistViewUrl	
artworkUrl60	
artworkUrl100	
artworkUrl512	
averageUserRating	
averageUserRatingForCurrentVersion	

Field	Description
contentAdvisoryRating	
currency	
description	
features	
fileSizeBytes	
genres	
genreIds	
ipadScreenshotUrls	
isGameCenterEnabled	
kind	
languageCodesISO2A	
price	
primaryGenreId	
primaryGenreName	
releaseNotes	
screenshotUrls	
sellerName	
sellerUrl	
supportedDevices	
trackCensoredName	
trackId	
trackName	
trackViewUrl	
releaseDate	
trackContentRating	
userRatingCount	
userRatingCountForCurrentVersion	
version	
wrapperType	
catalogVer	
bundleId	
free	
ipadOnly	

Sample request and response

Request

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

Response


```
{
    "messageKey": "com.mobileiron.vsp.messages.appstore.apple.lookup.app.success",
    "messageParameters": [
        1
    ],
    "localizedMessageWithParameters": "App lookup returned ''{0}'' results.",
    "localizedMessage": "App lookup returned '1' results.",
    "result": [
        {
            "artistId": 320659797,
            "artistName": "MobileIron",
            "artistViewUrl": "https://itunes.apple.com/us/artist/mobileiron/id320659797?uo=4",
            "artworkUrl60": "http://a606.phobos.apple.com/us/r30/Purple4/v4/40/e0/5c/40e05c06-3cc4-
4a7a-9510-f350d549c08f/Icon.png",
            "artworkUrl100": "http://a215.phobos.apple.com/us/r30/Purple3/v4/c0/e8/79/c0e879a6-a223-
e8bf-5dcb-56ec70d925b6/mzl.emcoqmwq.png",
            "artworkUrl512": "http://a215.phobos.apple.com/us/r30/Purple3/v4/c0/e8/79/c0e879a6-a223-
e8bf-5dcb-56ec70d925b6/mzl.emcoqmwq.png",
            "averageUserRating": 3.5,
            "averageUserRatingForCurrentVersion": 3,
            "contentAdvisoryRating": "4+",
            "currency": "USD",
           "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 col-
leagues.\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-eecb-e7fd-02f2-
06ba1875d4cc/screen322x572.jpeg"
            ],
            "sellerName": "MobileIron",
            "sellerUrl": "http://www.mobileiron.com",
            "supportedDevices": [
                "iPhone4S",
                "iPhone4",
                "iPadFourthGen",
                "iPhone5",
                "iPhone5s",
                "iPhone5c",
                "iPadThirdGen4G",
                "iPhone-3GS",
                "iPadThirdGen",
                "iPad2Wifi",
                "iPadMini4G",
                "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
        }
    ]
}
```

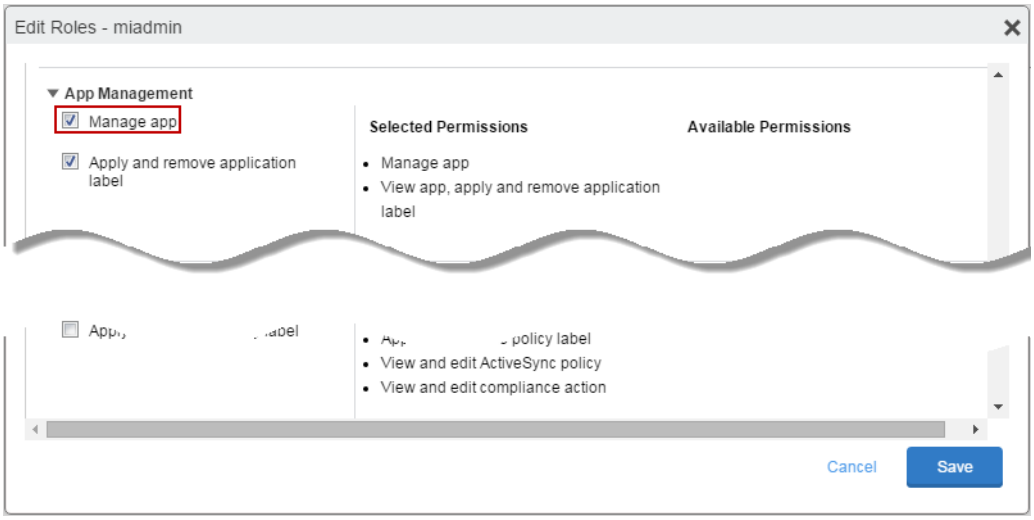
Import iTunes app by track id

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

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/appstore/itunes

Request parameters

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

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	

Field	Description
version	
altVersion	
displayVersion	
appId	
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	
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
apnsCertificate	
ipadOnly	
noCostApp	

Field	Description
provisioningProfile	
messagingSupported	

Sample request and response

Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://<mobileironcore>/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 fil-
ter options.\n- Get exclusive deals for hotels in your area tonight by using our \u201cTonight\u2019s
Local Deals\u201d feature.\n- Save all your favorite hotels to easily compare between features and
prices.\n- Easy-to-use map view to discover all the hotels around you. \n\nBOOK\n- Collect 10 nights
with us and get 1 free* with Hotels.com\u00ae Rewards\n- Choose when to pay. Either when you book or
when you stay at the hotel.\n- Securely store your payment details for fast, easier and safe book-
ings.\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 Bal-
ance updates after stay has been completed.\n\nContinued use of GPS running in the background can dra-
matically decrease battery life.",
    "updateNotes": "- Optimised for iOS 9!\n- We've made some improvements on our side so you can bet-
ter 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."
    }
  ]
}
```

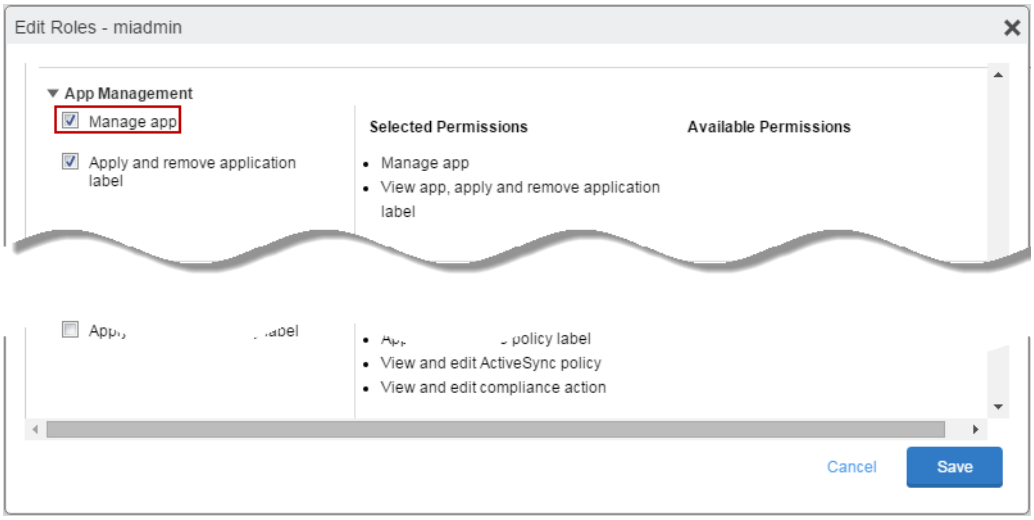
Search Google Play by keyword

This call searches Google Play for apps using keywords.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/appstore/googleplay

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
query	**Required** **Parameter Type:** Query **Data Type:** String Keyword from the app name or description.	facebook
countryCode	**Parameter Type:** Query **Data Type:** String **Default:** The browser's locale country code. The two character ISO code of the country within which the app should be looked up.	US
languageCode	**Parameter Type:** Query **Data Type:** String **Default:** The browser's locale language code. The ISO code of the language for the description of the app, if available.	EN

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	

Field	Description
shortDescription	
ratings	
developerName	

Sample request and response

Request

```
curl -G -k -sS -u <userName>:<password> 'https://<mobileironcore>/api/v2/appstore/google-play?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_8zAprmywdn5DQfBH-vxZurs1=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 appsNow 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/GPDownload1Still 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_uk2og2f59K8IOx5TfPsXjFVwxaH-VnUbuEjc=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"
      }
   ]
}

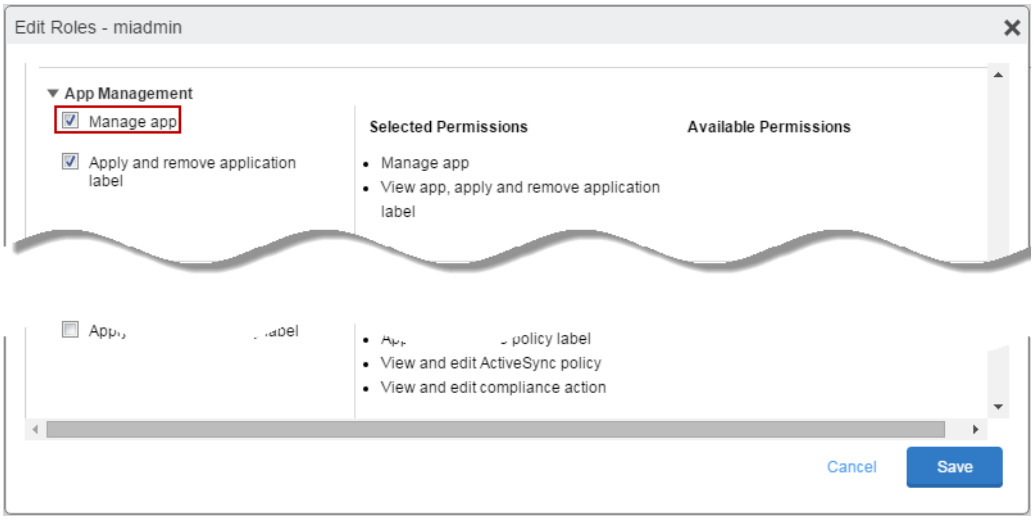
Search for a Windows app

This call searches for a Windows app.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/appstore/windowsStore

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
searchText	**Required** **Parameter Type:** Query **Data Type:** String Keyword from the app name or description.	Apps%40Work
storeType	**Required** **Parameter Type:** Query **Data Type:** String They type of Windows store to search. Valid values are: • WIN_PHONE • WIN8 • WIN10	WIN8
languageCode	**Parameter Type:** Query **Data Type:** String **Default:** The browser's locale language code. The ISO code of the language for the description of the app, if available.	en-us
limit	**Parameter Type:** Query **Data Type:** Number Indicates the maximum number of entries to return. Must be at least 0 and no more than 200. 0 returns all results.	

Response fields

Field	Description
results	Results container for array of fields shown below.
title	
appId	
version	
imageIds	
publisher	
category	

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

Sample request and response

Request

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

Response

```
{
    "results": [
        {
            "title": "Apps@Work",
            "appId": "24e948cc-dd86-44b1-9c5a-5793231b54b7",
            "version": "N/A",
            "imageIds": [ ],
            "publisher": null,
            "category": null,
            "releaseDate": null,
            "inAppCatalog": false,
            "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/6bd36ad9-5b2c-4c52-abae-
32df0c58e9b2/AppTile.2.254408.1.png",
           "browserLink": "http://apps.microsoft.com/windows/en-us/app/apps@work/24e948cc-dd86-44b1-
9c5a-5793231b54b7",
            "bgColor": "#464646",
            "identifier": "MobileIronInc.MobileWork_46hhcags7zat8"
        },
        {
            "title": "Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections",
            "appId": "ccf8eda8-f26a-4663-a877-68d8a8e8e247",
            "version": "N/A",
            "imageIds": [ ],
            "publisher": null,
            "category": null,
            "releaseDate": null,
            "inAppCatalog": false,
            "imageIconUrl": "http://wscont1.apps.microsoft.com/winstore/1x/4206466b-44f9-4d68-89b6-
aad4ffc430fd/AppTile.2.355596.1.png",
           "browserLink": "http://apps.microsoft.com/windows/en-us/app/canvas-business-forms,-apps,-
work-orders,-dispatch---inspections/ccf8eda8-f26a-4663-a877-68d8a8e8e247",
            "bgColor": "#464646",
```

```
            "identifier": "57E60260.CanvasBusinessAppsForms_81m5mmnk14ej2"
        },
        {
            "title": "Formotus Pro",
            "appId": "5b493605-bea0-4626-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
}
```

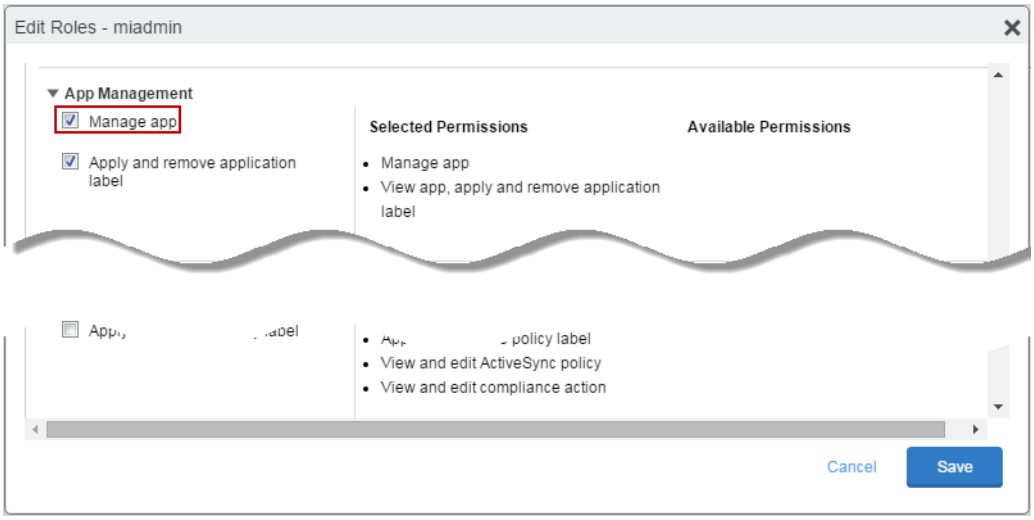
Import a public Windows app

This call imports a public Windows app.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
appId	**Required** **Parameter Type:** Path and Request body **Data Type:** String You repeat this value in the request path and request body.	ccf8eda8-f26a-4663-a877-68d8a8e8e247
version	**Required** **Parameter Type:** Request body **Data Type:** String Send N/A if no app version.	N/A
title	**Parameter Type:** Request body **Data Type:** String app description.	Canvas Business Forms, Apps, Work Orders, Dispatch & Inspections
storeType	**Required** **Parameter Type:** Query **Data Type:** String They type of Windows store to search. Valid values are: • WIN_PHONE • WIN8 • WIN10	WIN8

Response fields

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

Field	Description
creatorType	
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	
dataProtectionRequired	
overrideURL	
quarantinable	
pushedOnRegistration	
backupPrevented	
cdnServiceEnabled	
cdnDisabled	
silentUpgradeInstall	
aetAppSettingId	
desktopApp	
messages	Container for messages information.

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

Sample request and response

Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://<mobileironcore>/api/v2/appstore/windowsS-
tore/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=getAppArti-
fact&appid=121&uuid=e2ee1174-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": [ ]
        }
    ]
}
```

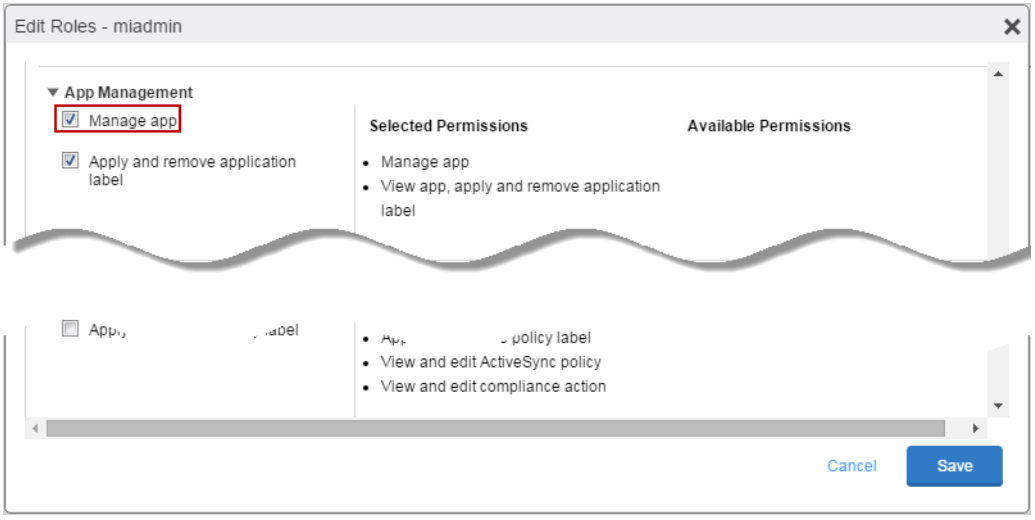
Upload an in house app

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.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

/api/v2/appstore/inhouse

Request parameters

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

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.
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://<mobile-ironcore>/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."
        }
    ]
}
```

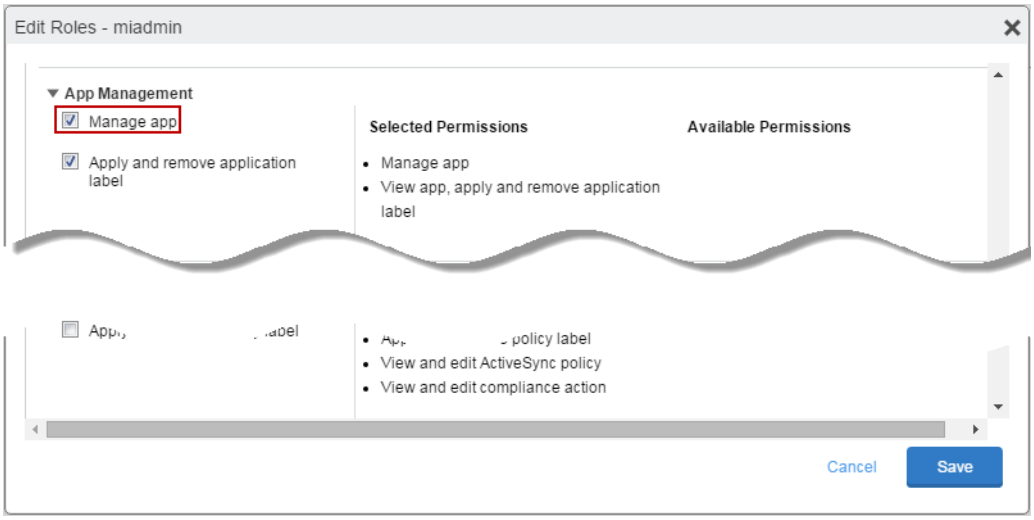
Add a web application

This call adds a web application

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

/api/v2/appstore/webapp

Request parameters

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

Response fields

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

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	
installSize	
ratingCount	
averageRating	
currency	
cost	
updateNotes	
description	
developerName	
publicStoreId	
publicAppStoreType	
catalogType	
creatorType	

Field	Description
appId	
displayVersion	
altVersion	
version	
platformType	
name	
id	

Sample request and response

Request

```
curl -X POST -G -k -sS -u <userName>:<password> 'https://<mobileironcore>/api/v2/appstore/
webapp?adminDeviceSpaceId=1' --data 'name=Online%20Meet%20Entries&webAppUrl=http%3A%2F%2Fome.swim-
connection.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://app846.auto.mobileiron.com/mifs/image/app.html?command=getAppRe-
source&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."
        }
    ]
}
```

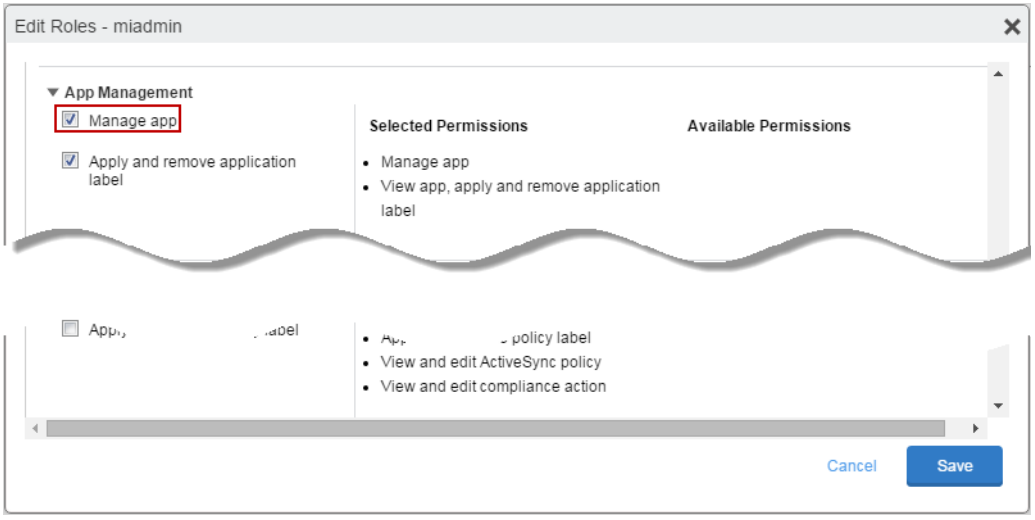
Update app data

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

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Query **Data Type:** Number The app's ID. You can find it by issuing the GET /api/v2/appstore/apps call without an ID.	2
appData	**Required** **Parameter Type:** Query **Data Type:** String A file containing a JSON string representation of the app fields to modify, as one of the Multipart request parts. Available fields vary by platform type. See Common appData request parameters, iOS appData request parameters, and Android appData request parameters below.	/Users/ssmith/editreq2.json
icon	**Parameter Type:** Query **Data Type:** Multipart file Icon file to replace any existing icon.	icon=@/Users/ssmith/icon.png
phoneScreenshot	**Parameter Type:** Query **Data Type:** Multipart file An array of phone screenshot files to add to existing screenshots.	phoneScreenshot=@/Users/ssmith/ss1.png
tabletScreenshot	**Parameter Type:** Query **Data Type:** Multipart file An array of tablet screenshot files to add to existing screenshots..	tabletScreenshot=@/Users/ssmith/tss1.png

Common appData request parameters

Parameter	Description	Sample Value
appId	**Required** **Parameter Type:** Request body **Data Type:** Number The appId of the app to update.	
platformType	**Required** **Parameter Type:** Request body **Data Type:** String The platform type on which the app runs.	iPhone
name	**Parameter Type:** Request body **Data Type:** String	
description	**Parameter Type:** Request body **Data Type:** String	
publicStoreId	**Parameter Type:** Request body **Data Type:** String	
featuredApp	**Parameter Type:** Request body **Data Type:** Boolean	
perAppVpnByLabelOnly	**Parameter Type:** Request body **Data Type:** Boolean	
quarantinable	**Parameter Type:** Request body **Data Type:** Boolean	
pushedOnRegistration	**Parameter Type:** Request body **Data Type:** Boolean	
backupPrevented	**Parameter Type:** Request body **Data Type:** Boolean	
dataProtectionRequired	**Parameter Type:** Request body **Data Type:** Boolean	
overrideURL	**Parameter Type:** Request body **Data Type:** String	
cdnDisabled	**Parameter Type:** Request body **Data Type:** Boolean	
vpnIds	**Parameter Type:** Request body **Data Type:** Integer VPN ID's. Replaces any existing VPN ID's	

Parameter	Description	Sample Value
categories	**Parameter Type:** Request body **Data Type:** Integer ID's of categories. Replaces any existing category associations.	
deletedResources	**Parameter Type:** Request body **Data Type:** String UUID's of resources to delete.	

iOS appData request parameters

Parameter	Description	Sample Value
noCostApp	**Required** **Parameter Type:** Request body **Data Type:** Boolean	
hiddenInAppstore	**Required** **Parameter Type:** Request body **Data Type:** Boolean	
ipadOnly	**Parameter Type:** Request body **Data Type:** Boolean	

Android appData request parameters

Parameter	Description	Sample Value
mandatory	**Required** **Parameter Type:** Request body **Data Type:** Boolean	
versionRequired	**Required** **Parameter Type:** Request body **Data Type:** Boolean	
minimumOsVersion	**Parameter Type:** Request body **Data Type:** String	
androidWork	**Parameter Type:** Request body **Data Type:** Boolean	
silentInstall	**Parameter Type:** Request body **Data Type:** Boolean	

Parameter	Description	Sample Value
uninstallBlocked	**Parameter Type:** Request body **Data Type:** Boolean	
restrictions	**Parameter Type:** Request body **Data Type:** Object Array of Android For Work app restrictions.	[{"displayValue": null, "values": null, "value": "false", "type": "BOOL","key": "can_read_personal_emails", "title": "Can Read Personal Emails"}]

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

```
curl -k -sS -u <userName>:<password> -XPOST 'https://<mobileironcore>/api/v2/appstore/apps/update/
15?adminDeviceSpaceId=1' -F "appData=</Users/ssmith/editreq2.json" -F phoneScreenshot=@/Users/
ssmith/ss1.png -F phoneScreenshot=@/Users/ssmith/ss2.png -F icon=@/Users/ssmith/icon.png
```

Response

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

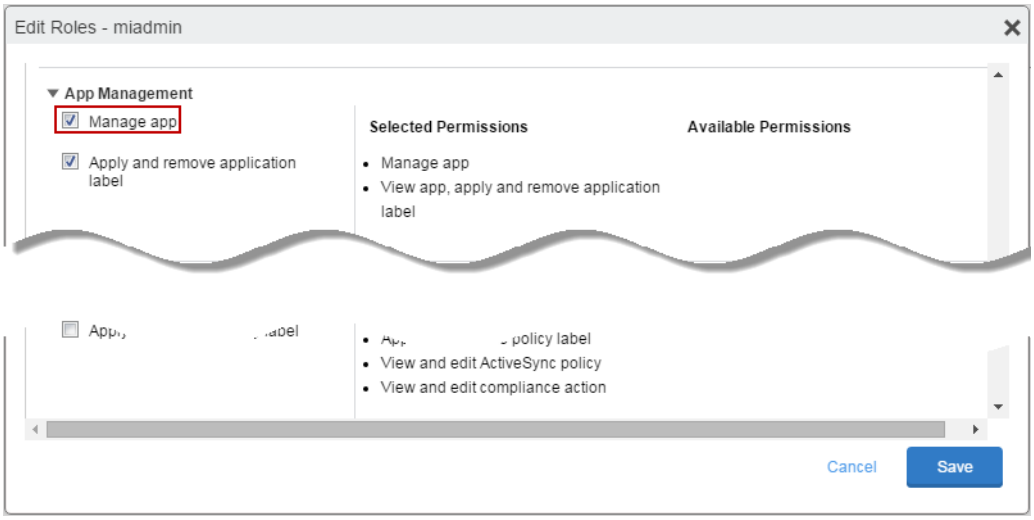
Upload app screenshot

This call uploads an app screenshot.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

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

Request parameters

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

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://<mobileironcore>/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=d9a45b45-
05d6-4526-b458-92404d6453fd&ext=PNG",
    "uuid": "d9a45b45-05d6-4526-b458-92404d6453fd",
    "fileName": "evernote_tablet2.png"
  }
}
```

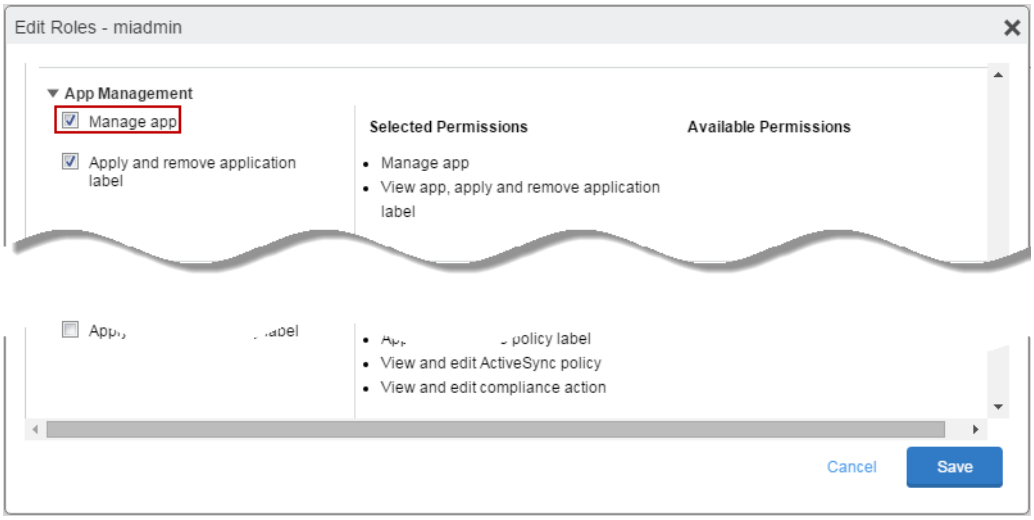
Get all app categories

This call gets a list of all app categories.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/appstore/categories

Request parameters

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

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://<mobileironcore>/api/v2/appstore/catego-
ries?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
    }
  ]
}
```

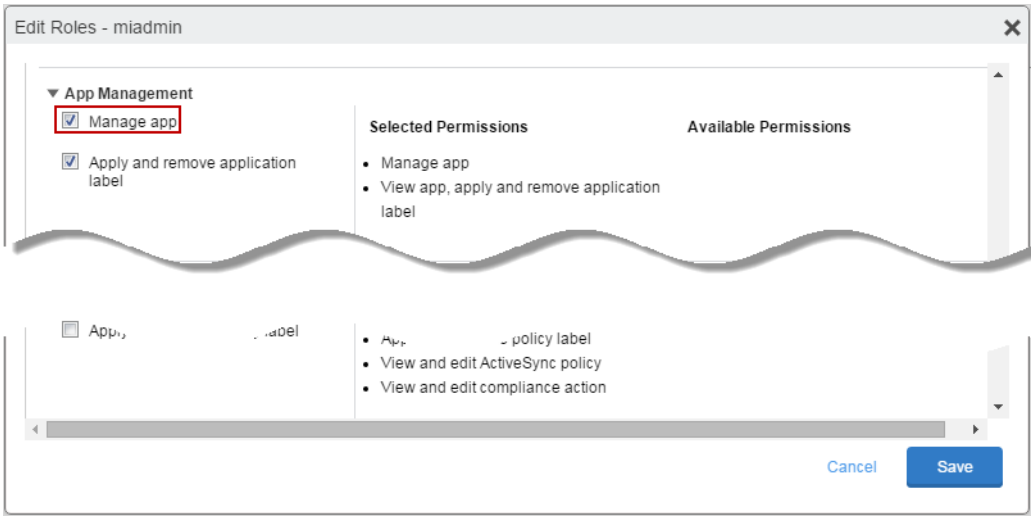
Get information about a specific app category

This call returns information about a specific app category.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

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

Request parameters

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

```
  }
}
```

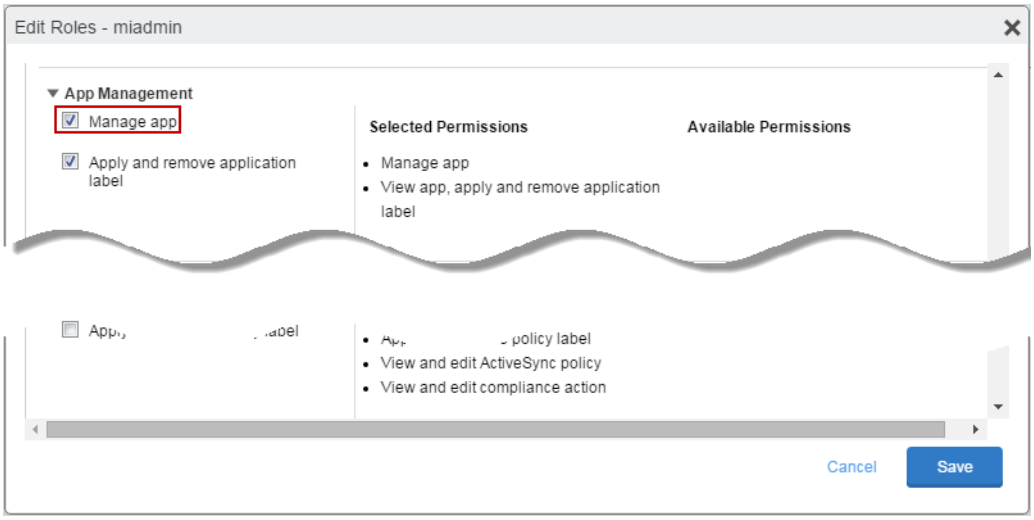
Create an app category

This call creates an app category.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

/api/v2/appstore/categories

Request parameters

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

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://<mobileironcore>/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
}
```

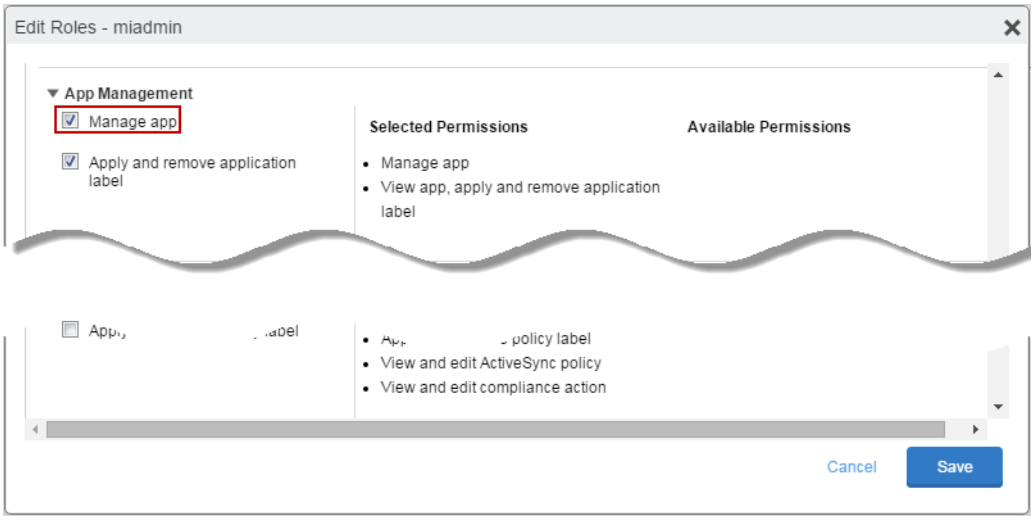
Edit an app category

This call edits an app category.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

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

Request parameters

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

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://<mobileironcore>/api/v2/appstore/categories/
1?adminDeviceSpaceId=1'
```

Response

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

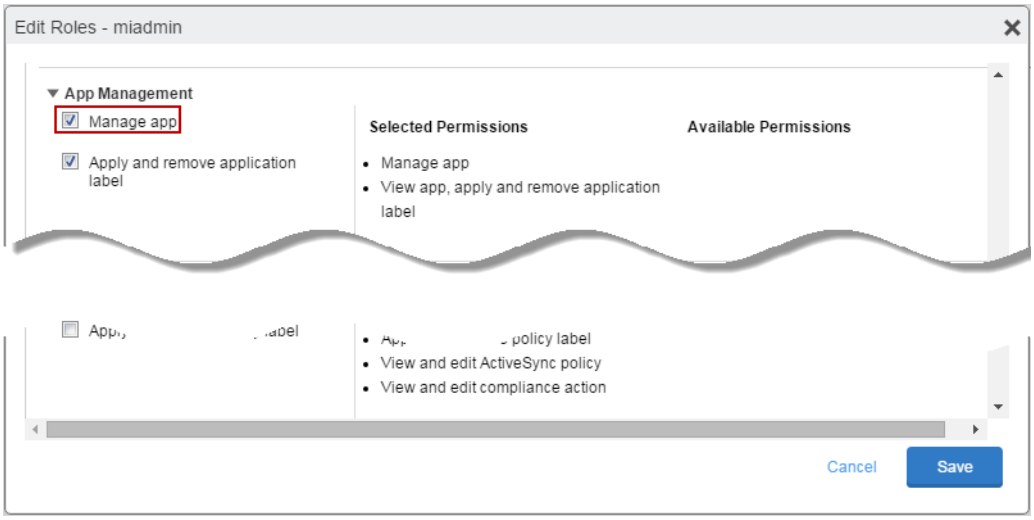
Delete an app category

This call deletes an app category.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

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

Request parameters

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

Response fields

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

Sample request and response

Request

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

Response

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

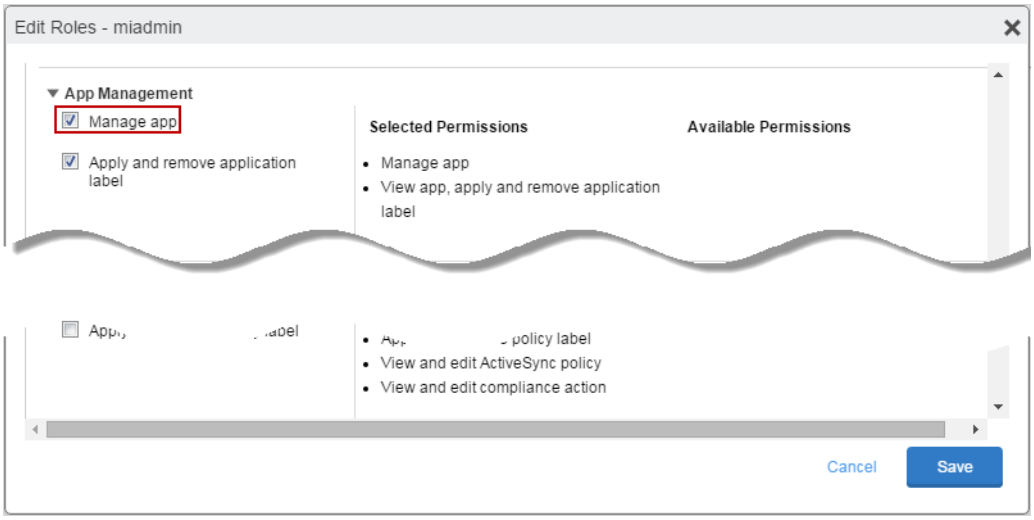
Get per app list of VPNs

This call gets the list of available per app VPNs.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/appstore/perappvpns

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://<mobileironcore>/api/v2/appstore/perap-pvpns?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
    }
  ]
}
```

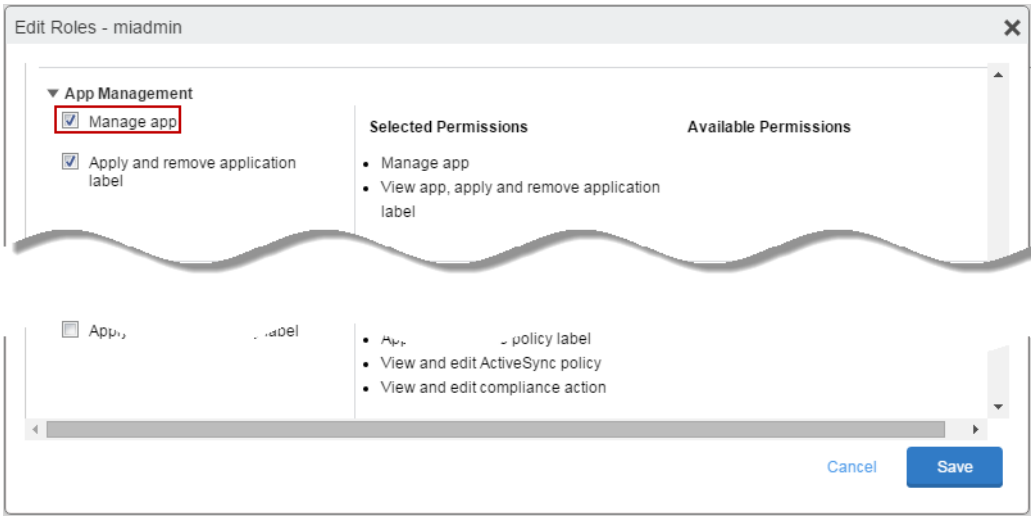
Delete an app

This call removes an app.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
ids	**Required** **Parameter Type:** Query **Data Type:** Number ID of the app to remove.	119

Response fields

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

Sample request and response

Request

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

Response

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

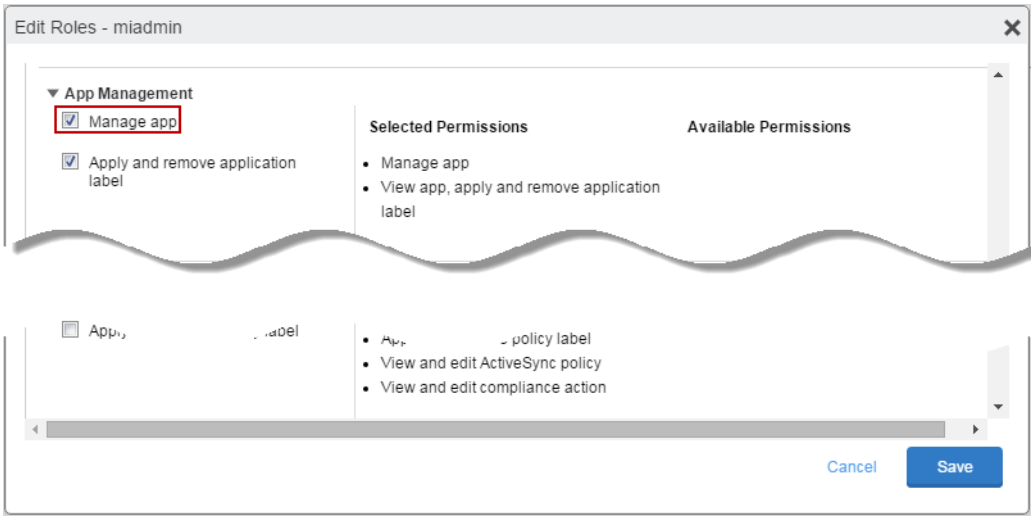
Send a message to an app

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Manage app
Finding this role in MobileIron Core



HTTP method

POST

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
id	**Required** **Parameter Type:** Path **Data Type:** Number ID of the app to which to send the message.	117
installIncluded	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, send message for new installs.	false
updateIncluded	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, send message for updates.	false
pushApp	**Parameter Type:** Request body **Data Type:** Boolean **Default:** false If true, push the app.	false
convertToManaged	**Parameter Type:** Boolean **Data Type:** Number **Default:** false If true, convert un-managed to managed app.	false
deviceUuids	**Parameter Type:** Request body **Data Type:** Array of string **Default:** null If not null, specifies a specific set of devices to receive the message. If null, devices to receive the message will be determined based on labels.	["a2b149e8-817d-484b-874c-e2113b8524b8", "a8733819-eea9-4e43-b87e-2824d02f7bcf"]

Response fields

Field	Description
messages	Container for messages information.
messageParameters	Parameters for the localized message.

Field	Description
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, "devi-
ceUuids":["a2b149e8-817d-484b-874c-e2113b8524b8", "a8733819-eea9-4e43-b87e-2824d02f7bcf"] }' -XPOST
'https://<mobileironcore>/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
}
```

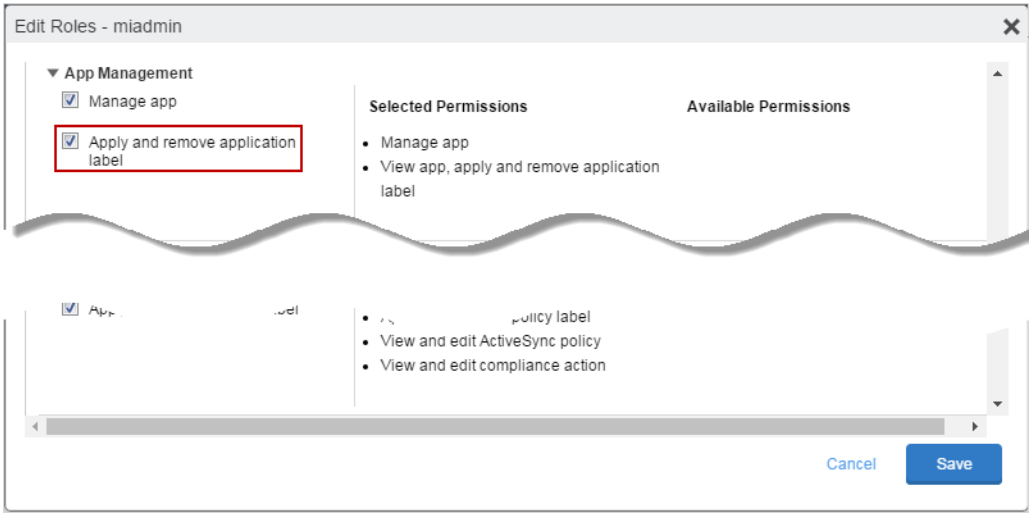
Apply Apps To Labels

This call applies apps to labels.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Apply and remove application label
Finding this role in MobileIron Core



HTTP method

PUT

Request URI

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

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl -k -sS -u <userName>:<password> -XPUT 'https://<mobileironcore>/api/v2/appstore/apps/119/labels/
-1?adminDeviceSpaceId=1'
```

Response

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

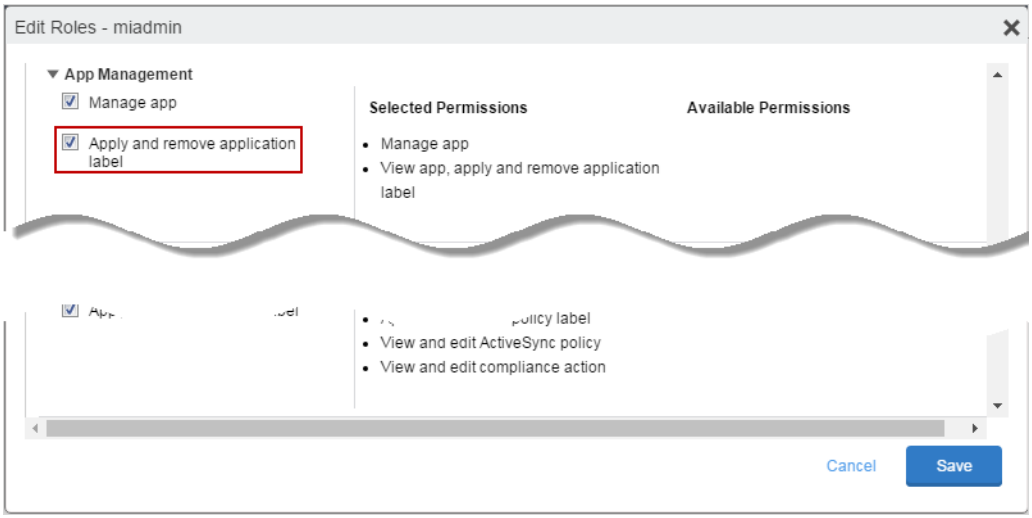
Remove Apps From Labels

This call removes apps from labels.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: App Management **Role Description:** Apply and remove application label
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

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

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
appIds	**Required** **Parameter Type:** Path **Data Type:** Number IDs of the apps to remove from labels.	119
labelIds	**Parameter Type:** Path **Data Type:** Number ID of the labels from which to remove the apps.	-1

Response fields

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

Sample request and response

Request

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

Response

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

Chapter 7

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

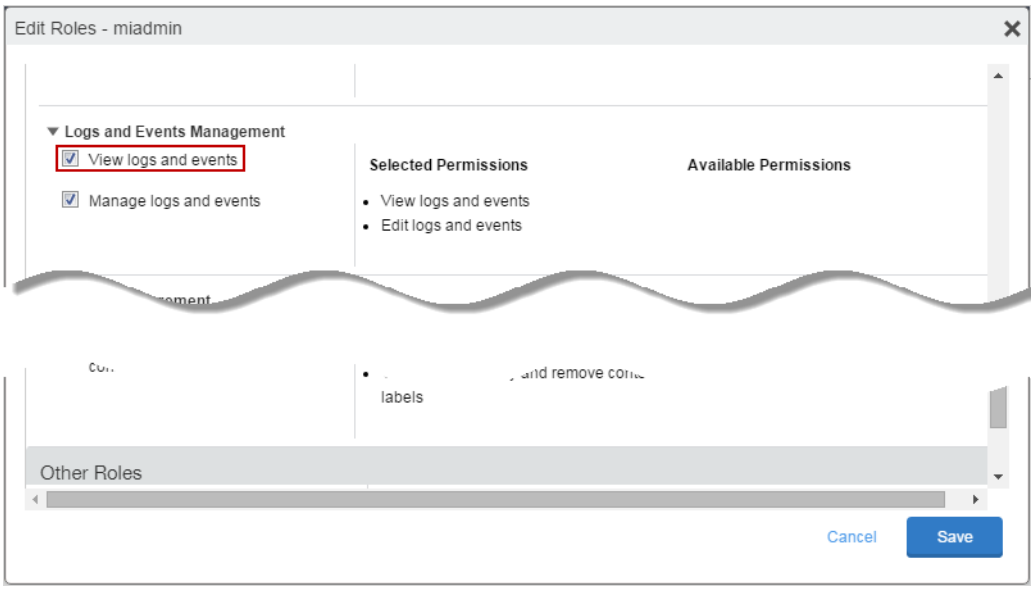
Initiate the processing of audit logs to be exported

This call initiates audit log processing.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Logs and Events Management **Role Description:** View logs and events
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/logs/audit_logs_export

Request parameters

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

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

Response fields

Field	Description
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://<mobileironcore>/api/v2/logs/audit_logs_export --
data-urlencode 'query="requestedAt" > 1104517800000' --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
}
```

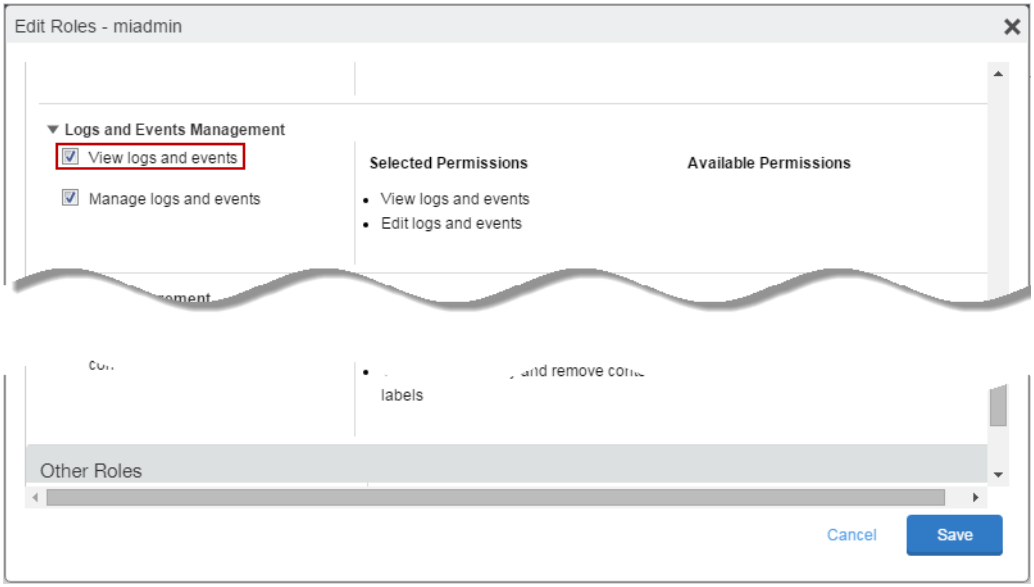
Get status of the export process

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Logs and Events Management **Role Description:** View logs and events
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/logs/audit_logs_export_status

Request parameters

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

Response fields

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

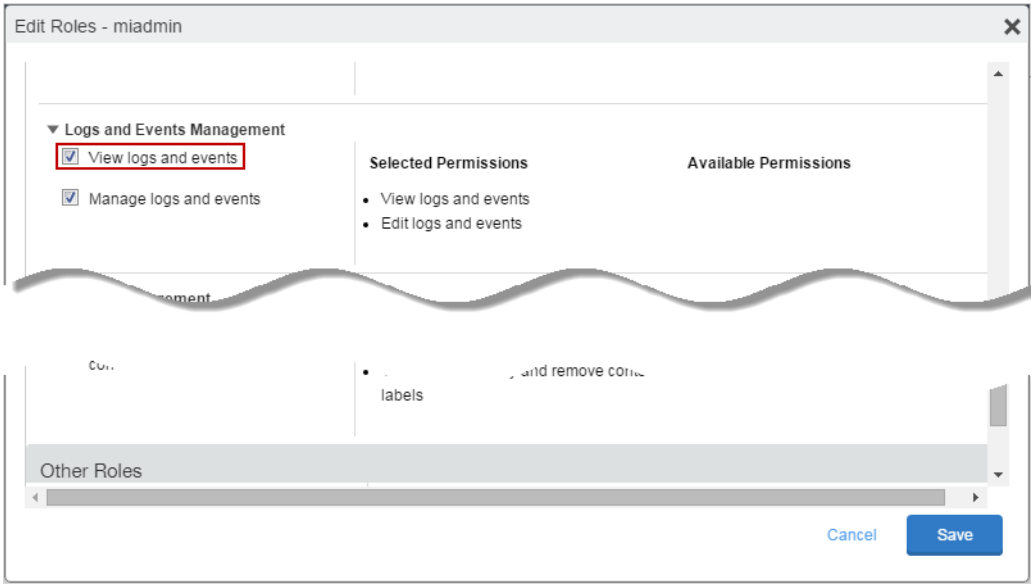
This call downloads the CSV file.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

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

Required Role
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/logs/audit_logs_csv

Request parameters

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

Response fields

Field	Description
Content-type: text/csv	
Content-Disposition: attachment; filename= AuditLogs-<hostname>-<initiatedAt>.csv	

Sample Request

```
curl -sS -k -u <userName>:<password> -G https://<mobileironcore>/api/v2/logs/audit_logs_csv
```

Sample Response

```
Content-type: text/csv
Content-Disposition: attachment; filename= AuditLogs-<hostname>-<initiatedAt>.csv
```

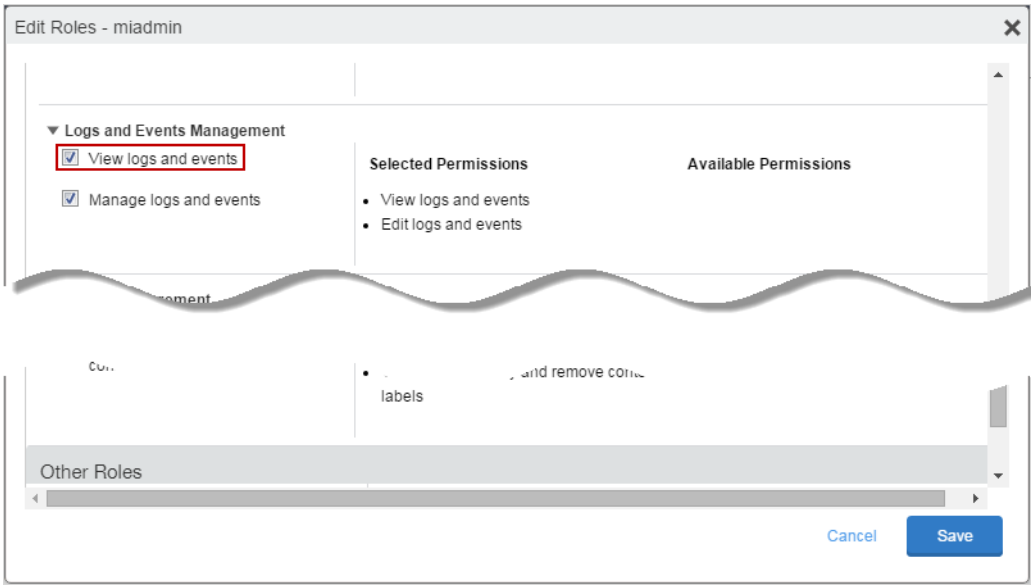
Search/Retrieve audit logs

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Logs and Events Management **Role Description:** View logs and events
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/logs/audit_logs

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
userActionIds	**Parameter Type:** Request body **Data Type:** Integer[ ] Comma separated values of user action type Ids, The User action type Ids are fetched from /api/v2/admins/{source}/actions . If this is empty then all the user action types will be considered for the search.	
status	**Parameter Type:** Request body **Data Type:** String[ ] Comma separated values of Audit Log status to filter. If this is empty then returned Audit Logs may contain all kinds of statuses.	Success, Failed, Initiated
subject	**Parameter Type:** Request body **Data Type:** String Place holder for a device uuid to filter logs for a particular device.	
actionStart	**Parameter Type:** Request body **Data Type:** Number Start time after which the audit logs are required.	
actionEnd	**Parameter Type:** Request body **Data Type:** Number This can be used along with actionStart to form a date range during which the Audit logs are required.	
limit	**Parameter Type:** Request body **Data Type:** Number **Min:** 0 **Max:** 200 **Default:** 200 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	

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

Response fields

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

Sample request and response

Request

```
curl -sS -k -u <userName>:<password> -G https://<mobileironcore>/api/v2/logs/audit_logs --data-urlen-
code 'adminDeviceSpaceId=1' --data-urlencode 'query="actionType" starts with "A"' --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"
         }
      ]
   }
```

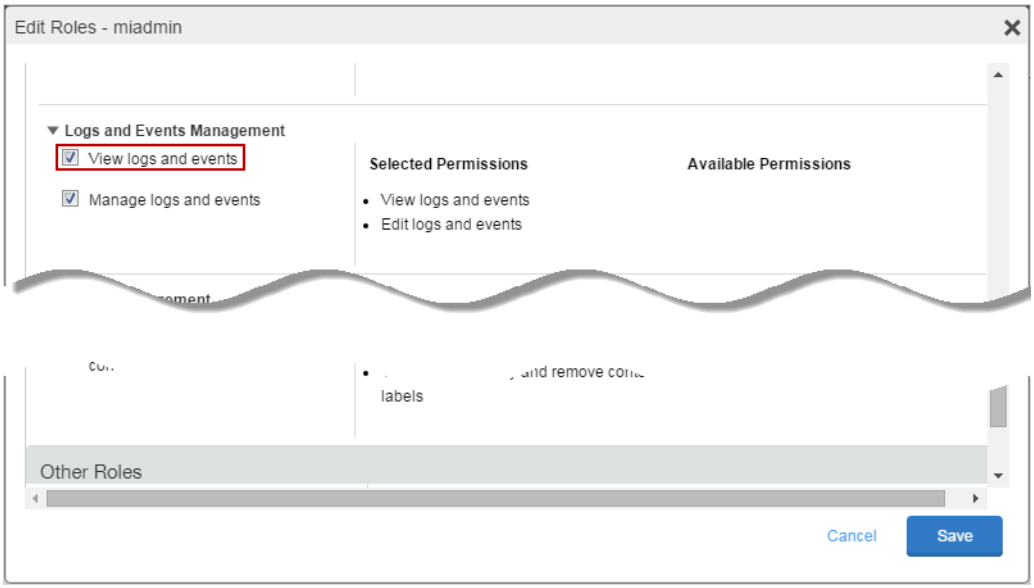
Get action types facets for audit log categories

This call returns action types facets for audit logs categories.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Logs and Events Management **Role Description:** View logs and events
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/logs/audit_log_actions/count

Request parameters

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

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

Response fields

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

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

resultCount	The number of entries that are being returned.
results	An array of entry objects. Each object includes just the fields requested.

Sample request and response

Request

```
curl -sS -k -u <userName>:<password> -G https://<mobileironcore>/api/v2/logs/audit_log_actions/count
--data-urlencode 'query='  --data-urlencode  'requestType=actionType' --data-urlencode 'sor-
tOrder=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
}
```

Chapter 8

Device Management

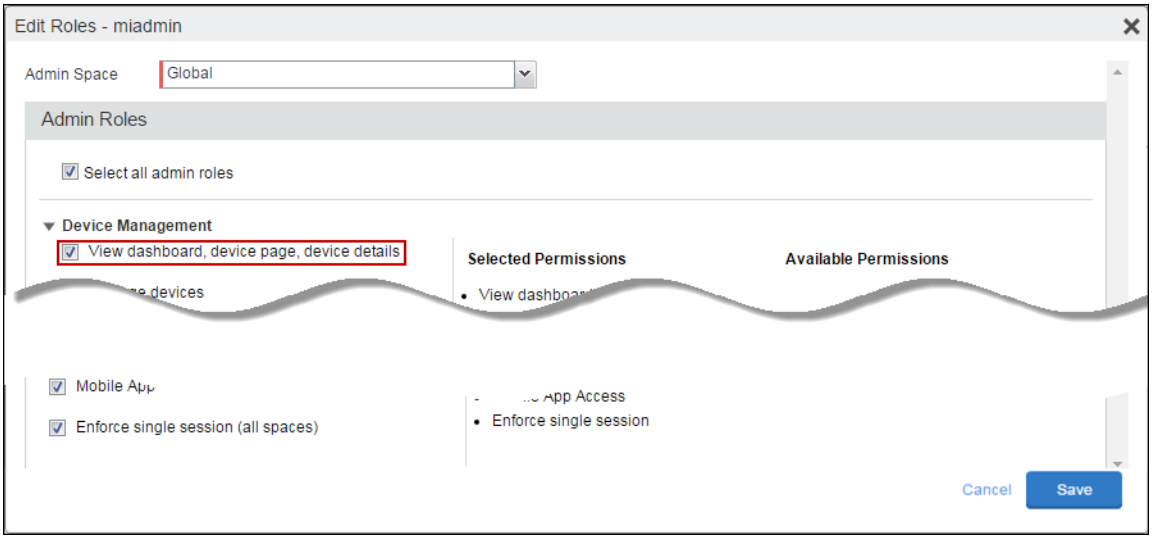
Search for devices

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.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management **Role Description:** View dashboard, device page, device details
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/devices

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required:** One of either the **query** or **labelId** parameters is required, and you can use both in the same call, but not both with an advanced query. **Parameter Type:** Query **Data Type:** String **Min:** 0 character **Max:** 2000 characters Search expression. An empty query returns everything. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	
labelId	**Required:** One of either the **labelId** or **query** parameter is required, and you can use both in the same call. **Parameter Type:** Query **Data Type:** Number The Label ID.	
fields	**Required** **Parameter Type:** Query **Data Type:** List of strings **Min:** 1 field **Max:** 512 fields Comma-separated list of the names of fields to be returned; Each field should be no more than 320 characters long. See "Valid fields Parameter Values" on page 230 for a list of valid values, and "Get the list of searchable device fields" on page 176 for how to query for the values.	user.display_name%2Ccommon.current_phone_number
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	

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

Response fields

Field	Description
results	An array of retrieved objects. Each object includes just the fields requested with the fields parameter.
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 “Lumia” in their name.

```
{noformat}
curl -sS -k -u <userName>:<password> -G https://<mobileironcore>/api/v2/devices --data-urlencode
'adminDeviceSpaceId=1' --data-urlencode 'query="common.model" starts with  "GT"' --data-urlencode
'fields=user.display_name,common.current_phone_number,common.model,common.manufacturer,common.mdm_ma
naged,common.platform_name,common.home_country_name,common.registration_date,common.last_connected_a
t,common.miclient_last_connected_at,common.owner,common.home_operator_name,common.language,common.cr
eation_date,common.uuid,common.clientId,user.email_address,common.comment,user.user_id,common.storag
e_capacity,common.device_is_compromised,common.noncompliance_reasons,common.compliant,common.platfor
m,common.quarantined,common.quarantined_reasons,common.id,android.attestation,ios.wakeup_status,comm
on.status,common.device_space_name,common.background_status,common.data_protection_enabled,common.da
ta_protection_reasons,common.device_admin_enabled,common.memory_capacity,common.memory_free,common.s
torage_capacity,common.storage_free,common.battery_level,common.client_name,common.client_version,io
s.DataRoamingEnabled,common.locale,common.ethernet_mac,common.imei,common.imsi,common.ip_ad-
```

```
dress,ios.iPhone ICCID,ios.iPhone MAC_ADDRESS_EN0,ios.iPhone UDID,ios.iPhone VERSION,ios.DeviceN-
ame,common.os_version,android.afw_capable' --data-urlencode 'offset=1' --data-urlencode 'limit=50'
{noformat}
```

Response


```
{
    "results": [
        {
            "common.device_is_compromised": false,
            "common.language": "English",
            "common.compliant": true,
            "common.current_phone_number": "100000000",
            "common.device_space_name": "Global",
            "common.data_protection_enabled": true,
            "common.uuid": "3fa4b9f6-f1df-403b-a290-d30cf9a7d0be",
            "common.imsi": "310410528567160",
            "common.platform_name": "Windows Phone 8",
            "common.last_connected_at": "2015-06-30T16:05:14.000Z",
            "common.background_status": 0,
            "user.email_address": "testuser000000@auto2.mobileiron.com",
            "common.quarantined": false,
            "common.device_admin_enabled": true,
            "common.owner": "COMPANY",
            "common.status": "ACTIVE",
            "common.platform": "Windows Phone",
            "common.model": "Lumia 920",
            "common.home_operator_name": "",
            "common.creation_date": "2015-06-29T20:04:58.000Z",
            "common.manufacturer": "NOKIA",
            "common.registration_date": "2015-06-29T20:05:15.523Z",
            "user.user_id": "testuser000000",
            "common.id": 3,
            "common.locale": "en-US",
            "user.display_name": "testuser000000"
        },
       ...
    ],
    "totalCount": 104,
    "resultCount": 50,
    "searchTimeMillis": 27,
    "currentServerTimeMilliseconds": 1435691727420,
    "hasMore": true
}
```

Act on a device

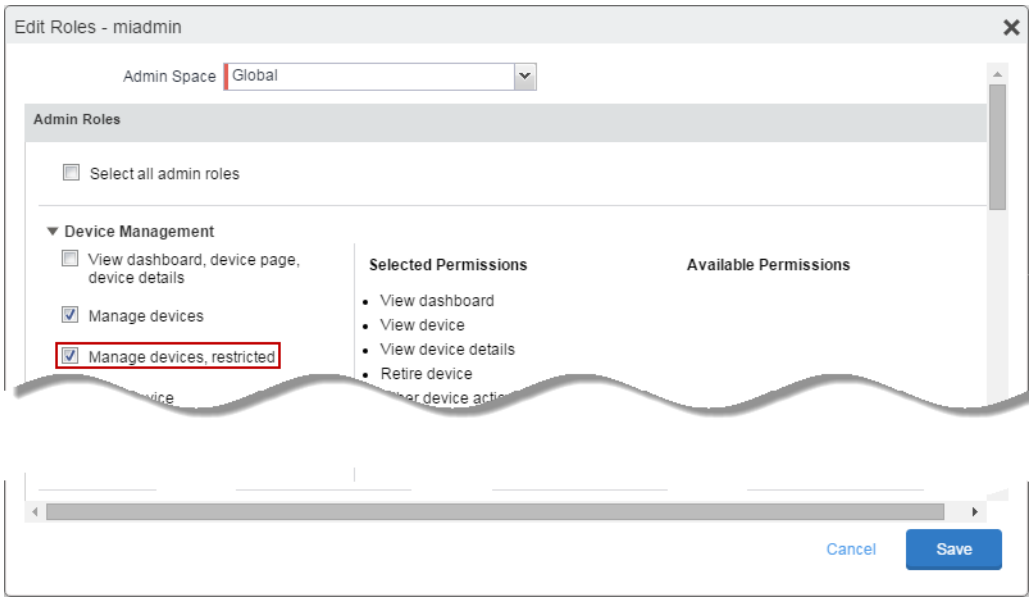
This call performs one of the following actions on a device:

- ENABLE_VOICE_ROAMING (iOS)
- DISABLE_VOICE_ROAMING (iOS)
- ENABLE_DATA_ROAMING (iOS)
- DISABLE_DATA_ROAMING (iOS)
- ENABLE_PERSONAL_HOTSPOT (iOS)
- DISABLE_PERSONAL_HOTSPOT (iOS)
- UNLOCK_APP_CONNECT_CONTAINER (Android)
- UNLOCK_DEVICE_ONLY (Android, iOS)

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management **Role Description:** Manage devices, restricted
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/devices/action

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
actionType	**Required** **Parameter Type:** Query **Data Type:** String The action to perform. One of: • ENABLE_VOICE_ROAMING (iOS) • DISABLE_VOICE_ROAMING (iOS) • ENABLE_DATA_ROAMING (iOS) • DISABLE_DATA_ROAMING (iOS) • ENABLE_PERSONAL_HOTSPOT (iOS) • DISABLE_PERSONAL_HOTSPOT (iOS) • UNLOCK_APP_CONNECT_CONTAINER (Android) • UNLOCK_DEVICE_ONLY (Android, iOS)	ENABLE_VOICE_ROAMING
deviceUuids	**Required** **Parameter Type:** Request body **Data Type:** Array of UUID Strings UUID Strings of the devices on which to perform the action.	a2556e62-2ed0-4d42-98fd-a342eaf3e4e6
note	**Parameter Type:** Request body **Data Type:** String **Min:** 1 character **Max:** 200 characters Note describing the action.	Turning off voice roaming.

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://<mobileironcore>/api/v2/devices/action?admin-
DeviceSpaceId=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
}
```

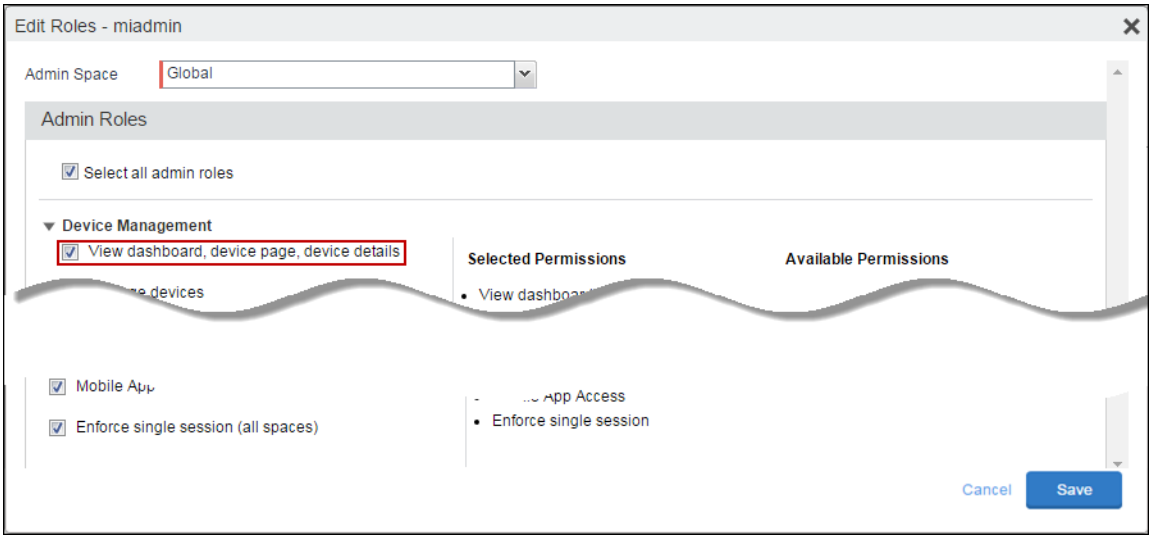
Export devices

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

Required Role
Category: Device Management **Role Description:** View dashboard, device page, device details
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/devices

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	1
query	**Required:** One of either the **query** or **labelId** parameters is required, and you can use both in the same call. **Parameter Type:** Query **Data Type:** String **Min:** 0 character **Max:** 2000 characters Search expression. An empty query returns everything. See "Query Operators and Search Fields" on page 232 for complete details on the query operators and search fields you can use to construct the query parameter statement.	
labelId	**Required:** One of either the **labelId** or **query** parameter is required, and you can use both in the same call. **Parameter Type:** Query **Data Type:** Number The Label ID.	
fieldGroups	**Required** **Parameter Type:** Query **Data Type:** List of strings **Min:** 1 field group **Max:** 20 field groups Comma-separated list of the names of field groups to be returned. Each field group should be no more than 20 characters long. May be any sequence of the following group names: "BASIC", "COMMON", "ANDROID", "IOS", "USER", "WINDOWS_PHONE"	USER,COMMON,ANDROID,IOS,WINDOWS_PHONE
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 5000 **Default:** 5000 Indicates the maximum number of entries to return.	

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

Response values

Content-Type: text/csv

Content-Disposition: attachment; filename= DeviceSearchResult.csv

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/devices?fieldGroups=USER"%"2CCOMMON"%"2CAN-
DROID"%"2CIOS"%"2CWINDOWS_PHONE&labelId=-10&query=" -H "Content-type: application/json" --data
"authUserId=bWlhZG1pbg"%"3D"%"3D"
```

Response

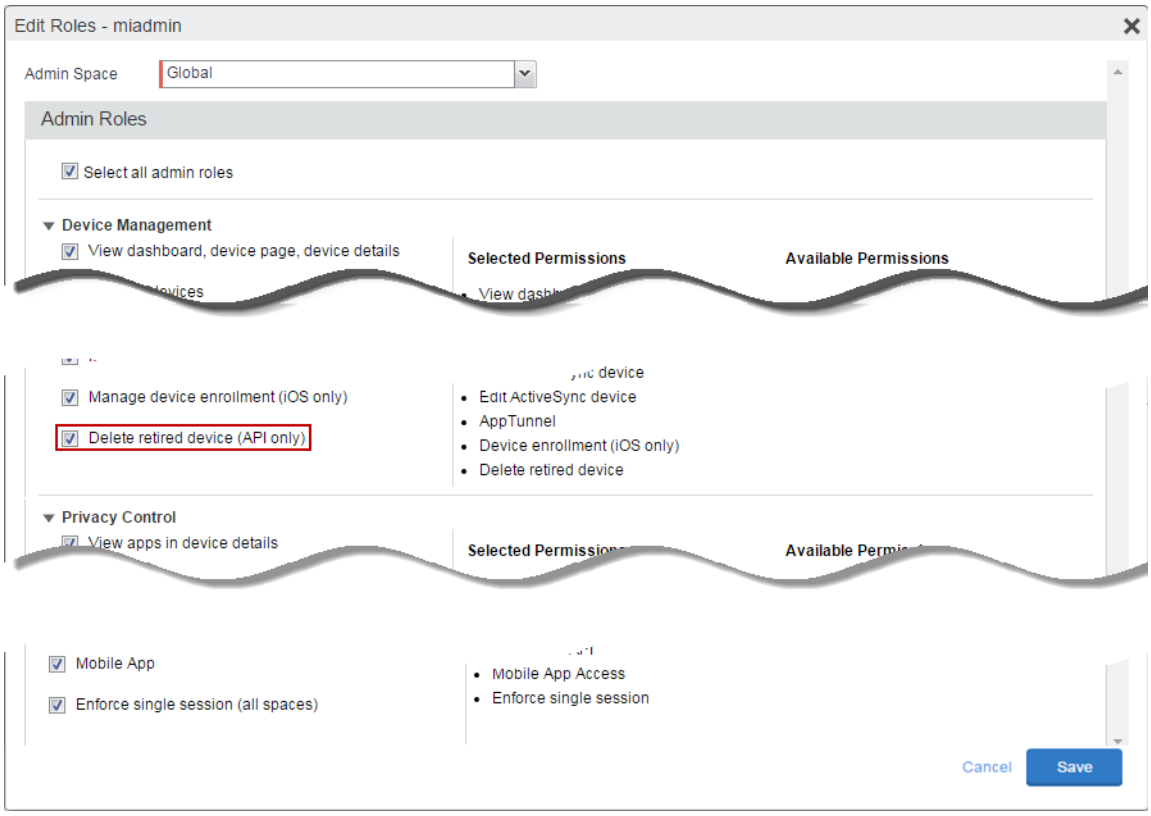
Response is a CSV file containing the retrieved values.

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
Category: Device Management **Role Description:** Delete retired device (API only)
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

api/v2/devices

Request parameters

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

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://[mobileiron-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 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management
Role Description: View dashboard, device page, device details
Finding this role in MobileIron Core

HTTP method

GET

Request URI

api/v2/devices/count

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 0 characters **Max:** 2000 characters Search expression. An empty query returns the count of all devices. See "Query Operators and Search Fields" on page 232 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 bWlhZG1pbjpNaTRtYW4xMQ==" https://mobileironcore]/api/v2/
devices/count?adminDeviceSpaceId=1&query="common.manufacturer" starts with "Appl"
```

Response

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

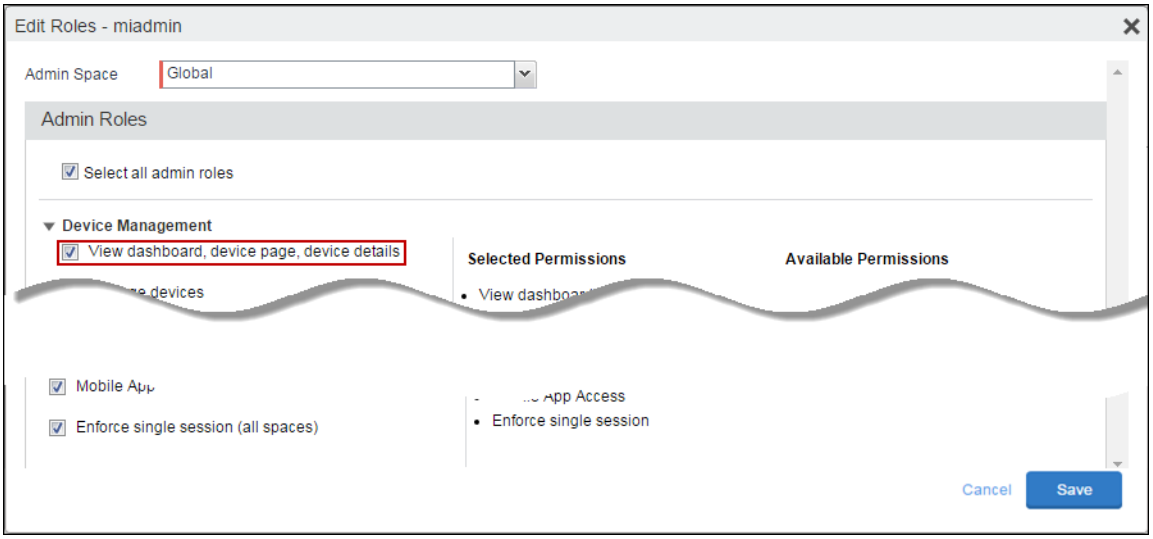
Test an advanced search query

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management **Role Description:** View dashboard, device page, device details
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/devices/query_test

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Required** **Parameter Type:** Query **Data Type:** Number Device space ID of the administrator.	adminDeviceSpaceId=1
query	**Required** **Parameter Type:** Query **Data Type:** Number **Min:** 0 characters **Max:** 2000 characters Search expression. An empty query is valid. See "Query Operators and Search Fields" on page 232 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://[mobileironcore]/api/v2/device/query_test' --data
'query%3Dmanufacturer%20contains%20%22blargle%22'
```

Response

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

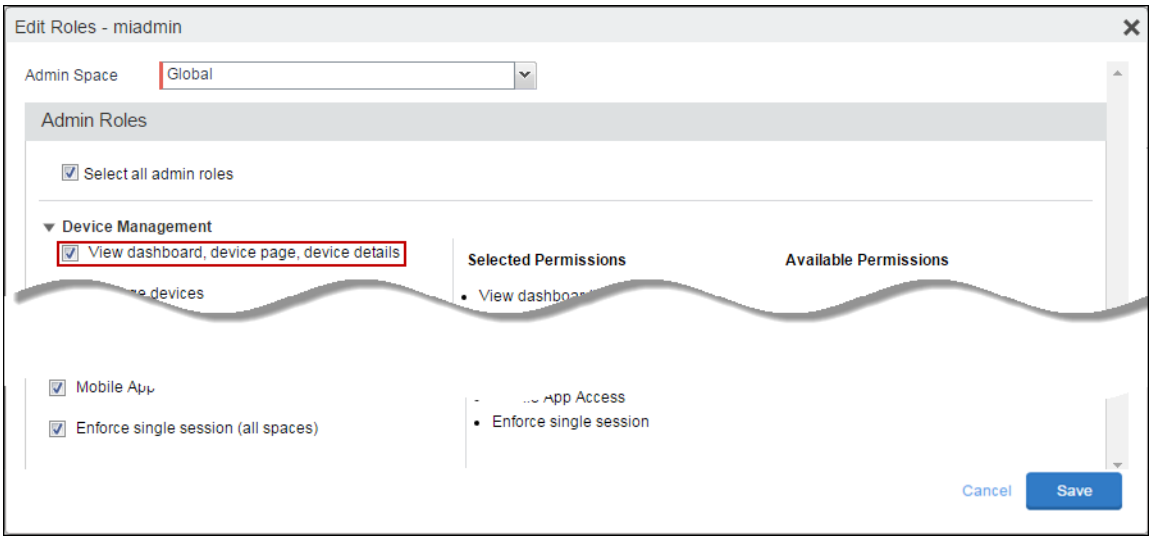
Get the list of searchable device fields

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 159.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management
Role Description: View dashboard, device page, device details
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/devices/search_fields

Request parameters

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

Response fields

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

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

Sample request and response

Request

Get the fields.

```
curl -G -k -sS -u username:password 'https://[mobileironcore]/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" }
]
```

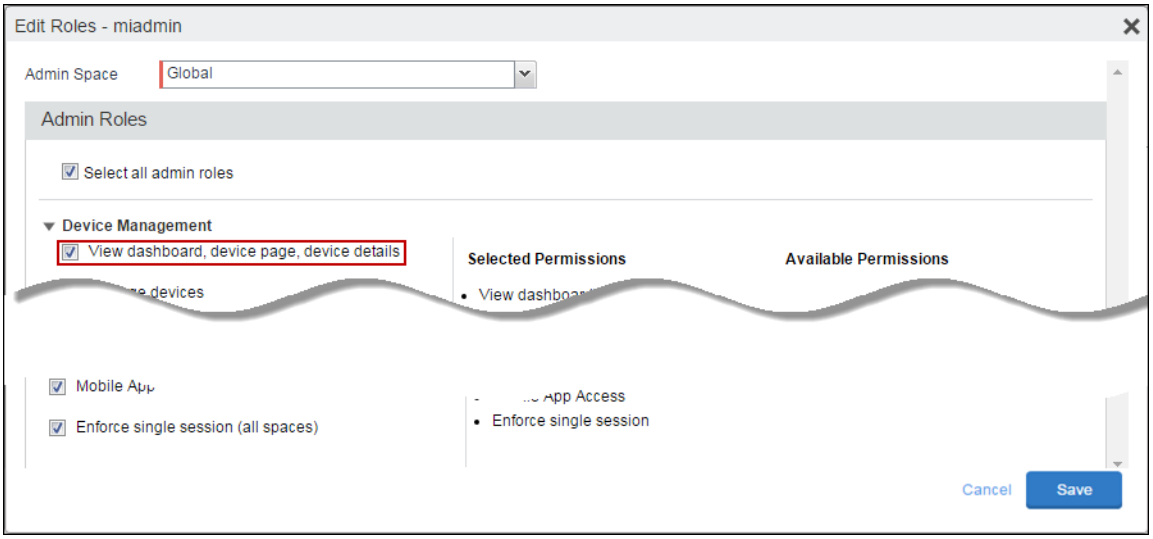
Get device details

This call gets device details for a specific device.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management **Role Description:** View dashboard, device page, device details
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/devices/<deviceId>/details

Request parameters

Parameter	Description	Sample Value
deviceId	**Required** **Parameter Type:** Path **Data Type:** String The deviceId is the device UUID.	2e33329d-fed5-4f56-a2b7-65caa5ef0cfe

Response fields

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

Sample request and response

Request

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

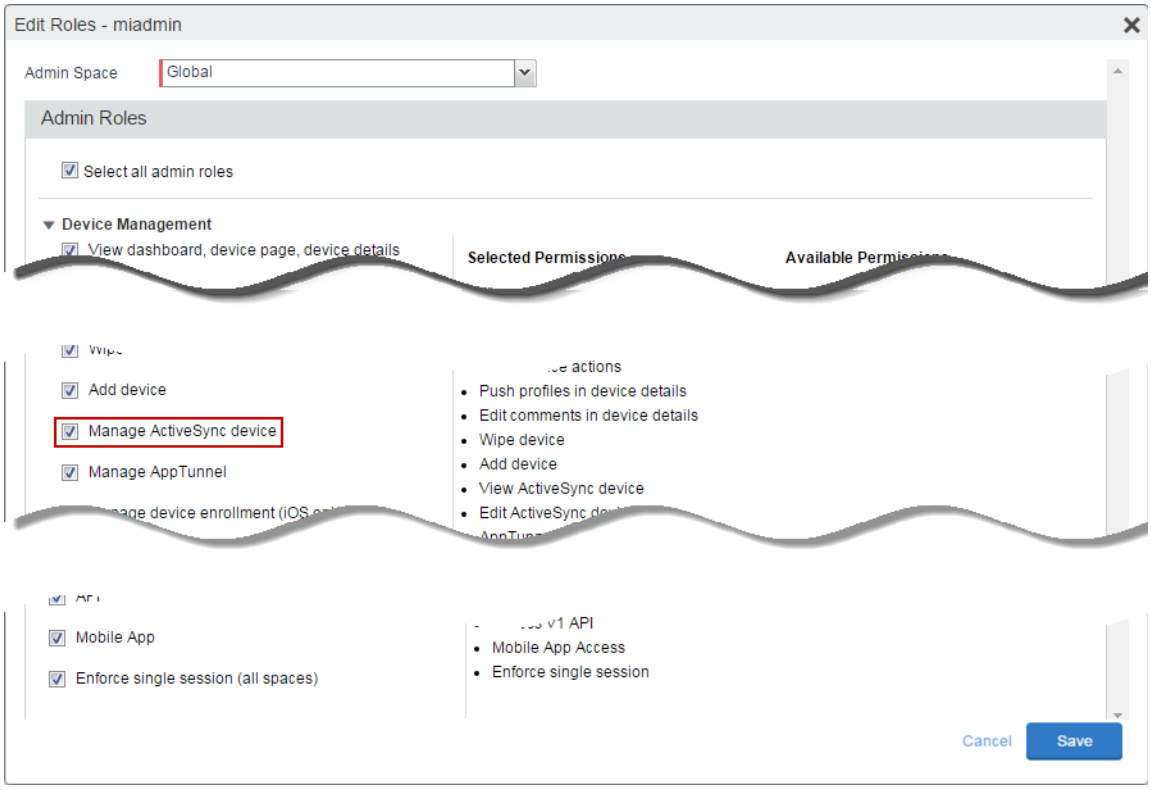
Get Last Sync Time and State of ActiveSync Devices

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 MobileIron 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 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Device Management **Role Description:** Manage ActiveSync device
Finding this role in MobileIron Core



HTTP method

GET

Request URI

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

Request parameters

Parameter	Description	Sample Value
daysIdle	**Required** **Parameter Type:** Query **Data Type:** Integer Enter a value corresponding the number of days idle devices should be to be returned by the call. For example, to find devices that have been idle for one day, use 1 (one). Use 0 (zero) to find devices regardless of the last session time.	0
state	**Parameter Type:** Query **Data Type:** String Valid values: • a Searches for allowed devices • b Searches for blocked devices • w Searches for wiped devices • q Searches for allowed quarantined devices • r Searches for retired devices For ease of use, the call accepts the entire word. For example, instead of "state=r", the call would accept "state=retired". Note: except for **retired**, all values correspond to ActiveSyncStatus enumeration. "retired" corresponds to eas_device entries with the trash flag set to true.	a

Response fields

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

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

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
```

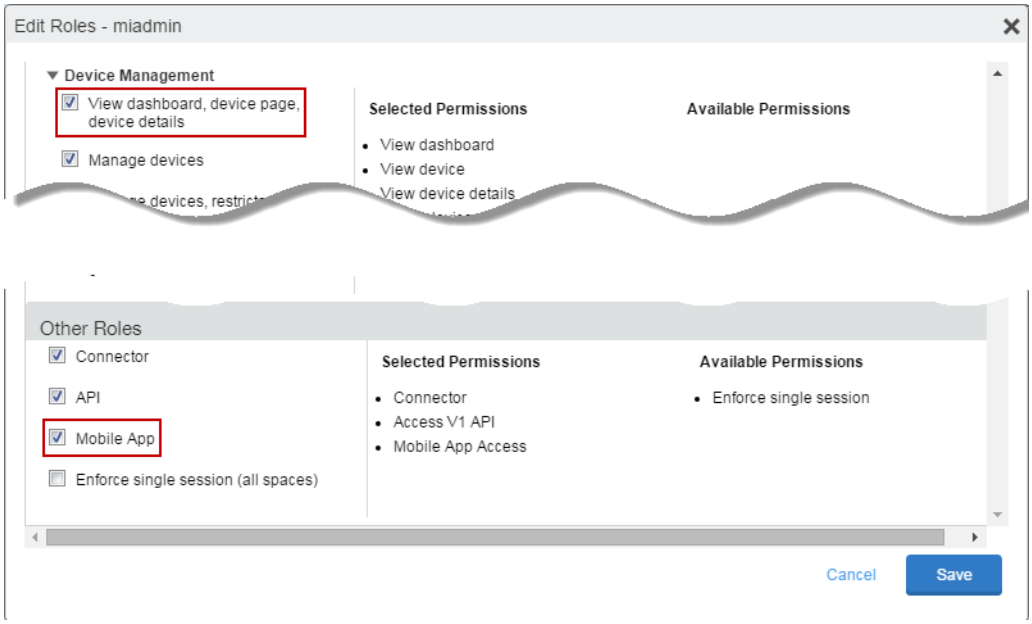
Get app control compliance information for a device

This call gets app control compliance information for a device.

Required Roles

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
• **Category:** Device Management **Role Description:** View dashboard, device page, device details • **Category:** Other Roles **Role Description:** Mobile App
Finding these roles in MobileIron Core



HTTP method

GET

Request URI

api/v2/devices/<deviceUuid>/appcompliance

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl -k -sS -u <userName>:<password> -XGET 'https://<mobileironcore>/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
                }
            ]
        }
    }
}
```

Chapter 9

Device Spaces Management

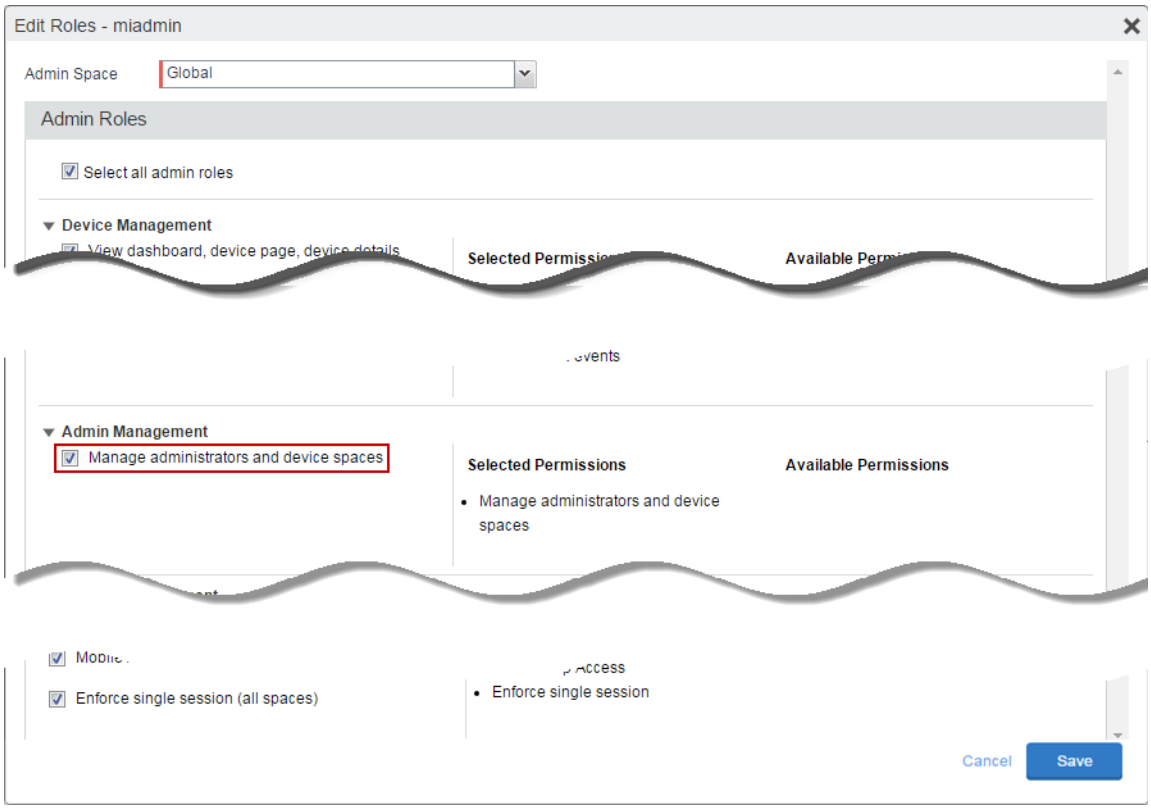
List device spaces

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

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/device_spaces

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
}
```

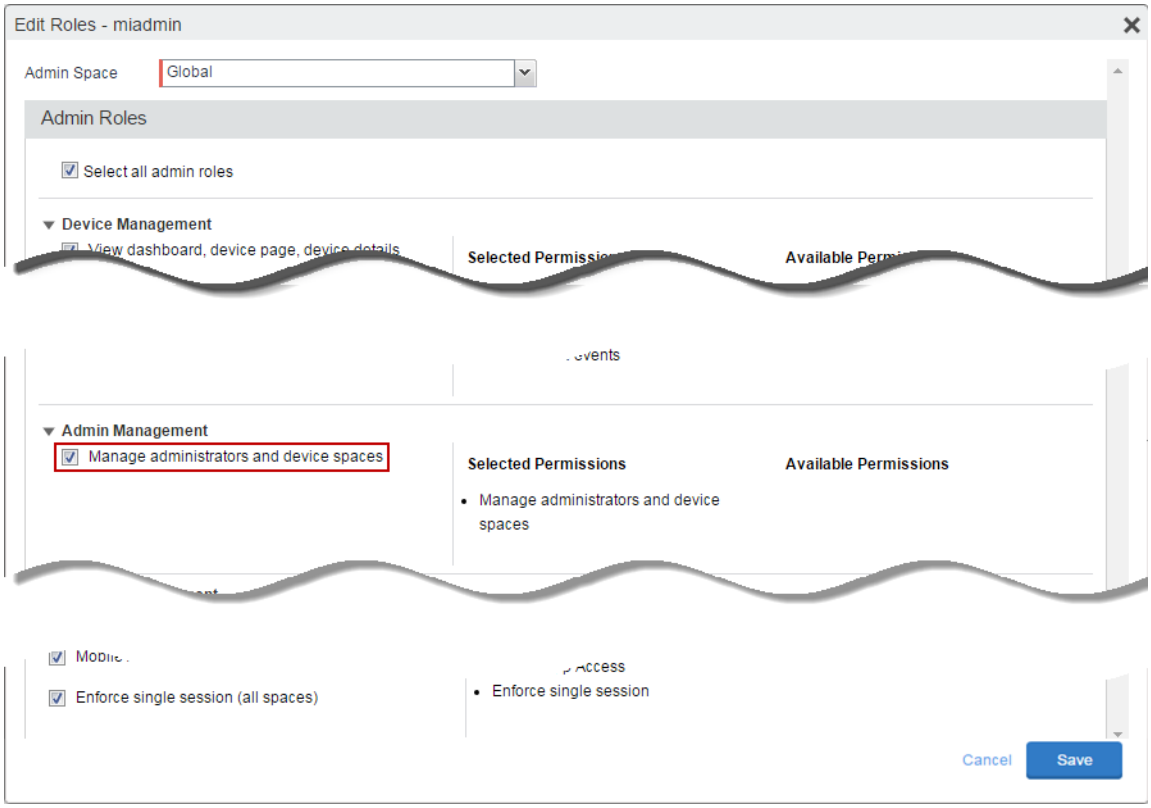
Get my device spaces

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



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 bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
}
```

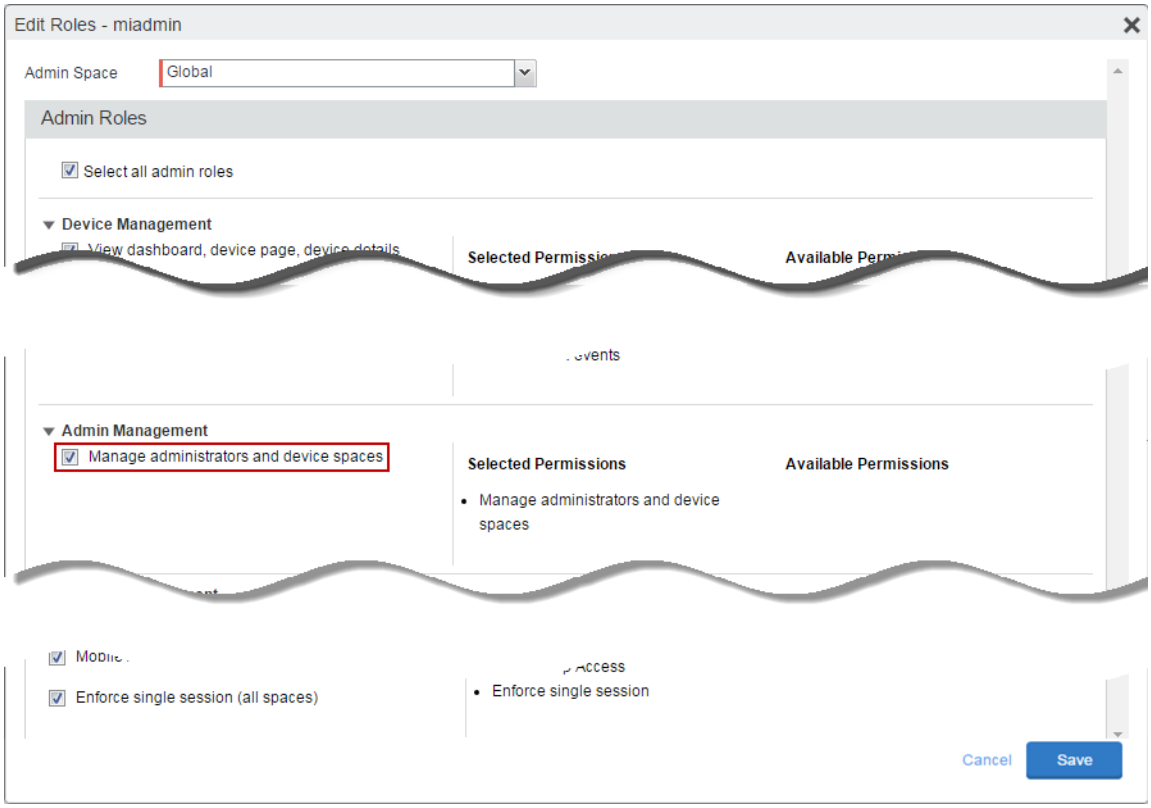
List fields for device space criteria

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/device_spaces/criteria

Request parameters

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

Sample request and response

Request

```
curl -X GET -H "Authorization: Basic bWlhZG1pbjpNaTRtYW4xMQ==" https://[mobileironcore]/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
}
```

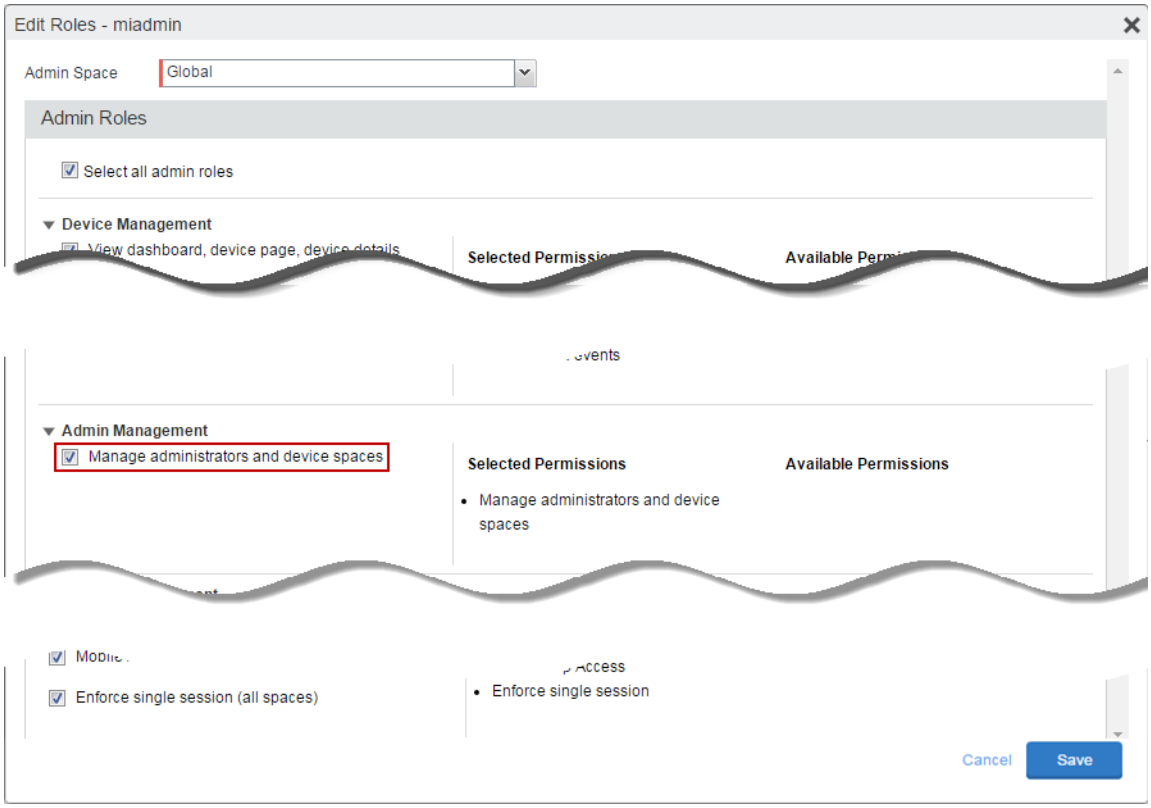
Create or update a device space

This call creates or updates a device space.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/device_spaces

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/device_spaces" -H "authUserId: bWlhZG1pbg==" -H "Accept: appli-
cation/json" -H "Content-type: application/json" --data-binary "{""parentId"":""1"",""crite-
ria"":""\\""common.home_country_code\\"" = \\""US\\"" AND \\""common.home_country_name\\"" =
\\""United States\\""","name"":""USA Devices""}"
```

Response

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

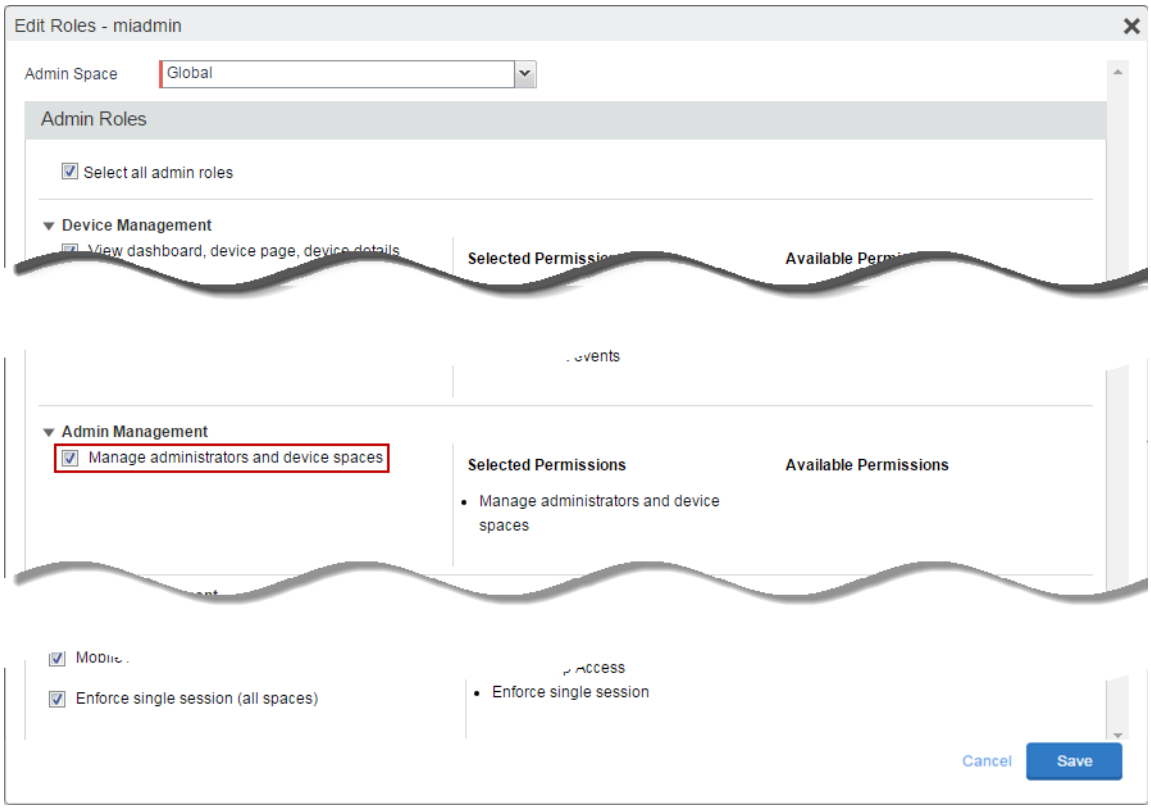
Delete a device space

This call marks a device space for deletion and then MobileIron Core deletes the marked device space within a few hours.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

api/v2/device_spaces/[id]

Request parameters

Parameter	Description
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.
id	**Parameter Type:** Path **Data Type:** Number ID of the device space to delete. If missing or 0 (zero), the call uses the value of the current device space.

Response fields

Field	Description
id	The ID of the device space marked for deletion.

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/device_spaces/4" -X DELETE -H "Content-Type: application/json"
```

Response

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

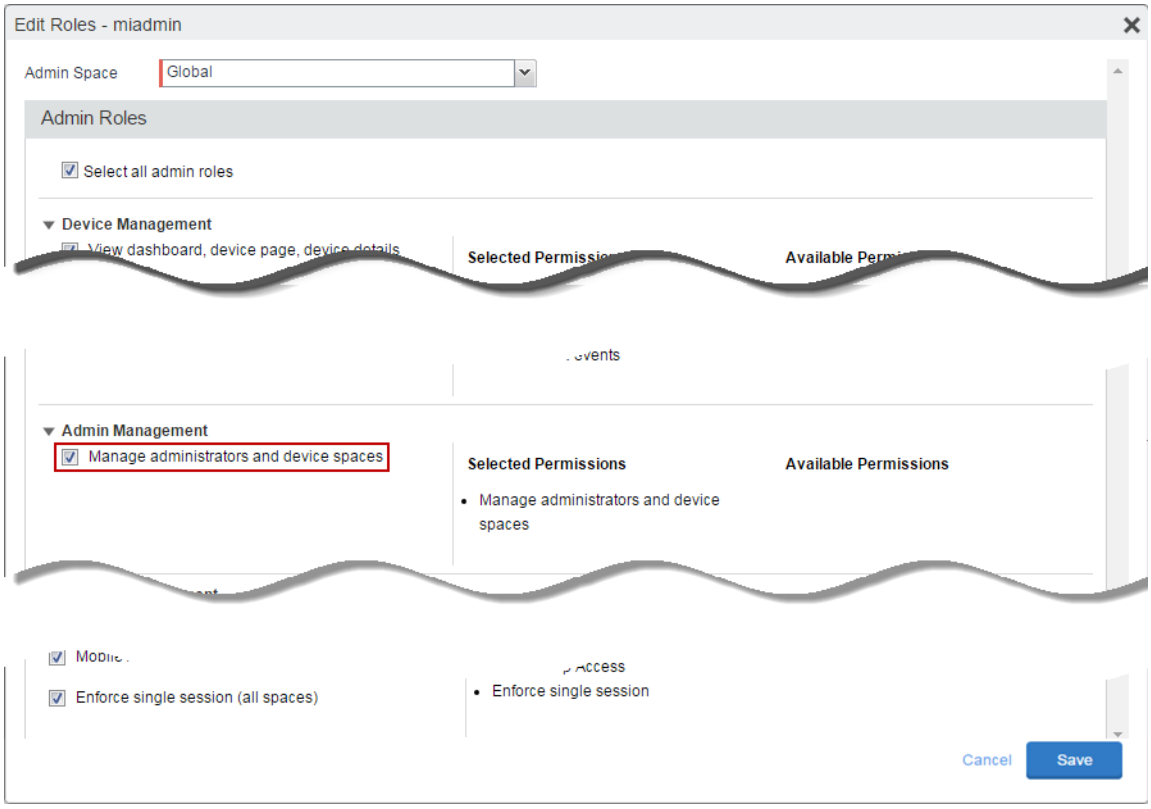
Assign admins to device space

This call assigns admins to a device space.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/device_spaces/[deviceSpaceId]/admins

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path **Data Type:** Number **Min:** 1 **Max:** 10,000,000 The ID of device space ID to which to assign admins	
roles	**Required** **Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 100 List of roles to assign to the admins. See "Get a list of admin roles" on page 39 for the call you use to find the values for this parameter.	
adminUsers	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 List of admin userIds (i.e., principals). Each element in the list must be no more than 50 characters in length. May not be used if adminLdapEntities is used.	
adminLdapEntities	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 List of admin LDAP entities, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used. **Note:** LDAP entities are not validated against LDAP. You must to pass in the correct values.	

Response fields

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

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/device_spaces/3/admins" -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"":""testuse
r000000"",""type"":""USER"",""dn"":""cn=testuser000000,ou=contacts,dc=auto2,dc=mobile-
iron,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
```

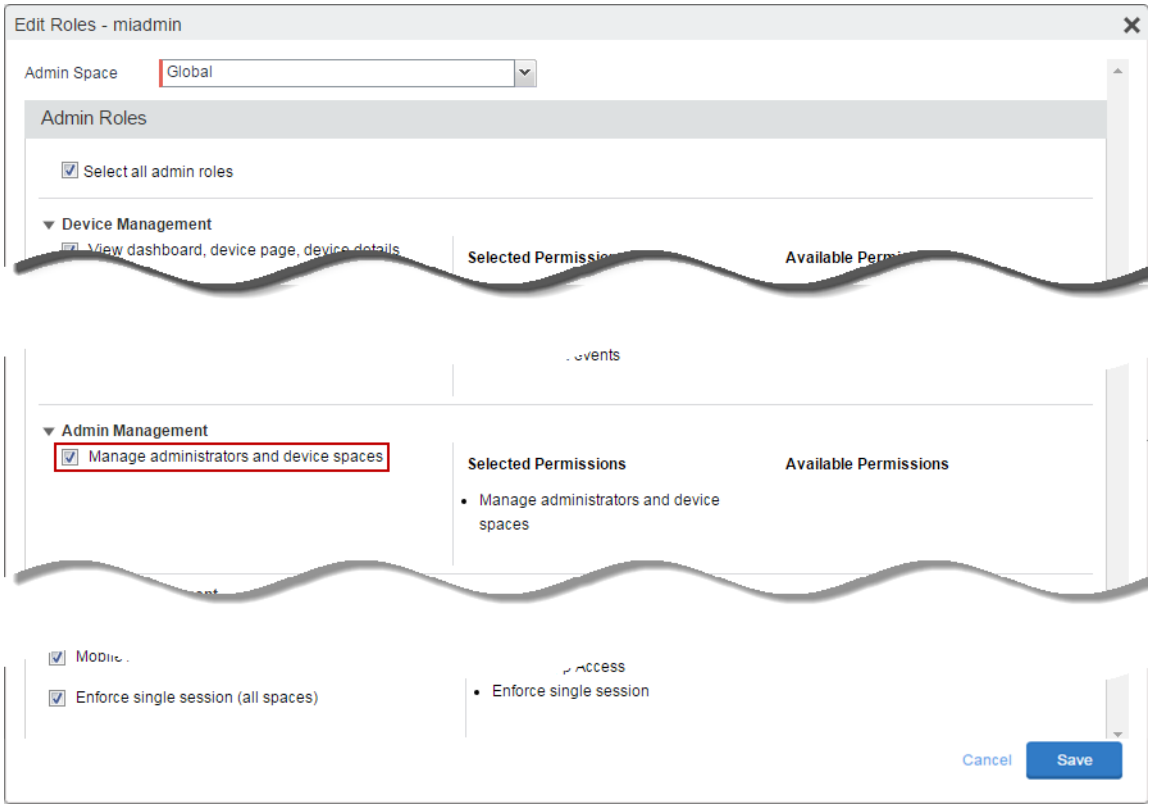
Delete admins from device space

This call unassigns admins from a device space.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

api/v2/device_spaces/[deviceSpaceId]/admins

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path and Request body **Data Type:** Number **Min:** 1 **Max:** 10,000,000 The ID of device space from which to delete admins. This call requires this parameter in the request path and in the request body.	
adminUsers	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 List of admin userIds (i.e., principals) to delete as admins. Each element in the list must be no more than 50 characters in length. May not be used if adminLdapEntities is used.	
adminLdapEntities	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 List of admin LDAP entities to delete as admins, composed of a name, an LDAP type and a DN. LDAP type choices are "GROUP", "USER", or "OU". May not be used if adminUsers parameter is used. **Note:** LDAP entities are not validated against LDAP. You must to pass in the correct values.	

Response fields

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

Sample request and response

Request

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

Response

```
200 OK
```

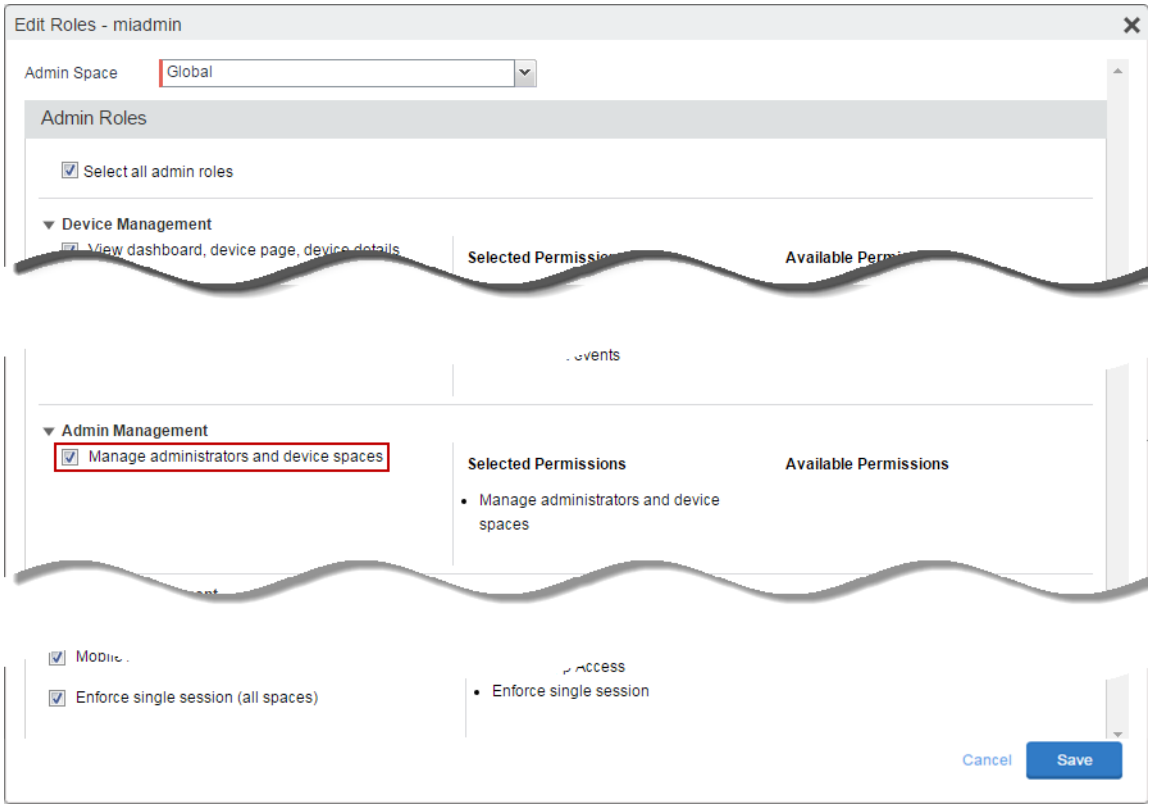
Change device space priority

This call changes the device space priority.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/device_spaces/[deviceSpaceId]/change_priority

Request parameters

Parameter	Description	Sample Value
adminDeviceSpaceId	**Parameter Type:** Query **Data Type:** Number **Default:** 0 Device space ID of the administrator.	
deviceSpaceId	**Required** **Parameter Type:** Path **Data Type:** Number The ID of device space whose priority to change.	
deviceSpaceIdAboveMe	**Parameter Type:** Request body **Data Type:** List **Min:** 1 **Max:** 500 The ID of the device space whose priority is one step higher than the target device space. Use 0 (zero) if the target device space is to have no other spaces above it.	

Response fields

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

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/device_spaces/5/change_priority" -H "Content-type: applica-
tion/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/"
    }
}
```

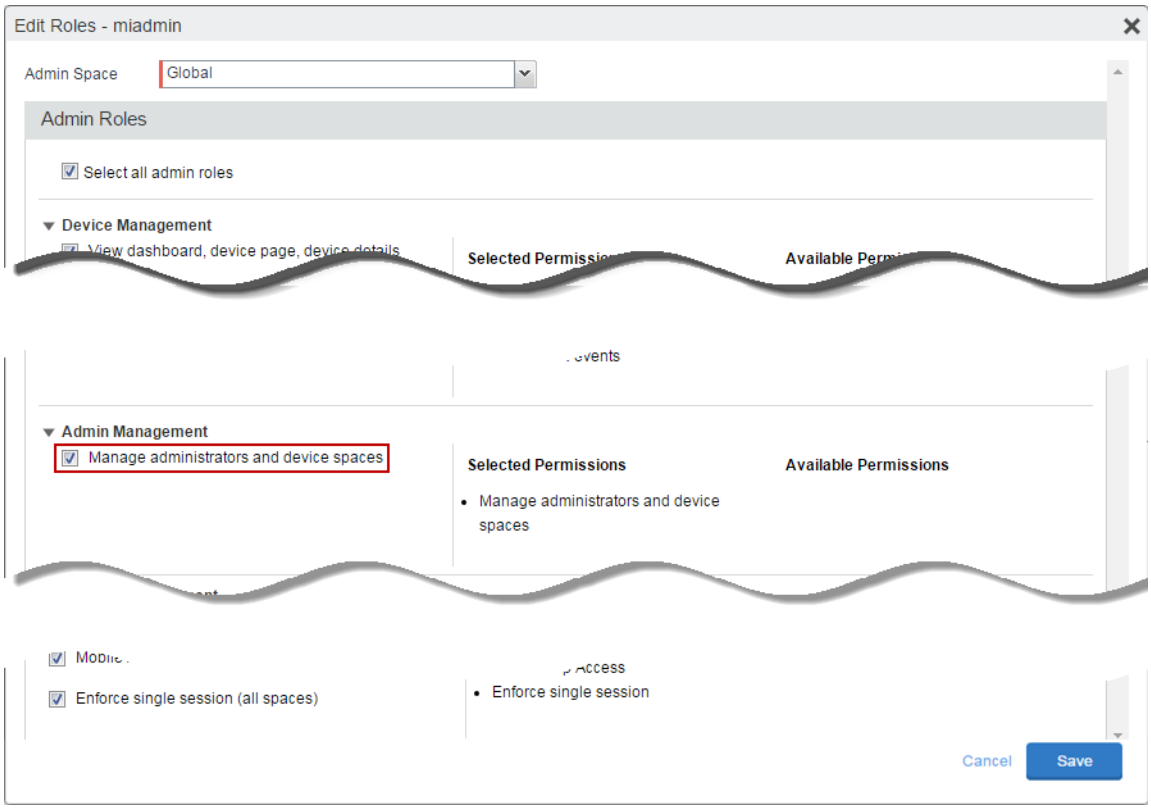
Evaluate device spaces

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

Required Role
Category: Admin Management **Role Description:** Manage administrators and device spaces
Finding this role in MobileIron Core



HTTP method

POST

Request URI

api/v2/device_spaces/evaluate

Request parameters

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

Response fields

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

Sample request and response

Request

```
curl "https://[mobileironcore]/api/v2/device_spaces/evaluate" -H "Content-type: application/json" --
data "includeLabelEvaluation=1"
```

Response

```
200 OK
```

Chapter 10

Label Management

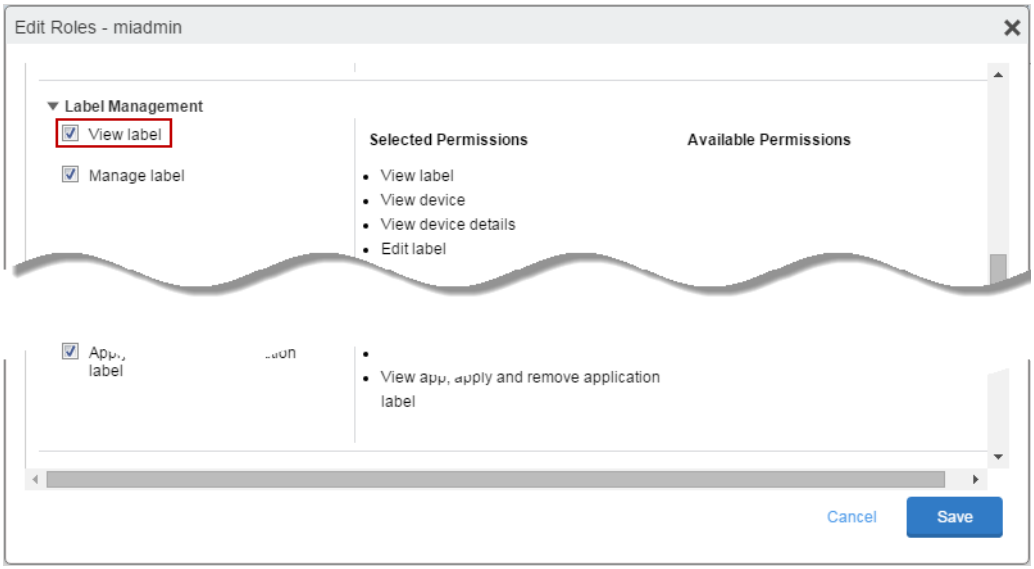
Get information on all labels

This call returns information on all labels.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Label Management **Role Description:** View label
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/label_summary

Request parameters

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

Response fields

Field	Description
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	

Field	Description
isStatic	
criteria	
deviceCount	
deviceSpaceId	
deviceSpaceName	
deviceSpacePath	

Sample request and response

Request

```
curl -k -sS -u <userName>:<password> 'https://<mobileironcore>/api/v2/labels/label_summary?adminDe-
viceSpaceId=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": 0,
            "deviceSpaceId": 1,
            "deviceSpaceName": "Global",
            "deviceSpacePath": "/1/"
        },
       ...
    ]
}
```

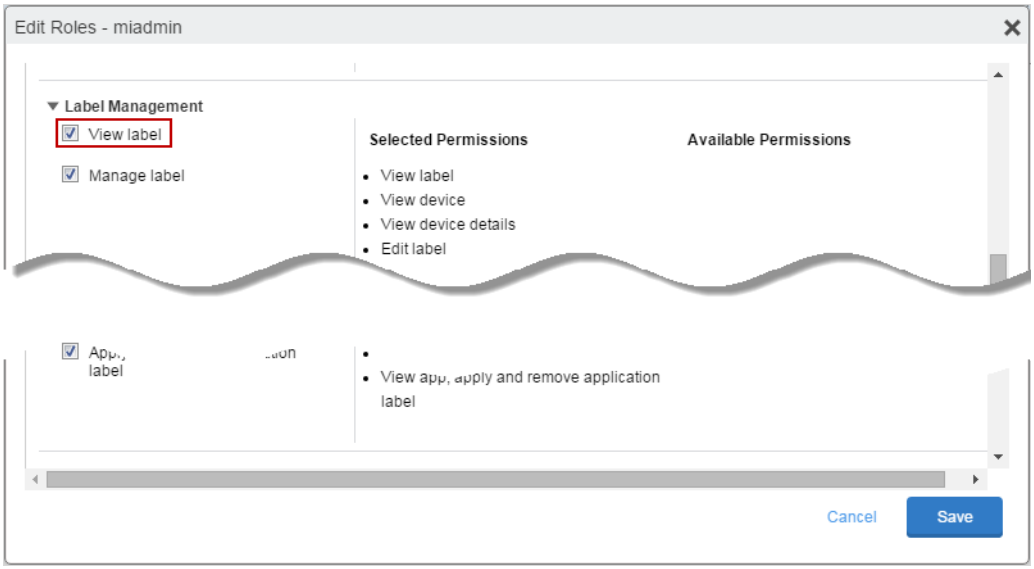
Get label usage information

This call provides the usage summary of a label.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Label Management **Role Description:** View label
Finding this role in MobileIron Core



HTTP method

GET

Request URI

api/v2/labels/{labelid}/label_usage_summary

Request parameters

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

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://<mobileironcore>/api/v2/labels/-11/label_usage_summary?adminDeviceSpaceId=1'
```

Response

```
{
  "policies": [],
  "configs": [
    {
      "id": -2,
      "name": " System - iOS MDM",
      "description": "Default MDM profile for iOS management."
    }
  ],
```

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

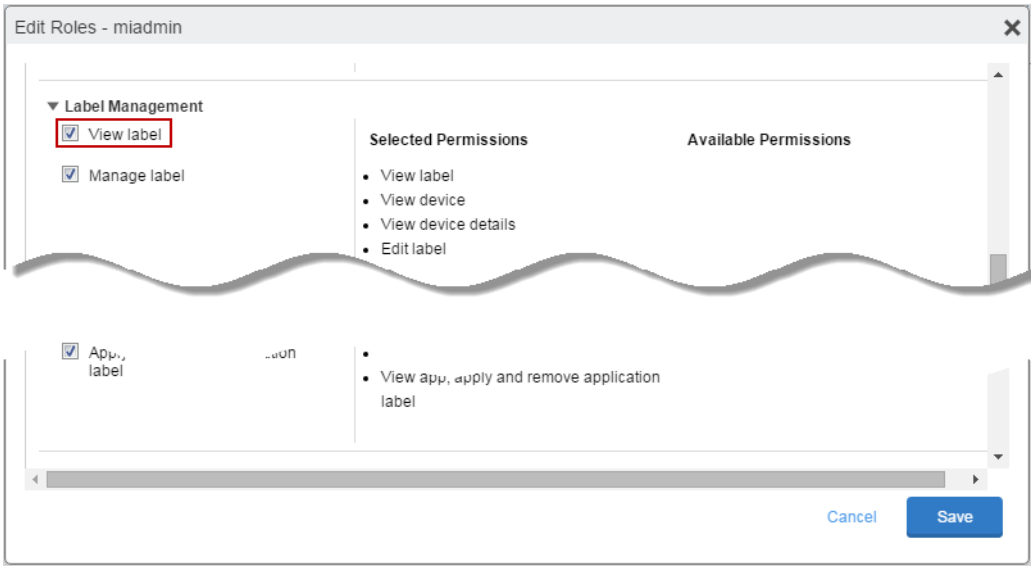
Get information about a specific label

This call provides information about a specific label.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Label Management **Role Description:** View label
Finding this role in MobileIron Core



HTTP method

GET

Request URI

/api/v2/labels/{labelId}

Request parameters

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

Response fields

Field	Description
results	Array of the fields shown below.
uuid	
id	
principal	
deviceSpaceId	
deviceSpacePath	
name	
description	
state	
staticLabel	
searchCriteria	
query	
deviceCount	
isESSearch	
devices	
deviceUuids	
type	
rowType	
assetId	
assetName	

Sample request and response

Request

```
curl -k -sS -u <userName>:<password> 'https://<mobileironcore>/api/v2/labels/-11?adminDeviceSpa-
ceId=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"
  }
}
```

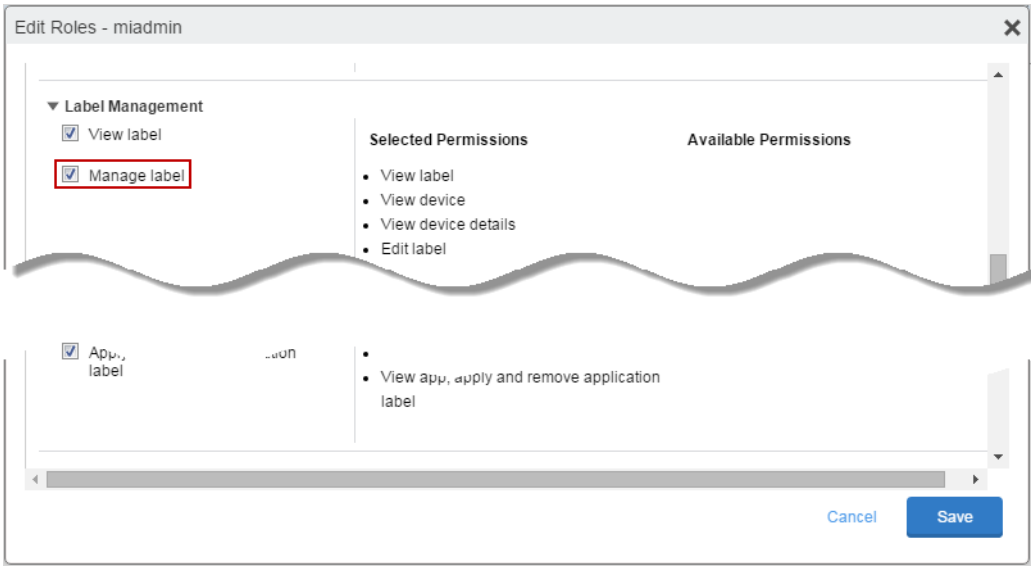
Add/Edit a label

This call adds a new label or updates an existing label.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Label Management **Role Description:** Manage label
Finding this role in MobileIron Core



HTTP method

POST

Request URI

/api/v2/labels

Request parameters

Parameter	Description	Sample Value
deviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
criteria	**Required** **Parameter Type:** Request body **Data Type:** String Label criteria.	common.platform"="Android" AND "common.retired"=false
description	**Required** **Parameter Type:** Request body **Data Type:** String Description of the label.	Label for all Android Phones.
labelId	**Required if editing an existing label. Omit if adding a new label.** **Parameter Type:** Request body **Data Type:** Number Precede the label with a dash.	-10
name	**Required** **Parameter Type:** Request body **Data Type:** Number Name of the label.	Android
static	**Required** **Parameter Type:** Request body **Data Type:** Boolean Determines whether the label is static.	false

Response fields

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

Field	Description
description	
state	
staticLabel	
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> 'https://<mobileironcore>/api/v2/labels/' --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"
    }
```

```
}
```

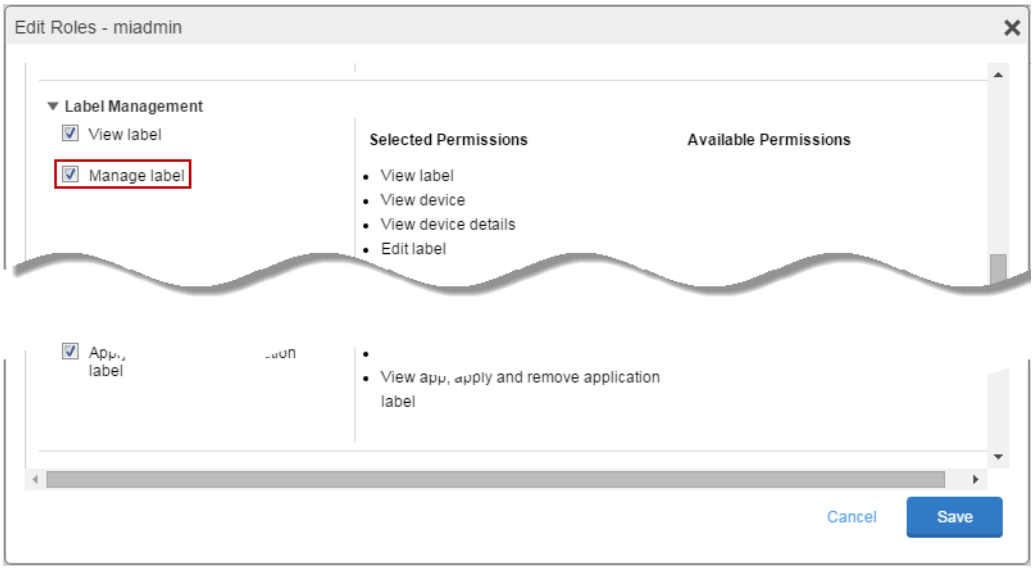
Delete a label

This call deletes a label.

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Role
Category: Label Management **Role Description:** Manage label
Finding this role in MobileIron Core



HTTP method

DELETE

Request URI

/api/v2/labels

Request parameters

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

Response

200 OK

Sample request and response

Request

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

Response

```
200 OK
```

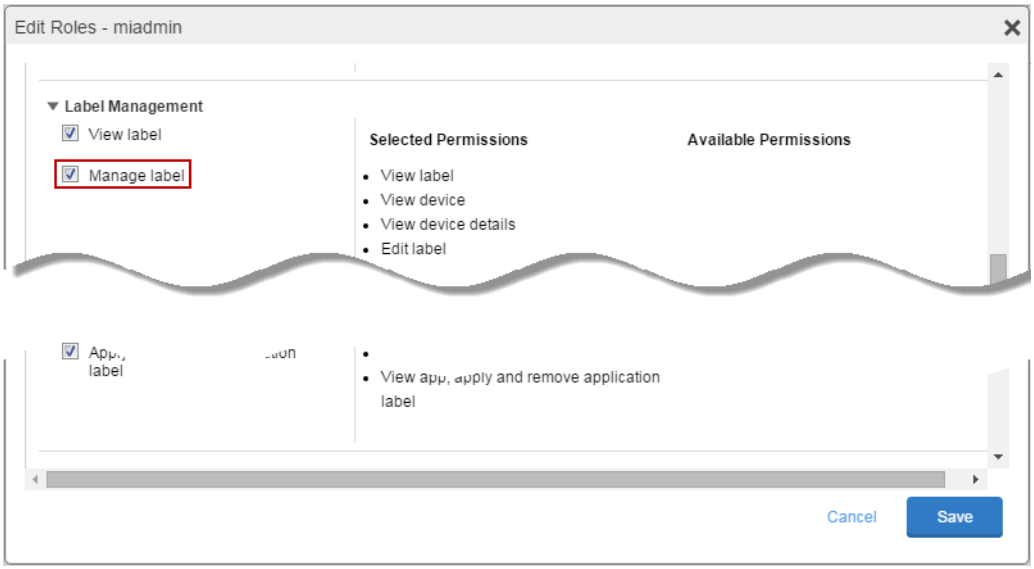
Get list of applied/non-applied static labels for devices

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

Required Role

See "Authentication" on page 17 for complete details on ensuring that the credentials you use for basic authentication belong to a user with the necessary role for this API call.

Required Roles
Category: Label Management **Role Description:** Manage label
Finding this role in MobileIron Core



HTTP method

POST

Request URI

/api/v2/devices/labels

Request parameters

Parameter	Description	Sample Value
deviceSpaceId	**Required** **Parameter Type:** Request body **Data Type:** Number Device space ID of the administrator.	1
entityIds	**Parameter Type:** Request body **Data Type:** Number A list of device ID for applied labels, empty for non-applied labels.	1,98
query	**Required** **Parameter Type:** Request body **Data Type:** String Name or description of label.	Label for all Android Phones.
assignedOnly	**Required if editing an existing label. Omit if adding a new label.** **Parameter Type:** Request body **Data Type:** Boolean **Default:** false true to get only assigned labels, otherwise it returns both assigned or unassigned labels	false
limit	**Parameter Type:** Query **Data Type:** Number **Min:** 0 Indicates the maximum number of entries to return. Must be at least 0 and no more than 200.	
offset	**Parameter Type:** Query **Data Type:** Number **Min:** 0 **Max:** 10,000,000 **Default:** 0 Indicates the index of the first entry to return.	

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

Response fields

Field	Description
totalCount	The total number of entries that the query matched.
resultCount	The number of entries that are being returned.
hasMore	Indicates that there are more entries available.
results	Array of the fields shown below.
uuid	
id	
principal	
deviceSpaceId	
deviceSpacePath	
name	
description	
state	
searchCriteria	
applied	
notApplied	
isESSearch	

Sample request and response

Request

Edit the label with labelId of -10:

```
curl --globoff --user <userName>:<password> --data '{
    "entityIds": [
        1,
        98
```

```
    ],
    "offset": 0,
    "limit": 50,
    "page": 1
}' --request POST 'https://<mobileironcore>/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"
        }
    ]
}
```

Appendix A

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.ethernet_mac
- 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

Appendix B

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
apns_capable	boolean	e43f9c41484baf6601b2e80f7390fe195df5
background_status	string	
battery_level	long	15 99
blocked_reasons	array of strings	2
blocked	boolean	2
cellular_technology	string	GSM
client_id	long	1073741831
client_name	string	com.mobileiron
client_build_date	date	Aug 29 2013 13:02:18
client_version	string	5.7.0.1.17R
comment	string	
noncompliance_reasons	array of strings	3
compliant	boolean	3
creation_date	date	2014-01-20 19:08:27
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	

Field	Data Type	Sample Data
device_is_compromised	boolean	
device_space_ids	array of long values	
device_space_name	string	
device_space_path	string	
display_size	string	1184X768 768x1280
eas_last_sync_time	date	
ethernet_mac	string	10DDB1F23C06
home_country_code	string	FR
home_country_name	string	France
home_operator_name	string	France Telecom
home_phone_number	string	PDA
id	long	5
imei	string	
imsi	string	
ip_address	string	169.254.80.80, fe80::7091:fe10:7d67:ed67 172.16.2.123
language	string	English
language_id	long	
lang_country_id	long	5
last_connected_at	date	Internal business logic is used to determine which timestamp gets indexed.
locale	string	en-US es-US
location_last_captured_at	date	1383608236206
location	geo_point	37.396003 -122.056255
manufacturer	string	Apple
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

Field	Data Type	Sample Data
model	string	iPad, 4th gen
model_name	string	Virtual Machine
os_version	string	iPhone OS 6.1.3 (10B329) 17 8.0.10327.77 6.1.3
owner	string	f
pending_device_passcode	string	123456
pending_device_passcode_expiration_time	date	
platform_name	string	iOS 7.1
platform	string	I
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
retired	boolean	f
roaming	boolean	f
security_state	string	Ok 1
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
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
knox_version	string	
manufacturer_os_version	string	4.3
mdm_enabled	boolean	TRUE
media_card_capacity	long	5803.04M
media_card_free	long	5562.67M
multi_mdm	boolean	FALSE
os_build_number	string	JDQ39
os_update_status	string	OK
platform_flags	string	0x3
samsung_dm	string	
secure_apps_encryption_enabled	boolean	"Ready"
secure_apps_encryption_mode	string	
secure_apps_enabled	boolean	"not enabled"
security_detail	string	"0"
usb_debugging	boolean	off

iOS and OS X Device Search Fields

Field name format:

```
"ios.<field_name>"
```

Field	Data Type	Sample Data
Activation Lock Bypass Code	string	JX17H-R0A7Z-E06R-X923-VUF8-81F3
Activation Lock Is Enabled	boolean	false

Field	Data Type	Sample Data
apnsToken	string	e43f9c41484baf6601b2e80f7390fe195df5...
BluetoothMAC	string	A88808C93459
BuildVersion	string	5.1
CarrierSettingsVersion	string	11.0
Current MCC	string	310
Current MNC	string	410
DataRoamingEnabled	boolean	false
data_protection	string	
DeviceName	string	Rui's iPad
forceEncryptedBackup	boolean	TRUE
HardwareEncryptionCaps	long	3
help_desk_enabled	boolean	
iCloud Backup Is Enabled	boolean	true
iOSBackgroundStatus	string	0
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
IsDeviceLocatorServiceEnabled	boolean	true
IsDoNotDisturbInEffect	boolean	true
iTunes Store Account Hash	string	EPMtjvzUBKKvhUJA9VOyvrQXkJI=
iTunesStoreAccountIsActive	boolean	false
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
PasscodeIsCompliantWithProfiles	boolean	TRUE
PasscodeIsCompliant	boolean	TRUE

Field	Data Type	Sample Data
Personal Hotspot Enabled	boolean	false
security_reason_code	string	0x40000000
SerialNumber	string	DMQL3K0RF182
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
IsDEPEnrolledDevice	boolean	true

Windows Phone and Surface Device Search Fields

Field name format:

```
"windows_phone.<field_name>"
```

Field	Data Type	Sample Data
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
wp_ent_dm_id	long	0
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
wp_management_service_address	string	
wp_mpns_notification_uri	string	

Field	Data Type	Sample Data
wp_os_platform	string	
wp_radio_swv	string	
wp_publisher_device_id	string	
wp_ent_device_name	string	

User-Related Device Search Fields

The set of user-related device search fields include:

- local user search fields
- LDAP search fields

Local User Device Search Fields

Field name format:

```
"user.<field_name>"
```

Field	Data Type	Sample Data
email_address	string	bsmith@mobileiron.com
display_name	string	BlargleFalargle
first_name	string	Bob
last_admin_portal_login_time	date	1382485711228
last_name	string	Smith
user_id	string	blargle
uuid	string	d0cae3dd-a3dd-46b8-8f5a-564cbe9152ac

LDAP-User Device Search Fields

LDAP-related search fields include:

- basic LDAP-related device search fields
- groups

Basic LDAP-User Device Search Fields

Field name format:

```
"user.ldap.<field_name>"
```

Field	Data Type
attr_dn	string
dn	string
locale	string

Field	Data Type
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
<dynamically created custom user-attribute field name #1>	string
<dynamically created custom user-attribute field name #2>	string
<dynamically created custom user-attribute field name #3>	string
<dynamically created custom user-attribute field name #4>	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
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

Value
Web App Platform
Windows
Windows 10
Windows 8.1
Windows Phone
Windows Phone 8
Windows Phone 8.1

Values for the "status" Device Search Field

Enum Name	Meaning
ACTIVE	Active
BLOCKED	Blocked
IENROLL_VERIFIED	Enrollment verified
IENROLL_INPROGRESS	Enrolling
IENROLL_COMPLETE	Enrolled
INFECTED	Infected
LOST	Lost
RETIRED	Retired
VERIFIED	Verified
VERIFICATION_PENDING	Pending
EXPIRED	Expired
WIPED	Wiped
WIPE_PENDING	Wipe pending
UNKNOWN	Unknown status

Values for the "owner" Device Search Field

Name	Meaning
COMPANY	Company-owned device
EMPLOYEE	Employee-owned (personal) device

Array Value Enumerations

Values for the "blocked_reasons", "noncompliance_reasons", and "quarantined_reasons" Device Search Fields

Each of the fields that use these values have an associated field to determine whether any reasons were set or not. For example, if a device is blocked, then the "blocked_reasons" field has a list of reasons, and the "blocked" field is 'true'.

Enum Name	Meaning	Hexadecimal Value
ALLOWED_APP_CONTROL	Allowed app control policy is out of compliance	0x004000
APP_CONTROL	App control policy is out of compliance	0x000040
ATTESTATION_FAILED	Attestation failed.	0x010000
AUTO_BLOCK	Device is not registered	0x000100
COMPROMISED	Device state is compromised	0x000001
DATA_PROTECTION	Data Protection is not enabled	0x000008
DEVICE_ADMIN_DEACTIVE	Device administrator is deactivated	0x000800
DEVICE_OUT_OF_CONTACT	Phone is out of contact	0x000020
DISALLOWED_APP_CONTROL	Disallowed app control policy is out of compliance	0x001000
EXCHANGE	Exchange-reported	0x000400
HW_VERSION	Hardware revision is not allowed	0x000004
LOGGED_OUT	User logged out	0x008000
MANUAL	Device is manually blocked	0x000200
OS_VERSION	OS version is less than the supported OS version	0x000002
PER_MAILBOX_LIMIT	Device exceeds per mailbox limit	0x000080
POLICY_OUT_OF_DATE	Policy is out of date	0x000010
REQUIRED_APP_CONTROL	Required app control policy is out of compliance	0x002000
UNKNOWN	Unknown reason	0x400000