



Ivanti Neurons for MDM Customer Integration API Guide

January 2024

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Revision History

Date	Description
Jan 10, 2024	Added information about the following calls: <ul style="list-style-type: none">• "Sync Compliance Status of a Device" on page 241• "Get the Status of the Asynchronous Request" on page 478• "Retry Installation of Error Configurations" on page 479
Nov 22, 2023	Added information about the "Bulk Enrollment API Calls" on page 313.
Oct 06, 2023	Added information about the call, "Get Reports List" on page 133.
Aug 10, 2023	Added information about the call, "Get All Accounts" on page 59.
May 10, 2023	Removed outdated and unnecessary chapter, "Making Your First API Calls." Ivanti, Inc. assumes that the audience for this guide has advanced API experience.
April 28, 2023	Added information about the call, "Get the List of Applications Available to a Particular Device" on page 423

Date	Description
April 19, 2023	Added information about the the iosDisallowProximitySetup, iosPreserveDataPlan, and messages parameters to the documentation for the call, "Wipe device" on page 251 .
April 10, 2023	Added more details to the documentation for the call, "Generate User Registration PIN" on page 131 .
March 8, 2023	<ul style="list-style-type: none">• Updated the following calls to include the assignedPoliciesAndConfigs and assignedPolicies parameters, which reduce return size and processing time if set to false:<ul style="list-style-type: none">◦ "Get List of Device Groups" on page 152◦ "Get General Information about a Device Group" on page 162• Added documentation for the call, "Get Device Group by Name Across Partitions" on page 168

Date	Description
	<ul style="list-style-type: none">• Added notes to the following sections about adding _# to the attribute name when using numerical custom device attributes in calls:<ul style="list-style-type: none">◦ "Create a Device Group" on page 149◦ "Get Device Details by Device Group" on page 175◦ "Add/Replace Custom Attributes Per Device " on page 191◦ "Patch custom attributes per device" on page 193◦ "Remove custom attributes per device - method 1" on page 196◦ "Remove custom attributes per device - method 2" on page 198◦ "Get Device Details Based on Attribute" on page 217
February 13, 2023	Added documentation for the call "Get current license information" on page 383.
November 29, 2022	Provided a new example request for creating an in-house app in the documentation for the call, "Create an App" on page 435.
November 22, 2022	Added documentation for the following calls: <ul style="list-style-type: none">• "Check Disable Lost Mode Viability (iOS only)" on page 269

Date	Description
	<ul style="list-style-type: none">• "Disable Lost Mode (iOS only)" on page 270
November 21, 2022	<ul style="list-style-type: none">• Updated the call "Apply a Custom Attribute to a User" on page 120 with additional call information and added an HTTP example.
November 11, 2022	Fixed formatting that was hiding important text in the HTML output of "Searching for devices efficiently" on page 35.
October 26, 2022	Added documentation for the following calls: <ul style="list-style-type: none">• "Get all custom attributes for an application version" on page 503• "Assign custom attributes to an application version" on page 504• "Update custom attributes for an application version" on page 505• "Delete custom attributes for an application version" on page 506• "Update custom attributes for applications" on page 507• "Update custom attributes for an application" on page 508• "Delete custom attributes for an application" on page 509• "Delete custom attributes for applications" on page 510• "Check Disable Lost Mode Viability (iOS only)" on page 269

Date	Description
	<ul style="list-style-type: none">• "Disable Lost Mode (iOS only)" on page 270• "Cancel Relinquish device (Android only)" on page 274
September 8, 2022	<ul style="list-style-type: none">• Added documentation for the following calls:<ul style="list-style-type: none">◦ "Check force logout viability" on page 258◦ "Force logout current users from devices" on page 259• Fixed typographical error in the call, "Get Application Configuration" on page 488.• Added note that you may only receive 50 rows in the return if the API call is against the database, for example, getting a list of user groups or device groups.
August 23, 2022	Added information about how to delete multiple users at once to the call, "Delete Users" on page 64
August 2, 2020	<ul style="list-style-type: none">• Added the following calls:<ul style="list-style-type: none">◦ "Check Update Operating System (OS) Version Viability (iOS Only)" on page 246◦ "Update Operating System (OS) Version (iOS only)" on page 247◦ "Enable Lost Mode (iOS only)" on page 266

Date	Description
	<ul style="list-style-type: none">• Added the section, "Searching for devices efficiently" on page 35, which describes how to use the sortFields and the new searchAfterValues parameters to perform efficient device searches in environments with ten-thousand or more devices.• Updated the following calls to include the searchAfterValues parameter:<ul style="list-style-type: none">◦ "Get Device Details Based on Attribute" on page 217◦ "Get List of Devices Registered Within x Amount of Time" on page 275◦ "Get List of Devices Checked In Within x Amount of Time" on page 287◦ "List Devices by UID or Email Address" on page 301
June 10, 2022	Updated list of GDPR fields .
June 9, 2022	<ul style="list-style-type: none">• Re-branded "Cloud" as "Ivanti Neurons for MDM."

Date	Description
	<ul style="list-style-type: none">• Added the following calls:<ul style="list-style-type: none">◦ "Install an App to devices with specified GUIDs - Asynchronous - iOS Only" on page 459◦ "Install an App based on App Distribution Filters - Asynchronous - iOS Only" on page 464◦ "Get asynchronous task list for current user" on page 476
April 8, 2022	Fixed issues with the Table of Contents.
January 15, 2022	<p>Changes include:</p> <ul style="list-style-type: none">• Renamed some calls and updated supporting documentation to be:<ul style="list-style-type: none">◦ "Exclude a Configuration from a Device" on page 234◦ "Push an excluded configuration to a device" on page 235◦ "Re-install a Configuration to a Device" on page 236• Fixed typos.• Updated copyright statement to reflect Ivanti, Inc, instead of Ivanti.
December 10, 2021	<p>Added the following calls:</p> <ul style="list-style-type: none">• "Get certificates assigned to a device" on page 243• " Get list of manually revoked certificates for specific date" on page 518

Date	Description
	<ul style="list-style-type: none">Updated "Delete Device" on page 260 documentation to indicate that Device should not be in the "ACTIVE" or "WIPE_PENDING" state when you attempt this call.
July 7, 2021	This guide is rebranded to align with Ivanti standards and is now available on the Ivanti documentation website . Search for "Ivanti Neurons for MDM."
March 3, 2021	<ul style="list-style-type: none">Added the androidSecurityPatchLevel return field to the Get Device Details call.Moved the apps configurations calls, "Create Application Configuration" on page 497 and "Update Application Configuration" on page 501 to the "Apps API Calls" on page 385 chapter.Added the call, Update In-House App Icons.Added the call, Remove custom attributes per device - method 2. This method leaves in place custom attributes not specified in the call.Removed rate limit guidance for the Get Application Inventory for a Particular Device call. There is no rate limit imposed for this call.Clarified the description of the forceOverwrite parameter for the "Patch custom attributes per device" on page 193 call.

Date	Description
January 22, 2021	Updated the sections "API Limits" on page 33 and Get Application Inventory for a Particular Device , that Ivanti Neurons for MDM now limits this call to thirty calls per minute per user. Previous limit was three calls per minute per user.
November 16, 2020	Added the following response fields to the returns of selected Device API calls: <ul style="list-style-type: none"> • legalOwnerId • legalOwnerEmailAddress
October 28, 2020	Added GET custom attributes call .
October 27, 2020	Updated the section, "API Limits" on page 33 .
October 3, 2020	<ul style="list-style-type: none"> • Added the "Get Connector status" on page 527 call. • Clarified use of rows parameter throughout guide. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. • Added the managed field to the return of the "Get Application Inventory for a Particular Device" on page 407 call. • Documented the ability to now use the device GUID as the identifier in the "Get Device Details" on page 199 call. • Added the timeZone field to the return of the "Get Device Details" on page 199 call.

Date	Description
	<ul style="list-style-type: none">• Documented the enhanced "Patch custom attributes per device" on page 193 call that allows updates of individual custom attributes, and addition of custom attributes.
August 19, 2020	<ul style="list-style-type: none">• Added the installedAt field to the return of the "Get Application Inventory for a Particular Device" on page 407 call.• Added the ipAddress field to the return of the "Get List of Devices Checked In Within x Amount of Time" on page 287 call.• Updated the "Get Device Enrollment Program (DEP) details by DEP profile ID" on page 306 call.• Added the esimIdentifier and bootstrapTokenAvailable fields to the return of the device details call.• Added the minOsVersion field to the return of the various app details calls in this guide.• Added the "Get MDM profile" on page 312 call used when interacting with a custom Device Enrollment web page.

Date	Description
June 11, 2020	<ul style="list-style-type: none">• Added the passcodeCompliantWithProfiles response field to the following calls:<ul style="list-style-type: none">◦ "Get Device Details by Device Group" on page 175◦ "Get Device Details" on page 199◦ "Get Device Details Based on Attribute" on page 217◦ "Get List of Devices Checked In Within x Amount of Time" on page 287• Updated the "Response Fields" on page 398 section of the documentation for the call, "Get iTunes App Info by appStoreId" on page 397, to state that as of Ivanti Neurons for MDM 70, the displayVersion value matches the secondaryVersion value for iOS apps.
April 2, 2020	<p>Described the new priority parameter and added it to the following calls:</p> <ul style="list-style-type: none">• "Create Application Configuration" on page 497• "Update Application Configuration" on page 501
02/13/20120	Updated the following calls:

Date	Description
	<ul style="list-style-type: none"> • "Remove custom attributes per device - method 1" on page 196: This call removes selected custom attributes, rather than removing all custom attributes. • "Assign a Device to a User" on page 189: Changed the deviceld parameter to devicelds.
01/08/2020	<p>Added the return fields currentCountryName and homeCountryName to the following calls:</p> <ul style="list-style-type: none"> • "Get Device Details" on page 199 • "Get List of Devices Checked In Within x Amount of Time" on page 287
11/05/2019	<p>Added the accountIds and accountGroupIds parameters to the call, "Install an App based on App Distribution Filters - Synchronous - iOS Only" on page 470, which allow for custom distribution of the app.</p>
10/02/2019	<p>Added the following calls:</p> <ul style="list-style-type: none"> • "Discover Devices Eligible for a Given App" on page 455 • "Install an App to devices with specified GUIDs - Synchronous - iOS Only" on page 462 • "Install an App based on App Distribution Filters - Synchronous - iOS Only" on page 470
08/20/2019	<p>Added the following calls:</p>

Date	Description
	<ul style="list-style-type: none">• "Get a List of In-House Apps and Associated Provisioning Profile" on page 452• "Get List of Certificates Requiring Manual Revocation" on page 517
06/03/2019	<ul style="list-style-type: none">• Added the availableCapacity and totalCapacity return fields to the call, "Get List of Devices Registered Within x Amount of Time" on page 275• Included that you can now use GUIDs as identifying parameters for the following calls:<ul style="list-style-type: none">◦ "Force check in a device or devices" on page 249◦ "Lock a device or devices" on page 254◦ "Get Custom Attributes Per Device" on page 190◦ "Add/Replace Custom Attributes Per Device " on page 191◦ "Patch custom attributes per device" on page 193• Added the call, "Remove custom attributes per device - method 1" on page 196
02/07/2019	Added the following calls: <ul style="list-style-type: none">• "Get Application Configuration" on page 488

Date	Description
	<ul style="list-style-type: none">• "Create Application Configuration" on page 497• "Update Application Configuration" on page 501
01/22/2019	Added the following fields to the return of the GET device details calls: GUID, depEnrolled, depEligible.
12/4/2018	Minor: removed extra word in the "Delete Device" on page 260 call description.
11/29/2018	Added the section, "Sorting Results" on page 35 .
11/19/2018	<ul style="list-style-type: none">• Updated the "API Limits" on page 33 statement, clarifying usage of the <code>rows</code> and <code>start</code> parameters, and removing reference to the <code>offset</code> parameter, not used in this API.• Updated "Controlling Results" on page 34 to describe the <code>rows</code> and <code>start</code> parameters, and provided supporting examples.
11/7/2018	Updated the "API Limits" on page 33 statement.

Date	Description
08/29/2018	<ul style="list-style-type: none"> • Added the following calls: <ul style="list-style-type: none"> ◦ "Get list of manually revoked certificates for specific date" on page 518 ◦ "Delete User-Provided Certificates in Bulk Using CSV File" on page 521 ◦ "Delete User-Provided Certificates in Bulk Using Using Account and Policy" on page 524 • Added descriptions of the mutable and MDMChannelId fields.
05/17/2018	Replaced instances recommending the GET <code>api/v1/tenant</code> call with the GET <code>/api/v1/metadata/tenant</code> call.
05/04/2018	Updated details returned by get device details calls.
03/02/2018	<p>Added the following calls:</p> <ul style="list-style-type: none"> • List User Groups • Check Delete Viability • Delete Group
02/01/2018	<ul style="list-style-type: none"> • Added the Get Device Enrollment Program (DEP) details by DEP profile ID call. • Added the <code>overrideUrl</code> parameter to the Create an App and Update In-House App Details calls.

Date	Description
12/19/2017	Updated the Update In-House App Details call. Notably, added the mandatory primaryVersion and platformAppld parameters.
12/11/2017	<ul style="list-style-type: none"> • Changed Update In-House App Screenshots call from PUT to POST. • Changed Create a Rule Group call to Create a Device Group.
11/14/2017	Added a statement about API Limits .
11/2/2017	<ul style="list-style-type: none"> • In Apps API Calls, noted that all Apps API operations will apply to the default space only. • In the Get a List of In-House Apps call, updated the description of the cmPartitionId parameter. • For the Get Application Inventory for a Particular Device call, added a note that Ivanti Neurons for MDM limits this call to three per minute per user.
08/18/2017	Replaced the term "partition" with "space" in the explanatory sections of the text. The term "partition" remains in the API parameters and returns.
07/19/2017	<ul style="list-style-type: none"> • Clarified the Update an App section by breaking it into two calls: <ul style="list-style-type: none"> ◦ Uploading the new APK file ◦ Copying Previous App Version Artifacts

Date	Description
	<ul style="list-style-type: none"> • Added the following calls: <ul style="list-style-type: none"> ◦ Update In-House App Screenshots ◦ Update In-House App Details ◦ Delete Device ◦ Check Delete User Viability ◦ Delete User
06/07/2017	<ul style="list-style-type: none"> • Added the Get All Accounts call. • Updated the lastRegistrationTime date format in the Get List of Devices Registered Within x Amount of Time call to dd:hr:mm:ss from hr:mm:ss. • Added note that Basic Authentication is not supported with the Review and Rate an App call. • Clarified the behavior of the Add/Replace Custom Attributes Per Device and Patch Custom Attributes Per Device calls.
04/16/2017	Removed whitelisting requirements. No longer necessary.
03/03/2017	<p>Added the following calls:</p> <ul style="list-style-type: none"> • Create User without Password • Invite User • Import LDAP User

Date	Description
	<ul style="list-style-type: none"><li data-bbox="678 289 1015 321">• Check LDAP Import Status<li data-bbox="678 352 1101 384">• Apply Custom Attribute to a User<li data-bbox="678 422 1128 453">• List Devices by UID or Email Address

About this Guide

Introduction

This guide describes how to integrate your environment with Ivanti Neurons for MDM using the Integration API. It does not cover all calls, rather supported ones.

Assumptions

This guide assumes that you have:

- Advanced REST API experience
- An active Ivanti Neurons for MDM system
- The URL to your Ivanti Neurons for MDM system
- Tenant Admin credentials for making API calls

Key Concepts

Supported Platforms

Ivanti Neurons for MDM supports the following mobile platforms:

- Apple's iOS
- Google's Android

Understanding the Ivanti Neurons for MDM Account

When creating an Ivanti Neurons for MDM account, you can create an account that provides the user:

- A PIN for registering a device and user name and password for accessing the admin portal if the user has the required admin rights.
- A PIN to register a device.



Note: The device registration PIN is good for the first visit to Ivanti Neurons for MDM. There are other device registration authentication types available; Password Only, PIN Only or PIN and Password; for registering devices on subsequent visits to the portal. See [Understanding Device Registration Authentication Type](#).

When creating an account, you can send the user an invitation to connect their device and access the available apps and configurations.

You can find the API calls for creating an account here:

- [Creating a User without a Password](#)
- [Creating a User with a Password](#)

Understanding Device Registration Authentication Type

You can use the [Configuring User Device Registration Settings](#) call to set the device registration authentication type to Password Only, PIN Only or PIN and Password for users who visit Ivanti Neurons for MDM a second time and thereafter to register devices. You need to do this so that the [/api/v1/account/regpin](#) call will actually issue a registration PIN.

Overview of System Emails

Ivanti Neurons for MDM sends the following system emails:

Template Name	HTML Template	Trigger
End-User Invitation to Register (half account - requires PIN)	emailInvitation.html	Admin adds User without specifying a Password (or First Name, Last Name) and selects "Send invitation now" option. OR Admin selects a user and the "Invite User to Register Option". PIN-based invite is also sent when multiple users are invited with the Add -> Multiple Users.
PIN request	emailPinRequest.html	From /go or from within the Ivanti Neurons for MDM app (iOS and Android), user selects "Get a new PIN".
Password request	emailPasswordRequest.html	From /go or from within the Ivanti Neurons for MDM app (iOS and Android), user selects "Reset Password".
End-User Invitation to Register (full account - Requires Password)	emailInvitationNoPin.html	Admin adds a single User with a Password and First Name, Last Name specified then selects "Send invitation now" option.
Admin Invitation	emailAdminInvitation	

Template Name	HTML Template	Trigger
Admin Activation	emailAdminActivation	Tenant is created with "sendActivation=true" option whereby Ivanti Neurons for MDM emails the Tenant Admin a link to for setting their login password (typically, the password is emailed to the TA in a Welcome email sent outside Ivanti Neurons for MDM - typically the Purchasing system).
Policy compliance action email		
Send Message		Send message from Administrator.
Support Administrators		

Note that Ivanti Neurons for MDM does not allow email addresses with the following characters:

+

or

. (period)

Glossary of Key Concepts

This section describes key concepts in Ivanti Neurons for MDM.

App Catalog

The App Catalog is a list of the apps available to a specific user or user group.

App Inventory

The App Inventory is the list of all apps installed on all the managed devices.

App

An app is software that runs a device. Ivanti Neurons for MDM can control access to apps.

Categories

Categories organize the apps and content available in the Content Catalog and App Catalog. Users can browse apps and content by their respective categories. Apps and Content both have different set of categories.

Configurations

Configurations are saved sets of attributes applied to devices.

Content

Content includes business documents of the following types: DOC, PDF, PPT, RTF, TXT, XLS, GIF, JPEG, PNG. The Ivanti Neurons for MDM user interface presents apps and content as differently managed entities.

Device

Ivanti Neurons for MDM manages devices. Devices include:

- Android phone
- Android tablet
- iPhone
- iPad
- iPad-mini
- Apple TV

Group

A group is a collection of users. You can assign roles to groups which are then inherited by users.

Policies

A policy is the combination of a rule and a compliance action. A rule checks and reports on specific conditions of the end user mobile device. A compliance action defines how Ivanti Neurons for MDM responds if the specified condition occurs. Compliance actions include:

- Monitor the device
- Send a message to the user
- Quarantine the device

Role

Ivanti Neurons for MDM supports the following roles:

- API Roles
 - System Admin – Used for calls to create tenants, perform licensing and site reporting
 - Tenant Admin – Used for all other API calls
- User and User Group Roles – Assigned to Ivanti Neurons for MDM users and user groups:

Administrative Roles	
Role	Description
System Management	If selected, this role includes the System Read Only and User Read Only roles.
User Management	If selected, this role includes the User Read Only role.
Device Management	If selected, this role includes the User Read Only role and the Device Read Only role.
App & Content Management	If selected, this role includes the User Read Only role and the App and Content Read Only role.
Helpdesk Roles	
Role	Description
System Read Only	If selected, this role includes the User Read Only role.
User Read Only	Allows grantee view user information.
Device Read Only	If selected, this role includes the User Read Only role.
App & Content Read Only	If selected, this role includes the User Read Only role.

Ivanti Neurons for MDM API Basics

System Role

Your implementation of the Ivanti Neurons for MDM Integration API supports the following role:

Tenant Admin – Authorized to make calls related to the tenant owned by the admin, such as creating and updating accounts.

Authentication

The Ivanti Neurons for MDM Integration APIs use Basic Authentication to authorize API calls. You need to add an authentication header when making calls. See the examples provided in the section for how to add authentication to your calls.



Some of the example calls in this guide do not illustrate an authentication component, however, you should add authentication to your actual calls.

GDPR Consideration

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

Typical fields include:

- User ID
- User's Name
- Email Address
- Phone Number
- IMEI

- Serial Number
- ICCID
- IMSI
- MEID
- IP Address
- eSIM Identifier

API Limits

If you are using an Ivanti Neurons for MDM API call that is not described in this guide, then that call is unpublished and unsupported.

Rows Parameter Limit

Ivanti Neurons for MDM paginates the results of APIs and limits the maximum number of results returned to 500 per page to avoid performance issues that may occur when retrieving and transferring large data sets.



You may only receive 50 rows in the return if the API call is against the database, for example, getting a list of user groups or device groups.

When making API calls:

- **Do not send a value greater than 500 for the rows parameter.** Ivanti Neurons for MDM release 75 and later will return the following error response when encountering API calls that violate the 500 row limit:

```
400 Bad Request
{
  "errors": {
    "globalErrors": null,
    "fieldErrors": [
      {
        "code": "Range",
        "message": "must be between 1 and 500",
        "field": "rows"
      }
    ]
  },
  "result": null
}
```

- **Paginate your API returns.** If you are using any published API that takes as input the rows parameter, but your code is not paginating the returned results, then you should change that code to enforce pagination, extracting objects one page at a time. You can change the number of results returned per page by using the rows parameter, and the set of results returned by using the start parameter. See ["Controlling Results" below](#) for complete details and examples.

Controlling Results

Because of Ivanti Neurons for MDM APIs 500 row limit per page described in ["API Limits" on the previous page](#), you may need to use the following parameters to avoid hitting the API limit.

Parameter	Description
rows	Syntax: <code>rows=<i>n</i></code> Limits the number of records retrieved. For example, <code>rows=100</code> returns 100 rows of records. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500.
start	Syntax: <code>start=<i>n</i></code> Specifies the record on which to start the return. For example, if you have 200 devices, to get the last 40 devices, use <code>start=160</code> .

Examples

You have 12340 devices and you cannot retrieve them all at once because you need to chunk them up into rows of at most 500 to avoid the 500 row limit described in ["API Limits" on page 33](#).

To get first 100 devices:

```
&rows=100&start=0
```

To get second 100 devices:

```
&rows=100&start=100
```

To get the last 40 devices from the list ;

```
&rows=100&start=12300
```

Sorting Results

You can use the `sortFields[0].name` and `sortFields[0].order` parameters to sort results. When sort order is not set for an API, the API returns the response sorted for the fastest response.

Parameter	Description
<code>sortFields[0].name</code>	Syntax: <code>sortFields[0].name=<i>field</i></code> Specifies the field on which to sort. For example, <code>sortFields[0].name=emailAddress</code> sorts on the <code>emailAddress</code> field. Here it is URL encoded: <code>sortFields%5B0%5D.name=emailAddress</code>
<code>sortFields[0].order</code>	Syntax: <code>sortFields[0].order=[ASC][DESC]</code> Specifies ascending or descending sort order. For example, <code>sortFields[0].order=ASC</code> sorts in ascending order. Here it is URL encoded: <code>sortFields%5B0%5D.order=ASC</code>

Searching for devices efficiently

You can use the **sortfields** and **searchAfterValues** parameters to search for devices efficiently and with good performance. This strategy applies to GET `/api/v1/device` calls, and is especially useful in environments with ten-thousand or more devices.

To perform the searches:

1. Issue the first request, using the **sortFields** parameter to sort on a unique value, for example **id**:

```
https://[Ivanti Neurons for
MDM]/api/v1/device?q=&rows=<
paginationSize>&dmPartitionId=<devicePartitionId>&sortFields[0].name=id&sortFields
[0].order=ASC&nav=true
```

sortFields:

- Can be an array of fields as long as there is one unique field present as a tiebreaker. Ensure that you are passing the same **sortFields** array in step 2 as you use in step 1.
 - The number and order of fields passed as sort fields must match with the number and order of fields to be passed in the searchAfterValues parameter.
2. Issue the second request onwards, using the **sortFields** parameter to sort on the same field(s) and in the same order, and passing the value for **sortFields** in the last found sort record to the **searchAfterValues** parameter:

```
https://[Ivanti Neurons for
MDM]/api/v1/device?q=&rows=<pageSize>&dmPartitionId=<devicePartitionId>&sortFields
[0].name=id&sortFields[0].order=ASC&nav=true&searchAfterValues[0]=<last record
device id from previous search result>
```



For device searches, do not use the **start** parameter if the number you would use is 10000 or more. Instead use the **searchAfterValues** parameter. The **start** parameter searches the entire record set and returns rows after the value specified, whereas, **searchAfterValues** ignores the record set earlier than the supplied value for **searchAfterValues**, saving search time.

Example Device Search Session - Three Successive Calls

First call

```
https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=10&dmPartitionId=23071&sortFields
[0].name=id&sortFields[0].order=ASC&nav=true
{
  "errors": null,
  "result": {
    "totalCount": 54,
    "searchResults": [
      {
        "id": 22184,
        ...
      },
    ],
  },
}
```

```
{
  "id": 22185,
  ...
},
{
  "id": 22186,
  ...
{
  "id": 22187,
  ...
},
{
  "id": 22188,
  ...
},
{
  "id": 22189,
  ...
},
{
  "id": 22190,
  ...
},
{
  "id": 22191,
  ...
},
{
  "id": 22192,
  ...
},
{
  "id": 22194,
  ...
}
],
...
}
```

Second Call

`https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=10&dmPartitionId=23071&sortFields[0].name=id&sortFields[0].order=ASC&nav=true&searchAfterValues[0]=22194`

```
{
  "errors": null,
  "result": {
    "totalCount": 54,
    "searchResults": [
      {
        "id": 22195,
        ...
      },
      ...
    ]
  }
}
```

```

    ...
    ...
    ...
    ...
    ...
    ...
    ...
    ...
    {
      "id": 22204,
      ...
    }
  ],
  ...
}

```

Third Call

`https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=10&dmPartitionId=23071&sortFields[0].name=id&sortFields[0].order=ASC&nav=true&searchAfterValues[0]=22204`

```

{
  "errors": null,
  "result": {
    "totalCount": 54,
    "searchResults": [
      {
        "id": 22205,
        ...
      },
      ...
      ...
      ...
      ...
      ...
      ...
      ...
      ...
      ...
      {
        "id": 22215,
        ...
      }
    ],
    ...
  }
}

```

Searching for users efficiently

You can use the **sortFields** and **searchAfterValues** parameters to search for users efficiently and with good performance. This strategy applies to GET `/api/v1/account` calls, and is especially useful in environments with ten-thousand or more users.

To perform the searches:

1. Issue the first request, using the **sortFields** parameter to sort on a unique value, for example, **id**:

```
https://[Ivanti Neurons for
MDM]/api/v1/account?q=&rows=<paginationSize>&start=0&fq=&sortFields
[0].name=id&sortFields[0].order=ASC&nav=true
```

sortFields:

- Can be an array of fields as long as there is one unique field present as a tiebreaker. Ensure that you are passing the same **sortFields** array in step 2 as you use in step 1.
 - The number and order of fields passed as sort fields must match with the number and order of fields to be passed in the **searchAfterValues** parameter.
2. Issue the second request onwards, using the **sortFields** parameter to sort on the same field(s) and in the same order, and passing the value for **sortFields** in the last found sort record to the **searchAfterValues** parameter:

```
https://[Ivanti Neurons for
MDM]/api/v1/account?q=&rows=<pageSize>&start=0&fq=&sortFields[0].name=id&sortFields
[0].order=ASC&nav=true&searchAfterValues[0]=<last record account id from previous
search result>
```



For user searches, do not use the **start** parameter if the number you would use is 10000 or more. Instead use the **searchAfterValues** parameter. The **start** parameter searches the entire record set and returns rows after the value specified, whereas, **searchAfterValues** ignores the record set earlier than the supplied value for **searchAfterValues**, saving search time.

Example User Search Session - Three Successive Calls

Example Request

First call

```
https://[Ivanti Neurons for MDM]/api/v1/account?q=&rows=10&start=0&fq=&sortFields
[0].name=id&sortFields[0].order=ASC&nav=true
```

Example Response

```
{ "
errors": null,
"result": {
```

```
"totalCount": 44,  
"searchResults": [  
  { "  
  id": 10002,  
  ...  
  },  
  { "  
  id": 10003,  
  ...  
  },  
  { "  
  id": 10004,  
  ...  
  },  
  { "  
  id": 10005,  
  ...  
  }{ "  
  id": 10006,  
  ...  
  }{ "  
  id": 10007,  
  ...  
  }  
  { "  
  id": 10008,  
  ...  
  }{ "  
  id": 10009,  
  ...  
  }{ "  
  id": 10010,  
  ...  
  }{ "  
  id": 10011,  
  ...  
  } ],  
  ...  
}
```



```
...
},
...
...
...
...
...
...
...
...
...
{ "
id": 10031,
...
} ],
...
}
```

HTTP Response Codes

The API issues the codes listed below in its responses, and issues a "Success" message for successful calls. When a call fails, the API issues a descriptive error message.

- 200 OK - Success
- 400 Bad request - The request was invalid. The accompanying error message in the output explains the reason.
- 401 Unauthorized - Authentication to the API has failed. Authentication credentials are missing or wrong.
- 403 Forbidden – You are trying to access a resource that does not belong to you.
- 404 Not found - The requested resource is not found. The accompanying error message explains the reason.
- 500 Internal Server Error - An internal server error has occurred while processing the request.
- 502 Bad Gateway - The Ivanti Neurons for MDM server is not reachable.

Response Types

The API can return responses in JSON.

Common Response Objects

This section contains descriptions of the common response objects returned by the API.

Error

This object represents error response.

```
{
  "fieldErrors": [
    {
      object("FieldError
" below)
    }
  ],
  "globalErrors": [
    {
      object("GlobalError
" on the next page)
    }
  ]
}
```

Field	Description
Field	Description
fieldErrors[]	object("FieldError " below) A list of errors related to request parameters.
globalErrors[]	object("GlobalError " on the next page) A list of general errors.

FieldError

This object represents errors related to request parameters.

```
{
  "code": string,
  "field": string,
  "message": string
}
```

Field	Description
code	string HTTP response error code as documented in the API guide.
field	string The request field that has an error.
message	string Localized description of the error message.

GlobalError

This object represents global errors.

```
{
  "code": string,
  "message": string
}
```

Field	Description
code	string HTTP response error code as documented in the API guide.
message	string Localized description of the error message.

The Importance of the Device Space ID

The device space ID is an important value in Ivanti Neurons for MDM and is needed to make a variety of device-related API calls. You can get the default device space ID by examining the response of the GET Tenant Metadata call, described in the section, "[Get Device Enrollment Program \(DEP\) details by DEP profile ID](#)" on page 306. You can get a list of all device spaces in a tenant using the [Get Device Spaces](#) call. The device space ID appears as shown below in the Get Tenant Metadata call:

```
"defaultDmPartitionId": 23004,
```

Note: Device "spaces" were previously named device "partitions" in the Ivanti Neurons for MDM user interface, however, the term "partition" remains in API parameters and returns.

User API Calls

This chapter describes the supported API calls for customer integration using the API. If the call does not appear in this document, then it is unsupported.

Create User without Password

This call creates a user without a password.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

api/v1/accounts

Request Parameters

Parameter	Argument Type	Description	Sample Value
sendInvite	Path	True if we want to send invite	true
emailAddress	Request body	Email address	nsmith@acme.com
accountSource	Request body	Type of user. LOCAL	LOCAL
uid	Request body	Same as the email address	nsmith@acme.com

Example Request

Example Request URL

`https://cluster056.auto.acme.com/api/v1/accounts?sendInvite=true`

Example Request Body

```
accounts[0].emailAddress=nsmith@acme.com  
accounts[0].accountSource=LOCAL  
accounts[0].uid=nsmith@acme.com
```

Response Fields

Field	Description
errors	Errors returned by the call
result– Results container for user information	
id	Internal ID for the user
createdAt	When created.
createdBy	Who created it.
modifiedAt	When modified.
modifiedBy	Who modified it.
displayName	Display name of account.
firstName	First name for the account.
lastName	Last name for the account.
ldapServerId	LDAP server ID for the account.
uid	UID for the account. Same as the email address.
emailAddress	Email address for the account Same as UID.
username	User name for the account.
accountSource	Account source. Can be LOCAL, and perhaps LDAP later.
inviteState	Has the user responded to the invitation?
inviteResendCount	How many times has the invite been resent?
inviteLastSentAt	When was the invite last sent?
locale	The account's locale.
enabled	Is the account enabled?
locked	Is the account locked?
superUser	Is this account a superuser?
termsAccepted	Did this account accept the terms?

Field	Description
passwordExpiresAt	When does the password expire?
distinguishedName	
objectGuid	
trash	Has this account been discarded?
mutable	Can be modified by default.
loginFailureCount	How many times has the user unsuccessfully tried to login?
loginSuccessAt	
passwordHistory	
guid	
actionExceptionCodes	

Example Response

```
{
  "errors": null,
  "result": [
    {
      "id": 10023,
      "createdAt": null,
      "createdBy": 10001,
      "modifiedAt": null,
      "modifiedBy": 10001,
      "displayName": null,
      "firstName": null,
      "lastName": null,
      "ldapServerId": null,
      "uid": "nsmith@acme.com",
      "emailAddress": "nsmith@acme.com",
      "username": null,
      "accountSource": "LOCAL",
      "inviteState": null,
      "inviteResendCount": 0,
      "inviteLastSentAt": null,
      "locale": "en_US",
    }
  ]
}
```

```
"enabled": false,
"locked": false,
"superUser": false,
"termsAccepted": false,
"passwordExpiresAt": null,
"distinguishedName": null,
"objectGuid": null,
"trash": false,
"mutable": true,
"loginFailureCount": 0,
"loginSuccessAt": null,
"passwordHistory": "{\"passwords\":[]}",
"guid": null,
"actionExceptionCodes": null
}
]
}
```

Create User with Password

This call creates a user with a password.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

api/v1/account

Request Parameters

Parameter	Argument Type	Description	Example Value
sendInvite	Path	True if we want to send invite	true
accountSource: LOCAL	Request body	Email address	nsmith@acme.com
accountSource	Request body	Type of user. Can be LOCAL or LDAP	LOCAL
uid	Request body	Same as the email address	nsmith@acme.com
emailAddress	Request body	email address of the user	
firstName	Request body	first name	
lastName	Request body	last name	
displayName	Request body	display name	
password	Request body	password for the user	
confirmPassword	Request body	confirm the password	

Example Request

Example Request URL

`https://cluster056.auto.acme.com/api/v1/account?sendInvite=true`

Example Request Body

```
accountSource=LOCAL
uid=test@acme.com
emailAddress=test@acme.com
firstName=Cool
lastName=Tester
displayName=Cool+Tester
password=Testing!23
confirmPassword=Testing!23
```

Response Fields

Field	Description
errors	Errors returned by the call
id	Internal ID for the user
createdAt	When the account was created.
createdBy	Who created the account?
modifiedAt	When was the account modified?
modifiedBy	Who modified the account?
displayName	Display name for account.
firstName	First name of account.
lastName	Last name of account.
ldapServerId	LDAP server ID for the account.
uid	UID for the account.
emailAddress	Email address for the account.
username	Username for the account.
accountSource	Source for the account. Can be LOCAL. LDAP may be supported later.
inviteState	Has the use been invited?
inviteResendCount	How many times has the invitation been resent?
inviteLastSentAt	When was the invitation last sent?
locale	What is the account locale?
enabled	Is the account enabled?
locked	Is the account locked?
superUser	Is the user a supersuer?
termsAccepted	Has the user accepted the terms?
passwordExpiresAt	When does the password expire?

Field	Description
distinguishedName	
objectGuid	
trash	Has the account been discarded?
mutable	Can be modified by default.
loginFailureCount	
loginSuccessAt	
passwordHistory	
guid	
actionExceptionCodes	

Example Response

```
{
  "errors": null,
  "result": {
    "id": 10024,
    "createdAt": null,
    "createdBy": 10001,
    "modifiedAt": null,
    "modifiedBy": 10001,
    "displayName": "TestFName TestLame",
    "firstName": "TestFName",
    "lastName": "TestLame",
    "ldapServerId": null,
    "uid": "test@acme.com",
    "emailAddress": "test@acme.com",
    "username": null,
    "accountSource": "LOCAL",
    "inviteState": null,
    "inviteResendCount": 0,
    "inviteLastSentAt": null,
    "locale": "en_US",
    "enabled": true,
    "locked": false,
  }
}
```

```
"superUser": false,
"termsAccepted": false,
"passwordExpiresAt": null,
"distinguishedName": null,
"objectGuid": null,
"trash": false,
"mutable": true,
"loginFailureCount": 0,
"loginSuccessAt": null,
"passwordHistory": "{\"passwords\":[]}",
"guid": null,
"actionExceptionCodes": null
}
}
```

Invite User

This call invites a user to register with Ivanti Neurons for MDM, optionally setting device ownership to EMPLOYEE, COMPANY, or UNKNOWN.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/invite/enduser

Request Parameters

Parameter	Argument Type	Description	Example Value
accountIds	Request body	The accounts you wish to invite.	10552
deviceOwnershipType	Request body	Optional. Sets the device ownership. Valid values are: <ul style="list-style-type: none"> • EMPLOYEE • COMPANY • UNKNOWN 	EMPLOYEE

Example Request

```
curl "https://[Ivanti Neurons for MDM]/api/v1/invite/enduser" -H "Accept: application/json, text/plain, */*" --data "accountIds=10552&deviceOwnershipType=EMPLOYEE" --compressed
```

Response Fields

Field	Description
errors	Errors returned by the call
result	The result set container

Example Response

```
{
  "errors": null,
  "result": true
}
```

Get Enrollment URL

This call creates an enrollment URL that enrolls a user without the user having to enter a pin.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/tenant/enrollment/url

Request Parameters

Parameter	Argument Type	Description	Example Value
accountIds	Request body	The accounts for which you want to create the enrollment URL.	10022
tokenLifetime	Request body	The token lifetime.	604800000

Example Request

```
cURL 'https://[Ivanti Neurons for MDM]/api/v1/tenant/enrollment/url' -d '{"accountIds": [10022 ], "tokenLifetime": 604800000}' -H 'Content-Type: application/json'
```

Response Fields

Field	Description
errors	Errors returned by the call
result	The result set container
accountId	The account Id and corresponding enrollment URL.

Example Response

```
{
```

```
"errors": null,  
"result": {  
  "10022": "https://[Ivanti Neurons for  
MDM]/c/i/reg/enroll.mobileconfig?token=7F7F00009C44AFBE0001000600108EAB34439F38473CAC15E  
4A6A10B69D8BEAF04474710AE859B37454248922171D5A969B312C66E844678C80800E7DF7E3EAABF8E35E12  
322E4ABD6988314AD333C3740B7DD9550F98EA78704CD1AD7D82636162CE31E85B857DF5EBC2636F161EF771  
3663361AFC93A03009307E2B70C37D893E55E5E659D6F34FF36C3A747E47640811F00FCF9F1537D5B20AD2EC  
3264775B45780B942EC3F3D6C790D3F38514F6EB274B463D1557CD68273FD325FB6FE006777499F70858B427  
CBCB67943F1070B6EDBAC1115C1"  
  }  
}
```

Get All Accounts

This call gets information about all accounts, including the id and emailAddress values that you can use in other calls.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/account

Request Parameters

Parameter	Argument Type	Description	Example Value
rows	Path	How many rows to return in the query. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34.	50
start	Path	Integer. The row on which to start the display.	0
searchAfterValues	Query	Useful in searches in environments with ten-thousand or more accounts. See "Searching for users efficiently" on page 38.	

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/account?q=&rows=50&start=0&sortFields%5B0%5D.name=displayName&sortFields%5B0%5D.order=ASC&nav=true' \
```

```
-H 'Accept: application/json, text/plain, */*' \
```

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 21,
    "searchResults": [
      {
        "id": 6150167,
        "createdAt": 1442949222375,
        "displayName": "r m",
        "firstName": "r",
        "lastName": "m",
        "uid": "harrison2728@juno.com",
        "emailAddress": "harrison2728@juno.com",
        "accountSource": "LOCAL",
        "inviteState": "Expired",
        "inviteResendCount": 0,
        "accountType": "USER",
        "enabled": true,
        "locked": false,
        "superUser": false,
        "termsAccepted": false,
        "accountSettings": "null",
        "mutable": true,
        "loginFailureCount": 0,
        "passwordHistory": "{}",
        "androidWorkUserStatus": "NONE",
        "androidWorkRetryCount": 0,
        "registrationPin": {
          "createdAt": null,
          "expiresAt": null,
          "pin": null,
          "used": false
        },
        "groups": [
          "All Users"
        ],
        "deviceCount": 0
      },
      ...
    ]
  }
}
```

```
],
"offset": 0,
"queryTime": 16,
"facetedResults": {
  "ACCOUNTSOURCE": {
    "LOCAL": 21
  },
  "TERMSACCEPTED": {
    "false": 16,
    "true": 5
  },
  "INVITESTATE": {
    "Completed": 9,
    "Expired": 5,
    "None": 6,
    "Pending": 1
  },
  "ANDROIDWORKSTATUS": {
    "NONE": 21
  },
  "ACCOUNTGROUP": {
    "ForDocs": 1,
    "Group 8": 2,
    "All Users": 21,
    "North American Users": 1,
    "European Users": 1,
    "Appusers": 1
  }
},
"totalUnfilteredResultCount": 0
}
}
```

Check Delete User Viability

This call informs you whether you can delete a specific user.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/account?checkDeleteViability=true&ids={id}

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Query	ID of the target account. You get it with the Get All Accounts call.	47253017

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/account?checkDeleteViability=true&ids=47253017'
```

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [ ],
    "totalCount": 0,
    "offset": 0,
    "limit": 0
  }
}
```

Delete Users

This call deletes one or more users. You should run the [Check Delete User Viability](#) call first to determine whether you can delete the target users.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

/api/v1/account?id={id}

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request body	IDs of the target accounts. You get them with the Get All Accounts call. Separate multiple accounts with commas, url encoded, meaning use %2C for the comma.	One account: 47253017 Two accounts: 11193157%2C1516548

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/account?id=47252222' -X DELETE
```

Example Response

```
{  
  "errors": null,  
  "result": 1
```



```
}
```

Update User Account

This call updates a user's account information.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

/api/v1/account

Request Parameters

Parameter	Argument Type	Description	Example Value
displayName	Request body	New value for the display name. Cleared if not present in the call.	John Doe
androidWorkDeviceAccountEnabled	Request body	New value to enable use of Android Work Device Account instead of User Account.	false
emailAddress	Request body	New value for email address. Cleared if not present in the call.	johndoe@mobileiron.com
firstName	Request body	New value for first name. Cleared if not present in the call.	John
lastName	Request body	New value for last name. Cleared if not present in the call.	Doe
enabled	Request body	New value to enable/disable the account. true or false. Cleared if not present in the call.	true

Parameter	Argument Type	Description	Example Value
passwordNeverExpire	Request body	New value to indicate if password never expires for the account. true or false. Cleared if not present in the call.	false
gdprProfileId	Request body	New value for GDPR profile identifier. Cleared if not present in the call.	259
managedAppleId	Request body	New value for managed Apple identifier. Cleared if not present in the call.	aa@a.com
edipi	Request body	New value for Electronic Data Interchange Personal Identifier. Cleared if not present in the call.	1234567899

Parameter	Argument Type	Description	Example Value
password	Request body	New value for password.	Letme77in@
confirmPassword	Request body	New value for password.	Letme77in@
id	Request body	ID of the target account. You get it with the Get All Accounts call.	11193157

Example Request

```
curl --location --request PUT 'https://[Ivanti Neurons for MDM]/api/v1/account' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--header 'Authorization: Basic <token>' \
--data-urlencode 'firstName=John' \
--data-urlencode 'lastName=Doe' \
--data-urlencode 'emailAddress=johndoe@mobileiron.com' \
--data-urlencode 'uid=johndoe@mobileiron.com' \
--data-urlencode 'displayName=John Doe' \
--data-urlencode 'id=11193157' \
--data-urlencode 'accountSource=LOCAL' \
--data-urlencode 'enabled=true' \
--data-urlencode 'managedAppleId=epsmith@a.com' \
--data-urlencode 'mamWithoutMDM=' \
--data-urlencode 'password=Letme77in@' \
--data-urlencode 'confirmPassword=Letme77in@' \
--data-urlencode 'edipi=1234567895' \
--data-urlencode 'androidWorkDeviceAccountEnabled=false' \
--data-urlencode 'gdprProfileId=' \
--data-urlencode 'passwordNeverExpire=true'
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Import LDAP User

There are two calls you use to accomplish the user import:

- [Import LDAP User](#): Sends a request to import a specific LDAP user.
- [Check LDAP Import Status](#): Checks the status of the import request.
- A suggested choreography is that after having issued the Import LDAP User call, you wait fifteen seconds and then issue the Check LDAP Import Status call. You can then re-issue the Check LDAP Import Status call every fifteen seconds until ninety seconds have elapsed.

This call sends a request to import an LDAP user.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/ldap/import/user

Request Parameters

Parameter	Argument Type	Description	Example Value
uidOrEmail	Path	User ID of the LDAP user to import.	testuser123623@auto12.mobileiron.com
ldapServerName	Path	Optional. Name of the LDAP server. If no ldapServerName is specified, then the tenant should have a single LDAP server added and it will be used for the user search & import.	ldap-2k
sendInvite	Path	Optional. Specifies whether to send the user an email invitation. Valid values: <ul style="list-style-type: none"> • true • false 	true
deviceOwnershipType	Path	Optional. Specifies whether to set device ownership. Valid values: <ul style="list-style-type: none"> • EMPLOYEE • COMPANY 	EMPLOYEE

Example Request

```
$curl -X POST -u username:password -kv "https://[Ivanti Neurons for MDM]/api/v1/ldap/import/user?uidOrEmail=testuser123623@auto12.mobileiron.com&ldapServerName=ldap-2k&sendInvite=true"
```

Response Fields

Field	Description
errors	Errors returned by the call.
result	Returned request ID. You will use this value in the Check LDAP Import Status call.

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Check LDAP Import Status

This call checks whether the Import LDAP User call was successful.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/ldap/import/user/status

Request Parameters

Parameter	Argument Type	Description	Example Value
requestId	Path	The request Id returned by the Import LDAP User call.	1

Example Request

```
$curl -X GET -u username:password -kv "https://Ivanti Neurons for MDM/api/v1/ldap/import/user/status?requestId=1"
```

Response Fields

Field	Description
requestId	Errors returned by the call
status	The result set container
errorCode	The error code returned by the call. See the Example Responses below for the kinds of error codes the call may return.
errorMessage	The error message returned by the call. See the Example Responses below for the kinds of error messages the call may return.

Example Responses

User import successfully completed

```
{
  "requestId": 1,
  "status": "COMPLETED",
  "errorCode": "",
  "errorMessage": ""
}
```

User import in-progress

```
{
  "requestId": 1,
  "status": "IN_PROGRESS",
  "errorCode": "",
  "errorMessage": ""
}
```

User import failed - User not found

```
{
  "requestId": 1,
  "status": "FAILED",
  "errorCode": "LDAP_USER_IMPORT-106",
  "errorMessage": "The LDAP user unknown@auto12.mbileiron.com not found to import."
}
```


User import failed - Invalid Entry

```
{
  "requestId": 1,
  "status": "FAILED",
  "errorCode": "KC-103",
  "errorMessage": "The LDAP entry has invalid attribute to be imported."
}
```

Invalid LDAP server name

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "LDAP_USER_IMPORT-103",
        "message": "No LDAP server with name invalid-ldap found."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

Request not found

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "LDAP_USER_IMPORT-100",
        "message": "The LDAP user import request id 1 not found."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

Get Account Metadata

This gets account metadata for the current user. This is a useful call for finding the default content and space IDs for a user.

Authentication

This call requires Tenant Admin credentials

HTTP Method

GET

Request URI

api/v1/account/metadata

Request Parameter

Parameter	Description	Example Value
metadata	Instructs the API to get account metadata for the current user.	metadata

Example Request

https://[Ivanti Neurons for MDM]/api/v1/account?metadata

Response Fields

Field	Description
errors	
result	
accountId	
displayName	
lastName	
firstName	
emailAddress	
defaultCmPartitionId	
defaultDmPartitionId	
globalAuthorities	
accountRole.to.group.update	
kocab.update	
contentstore.preview	
ldap.authenticate.user	
app.store.settings.update	
configurator.authtoken.read	
account.invite.admin	
accountGroup.delete	
ldap.server.sync	
sfdc.oauth.profile.update	
account.permission.tenant.read	
accountRole.delete	
accountGroup.create	
mizar.delete	
account.read	
account.password.reset	

Field	Description
partition.device.delete	
app.category.delete	
account.delete	
partition.device.update	
message.delete	
whitelabel.resource.tenant.read	
account.invite.enduser	
kocab.delete	
message.read	
partition.device.create	
sfdc.oauth.profile.read	
mizar.read	
accountRole.read	
alcor.update	
configurator.authtoken.create	
mizar.create	
partition.content.update	
alcor.delete	
app.search.googleplay	
accountRole.to.permission.update	
partition.content.read	
account.update	
account.send.message	
accountGroup.update	
message.create	
policy.certificate.store.read.all	

Field	Description
account.to.group.update	
partition.content.create	
alcor.create	
account.preferences.change	
ldap.search.group	
policy.template.tenant.read	
report.snapshot.read	
configurator.authtoken.delete	
accountRole.update	
account.password.change	
kocab.create	
appstore.preview	
ldap.server.persist.generic	
device.register	
eula.tenant.read	
accountRole.to.account.update	
kocab.read	
app.category.create	
app.category.update	
open.sfdc.support.case	
tenant.settings.update	
mizar.update	
report.metadata.read	
ldap.server.default.read	
ldap.persist.organizationalUnit	
ldap.search.generic	

Field	Description
accountGroup.to.role.update	
alcor.read	
audit.account.read	
account.generate.pin	
ldap.server.test.connection	
accountRole.create	
ldap.server.read	
report.trending.read	
ldap.server.update	
content.category.update	
accountGroup.to.account.update	
content.category.delete	
account.create	
app.category.read	
ldap.search.organizationalUnit	
configurator.plist.read	
ldap.server.delete	
tenant.settings.read	
ldap.persist.group	
ldap.server.decouple.generic	
partition.device.read	
ldap.persist.user	
app.store.settings.read	
message.update	
content.category.create	
accountGroup.read	

Field	Description
content.category.read	
audit.accountGroup.read	
eula.tenant.accept	
utils.x509.fingerprint.read	
ldap.search.user	
app.search.itunes	
ldap.server.create	
account.to.role.update	
accountGroup.to.group.update	
dmPartitions	
23000	
name	
authorities	
policy.subscribedCalendar.create	
policy.passcode.delete	
policy.sso.account.update	
policy.scep.to.ruleGroup.update	
policy.identity.certificate.dg.to.ruleGroup.update	
policy.subscribedCalendar.update	
policy.opaque.ios.create	
policy.cellular.create	
policy.aim.audit.read	
policy.jabber.delete	
policy.appconnect.zone.config.update	
policy.certificate.create	
mdm.queue.delete	

Field	Description
policy.device.registration.audit.read	
policy.user.interface.settings.delete	
policy.apn.to.ruleGroup.update	
policy.identity.certificate.dg.update	
policy.app.lock.delete	
policy.air.play.read	
policy.android.lockdown.create	
policy.webclip.read	
policy.email.read	
policy.identityCertificate.to.ruleGroup.update	
policy.mdm.audit.read	
policy.android.kiosk.create	
policy.opaque.ios.delete	
device.stop.mirroring	
device.delete	
policy.device.registration.read	
policy.org.info.setting.update	
policy.appconnect.zone.config.delete	
policy.android.kiosk.to.ruleGroup.update	
policy.email.delete	
policy.apn.read	
policy.exchange.update	
policy.vpn.read	
policy.air.print.to.ruleGroup.update	
policy.font.delete	
policy.web.content.filter.to.ruleGroup.update	

Field	Description
policy.subscribedCalendar.read	
policy.telecom.settings.delete	
policy.apn.update	
policy.android.encryption.create	
policy.certificate.audit.read	
policy.web.content.filter.audit.read	
policy.provisioningProfile.create	
policy.jabber.audit.read	
policy.font.read	
policy.localCa.audit.read	
ca.create	
policy.exchange.delete	
policy.vpn.ondemand.update	
policy.application.access.audit.read	
policy.android.kiosk.delete	
policy.cellular.delete	
policy.localCa.to.ruleGroup.update	
policy.restrictions.read	
policy.cellular.update	
policy.jabber.update	
policy.email.to.ruleGroup.update	
policy.vpn.ondemand.read	
policy.org.info.setting.to.rule.group.update	
policy.device.registration.create	
policy.telecom.settings.update	
policy.appconnect.app.config.audit.read	

Field	Description
policy.vpn.per.app.read	
policy.vpn.per.app.update	
policy.scep.create	
policy.osx.restrictions.audit.read	
policy.caldav.create	
policy.app.lock.create	
policy.osx.restrictions.to.ruleGroup.update	
policy.sso.account.to.ruleGroup.update	
policy.app.lock.read	
policy.caldav.to.ruleGroup.update	
policy.certificate.store.create	
policy.appconnect.app.policy.delete	
policy.webclip.to.ruleGroup.update	
policy.email.update	
policy.apn.create	
device.retire	
policy.osx.restrictions.update	
policy.application.access.update	
policy.appconnect.app.policy.audit.read	
policy.webclip.create	
policy.ldap.audit.read	
policy.app.lock.update	
policy.sync.delete	
policy.identityCertificate.audit.read	
policy.vpn.per.app.delete	
policy.appconnect.zone.config.read	

Field	Description
policy.android.lockdown.audit.read	
policy.aim.to.ruleGroup.update	
policy.exchange.read	
ruleGroup.update	
policy.vpn.ondemand.audit.read	
policy.carddav.create	
policy.restrictions.delete	
policy.vpn.to.ruleGroup.update	
policy.vpn.create	
policy.user.interface.settings.update	
policy.web.content.filter.create	
policy.appconnect.app.config.read	
app.inventory.read	
device.push.profile	
policy.jabber.to.ruleGroup.update	
policy.aim.update	
policy.sync.audit.read	
policy.device.registration.to.ruleGroup.update	
policy.scep.read	
policy.osx.restrictions.read	
policy.certificate.store.read	
policy.org.info.setting.read	
&# 160; policy.appconnect.app.policy.to.ruleGroup.update	
device.send.message	
policy.android.lockdown.read	
policy.vpn.per.app.audit.read	

Field	Description
policy.android.encryption.to.ruleGroup.update	
policy.jabber.read	
policy.identityCertificate.read	
policy.sync.update	
policy.vpn.audit.read	
policy.policy.delete	
policy.sharepoint.create	
policy.user.interface.settings.read	
policy.general.ios.read	
policy.sharepoint.delete	
policy.vpn.delete	
ca.delete	
policy.ldap.update	
policy.sharepoint.update	
policy.sync.to.ruleGroup.update	
policy.osx.restrictions.create	
policy.scep.update	
policy.web.content.filter.delete	
policy.android.lockdown.to.ruleGroup.update	
policy.policy.create	
policy.scep.delete	
policy.font.create	
policy.cellular.audit.read	
policy.certificate.store.delete	
policy.app.lock.audit.read	
policy.general.ios.audit.read	

Field	Description
ruleGroup.read	
policy.font.to.ruleGroup.update	
policy.appconnect.zone.config.to.ruleGroup.update	
policy.general.ios.update	
policy.passcode.to.ruleGroup.update	
policy.org.info.setting.audit.read	
policy.sync.create	
policy.email.create	
policy.android.encryption.read	
policy.carddav.read	
policy.provisioningProfile.delete	
ca.read	
policy.wifi.to.ruleGroup.update	
policy.appconnect.app.config.create	
policy.identity.certificate.dg.read	
device.read	
policy.android.encryption.audit.read	
policy.certificate.store.update	
policy.android.encryption.update	
policy.restrictions.audit.read	
policy.identity.certificate.dg.delete	
policy.webclip.update	
device.force.checkin	
policy.restrictions.update	
policy.identityCertificate.delete	
policy.carddav.audit.read	

Field	Description
policy.application.access.create	
policy.sso.account.read	
policy.opaque.ios.to.ruleGroup.update	
policy.restrictions.to.ruleGroup.update	
policy.air.print.create	
ruleGroup.create	
policy.web.content.filter.read	
policy.appconnect.app.config.to.ruleGroup.update	
policy.passcode.create	
policy.webclip.delete	
policy.apn.delete	
policy.provisioningProfile.update	
policy.air.print.update	
policy.appconnect.app.policy.read	
device.wipe	
policy.vpn.ondemand.to.ruleGroup.update	
policy.ldap.delete	
policy.passcode.update	
policy.localCa.create	
policy.exchange.to.ruleGroup.update	
policy.exchange.create	
policy.global.proxy.delete	
policy.air.play.to.ruleGroup.update	
policy.org.info.setting.delete	
policy.android.kiosk.audit.read	
policy.cellular.to.ruleGroup.update	

Field	Description
policy.sharepoint.read	
policy.user.interface.settings.audit.read	
policy.wifi.update	
policy.telecom.settings.read	
policy.apn.audit.read	
policy.scep.audit.read	
policy.global.proxy.audit.read	
ca.update	
policy.policy.to.ruleGroup.update	
policy.caldav.to.ruleGroup.update	
policy.mdm.read	
policy.certificate.delete	
policy.font.audit.read	
policy.device.registration.update	
policy.telecom.settings.to.ruleGroup.update	
policy.web.content.filter.update	
policy.jabber.create	
policy.provisioningProfile.to.ruleGroup.update	
policy.device.registration.delete	
policy.localCa.read	
device.create	
policy.caldav.read	
policy.application.access.to.ruleGroup.update	
policy.air.print.read	
policy.email.audit.read	
policy.wifi.delete	

Field	Description
policy.identityCertificate.update	
policy.global.proxy.to.ruleGroup.update	
policy.android.lockdown.delete	
policy.identityCertificate.create	
policy.appconnect.app.config.delete	
policy.localCa.update	
policy.identity.certificate.dg.create	
policy.wifi.audit.read	
policy.sync.read	
policy.certificate.read	
policy.air.play.create	
policy.carddav.update	
policy.opaque.ios.read	
policy.air.print.delete	
policy.caldav.audit.read	
policy.app.lock.to.ruleGroup.update	
policy.passcode.audit.read	
device.start.mirroring	
policy.caldav.delete	
policy.sso.account.delete	
device.unlock	
policy.caldav.update	
policy.global.proxy.update	
device.wipe.cancel	
policy.subscribedCalendar.to.ruleGroup.update	
policy.general.ios.to.ruleGroup.update	

Field	Description
policy.cellular.read	
policy.appconnect.zone.config.audit.read	
policy.read	
policy.vpn.per.app.to.ruleGroup.update	
policy.sharepoint.to.ruleGroup.update	
policy.ldap.to.ruleGroup.update	
policy.policy.read	
policy.carddav.delete	
policy.webclip.audit.read	
policy.sso.account.audit.read	
policy.mdm.delete	
policy.opaque.ios.update	
policy.localCa.delete	
policy.general.ios.delete	
policy.restrictions.create	
policy.global.proxy.read	
policy.user.interface.settings.create	
policy.identity.certificate.dg.audit.read	
policy.subscribedCalendar.audit.read	
policy.air.play.delete	
policy.application.access.read	
policy.air.play.update	
policy.appconnect.zone.config.create	
policy.exchange.audit.read	
policy.user.interface.settings.to.ruleGroup.update	
policy.mdm.update	

Field	Description
device.lock	
policy.policy.update	
device.update	
policy.aim.create	
policy.policy.audit.read	
policy.sso.account.create	
ruleGroup.delete	
policy.telecom.settings.create	
policy.vpn.update	
policy.ldap.create	
policy.android.lockdown.update	
policy.certificate.update	
device.locate	
policy.mdm.to.ruleGroup.update	
policy.global.proxy.create	
policy.sharepoint.audit.read	
policy.org.info.setting.create	
policy.ldap.read	
policy.osx.restrictions.delete	
policy.subscribedCalendar.delete	
policy.passcode.read	
policy.provisioningProfile.audit.read	
policy.provisioningProfile.read	
policy.vpn.ondemand.create	
policy.certificate.to.ruleGroup.update	
policy.android.kiosk.read	

Field	Description
policy.vpn.ondemand.delete	
policy.aim.delete	
policy.android.kiosk.update	
policy.vpn.per.app.create	
policy.appconnect.app.config.update	
mdm.queue.read	
device.retire.cancel	
policy.air.print.audit.read	
policy.application.access.delete	
policy.appconnect.app.policy.create	
policy.android.encryption.delete	
policy.wifi.create	
policy.appconnect.app.policy.update	
policy.mdm.create	
policy.air.play.audit.read	
policy.opaque.ios.audit.read	
policy.wifi.read	
policy.font.update	
policy.telecom.settings.audit.read	
policy.aim.read	
policy.general.ios.create	
cmPartitions	
20000	
name	
authorities	
vpp.order.delete	

Field	Description
vpp.code.read	
content.update	
content.delete	
app.distribution.read	
app.distribution.update	
vpp.license.delete	
vpp.license.sync	
vpp.license.update	
app.read	
vpp.profile.read	
vpp.profile.create	
audit.app.read	
app.review.update	
app.review.delete	
app.update	
vpp.license.read	
app.review.read	
audit.content.read	
content.read	
vpp.code.update	
app.delete	
vpp.order.read	
content.distribution.update	
vpp.order.update	
content.create	
vpp.order.create	

Field	Description
content.distribution.read	
app.rating.update	
app.rating.read	
app.create"	
groupIdAllUsers	
allDevicesRuleGroupId	
preferences	
reportDefinitions	
reportName	
dimName	
dimKeys	
dim2Name	
dim2Keys	
rangeStart	
rangeEnd	
chartUuid	
chartName	
chartType	
chartSubType	
chartTimeRangeMillis	
reportName	
dimName	
dimKeys	
dim2Name	
dim2Keys	
rangeStart	

Field	Description
rangeEnd	
chartUuid	
chartName	
chartType	
chartSubType	
chartTimeRangeMillis	
reportName	
dimName	
dimKeys	
dim2Name	
dim2Keys	
rangeStart	
rangeEnd	
chartUuid	
chartName	
chartType	
chartSubType	
chartTimeRangeMillis	
userTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	

Field	Description
show	
name	
show	
deviceTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
appTableColumnDefinition	
name	
show	
name	

Field	Description
applInventoryTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
userGroupTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	

Field	Description
deviceGroupTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
contentTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
policyTableColumnDefinition	
name	
show	
name	

Field	Description
show	
name	
show	
name	
show	
name	
show	
appReviewTableColumnDefinition	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
name	
show	
uiDefaultDmPartitionId	
uiDefaultCmPartitionId	

Example Response

```
{
  "errors": null,
  "result": {
    "accountId": 10001,
    "displayName": null,
    "lastName": "LastName0001",
    "firstName": "FirstName0001",
    "emailAddress": "miadmin@auto0001.mobileiron.com",
    "defaultCmPartitionId": 20000,
    "defaultDmPartitionId": 23000,
    "globalAuthorities": [
      "accountRole.to.group.update",
      "kocab.update",
      "contentstore.preview",
      "ldap.authenticate.user",
      "app.store.settings.update",
      "configurator.authtoken.read",
      "account.invite.admin",
      "accountGroup.delete",
      "ldap.server.sync",
      "sfdc.oauth.profile.update",
      "account.permission.tenant.read",
      "accountRole.delete",
      "accountGroup.create",
      "mizar.delete",
      "account.read",
      "account.password.reset",
      "partition.device.delete",
      "app.category.delete",
      "account.delete",
      "partition.device.update",
      "message.delete",
      "whitelabel.resource.tenant.read",
      "account.invite.enduser",
      "kocab.delete",
      "message.read",
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    {
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```

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]
```

```
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  ],
  "uiDefaultDmPartitionId": 23000,
  "uiDefaultCmPartitionId": 20000
}
}
```

Apply a Custom Attribute to a User

This applies a custom attribute to a single user.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PATCH

Request URI

/api/v1/account/id/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	ID of the user to which you would like to assign a custom attribute.	739375
attrs	Request Body	Container for the custom attributes to apply	{ "attrs": {"testUserAttribute": ["forDocs"]}}

Example Request

cURL

```
curl --location --request PATCH 'https://Ivanti Neurons for MDM
host/api/v1/account/739375/customattributes' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Accept-Language: en,en-US;q=0.9,pt-BR;q=0.8,pt;q=0.7,fr;q=0.6' \
--header 'Content-Type: application/json;charset=UTF-8' \
--header 'Authorization: Basic <token>' \
--data-raw '{"attrs":{"testUserAttribute":["forDocs"]}]'
```

HTTP

```
PATCH /api/v1/account/739375/customattributes HTTP/1.1
Host: your Ivanti Neurons for MDM host in the form of, for example, sandbox.ivanti.com
Accept: application/json, text/plain, */*
Accept-Language: en,en-US;q=0.9,pt-BR;q=0.8,pt;q=0.7,fr;q=0.6
Content-Type: application/json;charset=UTF-8
Authorization: Basic <token>
Content-Length: 43

{"attrs":{"testUserAttribute":["forDocs"]}}
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Search for a User by User ID (UID)

This call searches for a user by the user's user ID (UID).

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/account?fq=UID%3DUID

Request Parameters

Parameter	Argument Type	Description	Example Value
fq=UID%3DUID	Query Path	The query searching for thje user by the user ID. %3D is = url encoded. UID is the user ID to search for.	fq=UID%3DJoe@mobileiron.com

Example Request

https://[Ivanti Neurons for MDM]/api/v1/account?fq=UID%3Djdoe@mobileiron.com

Response Fields

Field	Description
errors	
result	
totalCount	
queryTime	
searchResults	
id	
createdAt	
displayName	
firstName	
lastName	
uid	
emailAddress	
accountSource	
inviteState	
inviteResendCount	
accountType	
enabled	
locked	
superUser	
termsAccepted	
mutable	Can be modified by default.
loginFailureCount	
loginSuccessAt	
passwordHistory	
registrationPin	
createdAt	

Field	Description
expiresAt	
used	
groups	
All Users"	
Engineering"	
deviceCount	
offset	
facetedResults	
ACCOUNTSOURCE	
ACCOUNTGROUP	
INVITESTATE	
Expired	
Completed	
None	
Pending	
totalUnfilteredResultCount	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "queryTime": 3,
    "searchResults": [
      {
        "id": 10022,
        "createdAt": 1372188681178,
        "displayName": "John Doe",
        "firstName": "John",
        "lastName": "Doe",
        "uid": "jDoe@mobileiron.com",
```

```
"emailAddress": "jDoe@mobileiron.com",
"accountSource": "LOCAL",
"inviteState": "Completed",
"inviteResendCount": 0,
"accountType": "USER",
"enabled": true,
"locked": false,
"superUser": false,
"termsAccepted": false,
"mutable": true,
"loginFailureCount": 0,
"loginSuccessAt": 1416614208360,
"passwordHistory": "{}",
"registrationPin": {
  "createdAt": null,
  "expiresAt": null,
  "used": false
},
"groups": [
  "All Users",
  "Engineering"
],
"deviceCount": 0
}
],
"offset": 0,
"facetedResults": {
  "ACCOUNTSOURCE": {
    "LDAP": 0,
    "LOCAL": 1,
    "SALESFORCE": 0
  },
  "TERMSACCEPTED": {
    "false": 0,
    "true": 1
  },
  "ACCOUNTGROUP": {
    "Professional Services": 0,
    "Sales": 0,
    "xteam": 0,
    "EMEA-ISR": 0,
```

```
"UG2": 0,
"Anyware-Validate": 0,
"Demo Group": 0,
"Russ": 0,
"sbhasin": 0,
"UX Team": 0,
"Newell North America": 0,
"洋一テストユーザーグループ": 0,
"Customer Success": 0,
"IT Test Group": 0,
"Engineering": 1,
"Business Development": 0,
"Newell Georgia": 0,
"Marketing": 0,
"EMEA-Partner-Helpdesk": 0,
"all-productmanagers": 0,
"UX": 0,
"Newell": 0,
"RichardLi": 0,
"SE": 0,
"QA": 0,
"SAFE - Native Samsung Users": 0,
"Roupen Group": 0,
"IT": 0,
"Anyware-Validate2": 0,
"System Administrators": 0,
"Supervised Devices": 0,
"Vinay Parihar": 0,
"Tyson Wheeler - Android": 0,
"UG1": 0,
"RamseyNJesse": 0,
"Default Group": 0,
"All Users": 1,
"Sales Ops": 0,
"CN": 0,
"Japan": 0,
"Mirko": 0
},
"INVITESTATE": {
  "Expired": 0,
  "Completed": 1,
```

```
        "None": 0,  
        "Pending": 0  
      }  
    },  
    "totalUnfilteredResultCount": 261  
  }  
}
```

Configuring User Device Registration Settings

This call controls if the user should be prompted for a password, password and PIN, or PIN only when registering a device. You need to set this to PIN to enable the following call, [Generate User Registration PIN](#), to be successful.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v1/userpolicy

Request Parameters

Parameter	Argument Type	Description	Example Value
policyType	Query string		REGISTRATION_AUTH
deletable	Request body		false
description	Request body		Pin Only
distributionMutable	Request body		false
enabled	Request body		true
name	Request body		Device Registration Authentication Type
pinLength	Request body		4
pinLifetimeMillis	Request body		604800000
pinResetByUser	Request body		true
pinType	Request body		NUMERIC
policyDataMutable	Request body		true
priority	Request body		2147483647
priorityMutable	Request body		false
registrationAuthMode	Request body		PIN
systemName	Request body		registrationAuthUserPolicy
uuid	Request body	Read-only	e2f22cfe-2757-4256-b46e-a3011cdf6080

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/userpolicy?policyType=REGISTRATION_AUTH

Example Request Body - Parsed

```
deletable: false
description: "PIN Only Setting"
distributionMutable: false
enabled: true
id: 50582
name: "Device Registration Authentication Type"
pinLength: 4
pinLifetimeMillis: 604800000
pinResetByUser: true
pinType: "NUMERIC"
policyDataMutable: true
policyType: "REGISTRATION_AUTH"
priority: 2147483647
priorityMutable: false
registrationAuthMode: "PIN"
systemName: "registrationAuthUserPolicy"
uuid: "65ca6590-b1a7-46d5-afcc-469c0f71526b"
```

Example Request Body - Source

```
{"systemName":"registrationAuthUserPolicy","name":"Device Registration Authentication
Type","description":"PIN Only Setting","policyType":"REGISTRATION_
AUTH","priority":2147483647,"enabled":true,"policyDataMutable":true,
"distributionMutable":false,"priorityMutable":false,"deletable":false,"registrationAuthM
ode":"PIN",
"pinType":"NUMERIC","pinLength":4,"pinLifetimeMillis":604800000,"pinResetByUser":true}
```

Example CURL

```
curl "https://[Ivanti Neurons for MDM]/api/v1/userpolicy?policyType=REGISTRATION_AUTH" -
X PUT --data-binary "
{"id":50582,"createdAt":1395521907150,"createdBy":1,"modifiedAt":1395521907150,"
modifiedBy":null,"uuid":"65ca6590-b1a7-46d5-afcc-
469c0f71526b","systemName":"registrationAuthUserPolicy","name":"Device
Registration Authentication Type","description":"PIN Only
Setting","policyType":"REGISTRATION_
AUTH","priority":2147483647,"enabled":true,"policyDataMutable":true,"distributio
nMutable":false,"
"priorityMutable":false,"deletable":false,"registrationAuthMode":"PIN","pinType"
:"NUMERIC","pinLength":4,"pinLifetimeMillis":604800000,"
"pinResetByUser":true}"
```

Response Fields

Field	Description
errors	Describes whether there was an error
result	Describes the result
importSuccessGroups	
importSuccessOus	
inviteSuccessUsers	
importFailUsers	
importFailGroups	
importFailOus	

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Generate User Registration PIN

This call generates a registration PIN for one or more accounts. You must use the [Configuring User Device Registration Settings](#) call to set the device registration type to PIN before using this call, or else the call will be unsuccessful. See [Understanding Device Registration Authentication Type](#) for more information.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/account/regpin

Request Parameters

Parameter	Argument Type	Description	Example Value
accountIds	Request body	Accounts for which to generate registration PINs	10004

Example Request

```
curl --location 'https://[Ivanti Neurons for MDM]/api/v1/account/regpin' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--form 'accountIds="38942135, 38942136"'
```

Response Fields

Field	Description
errors	
result	
id	ID of the account for which the call created the registration pin.
createdAt	When the PIN was created.
createdBy	Who created the PIN.
accountId	Account for which the PIN was created
pin	The PIN itself.
expiredAt	When did the PIN expire?
used	Was the PIN used?
ppkgPinStatus	

Example Response

```
{
  "errors": null,
  "result": [
    {
      "id": 796902,
      "createdAt": 1681160105155,
      "createdBy": 38942135,
      "accountId": 38942135,
      "pin": "8731",
      "expiresAt": 1681764905157,
      "used": false,
      "ppkgPinStatus": "NOT_GENERATED"
    },
    {
      "id": 796903,
      "createdAt": 1681160105181,
      "createdBy": 38942136,
      "accountId": 38942136,
      "pin": "4825",
      "expiresAt": 1681764905183,
      "used": false,
      "ppkgPinStatus": "NOT_GENERATED"
    }
  ]
}
```

Get Reports List

This API lists the summary of available reports.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/report/flex/job/summary

Request Parameters

Parameter	Argument Type	Description	Sample Value
start	Query	Start value. Default value is 0.	
rows	Query	Number of rows. Default value is 50.	

Example Request

Example Request URL

`https://<host>/api/v1/report/flex/job/summary?rows=50&start=0'`

Response Fields

Field	Description
name	Name of the report
description	Description of the report
manualRunInProgress	Indicates the manual execution of the unscheduled report
status	Status of the report – Enabled / Disabled
startDate	Start date of the report
nextRunDate	Next execution date of the scheduled report
reportJobRunStatus	Different statuses of the job execution report: <ul style="list-style-type: none"> • Scheduled • Unscheduled • Processing • Stopped
outputFormats	PDF or CSV format

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "name": "users",
        "description": "",
        "manualRunInProgress": false,
        "status": "ENABLED",
        "startDate": 1691756796125,
        "nextRunDate": 1691843196125,
        "outputFormats": [
          "CSV"
        ],
        "reportJobRunStatus": "SCHEDULED"
      }
    ],
    "totalCount": 1,
    "offset": 0,
    "limit": 50
  }
}
```

Download Latest Report

This API downloads the latest report.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/report/flex/job/output/latest/download

Example Request

Example Request URL

https://<host>/api/v1/report/flex/job/output/latest/download?reportName=Users-1&fileType=CSV

Request Parameters

Parameter	Argument Type	Description	Sample Value
reportName	Query	Name of the report	
fileType	Query	Download format – PDF or CSV	

Example Request

File downloaded.

Group API Calls

Create a User Group

This call creates a user group. User groups allow you to assign apps, content and roles to multiple users. For example, you might create a Managers group if you want all department managers to be administrators for apps and content.

You can easily create static account groups. You can also create dynamic account groups, but this requires expertise in ANTLR expression, therefore, creating dynamic account groups is much easier from the Ivanti Neurons for MDM user interface.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

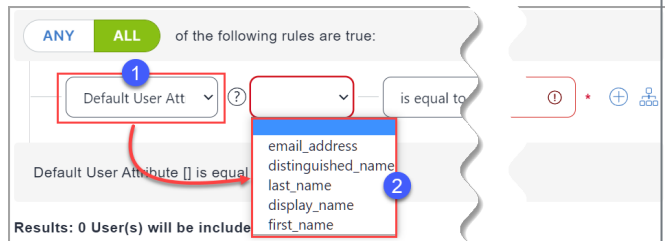
POST

Request URI

api/v1/group

Request Parameters

Parameter	Argument Type	Description	Example Value
name	Request body	Specify the name of the group.	
source	Request body	Valid value: LOCAL	LOCAL
membershipStatic	Request Body	Specifies to create a static account group. Values: true false If the membershipStatic parameter is not present, then the system expects the definition parameter described below, which creates a dynamic account group.	true
definition	Request body	Use only if you want to specify a dynamic account group. This requires an ANTLR expression. We recommend using the Ivanti Neurons for MDM user interface to create dynamic account groups, unless you are an expert in ANTLR expression. If you do use an ANTLR expression, only use the attribute and value pairs available in the user interface. Mixing and matching is unsupported and may result in an unstable system. Only use the values offered by Ivanti Neurons for MDM at position 2 of Users > User Groups > + Add that correspond with the attribute you choose at position 1 :	



Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/group

Example Request Body

name=ForDocs2

source=LOCAL

membershipStatic=true

Response Fields

Field	Description
errors	Errors returned by the call
result	
id	Internal ID for the user
createdBy	Who created the group.
modifiedBy	Who modified the group.
name	Name of the group.
source	Can be LOCAL. LDAP may be supported later.
mutable	Can be modified by default.
membershipStatic	

Example Response

```
{
  "errors": null,
  "result": {
    "id": 2168413,
    "createdBy": 12533,
    "modifiedBy": 12533,
```

```
    "name": "ForDocs2",  
    "source": "LOCAL",  
    "mutable": true,  
    "membershipStatic": true  
  }  
}
```

List User Groups

This call lists user groups.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/group

Example Request

```
curl 'https:// [Ivanti Neurons for MDM]/api/v1/group'
```

Response Fields

Field	Description
errors	
result	
searchResults	
id	
modifiedAt	
modifiedBy	
name	
description	
source	
mutable	Can be modified by default.
definition	
membershipStatic	
idpGroupDeleted	
applicationCount	
lastRefresh	
treeView	
operator	
rule	
field	
cfAttributeName	
operator	
values	
All Users"	
children	

Field	Description
totalCount	
offset	
limit	

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 11776,
        "modifiedAt": 1389288442684,
        "modifiedBy": 1,
        "name": "All Users",
        "description": "All Users",
        "source": "LOCAL",
        "mutable": true,
        "definition": "ACCOUNTGROUP EQ 'All Users'",
        "membershipStatic": true,
        "idpGroupDeleted": false,
        "applicationCount": 24,
        "lastRefresh": 1519943024892,
        "treeView": {
          "operator": "LEAF",
          "rule": {
            "field": "ACCOUNTGROUP",
            "cfAttributeName": null,
            "operator": "EQ",
            "values": [
              "All Users"
            ]
          }
        },
        "children": null
      }
    ],
    ...
  ],
  ...
}
```

```
    "totalCount": 16,  
    "offset": 0,  
    "limit": 20  
  }  
}
```

Check Delete Viability

This call determines whether a group can be deleted.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/v1/group?checkDeleteViability=true&ids=<ids>

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Path	Groups for which to check delete viability. Use comma separated list for multiple IDs. You can get the IDs using the List User Groups call.	4677669

Example Request

```
curl 'https://[Ivanti Neurons for  
MDM]/api/v1/group?checkDeleteViability=true&ids=4677669'
```

Example Response

```
{  
  "errors": null,  
}
```



```
"result": {
  "searchResults": [ ],
  "totalCount": 0,
  "offset": 0,
  "limit": 0
}
```

Delete Group

This call deletes a group. You can run the [Check Delete Viability](#) call first to check whether the delete call would be successful.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

api/v1/group?id=<id>

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	ID of group to delete. You can get the ID using the List User Groups call.	4677669

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/group?id=4677669' -X DELETE
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Assign User to Group, Method 1

This call associates a user to a group.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/account

Request Parameters

Parameter	Argument Type	Description	Example Value
accountIds	Path	Accounts to assign to the group.	102000
groupIds	Path	Groups to which to assign the users.	11124,11125
append	Path	Boolean, TRUE or FALSE, specifies whether to assign the given accounts to the given groups, or to replace the current group memberships of the given accounts with the new given groups.	TRUE

Example Request

```
https://[Ivanti Neurons for  
MDM]/api/v1/account?accountIds=10200&groupIds=11124,11125&append=true
```

Example Response

```
{  
  "errors":null,  
  "result":true  
}
```

Assign User to Group, Method 2

This call assigns a user(s) to a group.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/group/{id}/accounts

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	ID of the group	11003
	Path		
	Path		
accountIds	Request body	Accounts to assign to the group.	10004
append	Request body	Boolean, TRUE or FALSE, specifies whether to assign the group members to the group or to replace the group members with the new members	TRUE
	Request body		

Example Request

Example Request URL

`https://cluster057.auto.acme.com/api/v1/group/11003/accounts`

Example Request Body

`accountIds=10004`

`append=TRUE`

Example Response

```
{
  "errors":null,
  "result":true
}
```

Create a Device Group

This call creates a device rule group.

Authentication

This call requires tenant admin credentials.


HTTP Method

POST

Request URI

/api/v1/rule_group

Request Parameters

Parameter	Argument Type	Description	Example Value
name	Request body	Rule group name	All Devices
type	Request body	Value is DEVICE	DEVICE
dmPartitionId	Request body	Device space ID. You can get this using the GET Tenant call	23003
description	Request body	Describes the new group	Test+for+docs
definition	Request body	<p>The rule group criteria.</p> <hr/> <p> You must add <code>_#</code> to the attribute name if creating a device group using numerical custom device attributes.</p> <hr/>	definition=PRETTYMODEL+EQ+'HTC+One+X'+

Example Request

Example Request URL

`http://[Ivanti Neurons for MDM]/api/v1/rule_group`

Example Request Body

```
name=TestForDocs
type=DEVICE
description=Test+for+docs
dmPartitionId=23003
definition=PRETTYMODEL+EQ+'HTC+One+X'+
```

Response Fields

200 OK

Example Response

```
{
  "errors": null,
  "result": {
    "id": 39340
    "createdAt": null,
    "createdBy": 10044,
    "modifiedAt": null,
    "modifiedBy": 10044,
    "name": "TestForDocs",
    "description": "Test group for docs",
    "type": "DEVICE",
    "definition": "PRETTYMODEL EQ 'iPad' ",
    "mutable": true,
    "memberCount": 0,
    "dmPartitionId": 23003,
    "treeView": {
      "operator": "LEAF",
      "rule": {
        "field": "PRETTYMODEL",
        "operator": "EQ",
        "values": [
          "iPad"
        ]
      },
      "children": null
    },
    "actionExceptionCodes": null,
```

```
    "assignedConfigs": null,  
    "assignedPolicies": null  
  }  
}
```

Get List of Device Groups

This call returns a list of all device groups. You can use the `assignedPoliciesAndConfigs` and `memberCount` parameters to reduce the size of the return.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

`/api/v1/rule_group?dmPartitionId=id&type=DEVICE`

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Query	dmPartitionId is the tenant's device space ID. You can get this with the GET /api/v1/metadata/tenant call.	23000
assignedPoliciesAndConfigs	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a list of the assigned policies and configurations, greatly reducing the size of the response.	assignedPoliciesAndConfigs=false
memberCount	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a count of the group members, reducing query time.	memberCount=false
type=DEVICE	Query	Directs the call to retrieve all device groups.	type=DEVICE

Example Requests

Get list of device groups with all available data

`https://[Ivanti Neurons for MDM]/api/v1/rule_group?dmPartitionId=23003&type=DEVICE`

Get list of device groups without assigned policies, configurations, and member counts

`https://[Ivanti Neurons for MDM]/api/v1/rule_group?dmPartitionId=23003&type=DEVICE&assignedPoliciesAndConfigs=false&memberCount=false`

Response Fields

Field	Description
errors	
result	
totalCount	
queryTime	
searchResults	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
dmPartitionId	
name	
description	
type	
definition	
mutable	Can be modified by default.
memberCount	Count not included if call issued with memberCount=false
systemName	
membershipStatic	
treeView	
actionExceptionCodes	
assignedConfigs	
id	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionId	Not included if call issued with assignedPoliciesAndConfigs=false.

Field	Description
name	Not included if call issued with assignedPoliciesAndConfigs=false.
systemName	Not included if call issued with assignedPoliciesAndConfigs=false.
description	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionDistributionType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyRuleType	Not included if call issued with assignedPoliciesAndConfigs=false.
uuid	Not included if call issued with assignedPoliciesAndConfigs=false.
enabled	Not included if call issued with assignedPoliciesAndConfigs=false.
priority	Not included if call issued with assignedPoliciesAndConfigs=false.
configurationMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
distributionMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
priorityMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
deletable	Not included if call issued with assignedPoliciesAndConfigs=false.
totalDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
installedDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.

Field	Description
violationDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
modifiedAt	Not included if call issued with assignedPoliciesAndConfigs=false.
modifiedBy	Not included if call issued with assignedPoliciesAndConfigs=false.
actions	Not included if call issued with assignedPoliciesAndConfigs=false.
systemDefault	Not included if call issued with assignedPoliciesAndConfigs=false.
assignedPolicies	
id	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionId	Not included if call issued with assignedPoliciesAndConfigs=false.
name	Not included if call issued with assignedPoliciesAndConfigs=false.
systemName	Not included if call issued with assignedPoliciesAndConfigs=false.
description	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionDistributionType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyRuleType	Not included if call issued with assignedPoliciesAndConfigs=false.
uuid	Not included if call issued with assignedPoliciesAndConfigs=false.

Field	Description
enabled	Not included if call issued with assignedPoliciesAndConfigs=false.
priority	Not included if call issued with assignedPoliciesAndConfigs=false.
configurationMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
distributionMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
priorityMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
deletable	Not included if call issued with assignedPoliciesAndConfigs=false.
totalDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
installedDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
violationDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
modifiedAt	Not included if call issued with assignedPoliciesAndConfigs=false.
modifiedBy	Not included if call issued with assignedPoliciesAndConfigs=false.
actions	Not included if call issued with assignedPoliciesAndConfigs=false.
systemDefault	Not included if call issued with assignedPoliciesAndConfigs=false.
staticMembers	
offset	
limit	

Example Responses

Get list of device groups with all available data

```
{
  "errors": null,
  "result": {
    "totalCount": 43,
    "queryTime": 0,
    "searchResults": [
      {
        "id": 38009,
        "createdAt": null,
        "createdBy": null,
        "modifiedAt": null,
        "modifiedBy": null,
        "dmPartitionId": 23003,
        "name": "All Devices",
        "description": "Targets any type of device.",
        "type": "DEVICE",
        "definition": null,
        "mutable": false,
        "memberCount": 510,
        "systemName": "ALL_DEVICES",
        "membershipStatic": false,
        "treeView": null,
        "actionExceptionCodes": null,
        "assignedConfigs": [
          {
            "id": null,
            "dmPartitionId": null,
            "name": "Privacy",
            "systemName": null,
            "description": null,
            "dmPartitionDistributionType": null,
            "policyType": "PRIVACY",
            "policyRuleType": "NONE",
            "uuid": null,
            "enabled": false,
            "priority": null,
            "configurationMutable": false,
          }
        ]
      }
    ]
  }
}
```

```
        "distributionMutable": false,
        "priorityMutable": false,
        "deletable": false,
        "totalDeviceCount": 0,
        "installedDeviceCount": 0,
        "violationDeviceCount": 0,
        "modifiedAt": null,
        "modifiedBy": null,
        "actions": null,
        "systemDefault": false
    },
    ...
],
"assignedPolicies": [
    {
        "id": null,
        "dmPartitionId": null,
        "name": "Out of Contact ",
        "systemName": null,
        "description": null,
        "dmPartitionDistributionType": null,
        "policyType": "POLICY",
        "policyRuleType": "OUT_OF_CONTACT",
        "uuid": null,
        "enabled": false,
        "priority": null,
        "configurationMutable": false,
        "distributionMutable": false,
        "priorityMutable": false,
        "deletable": false,
        "totalDeviceCount": 0,
        "installedDeviceCount": 0,
        "violationDeviceCount": 0,
        "modifiedAt": null,
        "modifiedBy": null,
        "actions": null,
        "systemDefault": false
    },
    ...
],
"staticMembers": null
```



```

        },
        {
...
        ],
        "offset": 0,
        "limit": 50
    }
}

```

Get list of device groups without assigned policies, configurations, and member counts

```

{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 40165,
        "createdAt": null,
        "createdBy": null,
        "modifiedAt": null,
        "modifiedBy": null,
        "visible": true,
        "dmPartitionId": 23504,
        "name": "All Devices",
        "description": "Targets any type of device.",
        "type": "DEVICE",
        "definition": null,
        "mutable": false,
        "memberCount": 0,
        "systemName": "ALL_DEVICES",
        "membershipStatic": false,
        "dmPartitionName": "Default Space",
        "treeView": null,
        "actionExceptionCodes": null,
        "assignedConfigs": null,
        "assignedPolicies": null,
        "applicationCount": 0,
        "staticMembers": []
      },
      ...
    ],
    "totalCount": 96,
    "offset": 0,
    "limit": 50
  }
}

```

Get General Information about a Device Group

This call returns a general information about a device group, for example, the query that is used to assemble the members of the device group. You can use the `assignedPoliciesAndConfigs` and `memberCount` parameters to reduce the size of the return. You can use this call to help construct the [Get Device Details by Device Group](#) call that gets all details about the devices in a device group. The return values in rule container (`field`, `cfAttributeName`, `operator`, and `values`) are the ones you use to help construct the [Get Device Details by Device Group](#) call.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

`/api/v1/rule_group/ruleGroupId?dmPartitionId=dmPartitionId&type=DEVICE`

Request Parameters

Parameter	Argument Type	Description	Example Value
ruleGroupId	Path	Device group id. You can get this with the GET /api/v1/rule_group?dmPartitionId=id&type=DEVICE call.	38010
dmPartitionId	Query	dmPartitionId is the tenant's device space ID. You can get this with the GET /api/v1/metadata/tenant call.	23003
assignedPoliciesAndConfigs	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a list of the assigned policies and configurations, greatly reducing the size of the response.	assignedPoliciesAndConfigs=false
memberCount	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a count of the group members, reducing query time.	memberCount=false
type=DEVICE	Query	Directs the call to retrieve all device groups.	type=DEVICE

Response Fields

Field	Decription
errors	
result	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
dmPartitionId	
name	
description	
type	
definition	
mutable	Can be modified by default.
memberCount	Count not included if call issued with memberCount=false.
systemName	
membershipStatic	
treeView	
operator	
rule	The values in this container (field, cfAttributeName, operator, and values) are the ones you use to construct the Get Device Details by Device Group call.
field	
cfAttributeName	
operator	
values	
children	
actionExceptionCodes	

Field	Description
assignedConfigs	Detail not included if call issued with assignedPoliciesAndConfigs=false.
assignedPolicies	Detail not included if call issued with assignedPoliciesAndConfigs=false.
staticMembers	

Example Requests

Get list of device groups with all available data

```
https://[Ivanti Neurons for MDM]/api/v1/rule_group/40165?type=DEVICE&dmPartitionId=23504
```

Get list of device groups without assigned policies, configurations, and member counts

```
https://[Ivanti Neurons for MDM]/api/v1/rule_group/40165?type=DEVICE&dmPartitionId=23504&assignedPoliciesAndConfigs=false&memberCount=false
```

Example Responses

Get list of device groups with all available data

```
{
  "errors": null,
  "result": {
    "id": 40165,
    "createdAt": null,
    "createdBy": null,
    "modifiedAt": null,
    "modifiedBy": null,
    "visible": true,
    "dmPartitionId": 23504,
    "name": "All Devices",
    "description": "Targets any type of device.",
    "type": "DEVICE",
    "definition": null,
    "mutable": false,
    "memberCount": 153,
    "systemName": "ALL_DEVICES",
    "membershipStatic": false,
    "dmPartitionName": "Default Space",
    "treeView": null,
    "actionExceptionCodes": null,
    "assignedConfigs": [
      {
```

```

        "id": 955365,
        "dmPartitionId": 23504,
        "name": "win_bridge_gpo",
        "systemName": null,
        "description": null,
        "dmPartitionDistributionType": "NONE",
        "policyType": "WINDOWS_GPO_ADMX",
        "policyRuleType": "NONE",
        "uuid": "17c0110b-6794-4051-9342-f8ea19cdb98a",
        "enabled": true,
        "priority": null,
        "cloneable": true,
        "configurationMutable": true,
        "distributionMutable": true,
        "priorityMutable": true,
        "deletable": true,
        "totalDeviceCount": 0,
        "installedDeviceCount": 0,
        "violationDeviceCount": 0,
        "modifiedAt": 1675942023874,
        "modifiedBy": {
            "id": 67076,
            "accountUid": "qa-0@sandbox.mobileiron.com",
            "displayName": "Admin-qa-0"
        },
        "actions": null,
        "cloneableAcrossSpace": false,
        "clonedFromDefaultSpace": false,
        "resourceSupport": {
            "links": []
        },
        ...
    ],
    "applicationCount": null,
    "staticMembers": []
}
}

```

Get list of device groups without assigned policies, configurations, and member counts

```

{
  "errors": null,
  "result": {
    "id": 40165,
    "createdAt": null,
    "createdBy": null,
    "modifiedAt": null,
    "modifiedBy": null,
    "visible": true,
    "dmPartitionId": 23504,
    "name": "All Devices",
    "description": "Targets any type of device.",

```

```
    "type": "DEVICE",
    "definition": null,
    "mutable": false,
    "memberCount": 0,
    "systemName": "ALL_DEVICES",
    "membershipStatic": false,
    "dmPartitionName": "Default Space",
    "treeView": null,
    "actionExceptionCodes": null,
    "assignedConfigs": null,
    "assignedPolicies": null,
    "applicationCount": null,
    "staticMembers": []
  }
}
```

Get Device Group by Name Across Partitions

This call returns a general information about a device group searched for by name across partitions. You can use the `assignedPoliciesAndConfigs` and `memberCount` parameters to reduce the size of the return.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

`/api/v1/rule_group/partitions?q=All Devices&type=DEVICE&fq=&dmPartitionIds=ids`

Request Parameters

Parameter	Argument Type	Description	Example Value
q	Query	Device group name. You can get this with the GET /api/v1/rule_group?dmPartitionId=id&type=DEVICE call.	All Devices
dmPartitionIds	Query	A comma separated list of partitions across which to search for the rule group. You can get partition IDs with the GET /api/v1/metadata/tenant call.	23504
assignedPoliciesAndConfigs	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a list of the assigned policies and configurations, greatly reducing the size of the response.	assignedPoliciesAndConfigs=false
memberCount	Query	Boolean, true or false. Default is true. Set to false to retrieve a response without a count of the group members, reducing query time.	memberCount=false
type=DEVICE	Query	Directs the call to retrieve all device groups.	type=DEVICE

Response Fields

Field	Description
errors	
result	
searchResults	

id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
visible	
dmPartitionId	
name	
description	
type	
definition	
mutable	
memberCount	Count not included if call issued with memberCount=false.
systemName	
membershipStatic	
dmPartitionName	
treeView	
actionExceptionCodes	
assignedConfigs	
id	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionId	Not included if call issued with assignedPoliciesAndConfigs=false.
name	Not included if call issued with assignedPoliciesAndConfigs=false.
systemName	Not included if call issued with

	assignedPoliciesAndConfigs=false.
description	Not included if call issued with assignedPoliciesAndConfigs=false.
dmPartitionDistributionType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyType	Not included if call issued with assignedPoliciesAndConfigs=false.
policyRuleType	Not included if call issued with assignedPoliciesAndConfigs=false.
uuid	Not included if call issued with assignedPoliciesAndConfigs=false.
enabled	Not included if call issued with assignedPoliciesAndConfigs=false.
priority	Not included if call issued with assignedPoliciesAndConfigs=false.
cloneable	Not included if call issued with assignedPoliciesAndConfigs=false.
configurationMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
distributionMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
priorityMutable	Not included if call issued with assignedPoliciesAndConfigs=false.
deletable	Not included if call issued with assignedPoliciesAndConfigs=false.
totalDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
installedDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.
violationDeviceCount	Not included if call issued with assignedPoliciesAndConfigs=false.

modifiedAt	Not included if call issued with assignedPoliciesAndConfigs=false.
modifiedBy	Not included if call issued with assignedPoliciesAndConfigs=false.
id	Not included if call issued with assignedPoliciesAndConfigs=false.
accountUid	Not included if call issued with assignedPoliciesAndConfigs=false.
displayName	Not included if call issued with assignedPoliciesAndConfigs=false.
actions	
cloneableAcrossSpace	
clonedFromDefaultSpace	
resourceSupport	
links	
status	
error	
systemDefault	
applicationCount	
staticMembers	
totalCount	
offset	
limit	

Example Requests

Get list of device groups with all available data

`https://[Ivanti Neurons for MDM]/api/v1/rule_group/partitions?q=All
Devices&type=DEVICE&fq=&dmPartitionIds=23504`

Get list of device groups without assigned policies, configurations, and member counts

```
https://[Ivanti Neurons for MDM]/api/v1/rule_group/partitions?q=All
Devices&type=DEVICE&fq=&dmPartitionIds=23504&assignedPoliciesAndConfigs=false&assignedPo
licies=false&memberCount=false
```

Example Responses

Get list of device groups with all available data

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 40165,
        "createdAt": null,
        "createdBy": null,
        "modifiedAt": null,
        "modifiedBy": null,
        "visible": true,
        "dmPartitionId": 23504,
        "name": "All Devices",
        "description": "Targets any type of device.",
        "type": "DEVICE",
        "definition": null,
        "mutable": false,
        "memberCount": 153,
        "systemName": "ALL_DEVICES",
        "membershipStatic": false,
        "dmPartitionName": "Default Space",
        "treeView": null,
        "actionExceptionCodes": null,
        "assignedConfigs": [
          {
            "id": 1108579,
            "dmPartitionId": 23504,
            "name": "Test Cert1",
            "systemName": null,
            "description": null,
            "dmPartitionDistributionType": "ALL",
            "policyType": "CERTIFICATE",
            "policyRuleType": "NONE",
            "uuid": "bdf2b679-c824-4276-97ce-31d04d99292d",
            "enabled": true,
            "priority": null,
            "cloneable": true,
            "configurationMutable": true,
            "distributionMutable": true,
            "priorityMutable": true,

```

```

        "deletable": true,
        "totalDeviceCount": 0,
        "installedDeviceCount": 0,
        "violationDeviceCount": 0,
        "modifiedAt": 1675943741940,
        "modifiedBy": {
            "id": 67076,
            "accountUid": "qa-0@sandbox.mobileiron.com",
            "displayName": "Admin-qa-0"
        },
        "actions": null,
        "cloneableAcrossSpace": true,
        "clonedFromDefaultSpace": false,
        "resourceSupport": {
            "links": []
        },
        "status": null,
        "error": null,
        "systemDefault": false
    },
    ...
],
"applicationCount": 0,
"staticMembers": []
}
},
"totalCount": 1,
"offset": 0,
"limit": 50
}
}

```

Get list of device groups without assigned policies, configurations, and member counts

```

{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 40165,
        "createdAt": null,
        "createdBy": null,
        "modifiedAt": null,
        "modifiedBy": null,
        "visible": true,
        "dmPartitionId": 23504,
        "name": "All Devices",
        "description": "Targets any type of device.",
        "type": "DEVICE",
        "definition": null,
        "mutable": false,
        "memberCount": 0,

```

```
        "systemName": "ALL_DEVICES",
        "membershipStatic": false,
        "dmPartitionName": "Default Space",
        "treeView": null,
        "actionExceptionCodes": null,
        "assignedConfigs": null,
        "assignedPolicies": null,
        "applicationCount": 0,
        "staticMembers": []
    }
},
"totalCount": 1,
"offset": 0,
"limit": 50
}
```

Get Device Details by Device Group

This call returns a list and details of all devices in a device group within the device space specified by the parameter `dmPartitionId`. A device group is also known as a rule group. You will need to issue [the call that describes the rules used to construct the parent device group](#) to construct this call.

Authentication

This call requires tenant admin credentials.


HTTP Method

GET

Request URI

`/api/v1/device?q=&rows=rows&start=start&dmPartitionId=dmPartitionId&fq=field+operator+fieldValue&sortFields[0].name=sortField&sortFields[0].order=sortFieldOrder`

Request Parameters

Parameter	Argument Type	Description	Example Value
rows	Query	Integer. How many rows to retrieve. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34 .	50
start	Query	Integer. Where in the record set to start displaying records.	0
dmPartitionId	Query	dmPartitionId is the tenant's device space ID. You can get this with the GET <code>/api/v1/metadata/tenant</code> call.	23003
fq	Query	The search query.  You must add <code>_#</code> to the attribute name if using numerical custom device attributes as part of the search criteria.	OSVERSION+EQ+%275.0%27
sortField	Query	The field on which to sort the results.	lastCheckin
sortFieldOrder	Query	How to sort the results, ascending or descending.	ASC

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=50&start=0&dmPartitionId=23003&fq=OSVERSION+EQ+%275.0%27&sortFields%5B0%5D.name=lastCheckin&sortFields%5B0%5D.order=ASC
```


Response Fields

Field	Description
errors	
result	
totalCount	
searchResults	
id	
mdmChannelId	Identifier of MDMchannel which is generated by Ivanti Neurons for MDM.
phoneNumber	
deviceModel	
deviceName	
platformType	
platformVersion	
osBuildVersion	
lastCheckin	
registrationState	
displayName	
firstName	
lastName	
uid	
emailAddress	
clientVersion	
manufacturer	
imei	
imsi	
locatorServiceEnabled	

Field	Description
meid	
wifiMacAddress	
serialNumber	
cellularTechnology	
currentCarrierNetwork	
subscriberCarrierNetwork	
locale	
ownershipType	
complianceState	
roaming	
supervised	
udid	
clientLastCheckin	
iccid	
currentMcc	
currentMnc	
subscriberMcc	
subscriberMnc	
prettyModel	
policyViolationCount	
latitude	
longitude	
locationLastCapturedAt	
lastRegistrationTime	

Field	Description
lostModeEnabled	
multiUser	
clientDeviceIdentifier	
quarantined	
jailbroken	
passcodeCompliant	True if the passcode is compliant with all the requirements on the device, including Exchange and other accounts. Applicable for iOS only (null for the other platforms).
passcodeCompliantWithProfiles	True if the passcode is compliant with EMM profiles. Applicable for iOS and Android only (null for other platforms).
blocked	
locationStatusDetail	
androidWorkContainerEnabled	
androidWorkUid	
fcmEnabled	
actionExceptionCodes	
violatedPolicies	
supportLockMessage	
ownerId	
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	
customAttributes	

Field	Description
easDeviceIdentifiers	
appEasIdentifiers	
androidDeviceOwnerModeEnabled	
windowsDeviceType	
secureAppsStatus	
secureAppsEncryptionStatus	
secureAppsEncryptionMode	
tpmSpecificationVersion	
bridgeVersion	
bridgeDeviceDataLastCapturedAt	
lastHotfixId	
lastHotfixInstalledOn	
offset	
limit	
queryTime	
facetedResults	
LAST_HOTFIX_ID	
SUBSCRIBERCARRIERNETWORK	
UNKNOWN	
COMPLIANCESTATE	
false	
true	
SUPERVISED	
false	

Field	Description
SECUREAPPSSTATUS	
ANDROIDDEVICEOWNERMODEENABLED	
false	
PRETTYMODEL	
ACCOUNTGROUP	
REGISTRATIONSTATE	
ACTIVE	
ACCOUNTENABLED	
MULTIUSER	
ANDROIDWORKENABLED	
OSBUILDVERSION	
KIOSKSTATE	
ANDROIDSECURITYPATCHLEVEL	
ROAMING	
LOSTMODEENABLED	
JAILBROKEN	
PLATFORMTYPE	
OWNERSHIPTYPE	
totalUnfilteredResultCount	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 2,
    "searchResults": [
      {
        "id": 1169944,
        "mdmChannelId": "adc04c0b-724a-49fd-a665-730ce6c88289",
        "phoneNumber": null,
        "deviceModel": "MacBookPro11,1",
        "deviceName": "Stuart's MacBook Pro",
        "platformType": "OSX",
        "platformVersion": "10.13.3",
        "osBuildVersion": "17D47",
        "lastCheckin": 1517353729653,
        "registrationState": "ACTIVE",
        "displayName": "Stuart Cordery",
        "firstName": "Stuart",
        "lastName": "Cordery",
        "uid": "scordery@mobileiron.com",
        "emailAddress": "scordery@mobileiron.com",
        "clientVersion": null,
        "manufacturer": "Apple Inc.",
        "imei": "",
        "imsi": null,
        "locatorServiceEnabled": false,
        "meid": null,
        "wifiMacAddress": "60:f8:1d:b1:ed:c8",
        "serialNumber": "C02NT2XDG3QK",
        "cellularTechnology": "device_p_cellular_technology",
        "currentCarrierNetwork": "UNKNOWN",
        "subscriberCarrierNetwork": "UNKNOWN",
        "locale": null,
        "ownershipType": "UNKNOWN",
        "complianceState": true,
        "roaming": false,
        "supervised": false,
        "udid": "6A13DA42-D60E-5B46-BBFC-D88846AAD3B0",
        "clientLastCheckin": null,
        "iccid": "",
        "currentMcc": null,
        "currentMnc": null,
        "subscriberMcc": null,
        "subscriberMnc": null,
        "prettyModel": "MacBookPro11,1",
        "policyViolationCount": 0,
        "latitude": null,
        "longitude": null,
        "locationLastCapturedAt": null,
        "lastRegistrationTime": 1517357240374,
        "lostModeEnabled": false,
        "multiUser": false,
        "clientDeviceIdentifier": null,
        "quarantined": false,
        "jailbroken": false,
        "passcodeCompliant": null,
      }
    ]
  }
}
```

```
"passcodeCompliantWithProfiles": null,
  "blocked": false,
  "locationStatusDetail": null,
  "androidWorkContainerEnabled": false,
  "androidWorkUid": null,
  "fcmEnabled": false,
  "actionExceptionCodes": [ ],
  "violatedPolicies": [ ],
  "supportLockMessage": false,
  "ownerId": 1110567,
  "legalOwnerId": null,
  "legalOwnerEmailAddress": null,
  "kioskState": "NOT_CONFIGURED",
  "customAttributes": null,
  "easDeviceIdentifiers": [ ],
  "appEasIdentifiers": null,
  "androidDeviceOwnerModeEnabled": false,
  "windowsDeviceType": null,
  "secureAppsStatus": null,
  "secureAppsEncryptionStatus": null,
  "secureAppsEncryptionMode": null,
  "tpmSpecificationVersion": null,
  "bridgeVersion": null,
  "bridgeDeviceDataLastCapturedAt": null,
  "lastHotfixId": null,
  "lastHotfixInstalledOn": null
},
{
  "id": 197483,
  "mdmChannelId": "3e85199d-1774-4032-9ec1-aebd08bfd442",
  "phoneNumber": "+447480308390",
  "deviceModel": "iPhone6,2",
  "deviceName": "iPhone",
  "platformType": "IOS",
  "platformVersion": "8.1.2",
  "osBuildVersion": "12B440",
  "lastCheckin": 1422649201021,
  "registrationState": "ACTIVE",
  "displayName": "Stuart Cordery",
  "firstName": "Stuart",
  "lastName": "Cordery",
  "uid": "scordery@mobileiron.com",
  "emailAddress": "scordery@mobileiron.com",
  "clientVersion": "2.9.0 (2.9.0.15)",
  "manufacturer": "Apple Inc.",
  "imei": "35 876105 566321 0",
  "imsi": null,
  "locatorServiceEnabled": false,
  "meid": null,
  "wifiMacAddress": "90:b9:31:73:5b:f6",
  "serialNumber": "F2LLMEE9FFG8",
  "cellularTechnology": "device__p_cellular_technology",
  "currentCarrierNetwork": "UNKNOWN",
  "subscriberCarrierNetwork": "Three",
  "locale": null,
  "ownershipType": "UNKNOWN",
  "complianceState": false,
  "roaming": true,
  "supervised": false,
  "udid": "f831a81049c541ad78b12e09db0849e06ad6dad",
  "clientLastCheckin": 1422640798139,
```



```
"iccid": "8944 2001 0071 0054 856",
"currentMcc": "310",
"currentMnc": "410",
"subscriberMcc": "234",
"subscriberMnc": "20",
"prettyModel": "iPhone 5S",
"policyViolationCount": 3,
"latitude": 33.651546,
"longitude": -117.99167,
"locationLastCapturedAt": 1422640798182,
"lastRegistrationTime": 1418162611699,
"lostModeEnabled": false,
"multiUser": false,
"clientDeviceIdentifier": "0B6DC679-A419-4288-951A-C3C470097C71",
"quarantined": false,
"jailbroken": false,
"passcodeCompliant": true,
"passcodeCompliantWithProfiles": true,
"blocked": false,
"locationStatusDetail": {
  "lastUpdatedAt": 1422640798182,
  "locationStatus": "AVAILABLE"
},
"androidWorkContainerEnabled": false,
"androidWorkUid": null,
"fcmEnabled": false,
"actionExceptionCodes": [ ],
"violatedPolicies": [
  "International Roaming Devices",
  "MDM / Device Administration Disabled",
  "Out of Contact "
],
"supportLockMessage": true,
"ownerId": 1110567,
```

```
"legalOwnerId": null,
  "legalOwnerEmailAddress": null,
  "kioskState": "NOT_CONFIGURED",
  "customAttributes": null,
  "easDeviceIdentifiers": [
    "ApplF2LLMEE9FFG8"
  ],
  "appEasIdentifiers": null,
  "androidDeviceOwnerModeEnabled": false,
  "windowsDeviceType": null,
  "secureAppsStatus": null,
  "secureAppsEncryptionStatus": null,
  "secureAppsEncryptionMode": null,
  "tpmSpecificationVersion": null,
  "bridgeVersion": null,
  "bridgeDeviceDataLastCapturedAt": null,
  "lastHotfixId": null,
  "lastHotfixInstalledOn": null
}
],
"offset": 0,
"limit": 50,
"queryTime": 1,
"facetedResults": {
  "LAST_HOTFIX_ID": { },
  "SUBSCRIBERCARRIERNETWORK": {
    "UNKNOWN": 1,
    "Three": 1
  },
  "COMPLIANCESTATE": {
    "false": 1,
    "true": 1
  },
  "SUPERVISED": {
    "false": 2
  },
  "SECUREAPPSSTATUS": { },
  "ANDROIDDEVICEOWNERMODEENABLED": {
    "false": 2
  },
  "PRETTYMODEL": {
    "iPhone 5S": 1,
    "MacBookPro11,1": 1
  },
  "ACCOUNTGROUP": {
    "All Users": 2
  },
  "REGISTRATIONSTATE": {
    "ACTIVE": 2
  },
  "ACCOUNTENABLED": {
    "true": 2
  },
  "MULTIUSER": {
    "false": 2
  },
  "ANDROIDWORKENABLED": {
    "false": 2
  },
  "OSBUILDVERSION": {
    "12B440": 1,
```

```
    "17D47": 1
  },
  "KIOSKSTATE": {
    "NOT_CONFIGURED": 2
  },
  "ANDROIDSECURITYPATCHLEVEL": { },
  "ROAMING": {
    "false": 1,
    "true": 1
  },
  "LOSTMODEENABLED": {
    "false": 2
  },
  "JAILBROKEN": {
    "false": 2
  },
  "PLATFORMTYPE": {
    "OSX": 1,
    "IOS": 1
  },
  "OWNERSHIPTYPE": {
    "UNKNOWN": 2
  }
},
"totalUnfilteredResultCount": 0
}
}
```

Add or Remove a Device to or from a Device Group

This call adds or removes a device to or from a device group. To add a device, include its deviceId in the call. To remove a device, exclude its deviceId from the call.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/rule_group/deviceGroupId/devices

Request Parameters

Parameter	Argument Type	Description	Example Value
deviceGroupId	Query Path	ID of the device group.	47803
deviceIds	Request Body	IDs of the devices to add to the group. Exclude the ID to remove the corresponding device from the group.	"{"deviceIds":["337552"]}"

Example Request

Add a Device to a Device Group

```
curl "https://[Ivanti Neurons for MDM]/api/v1/rule_group/47808/devices" --data-binary "{ \"deviceIds\": [\"337552\"] }"
```

Remove a Device from a Device Group

```
curl "https://[Ivanti Neurons for MDM] /api/v1/rule_group/47808/devices" --data-binary "{ \"deviceIds\": [] }"
```

Device API Calls

Assign a Device to a User

This call assigns a device to a user. This call is supported on supervised iOS devices and on the Android Enterprise devices with secure re-assignment which clears app data of the previous user. Secure re-assignment on Android devices requires SUEM-Premium feature.

Device reassignment is a time-consuming (asynchronous) API between the server and the device. Once reassignment is initiated from UI, the server sends reassignment data to the device and marks the "Last Reassignment Status" field as "INITIATED" in the device details screen. Based on the device's response to the server, "Last Reassignment Status" is updated as "SUCCESS" or "FAILED" in UI.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v1/device/updateAccount

Request Parameters

Parameter	Argument Type	Description	Example Value
accountId	Request body	ID of the account to which to assign the device.	10542407
deviceIds	Request body	IDs of the devices to assign to the user.	73542

Example Request

```
curl --location --request PUT 'https://[Ivanti Neurons for MDM]]/api/v1/device/updateAccount' \ --header 'Accept: application/json, text/plain, */*' \ --data-urlencode 'accountId=10542407' \ --data-urlencode 'deviceIds=73542'
```

Response Fields

Field	Description
errors	Errors returned by the call
result	List of devices that were not eligible for reassignment, and hence rejected. Empty list, if all the devices have been initiated reassignment.

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [],
    "totalCount": 0,
    "offset": 0,
    "limit": 0
  }
}
```

Get Custom Attributes Per Device

This API returns a list of custom attributes for the target device. You can use the device ID or GUID to identify the target device.

Authentication

Device Management or Device Read Only.

HTTP Method

GET

Request URI

/api/v1/device/{id}/{guid}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The device ID	22000
guid	Path	The device GUID	57d9903c-aadf-4b40-aef3-e1f24302f180

Example Requests

```
curl GET -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/22000/customattributes"
```

```
curl GET -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/57d9903c-aadf-4b40-aef3-e1f24302f180/customattributes"
```

Example Response

```
{
  "attrs" :
  {
    "cityId" : "SF",
    "carrier" : "att"
  }
}
```

Add/Replace Custom Attributes Per Device

You can use this API call to assign a custom attribute, for example, `cityId`, to the device. You could then use this custom attribute to create a device group for all devices with that `cityId`. You can use the device ID or GUID to identify the target device. The call posts a request body consisting of a JSON payload containing a map of string attributes.

The POST method completely replaces the attributes on the device with the call's payload, deleting any existing attribute on the device not defined in the payload.

Authentication

Device Management.


HTTP Method

POST to replace all values with the call's payload.

Request URI

/api/v1/device/{id}/{guid}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The device ID	22000
guid	Path	The device GUID	8bcc4cee-dca9-476d-8710-9bb1e738ade9
attrs	Request body	<p>The attributes to assign to the device as JSON:</p> <pre>{ "attrs": { "key-1": ["value-1"] } }</pre> <hr/> <p> You must add <code>_#</code> to the attribute name while adding/replacing the value for numerical custom device attributes.</p> <hr/>	<pre>{ "attrs": { "cityid": ["SF"] } }</pre>

Example Request URLs

http://[Ivanti Neurons for MDM]/api/v1/device/22000/customattributes


```
curl -X POST -kv -u user:password -H 'Content-Type: application/json' -d '{"attrs": {"tlark": [ "1" ] } }' "https://[Ivanti Neurons for MDM]/api/v1/device/22000/customattributes"
```

```
curl -X POST -kv -u user:password -H 'Content-Type: application/json' -d '{"attrs": {"tlark": [ "1" ] } }' "https://[Ivanti Neurons for MDM]/api/v1/device/8bcc4cee-dca9-476d-8710-9bb1e738ade9/customattributes"
```

Example Request Body

```
{
  "attrs": {
    "cityid": [
      "SF"
    ]
  }
}
```

Patch custom attributes per device

You can use this API call to patch a custom attribute, for example, cityId, of the device. You can use the device ID or GUID to identify the target device. The call posts a request body consisting of a JSON payload containing a map of string attributes.

The PATCH method retains attributes not defined in its payload, updates existing custom attributes, and adds custom attributes to the device that do not exist.

Authentication

Device Management.


HTTP Method

PATCH to retain attributes not defined in the payload, update existing custom attributes, and add custom attributes to the device that do not exist.

Request URI

/api/v1/device/{id}/{guid}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The device ID	22000
guid	Path	The device GUID	8bcc4cee-dca9-476d-8710-9bb1e738ade9
attrs	Request body	<p>The attributes to assign to the device as JSON:</p> <pre>{ "attrs": { "key-1": ["value-1"] } }</pre> <hr/> <p> You must add <code>_#</code> to the attribute name while patching the value for numerical custom device attributes.</p>	<pre>{ "attrs": { "a": ["value_a_patched"] } }</pre>
forceOverwrite	Request body	Set to true or false. If true, then the api updates the existing custom attribute, or adds a new one. If false, then the API would append the value to the existing custom attribute or add a new entry if it does not exist.	<code>"forceOverwrite": true</code>

Example Requests

Given these existing attributes:

```
{
  "errors": null,
```

```

    "result": {
      "deviceId": 22000,
      "guid": "e77fc91f-445d-4797-b8f1-a412279952e1",
      "attrs": {
        "a": [
          "valuea"
        ],
        "b": [
          "valueb"
        ]
      }
    }
  }
}

```

Use this request to overwrite attribute **a** only:

```

curl --location --request PATCH 'https://[Ivanti Neurons for MDM]/api/v1/device/57d9903c-
aadf-4b40-aef3-elf24302f180/customattributes' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--header 'Content-Type: text/plain' \
--data-raw '{"attrs":{"a":["value_a_patched"]}, "forceOverwrite":true}'

```

Use this request to overwrite both attributes **a** and **b**:

```

curl --location --request PATCH 'https://[Ivanti Neurons for MDM]/api/v1/device/57d9903c-
aadf-4b40-aef3-elf24302f180/customattributes' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--header 'Content-Type: text/plain' \
--data-raw '{"attrs":{"a":["value_a_patched"], "b":["value_b_patched"]},
"forceOverwrite":true}'

```

Use this request to add new attribute **c**:

```

curl --location --request PATCH 'https://[Ivanti Neurons for MDM]/api/v1/device/57d9903c-
aadf-4b40-aef3-elf24302f180/customattributes' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--header 'Content-Type: text/plain' \
--data-raw '{"attrs":{"c":["value_c_added"]}, "forceOverwrite":true}'

```

Example Response

```

{
  "errors": null,
  "result": 1
}

```

Remove custom attributes per device - method 1

You can use this API call to remove selected custom attributes of the device. The call posts a request body as a JSON payload consisting of the device ID and a map of string attributes to remove.

Authentication

Device Management.

HTTP Method


DELETE

Request URI

/api/v1/device/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	The device IDs whose custom attributes to remove.	73542

Parameter	Argument Type	Description	Example Value
attrs	Request body	<p>The attributes to remove from the device as JSON:</p> <pre>{ "ids": ["73542"], "attrKeys": ["ForDocs001", "forDocs002"] }</pre> <hr/> <p> You must add <code>_#</code> to the attribute name while removing the numerical custom device attributes.</p> <hr/>	<pre>{ "ids": ["73542"], "attrKeys": ["ForDocs001", "forDocs002"] }</pre>

Example Requests

Example Request URLs

```
curl --location --request DELETE 'https://[Ivanti Neurons for MDM]/api/v1/device/customattributes' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--data-raw '{"ids":["73542"],"attrKeys":["ForDocs001","forDocs002"]}'
```

Example Request Body, Formatted

```
{
  "ids": [
    "73542"
  ],
  "attrKeys": [
    "ForDocs001",
    "forDocs002"
  ]
}
```

Example Response

```
{
  "errors": null,
}
```

```
    "result": 1  
  }
```

Remove custom attributes per device - method 2

You can use this API call to remove selected custom attributes of the device. The call posts a request body as a JSON payload consisting of the attributes to remove. This leaves in place the attributes not sent in the call.

Authentication

Device Management.

HTTP Method


DELETE

Request URI

/api/v1/device/{ID or GUID}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
ID or GUID	Request body	The device whose custom attributes to remove. Can be ID or GUID	d67f2d3b-4ea7-44c6-9fb7-5f4107184e34

Parameter	Argument Type	Description	Example Value
attrs	Request body	<p>The attributes to remove from the device as JSON:</p> <pre>{ "attrs": { "attribute1": ["1"] } }</pre> <hr/> <p> You must add <code>_#</code> to the attribute name while removing the numerical custom device attributes.</p>	<pre>{ "attrs": { "attribute1": ["1"] } }</pre>

Example Request

```
curl --location --request DELETE 'https://[Ivanti Neurons for MDM]/api/v1/device/d67f2d3b-4ea7-44c6-9fb7-5f4107184e34/customattributes' \
--header 'Content-Type: application/json' \
--header 'Authorization: Basic <token>' \
--data-raw '{ "attrs" : { "attribute1" : [ "1" ] } } '
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Get Device Details

This call gets the device details of a specific device. Details include, among other attributes, the device groups to which it belongs and last known location.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/device/deviceId

Request Parameters

Parameter	Argument Type	Description	Example Value
deviceId	Path	The ID of the device for which to get details. Can be the device ID or the GUID.	Device ID example: 92752 Device GUID example: ed6b6e18-892f-4059-b605-def424308c4d

Response Fields

Field	Description
errors	
result	
id	
guid	
mdmChannelId	Identifier of MDMchannel which is generated by Ivanti Neurons for MDM.
phoneNumber	
deviceModel	
deviceName	
platformType	
platformVersion	
osBuildVersion	
lastCheckin	Last client checkin.
registrationState	
displayName	
firstName	
lastName	
uid	
emailAddress	
clientVersion	
manufacturer	
imei	
imei2	
imsi	
locatorServiceEnabled	
meid	

Field	Description
wifiMacAddress	
serialNumber	
altSerialNumber	
cellularTechnology	
currentCarrierNetwork	
subscriberCarrierNetwork	
locale	
ownershipType	
complianceState	
roaming	
supervised	
udid	
clientLastCheckin	
iccid	
currentMcc	
currentMnc	
subscriberMcc	
subscriberMnc	
prettyModel	
policyViolationCount	
latitude	Available if location services turned on by owner.
longitude	Available if location services turned on by owner.
locationLastCapturedAt	
lastRegistrationTime	
lostModeEnabled	
multiUser	

Field	Description
clientDeviceIdentifier	
availableCapacity	
totalCapacity	
clusterIdentifier	
deviceSource	
quarantined	
jailbroken	
passcodeCompliant	True if the passcode is compliant with all the requirements on the device, including Exchange and other accounts. Applicable for iOS only (null for the other platforms).
passcodeCompliantWithProfiles	True if the passcode is compliant with EMM profiles. Applicable for iOS and Android only (null for other platforms).
blocked	
locationStatusDetail	
androidBuildFingerprint	
androidBuildId	
androidZebraPatchLevel	
androidSystemUpdateStatus	
salesCode	
uptime	
androidWorkContainerEnabled	
androidWorkUid	
fcmEnabled	
actionExceptionCodes	
violatedPolicies	
supportLockMessage	
ownerId	

Field	Description
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	
customAttributes	
easDeviceIdentifiers	
IKTFNGAVQT7B1BLBD1NKUC VQ4S	
appEasIdentifiers	
androidDeviceOwnerModeEnabled	
windowsDeviceType	
secureAppsStatus	
secureAppsEncryptionStatus	
secureAppsEncryptionMode	
tpmSpecificationVersion	
bridgeVersion	
bridgeDeviceDataLastCapturedAt	
lastHotfixId	
lastHotfixInstalledOn	
mamOnly	
depEnrolled	
depEligible	
mobileThreatDefenseGeneralStatus	
antiPhishingGeneralStatus	
samsungEfotaCapable	

Field	Description
currentCountryName	If the value for currentCountryName is blank or null, the corresponding API response field will be "null."
currentCountryCode	
homeCountryName	If the value for homeCountryName is blank or null, the corresponding API response field will be "null."
homeCountryCode	
userPreferenceCSVHeader	
dmPartitionId	
dmPartitionName	
androidSecurityPatchLevel	
clientAppBundleId	
groups	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
visible	
dmPartitionId	
name	
description	
type	
definition	
mutable	Can be modified by default.
memberCount	
systemName	

Field	Description
membershipStatic	
treeView	
actionExceptionCodes	
assignedConfigs	
assignedPolicies	
staticMembers	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
visible	
dmPartitionId	
name	
description	
type	
definition	
mutable	Can be modified by default.
memberCount	
systemName	
membershipStatic	
treeView	
operator	
rule	
field	
cfAttributeName	

Field	Description
operator	
values	
IOS	
children	
actionExceptionCodes	
assignedConfigs	
assignedPolicies	
staticMembers	
privacyPolicy	
policyId	
policyName	
locateStatus	
wipeDisabled	
appInventoryCollectAllEnabled	
tos	
title	
body	
tosAcceptedTime	
tosId	
restrictions	
dataRoamingEnabled	
appConnectCheckInTime	
antiPhishingStatus	
mobileThreatDefenseStatus	
appFeedbackLastSync	

Field	Description
activationLockEnabled	
bypassCode	
cloudBackupEnabled	
networkTethered	
lastCloudBackupDate	
mirroringStatus	
voiceRoamingEnabled	
availableOSUpdate	
availableOSUpdates	
serviceSubscriptions	
carrierSettingsVersion	
currentCarrierNetwork	
currentMCC	
currentMNC	
esimIdentifier	eSim identifier. Is GDPR compliant .
iccid	
imei	
isDataPreferred	
isVoicePreferred	
label	
labelID	
phoneNumber	
slot	
timeZone	
osxFdeEnabled	

Field	Description
osxFdeHasInstitutionalRecoveryKey	
osxFdeHasPersonalRecoveryKey	
bootstrapTokenAvailable	
osxFirewallSettings	
osxSystemIntegrityProtectionEnabled	
osxAutoAdminAccountShortName	
osxFirmwarePasswordStatus	
osxFirmwarePasswordCommandStatus	
availableMacOSUpdates	
passcodeLockGracePeriodEnforced	
androidId	
androidSecurityPatchLevel	
androidWorkCapable	
androidWorkEnabled	
androidZebraCapable	
helpAtWorkAvailable	
samsungSafeCapable	
androidEnterpriseKioskLogoutEnabled	
androidWorkProfileEnabled	
androidDeviceOwnerEnabled	
androidWorkDeviceOwnerWithWorkProfileEnabled	
aadDeviceId	

Field	Description
winDmClientChannelUri	
windowsEncrypted	
wipConfigured	
applockerConfigured	
wipMandatorySettingsConfigured	
batteryEstimatedChargeRemaining	
batteryEstimatedRuntime	
osPlatform	
osEdition	
deviceFamily	
androidSafetyNetAttestationType	
aadBulkEnrolled	
enrollerId	
changeOwnerCounter	
aadEnrolled	
apnsCapable	
clientRegistered	
mdmDeviceIdentifier	
itunesAccountActive	
winServiceSubscriptions	

Example Request

`https://[Ivanti Neurons for MDM]/api/v1/device/22001`

Example Response


```
{
  "errors": null,
  "result": {
    "id": 92752,
    "guid": "ed6b6e18-892f-4059-b605-def424308c4d",
    "mdmChannelId": "850a62ec-c29a-42ff-b9e2-16846cf5eb2d",
    "phoneNumber": null,
    "deviceModel": "iPad4,5",
    "deviceName": "iPad",
    "platformType": "IOS",
    "platformVersion": "12.4.4",
    "osBuildVersion": "16G140",
    "lastCheckin": 1578404119952,
    "registrationState": "ACTIVE",
    "displayName": "praveen kh",
    "firstName": "praveen",
    "lastName": "kh",
    "uid": "8888@gmail.com",
    "emailAddress": "499@gmail.com",
    "clientVersion": null,
    "manufacturer": "Apple Inc.",
    "imei": "35 884805 038514 5",
    "imei2": null,
    "imsi": null,
    "locatorServiceEnabled": true,
    "meid": "35884805038514",
    "wifiMacAddress": "6c:70:9f:29:fe:d7",
    "serialNumber": "DLXMF0UREFLMK",
    "altSerialNumber": null,
    "cellularTechnology": "GSM/CDMA",
    "currentCarrierNetwork": "UNKNOWN",
    "subscriberCarrierNetwork": "UNKNOWN",
    "locale": null,
    "ownershipType": "UNKNOWN",
    "complianceState": true,
    "roaming": true,
    "supervised": false,
    "udid": "f4e9953b586208023fc582ef2206f7f4b9389321",
    "clientLastCheckin": null,
    "iccid": null,
    "currentMcc": null,
    "currentMnc": null,
    "subscriberMcc": "",
    "subscriberMnc": "",
    "prettyModel": "iPad Mini 2nd gen",
    "policyViolationCount": 0,
    "latitude": null,
    "longitude": null,
    "locationLastCapturedAt": null,
    "lastRegistrationTime": 1578033658080,
    "lostModeEnabled": false,
    "multiUser": false,
    "clientDeviceIdentifier": null,
    "availableCapacity": 6.575844,
    "totalCapacity": 11.340248,
    "clusterIdentifier": "CLOUD",
    "deviceSource": "CLOUD",
    "quarantined": false,
    "jailbroken": false,
    "passcodeCompliant": false,
    "passcodeCompliantWithProfiles": false,
  }
}
```

```
"blocked": null,
"locationStatusDetail": null,
"androidBuildFingerprint": null,
"androidBuildId": null,
"androidZebraPatchLevel": null,
"androidSystemUpdateStatus": null,
"salesCode": null,
"uptime": null,
"androidWorkContainerEnabled": false,
"androidWorkUid": null,
"fcmaEnabled": false,
"actionExceptionCodes": [],
"violatedPolicies": null,
"supportLockMessage": true,
"ownerId": 10586408,
"legalOwnerId": null,
"legalOwnerEmailAddress": null,
"kioskState": "NOT_CONFIGURED",
"customAttributes": null,
"easDeviceIdentifiers": [
  "IKTFNGAVQT7B1BLBD1NKUCVQ4S"
],
"appEasIdentifiers": null,
"androidDeviceOwnerModeEnabled": false,
"windowsDeviceType": null,
"secureAppsStatus": null,
"secureAppsEncryptionStatus": null,
"secureAppsEncryptionMode": null,
"tpmSpecificationVersion": null,
"bridgeVersion": null,
"bridgeDeviceDataLastCapturedAt": null,
"lastHotfixId": null,
"lastHotfixInstalledOn": null,
"mamOnly": false,
"depEnrolled": false,
"depEligible": false,
"mobileThreatDefenseGeneralStatus": "NA",
"antiPhishingGeneralStatus": "NA",
"samsungEfotaCapable": false,
"currentCountryName": null,
"currentCountryCode": null,
"homeCountryName": null,
"homeCountryCode": null,
"userPreferenceCSVHeader": null,
"dmPartitionId": 23504,
"dmPartitionName": null,
```

```
"androidSecurityPatchLevel": "2018-01-01",
"clientAppBundleId": null,
"groups": [
  {
    "id": 40165,
    "createdAt": 1444416984710,
    "createdBy": 1,
    "modifiedAt": 1444416984710,
    "modifiedBy": null,
    "visible": true,
    "dmPartitionId": 23504,
    "name": "All Devices",
    "description": "Targets any type of device.",
    "type": "DEVICE",
    "definition": null,
    "mutable": false,
    "memberCount": 0,
    "systemName": "ALL_DEVICES",
    "membershipStatic": false,
    "treeView": null,
    "actionExceptionCodes": null,
    "assignedConfigs": null,
    "assignedPolicies": null,
    "staticMembers": null
  },
  {
    "id": 40167,
    "createdAt": 1444416984710,
    "createdBy": 1,
    "modifiedAt": 1444416984710,
    "modifiedBy": null,
    "visible": true,
    "dmPartitionId": 23504,
    "name": "iOS Devices",
    "description": "Targets all iOS devices",
    "type": "DEVICE",
    "definition": "PLATFORMTYPE EQ 'IOS'",
    "mutable": false,
    "memberCount": 0,
    "systemName": "IOS_DEVICES",
    "membershipStatic": false,
    "treeView": {
      "operator": "LEAF",
      "rule": {
        "field": "PLATFORMTYPE",
        "cfAttributeName": null,
        "operator": "EQ",
        "values": [
          "IOS"
        ]
      }
    },
    "children": null
  },
  {
    "actionExceptionCodes": null,
    "assignedConfigs": null,
    "assignedPolicies": null,
    "staticMembers": null
  }
],
"privacyPolicy": {
  "policyId": 42501,
```

```
    "policyName": "Privacy",
    "locateStatus": "ENABLED",
    "wipeDisabled": false,
    "appInventoryCollectAllEnabled": true
  },
  "tos": {
    "title": "test",
    "body": "test1"
  },
  "tosAcceptedTime": 1578033658080,
  "tosId": 50955,
  "restrictions": null,
  "dataRoamingEnabled": false,
  "appConnectCheckInTime": null,
  "antiPhishingStatus": "NA",
  "mobileThreatDefenseStatus": "NA",
  "appFeedbackLastSync": null,
  "activationLockEnabled": true,
  "bypassCode": null,
  "cloudBackupEnabled": true,
  "networkTethered": false,
  "lastCloudBackupDate": 1577955629000,
  "mirroringStatus": null,
  "voiceRoamingEnabled": false,
  "availableOSUpdate": null,
  "availableOSUpdates": [],
  "serviceSubscriptions": [
    {
      "carrierSettingsVersion": null,
      "currentCarrierNetwork": null,
      "currentMCC": null,
      "currentMNC": null,
      "esimIdentifier": null,
      "iccid": null,
      "imei": "35 884805 038514 5",
      "isDataPreferred": false,
      "isVoicePreferred": false,
      "label": null,
      "labelID": null,
      "phoneNumber": null,
      "slot": "CTSubscriptionSlotOne"
    }
  ],
  "timeZone": "Asia/Kolkata",
  "osxFdeEnabled": false,
  "osxFdeHasInstitutionalRecoveryKey": false,
  "osxFdeHasPersonalRecoveryKey": false,
  "bootstrapTokenAvailable": null,
  "osxFirewallSettings": null,
  "osxSystemIntegrityProtectionEnabled": false,
  "osxAutoAdminAccountShortName": null,
  "osxFirmwarePasswordStatus": null,
  "osxFirmwarePasswordCommandStatus": null,
  "availableMacOSUpdates": null,
  "passcodeLockGracePeriodEnforced": null,
  "androidId": null,
  "androidSecurityPatchLevel": null,
  "androidWorkCapable": false,
  "androidWorkEnabled": false,
  "androidZebraCapable": false,
  "helpAtWorkAvailable": false,
```



```
"samsungSafeCapable": false,
"androidEnterpriseKioskLogoutEnabled": false,
"androidWorkProfileEnabled": false,
"androidDeviceOwnerEnabled": false,
"androidWorkDeviceOwnerWithWorkProfileEnabled": false,
"aadDeviceId": null,
"winDmClientChannelUri": null,
"windowsEncrypted": false,
"wipConfigured": false,
"applockerConfigured": false,
"wipMandatorySettingsConfigured": false,
"batteryEstimatedChargeRemaining": null,
"batteryEstimatedRuntime": null,
"osPlatform": null,
"osEdition": null,
"deviceFamily": null,
"androidSafetyNetAttestationType": null,
"aadBulkEnrolled": false,
"enrollerId": null,
"changeOwnerCounter": 0,
"aadEnrolled": false,
"apnsCapable": true,
"clientRegistered": false,
"mdmDeviceIdentifier": "f4e9953b586208023fc582ef2206f7f4b9389321",
"itunesAccountActive": true,
"winServiceSubscriptions": null
}
}
```

Get Device Details Based on Attribute

This call gets the device details based on a custom device or LDAP attribute, for example, cityID as a custom device attribute, or a device attribute, for example, GUID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URIs

Device custom attribute:

`/api/v1/device?fq=CFDEVICE[customAttributeName]=value&dmPartitionId=id`


LDAP custom attribute:

/api/v1/device?fq=CFLDAP[customAttributeName]=value&dmPartitionId=id

Attribute:

/api/v1/device?fq=attributeName=value&dmPartitionId=id

Request Parameters

Parameter	Argument Type	Description	Example Value
customAttributeName	Query	<p>Custom Attribute by which to search. You must url encode the brackets (%5B and %5D). Similarly, if you want to search for ldap custom attributes you may use CFLDAP [attributeName]. For example, if you are setting up LDAP for a school, you may wish to add and be able to query a ROLLNUMBER attribute to track each student's roll number.</p> <hr/> <p> You must add _# to the attribute name while using the numerical custom device attribute in the search.</p> <hr/> <p>Use the GET /api/v1/device or GET /api/v1/device/deviceId call to develop a list of fields against which you can query.</p>	%5BcityId%5D=SF
attributeName	Query	Attribute by which to search.	
dmPartitionId	Query	The tenant's device space ID	23000

Parameter	Argument Type	Description	Example Value
searchAfterValues	Query	Useful in searches in environments with ten-thousand or more devices. See "Searching for devices efficiently" on page 35.	

Response Fields

Field	Description
errors	
result	
totalCount	
searchResults	
id	
guid	
mdmChannelId	Identifier of MDMchannel which is generated by Ivanti Neurons for MDM.
phoneNumber	
deviceModel	
deviceName	
platformType	
platformVersion	
osBuildVersion	
lastCheckin	
registrationState	
displayName	
firstName	
lastName	
uid	
emailAddress	
clientVersion	
manufacturer	
imei	
imsi	

Field	Description
locatorServiceEnabled	
meid	
wifiMacAddress	
serialNumber	
cellularTechnology	
currentCarrierNetwork	
subscriberCarrierNetwork	
locale	
ownershipType	
complianceState	
roaming	
supervised	
udid	
clientLastCheckin	
iccid	
currentMcc	
currentMnc	
subscriberMcc	
subscriberMnc	
prettyModel	
policyViolationCount	
latitude	
longitude	
locationLastCapturedAt	
lastRegistrationTime	
lostModeEnabled	

Field	Description
multiUser	
clientDeviceIdentifier	
quarantined	
jailbroken	
passcodeCompliant	True if the passcode is compliant with all the requirements on the device, including Exchange and other accounts. Applicable for iOS only (null for the other platforms).
passcodeCompliantWithProfiles	True if the passcode is compliant with EMM profiles. Applicable for iOS and Android only (null for other platforms).
blocked	
locationStatusDetail	
androidWorkContainerEnabled	
androidWorkUid	
fcEnabled	
actionExceptionCodes	
violatedPolicies	
supportLockMessage	
ownerId	
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	
customAttributes	

Field	Description
attrs	
easDeviceIdentifiers	
appEasIdentifiers	
androidDeviceOwnerModeEnabled	
windowsDeviceType	
secureAppsStatus	
secureAppsEncryptionStatus	
secureAppsEncryptionMode	
tpmSpecificationVersion	
bridgeVersion	
bridgeDeviceDataLastCapturedAt	
lastHotfixId	
lastHotfixInstalledOn	
mamOnly	
depEnrolled	
depEligible	
offset	
queryTime	
facetedResults	
LAST_HOTFIX_ID	
SUBSCRIBERCARRIERNETWORK	
ANDROIDDEVICEOWNERMODEENABLED	
PRETTYMODEL	
REGISTRATIONSTATE	
MULTIUSER	
ACCOUNTENABLED	

Field	Description
ANDROIDWORKPROFILEENABLED	
KIOSKSTATE	
ANDROIDSECURITYPATCHLEVEL	
JAILBROKEN	
PLATFORMTYPE	
OWNERSHIPTYPE	
ANTI_PHISHING_STATUS	
ANDROIDSAFETYNETATTESTATIONTYPE	
ANDROIDWORKDEVICEOWNERWITHWORKPROFILEENABLED	
COMPLIANCESTATE	
SUPERVISED	
SECUREAPPSSTATUS	
MAMONLY	
ACCOUNTGROUP	
ANDROIDWORKENABLED	
OSBUILDVERSION	
ROAMING	
LOSTMODEENABLED	
totalUnfilteredResultCount	

Example Request

[https://\[Ivanti Neurons for MDM\]/api/v1/device?fq=CFDEVICE%5BcityId%5D=SF&dmPartitionId=23000](https://[Ivanti Neurons for MDM]/api/v1/device?fq=CFDEVICE%5BcityId%5D=SF&dmPartitionId=23000)

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "searchResults": [
      {
        "id": 22004,
        "guid": "50459445-0f9e-456a-b485-534842acdf9f",
        "mdmChannelId": "be016af4-bd88-406d-ae48-82947f0a0eaf",
        "phoneNumber": "",
        "deviceModel": "Pixel 2",
        "deviceName": null,
        "platformType": "ANDROID",
        "platformVersion": "9.0",
        "osBuildVersion": null,
        "lastCheckin": 1546491367278,
        "registrationState": "RETIRED",
        "displayName": "a1 b",
        "firstName": "a1",
        "lastName": "b",
        "uid": "a1@b.com",
        "emailAddress": "a1@b.com",
        "clientVersion": "60.0.0.262",
        "manufacturer": "Google",
        "imei": "",
        "imsi": "",
        "locatorServiceEnabled": false,
        "meid": "",
        "wifiMacAddress": "40:4e:36:8c:db:2d",
        "serialNumber": "",
        "cellularTechnology": "device_p_cellular_technology",
        "currentCarrierNetwork": "UNKNOWN",
        "subscriberCarrierNetwork": "UNKNOWN",
        "locale": "en_US",
        "ownershipType": "UNKNOWN",
        "complianceState": true,
        "roaming": false,
        "supervised": null,
        "udid": null,
        "clientLastCheckin": 1546491367278,
        "iccid": "",
        "currentMcc": "0",
        "currentMnc": "0",
        "subscriberMcc": "0",
        "subscriberMnc": "0",
        "prettyModel": "Pixel 2",
        "policyViolationCount": 0,
        "latitude": null,
        "longitude": null,
        "locationLastCapturedAt": null,
        "lastRegistrationTime": 1546491255252,
        "lostModeEnabled": null,
        "multiUser": null,
        "clientDeviceIdentifier":
"684da0b411e03de9c30a76d5ee04f77575f8b5d27396c73e65c14c137a560663",
        "quarantined": false,
        "jailbroken": false,
        "passcodeCompliant": null,
        "passcodeCompliantWithProfiles": true,
        "blocked": false,
        "locationStatusDetail": null,
      }
    ]
  }
}
```

```
"androidWorkContainerEnabled": false,  
"androidWorkUid": null,  
"fcmEnabled": false,  
"actionExceptionCodes": [],  
"violatedPolicies": [],  
"supportLockMessage": false,  
"ownerId": 10900,
```

```

    "legalOwnerId": null,
    "legalOwnerEmailAddress": null,
    "kioskState": "NOT_CONFIGURED",
    "customAttributes": {
      "attrs": {
        "cityid": [
          "SF"
        ]
      }
    },
    "easDeviceIdentifiers": [
      "bfe2136ea6602a80"
    ],
    "appEasIdentifiers": null,
    "androidDeviceOwnerModeEnabled": false,
    "windowsDeviceType": null,
    "secureAppsStatus": "FALSE",
    "secureAppsEncryptionStatus": "FALSE",
    "secureAppsEncryptionMode": "NONE",
    "tpmSpecificationVersion": null,
    "bridgeVersion": null,
    "bridgeDeviceDataLastCapturedAt": null,
    "lastHotfixId": null,
    "lastHotfixInstalledOn": null,
    "mamOnly": false,
    "depEnrolled": false,
    "depEligible": false
  }
},
"offset": 0,
"queryTime": 10,
"facetedResults": {
  "LAST_HOTFIX_ID": {},
  "SUBSCRIBERCARRIERNETWORK": {
    "UNKNOWN": 1
  },
  "ANDROIDDEVICEOWNERMODEENABLED": {
    "false": 1
  },
  "PRETTYMODEL": {
    "Pixel 2": 1
  },
  "REGISTRATIONSTATE": {
    "RETIRED": 1
  },
  "MULTIUSER": {
    "false": 1
  },
  "ACCOUNTENABLED": {
    "true": 1
  },
  "ANDROIDWORKPROFILEENABLED": {
    "false": 1
  },
  "KIOSKSTATE": {
    "NOT_CONFIGURED": 1
  },
  "ANDROIDSECURITYPATCHLEVEL": {
    "2018-12-05": 1
  },
  "JAILBROKEN": {

```

```

        "false": 1
      },
      "PLATFORMTYPE": {
        "ANDROID": 1
      },
    },
    "OWNERSHIPTYPE": {
      "UNKNOWN": 1
    },
    "ANTI_PHISHING_STATUS": {
      "UNKNOWN": 1
    },
    "ANDROIDSAFETYNETATTESTATIONTYPE": {
      "UNKNOWN": 1
    },
    "ANDROIDWORKDEVICEOWNERWITHWORKPROFILEENABLED": {
      "false": 1
    },
    "COMPLIANCESTATE": {
      "true": 1
    },
    "SUPERVISED": {
      "false": 1
    },
    "SECUREAPPSSTATUS": {
      "FALSE": 1
    },
    "MAMONLY": {
      "false": 1
    },
    "ACCOUNTGROUP": {
      "All Users": 1
    },
    "ANDROIDWORKENABLED": {
      "false": 1
    },
    "OSBUILDVERSION": {},
    "ROAMING": {
      "false": 1
    },
    "LOSTMODEENABLED": {
      "false": 1
    }
  },
  "totalUnfilteredResultCount": 0
}

```

Get Device Configuration

This call gets device configurations on a specific device.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/device/{id}/configs

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The device identifier	22200

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/22200/configs

Response Fields

Field	Description	Example Value
errors	Describes any errors encountered	null
result		
totalCount	Indicates how many configurations were retrieved.	6
queryTime	Indicates how long the query took to execute.	0
searchResults		
id	ID of the configuration.	35046
name	Name of the configuration.	Passcode Config
systemName		null
description	Description of the configuration.	Corporate device passcode config

Field	Description	Example Value
policyType	Type of policy	PASSCODE
policyRuleType		NONE
uuid		bd330bef-1ae8-4fe4-bdb7-dfbea2193aa1
enabled	Indicates whether the configuration is enabled.	true
priority	The priority of the configuration.	1
totalDeviceCount	How many devices use this configuration?	0
installedDeviceCount		0
violationDeviceCount	How many devices are in violation of this configuration?	0
modifiedAt	When the configuration was modified.	null
modifiedBy	The user who modified the configuration.	null
actions		null
status	The status of the configuration.	INSTALLED
offset		0
limit		6

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 6,
    "queryTime": 0,
    "searchResults": [
      {
        "id": 35046,
```

```
"name": "Passcode Config",
"systemName": null,
"description": "Corporate device passcode config",
"policyType": "PASSCODE",
"policyRuleType": "NONE",
"uuid": "bd330bef-1ae8-4fe4-bdb7-dfbea2193aa1",
"enabled": true,
"priority": 1,
"totalDeviceCount": 0,
"installedDeviceCount": 0,
"violationDeviceCount": 0,
"modifiedAt": null,
"modifiedBy": null,
"actions": null,
"status": "INSTALLED"
},
{
  "id": 37859,
  "name": "Identity for the App Catalog",
  "systemName": null,
  "description": "The Identity used by this device to access the iOS App Catalog securely.",
  "policyType": "IDENTITY_CERTIFICATE_DG",
  "policyRuleType": "NONE",
  "uuid": "d48ed5cf-6fcb-47cf-b569-80ed3eeb201a",
  "enabled": true,
  "priority": 1,
  "totalDeviceCount": 0,
  "installedDeviceCount": 0,
  "violationDeviceCount": 0,
  "modifiedAt": null,
  "modifiedBy": null,
  "actions": null,
  "status": "INSTALLED"
},
{
  "id": 35161,
  "name": "MobileIron Corp Wifi",
  "systemName": null,
  "description": "WiFi for MobileIron corporate",
  "policyType": "WIFI",
  "policyRuleType": "NONE",
```



```
"uuid": "35403a2b-52e7-48ed-9df6-598f3dbaec89",
"enabled": true,
"priority": 1,
"totalDeviceCount": 0,
"installedDeviceCount": 0,
"violationDeviceCount": 0,
"modifiedAt": null,
"modifiedBy": null,
"actions": null,
"status": "INSTALLED"
},
{
  "id": 35148,
  "name": "Cloud-Exchange-MS2",
  "systemName": null,
  "description": "",
  "policyType": "EXCHANGE",
  "policyRuleType": "NONE",
  "uuid": "acb5e979-2928-4799-999b-49e218e6bfc0",
  "enabled": true,
  "priority": 2,
  "totalDeviceCount": 0,
  "installedDeviceCount": 0,
  "violationDeviceCount": 0,
  "modifiedAt": null,
  "modifiedBy": null,
  "actions": null,
  "status": "INSTALLED"
},
{
  "id": 35037,
  "name": "App Catalog",
  "systemName": null,
  "description": "Access the iOS App Catalog via this Web Clip.",
  "policyType": "WEBCLIP",
  "policyRuleType": "NONE",
  "uuid": "c7a8ed81-0322-405f-90bc-5c1134a5ea5d",
  "enabled": true,
  "priority": 1,
  "totalDeviceCount": 0,
  "installedDeviceCount": 0,
```

```
    "violationDeviceCount": 0,
    "modifiedAt": null,
    "modifiedBy": null,
    "actions": null,
    "status": "INSTALLED"
  },
  {
    "id": 35162,
    "name": "MobileIron Corporate SSL",
    "systemName": null,
    "description": null,
    "policyType": "VPN",
    "policyRuleType": "NONE",
    "uuid": "5812cc6a-ba6b-4dd0-b879-403420cba703",
    "enabled": true,
    "priority": 1,
    "totalDeviceCount": 0,
    "installedDeviceCount": 0,
    "violationDeviceCount": 0,
    "modifiedAt": null,
    "modifiedBy": null,
    "actions": null,
    "status": "INSTALLED"
  }
],
"offset": 0,
"limit": 6
}
```

Exclude a Configuration from a Device

This call excludes a configuration from a device. This will result in a configuration uninstalling from the device, or becoming Inactive. If required, the configuration can be re-pushed by either the Push an Excluded configuration to a device call, or manually in the Admin Console.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

/api/v1/device/{id}/uninstallconfigs

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	id of the device.	197483
policyIds	Request body	id of the policy to exclude. Can issue several in a comma-separated list.	47269

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/device/197483/uninstallconfigs' -X PUT -H 'Content-Type: application/x-www-form-urlencoded' -H 'Accept: application/json, text/plain, */*' --data 'policyIds=47269'
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Push an excluded configuration to a device

This call can re-push a configuration that was excluded from the device. For example, if you used the [Exclude a Configuration from a device call](#) or manually excluded a configuration from a device in the Admin Console, you can use this to push it back to the device.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

api/v1/device/{id}/uninstallconfigs?policyIds={policyIds}

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	id of the device	197483
policyIds	Path	id of the policy to remove from the uninstalled list. Can issue several in a comma-separated list.	47269

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/device/197483/uninstallconfigs?policyIds=47269' -X DELETE -H 'Accept: application/json, text/plain, */*'
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Re-install a Configuration to a Device

This call re-installs a configuration on a device.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/{id}/reinstallconfigs

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	id of the device	67648
policyids	Request body	id of the policy to push. Can issue several in a comma-separated list.	42492

Example Request

```
curl --location --request PUT 'https://[Ivanti Neurons for MDM]/api/v1/device/67648/reinstallconfigs' \
  --header 'Accept: application/json, text/plain, */*' \
  --header 'Content-Type: application/x-www-form-urlencoded' \
  --header 'Authorization: Basic <token>' \
  --data-urlencode 'policyIds=42492'
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Get Compliance Status of a Particular Device

Gets the compliance status of a device.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/{id}/policies

Request Parameters

Parameter	Argument Type	Description	Sample Value
Id	Path	Id of the device.	22000

Example Request

<https://<hostname>/api/v1/device/22000/policies>

Response Fields

Field	Description	Valid Values	Sample Value
errors			null
result			
totalCount			4
queryTime			0
searchResults			
id			35009
name			Compromised Devices
systemName			null
description			Checks for devices which are compromised.
policyType			POLICY

Field	Description	Valid Values	Sample Value
policyRuleType			COMPROMISED
uuid			ad452ba7-2922-41e6-9720-3c229c70f95c
enabled			true
priority			1
totalDeviceCount			0
installedDeviceCount			0
violationDeviceCount			0
modifiedAt			null
modifiedBy			null
actions			null
compliant			true
pendingCompliant			true
offset			0
limit			4

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 4,
    "queryTime": 0,
    "searchResults": [
      {
        "id": 35009,
        "name": "Compromised Devices",
        "systemName": null,
        "description": "Checks for devices which are compromised.",
        "policyType": "POLICY",
        "policyRuleType": "COMPROMISED",
```

```
"uuid": "ad452ba7-2922-41e6-9720-3c229c70f95c",
"enabled": true,
"priority": 1,
"totalDeviceCount": 0,
"installedDeviceCount": 0,
"violationDeviceCount": 0,
"modifiedAt": null,
"modifiedBy": null,
"actions": null,
"compliant": true,
"pendingCompliant": true
},
{
  "id": 35011,
  "name": "MDM / Device Administration Disabled",
  "systemName": null,
  "description": "Checks for devices which do not have MDM/Device Administration
Enabled.",
  "policyType": "POLICY",
  "policyRuleType": "MDM_DISABLED",
  "uuid": "c9b7891c-7f98-4bb1-a28c-1dab0e532916",
  "enabled": true,
  "priority": 3,
  "totalDeviceCount": 0,
  "installedDeviceCount": 0,
  "violationDeviceCount": 0,
  "modifiedAt": null,
  "modifiedBy": null,
  "actions": null,
  "compliant": true,
  "pendingCompliant": true
},
{
  "id": 35012,
  "name": "Out of Contact ",
  "systemName": null,
  "description": "Checks for devices which have been out of contact for the
specified time.",
  "policyType": "POLICY",
  "policyRuleType": "OUT_OF_CONTACT",
  "uuid": "4edbe47b-2ce2-4a45-a9df-c2e8c03e3fd6",
  "enabled": true,
```



```
    "priority": 4,
    "totalDeviceCount": 0,
    "installedDeviceCount": 0,
    "violationDeviceCount": 0,
    "modifiedAt": null,
    "modifiedBy": null,
    "actions": null,
    "compliant": true,
    "pendingCompliant": true
  },
  {
    "id": 35010,
    "name": "International Roaming Devices",
    "systemName": null,
    "description": "Checks for devices which are currently roaming.",
    "policyType": "POLICY",
    "policyRuleType": "ROAMING",
    "uuid": "0f70be4a-19a5-4ecb-9d04-a9127a4a613f",
    "enabled": true,
    "priority": 2,
    "totalDeviceCount": 0,
    "installedDeviceCount": 0,
    "violationDeviceCount": 0,
    "modifiedAt": null,
    "modifiedBy": null,
    "actions": null,
    "compliant": false,
    "pendingCompliant": false
  }
],
"offset": 0,
"limit": 4
}
```

Sync Compliance Status of a Device

This API syncs the compliance status of a device with GoogleBC and Intune.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/device/compliance/sync?vendor=<VENDOR_NAME>

Request Parameters

Parameter	Argument Type	Description	Sample Value
VENDOR_NAME	Path	Required Data Type: String	GoogleBC Intune
ids	Request Body	Required The device ids to sync	--data-urlencode 'ids=800' \\ --data-urlencode 'ids=802'

Example Request

Example Request URL

```
curl -X POST -kv -u <tenantusername:password> --location  
'https://<hostname>/api/v1/device/compliance/sync?vendor=GoogleBC' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--data-urlencode 'ids=800' \  
--data-urlencode 'ids=802'
```

Example Response

```
{  
  {"errors":null,"result":1}
```

Get certificates assigned to a device

This API returns a list of certificates assigned to a device.

Authentication

Device Management or Device Read Only.

HTTP Method

GET

Request URI

/api/v1/device/{device id}/certs/search?accountId={user id}

Request Parameters

Parameter	Argument Type	Description	Example Value
deviceId	Path	The device ID.	25166
ownerId	Path	The owner ID of the device. You can find this value using the "Get Device Details" on page 199 call.	514976

Example Request

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/device/25166/certs/search?accountId=514976' \
--header 'Authorization: Basic <token>'
```

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 2,
    "searchResults": [
      {
        "caCertificateStoreId": 44764,
        "caId": "18001,xxx556f0f5931738440cfaa4758580f145f91333026",

```

```
"issuer": "CN=nal-0006.mobileiron.net,OU=AppStoreFrontCA,UID=1386198466755",
"notBefore": 1488124992000,
"notAfter": 1701472062000,
"certSerialNumber": 26736,
"certState": "Active",
"certUsageType": "UNKNOWN",
"certAccountId": null,
"deviceId": 25166,
"ownerId": 514976,
"phoneNumber": "2552476910",
"deviceModel": null,
"platformType": "IOS",
"platformVersion": null,
"imei": "426675234949185",
"locale": "en",
"ownershipType": "UNKNOWN",
"complianceState": null,
"roaming": false,
"supervised": false,
"udid": "556f0f5931738440cfaa4758580f145f91333026",
"iccid": "8901 4104 2435 8908 5055",
"prettyModel": "iPhone 5C",
"registrationState": "ACTIVE",
"jailbroken": false,
"meid": "a809a54975c9de",
"osVersion": "8.0",
"model": "iPhone5,3",
"imsi": "",
"mdmState": "ENABLED",
"serialNumber": "6d10e22c0c34",
"compliant": true,
"tenantId": 42410,
"dmPartitionId": 114172,
"displayName": "FirstName2838424 LastName2838424",
"firstName": "FirstName2838424",
"lastName": "LastName2838424",
"uid": "2838424User@sandbox.mobileiron.com",
"emailAddress": "2838424User@sandbox.mobileiron.com",
"caTenantId": 1,
"caType": "LOCAL",
"caName": "AppStoreFrontCA",
"privateKey": false,
"configurationId": 42496,
"certSerialNumberString": "26736"
},
{
"caCertificateStoreId": 44762,
"caId": 18004,
"subject": "CN=xxxf0f5931738440cfaa4758580f145f91333026",
"issuer": "CN=nal-0006.mobileiron.net,OU=iOSMDMCA,UID=1386198471671",
"notBefore": 1488124988000,
"notAfter": 1701472066000,
"certSerialNumber": 26734,
```

```
"certState": "Active",
"certUsageType": "UNKNOWN",
"certAccountId": null,
"deviceId": 25166,
"ownerId": 514976,
"phoneNumber": "2552476910",
"deviceModel": null,
"platformType": "IOS",
"platformVersion": null,
"imei": "426675234949185",
"locale": "en",
"ownershipType": "UNKNOWN",
"complianceState": null,
"roaming": false,
"supervised": false,
"udid": "556f0f5931738440cfaa4758580f145f91333026",
"iccid": "8901 4104 2435 8908 5055",
"prettyModel": "iPhone 5C",
"registrationState": "ACTIVE",
"jailbroken": false,
"meid": "a809a54975c9de",
"osVersion": "8.0",
"model": "iPhone5,3",
"imsi": "",
"mdmState": "ENABLED",
"serialNumber": "6d10e22c0c34",
"compliant": true,
"tenantId": 42410,
"dmPartitionId": 114172,
"displayName": "FirstName2838424 LastName2838424",
"firstName": "FirstName2838424",
"lastName": "LastName2838424",
"uid": "2838424User@sandbox.mobileiron.com",
"emailAddress": "2838424User@sandbox.mobileiron.com",
"caTenantId": 1,
"caType": "LOCAL",
"caName": "iOSMDMCA",
"privateKey": false,
"configurationId": null,
"certSerialNumberString": "26734"
}
],
"offset": 0,
"limit": 10,
"queryTime": 10,
"facetedResults": {
  "CERTSTORESTATE": {
    "Manual_Revoke": 0,
    "Pending_Revoke": 0,
    "Active": 2,
    "Revoked": 0,
    "Expired": 0,
    "Deleted": 0,
```

```
        "Revoke_Failed": 0,  
        "Pending": 0  
    },  
    },  
    "totalUnfilteredResultCount": 2,  
    "unfilteredFacetedResults": {}  
}
```

Check Update Operating System (OS) Version Viability (iOS Only)

This call determines whether Ivanti Neurons for MDM can update the device's OS.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/scheduleOSUpdate?checkViability=true&ids=ids

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Path	Specify true if you want to just check	true
ids	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/scheduleOSUpdate?checkViability=true&ids=22000

Example Response

If the device action is viable on the target devices, then the response does not contain any device details:

```
{
  "errors": null,
  "result": {
    "totalCount": 0,
    "queryTime": 0,
    "searchResults": [ ],
    "offset": 0,
    "limit": 0
  }
}
```

If the device action is not viable, then the response contains device details of the ineligible devices.

Update Operating System (OS) Version (iOS only)

This call updates devices to the specified OS version.

Authentication

Device Actions or Device Management.

HTTP Method

PUT

Request URI

/api/v1/device/scheduleOSUpdate

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request Body	IDs of the devices to update. You can update multiple devices by chaining the ids, for example: ids=22015,22002.	ids=22015,22002
version	Request Body	OS version to which to update.	version=15.5

Example Request

```
curl --location --request PUT -kv -u user:password 'https://[Ivanti Neurons for MDM]/api/v1/device/scheduleOSUpdate' --header 'Content-Type: application/x-www-form-urlencoded' --data-urlencode 'ids=22002' --data-urlencode 'version=15.5'
```

Response Fields

Field	Description
errors	Errors returned by the call
result	1 (one) for success. 0 (zero) for failure.

Example Response

```
{  "errors": null,  "result": 1}
```

Check Force Check-in Viability

This call determines whether a device can be force checked-in.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/forceCheckin?checkViability=true&ids=ids

Request Parameters

Parameter	Argument Type	Description	Example Value
-----------	---------------	-------------	---------------

checkViability	Path	Specify true if you want to just check	true
ids	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/forceCheckin?checkViability=true&ids=22062&ids=22196

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 0,
    "queryTime": 0,
    "searchResults": [ ],
    "offset": 0,
    "limit": 0
  }
}
```

Force check in a device or devices

This call forces a single or multiple devices to check in. You can use device IDs or GUIDs (global unique identifier) as parameters. The parameters of this call are included in a request body, however, you can issue them as query parameters, and the server will parse them into a request body for you.

Authentication

Device Actions or Device Management.

HTTP Method

PUT

Request URI

/api/v1/device/forceCheckin

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request Body	IDs of the devices to force checkin. You can force checkin multiple devices by chaining the ids, for example: ids=22015,22002.	ids=22015,22002
guids	Request Body	GUIDs of the devices to force checkin. You can force checkin multiple devices by chaining the GUIDs, for example: guids=57d9903c-aadf-4b40-aef3-e1f24302f180,56d8803c-aadf-4b40-aef3-e1f24302f180.	guids=57d9903c-aadf-4b40-aef3-e1f24302f180,56d8803c-aadf-4b40-aef3-e1f24302f180

Example Requests

```
curl "https://[Ivanti Neurons for MDM]/api/v1/device/forceCheckin" -X PUT --data "ids=22062&ids=22196"
```

```
curl -X PUT -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/forceCheckin?ids=22000"
```

```
curl -X PUT -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/forceCheckin?guids=57d9903c-aadf-4b40-aef3-e1f24302f180"
```

Example Response

```
{
  "errors": null,
  "result": 2
}
```

Check Wipe Viability

This call determines whether a device can be wiped.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/wipe

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Path	Specify true if you want to just check	true
ids	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/wipe?checkViability=true&ids=22000

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 0,
    "queryTime": 0,
    "searchResults": [ ],
    "offset": 0,
    "limit": 0
  }
}
```

Wipe device

This call wipes a device.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/wipe

Request Body Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	id of the device to wipe	25652
iosDisallowProximitySetup	Request body	true or false. Specifies whether to disallow proximity setup. Applicable for iOS 11.3+.	true
iosPreserveDataPlan	Request body	true or false. Specifies whether to preserve the data plan settings. applicable for iOS 11+.	true
message	Request body	Message to send to device upon wipe.	Decommissioning

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/device/wipe' \
-X 'PUT' \
-H 'Accept: application/json, text/plain, /' \
-H 'Accept-Language: en,fr;q=0.9,en-US;q=0.8,pt-BR;q=0.7,pt;q=0.6' \
-H 'Content-Type: application/x-www-form-urlencoded' \
--data-raw
'ids=25652&iosDisallowProximitySetup=true&iosPreserveDataPlan=true&message=Decommissioning' \
--compressed
```

Example Response

```
{
```

```
"errors": null,  
"result": 1  
}
```

Check Lock viability

This call checks whether a device can be locked.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/lock

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Path	Specify true if you want to just check	true
ids	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/lock?checkViability=true&ids=22000

Example Response

```
{  
  "errors": null,  
  "result": {  
    "totalCount": 0,  
    "queryTime": 0,  
  }  
}
```

```
"searchResults": [ ],  
"offset": 0,  
"limit": 0  
}  
}
```

Lock a device or devices

This call locks a single or several devices. You can use device IDs or GUIDs (global unique identifier) as parameters. The parameters of this call are included in a request body, however, you can issue them as query parameters, and the server will parse them into a request body for you.

Authentication

Device Actions or Device Management.

HTTP Method

PUT

Request URI

api/v1/device/lock

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	ids of the devices to lock. To lock multiple devices, you can chain the ids parameter, for example: ids=126070&ids=337552	22000
guids	Request Body	GUIDs of the devices to lock. You can lock multiple devices by chaining the GUIDs, for example: guids=57d9903c-aadf-4b40-aef3-e1f24302f180&guids=56d8803c-aadf-4b40-aef3-e1f24302f180.	57d9903c-aadf-4b40-aef3-e1f24302f180

Example Requests

```
curl -X PUT "https://[Ivanti Neurons for MDM]/api/v1/device/lock" -d "ids=22000"
curl -X PUT -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/lock?ids=22000"
curl -X PUT -kv -u user:password "https://[Ivanti Neurons for MDM]/api/v1/device/lock?guids=57d9903c-aadf-4b40-aef3-e1f24302f180"
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Unlock a device or devices

This call unlocks a single or several devices.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/unlock

Request Parameters

Parameter	Argument Type	Description	Sample Value
ids	Request body	id of the device to unlock. To unlock multiple devices, you can chain the ids parameter, for example: ids=126070&ids=337552	22000

deviceUnlockPin	Request body	Alphanumeric device unlock pin which should be between 6-8 digits.	123ab400
-----------------	--------------	--	----------

Example Request

```
curl -X PUT "https://Ivanti Neurons for MDM/api/v1/device/unlock"  
--header 'Authorization: Basic <token>' \  
--form 'ids="22000"' \  
--form 'deviceUnlockPin="Pin"'
```

Example Response

```
{  
  "errors": null,  
  "result": 1  
}
```

i DeviceUnlockPin regex = "(^\$)[[a-zA-Z0-9]{6,8})".

i If the client version is greater than or equal to 92, the device will be unlocked via an alphanumeric unlock pin sent over the curl command, otherwise, it will be unlocked via legacy unlock code '0000'.

Check Retire Viability

This call checks whether a device can be retired

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/retire

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Path	Specify true if you want to just check	true
ids	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/retire?checkViability=true&ids=22000

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 0,
    "queryTime": 0,
    "searchResults": [ ],
    "offset": 0,
    "limit": 0
  }
}
```

Retire device

This call retires a device.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/retire

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	id of the device to retire	1007966

Example Request

```
curl -X PUT "https://[Ivanti Neurons for MDM]/api/v1/device/retire" -d "ids= 1007966"
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Check force logout viability

This call determines whether the specified devices are available for having their current users logged out. If the device supports force log out, then call the PUT API to force log out the current users from the devices.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/device/logoutUser

Request Parameters

Parameter	Argument Type	Description	Example Value
-----------	---------------	-------------	---------------

checkViability	Path	Specify true if you want to just check	true
ids	Path	IDs of the devices whose current users to log out. Separate the IDs with commas.	22002

Example Request

```
curl --location --request GET -kv -u user:password 'https://[Ivanti Neurons for MDM]/api/v1/device/logoutUser?checkViability=true&ids=22002'
```

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 22003,
        "guid": "badd9735-4572-4ee9-a13c-062367c62792",
        "mdmChannelId": "fb84afb7-c458-43e6-9c6e-45cf011542b1",
        "actionExceptionCodes": [
          "PLATFORM_NOT_SUPPORTED"
        ],
        ...
      }
    ],
    "totalCount": 1,
    "offset": 0,
    "limit": 1
  }
}
```

Force logout current users from devices

This call force logs out the current users from the specified devices. The call sends the logout request to all of the eligible devices having their IDs present in the request parameter, "ids."

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/logoutUser

Request Body Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	IDs of the devices whose current users to force logout. Separate multiple IDs with commas.	22002

Example Request

```
curl --location --request PUT -kv -u user:password 'https://[Ivanti Neurons for MDM]/api/v1/device/logoutUser'
  --header 'Content-Type: application/x-www-form-urlencoded'

--data-urlencode 'ids=22002'
```

Response fields

Filed	Description
errors	Errors returned by the call.
result	Number of devices to which the API call sent the logout request.

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Delete Device

This call deletes a device. You must run the [Retire device](#) call first before deleting the device. Device should not be in the "ACTIVE" or "WIPE_PENDING" state when you run the call against it.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

/api/v1/device?deviceIds={id}

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	id of the device to retire	1007966

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/device?deviceIds=1007966' -X DELETE
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Send a device or devices a message

This call sends a device or devices a push notification message.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

/api/v1/device/message

Request Parameters

Parameter	Argument Type	Description	Example Value
sendPushNotification	Request body	Instructs the call to send a push notification message. Value is true.	sendPushNotification=true
pushNotificationMessage	Request body	The content of the message, concatenated with plus signs (+).	pushNotificationMessage=Docs+test+of+bulk+messages
sendEmail	Request body	Instructs the call not to send an email also. Value is false.	sendEmail=false
emailSubject	Request body	Should be sent as shown in the next column.	emailSubject=
emailBody	Request body	Should be sent as shown in the next column.	emailBody=

Parameter	Argument Type	Description	Example Value
dmPartitionId	Request body	The device space ID of the device (s).	dmPartitionId=23003
deviceIds	Request body	The IDs of the devices to which to send the push notification message, separated by url-encoded commas. , is %2C url-encoded.	deviceIds=370872%2C383279

Example Request

```
curl "https://[Ivanti Neurons for MDM]/api/v1/device/message" -X PUT --data
"sendPushNotification=true&pushNotificationMessage=Docs+test+of+bulk+messages&sendEmail=false&emailSubject=&emailBody=&dmPartitionId=23003&deviceIds=370872"%2C383279"
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Check Enter Kiosk Mode Viability

This call checks whether a device can be entered into kiosk mode.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/device/enterKioskMode?checkViability=true&ids=deviceIds

Request Parameters

Parameter	Argument Type	Description	Example Value
deviceIds	Path	id of the device	22000

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device/enterKioskMode?checkViability=true&ids=22000

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 0,
    "queryTime": 0,
    "searchResults": [ ],
    "offset": 0,
    "limit": 0
  }
}
```

Enter a Device into Kiosk Mode

This call enters a device into Kiosk mode and is available for Android devices only.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/enterKioskMode

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	ids of the devices to enter into Kiosk mode	22000

Example Request

```
curl -X PUT 'https://[Ivanti Neurons for MDM]/api/v1/device/enterKioskMode' --data 'ids=22000'
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Remove Device from Kiosk Mode

This call removes a device from Kiosk mode and is available for Android devices only.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/device/exitKioskMode

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	ids of the devices to remove from Kiosk mode	22000

Example Request

```
curl -X PUT "https://[Ivanti Neurons for MDM]/api/v1/device/exitKioskMode" -d "ids=22000"
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Enable Lost Mode (iOS only)

This call enables lost mode on an iOS device. You can also use related calls to [check disable lost mode viability](#) and [disable lost mode](#).

Authentication

User with the Device Management role.

HTTP Method

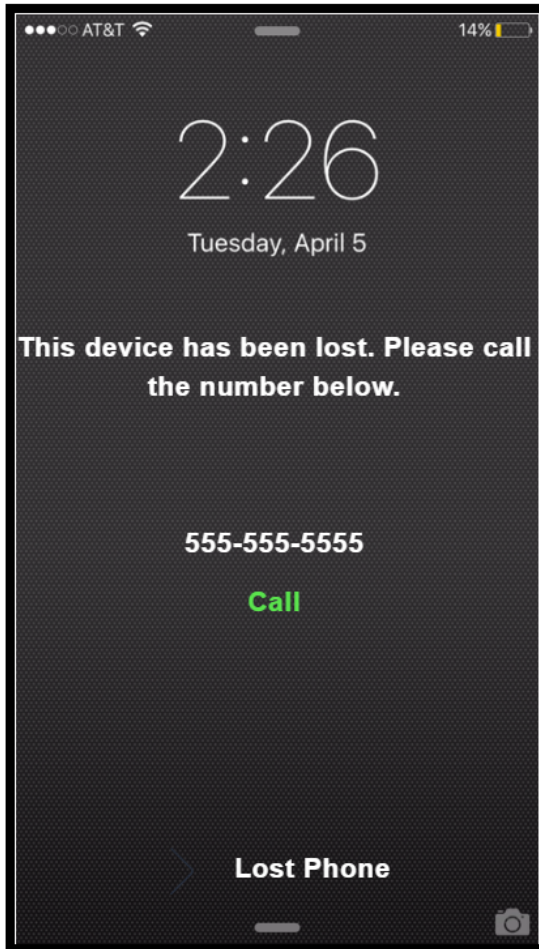
PUT

Request URI

api/v1/device/enableLostMode

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	Required ID of the device to enter into lost mode.	121073
message	Request body	Required Message to send to the device.	This device has been lost. Please call the number below.
phoneNumber	Request body	Phone number to send to the device.	555-555-5555
changeFootnote	Request body	Boolean. true or false.	true
footnote	Request body	Message to push to footnote. 15 character maximum. changeFootnote parameter must be set to true to enable footnote message.	Lost Phone



Example Request

```
curl --location --request PUT 'https://[Ivanti Neurons for MDM]/api/v1/device/enableLostMode' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--header 'Authorization: Basic <token>' \
--data-urlencode 'ids=121073' \
--data-urlencode 'message=This device has been lost. Please call the number below.' \
--data-urlencode 'phoneNumber=555-555-5555' \
--data-urlencode 'changeFootnote=true' \
--data-urlencode 'footnote=Lost Phone'
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

}

Check Disable Lost Mode Viability (iOS only)

This call checks whether the specified devices are eligible to have lost mode disabled. The results only list the specified devices that CANNOT have lost mode disabled. The scenario may be that a user had reported a lost device and then the Ivanti for MDM administrator responded by putting the device into lost mode. Then the user reports having found the device, prompting the administrator to use this call to check whether the device really is in lost mode. If the call does not return the device in the results, meaning in this case that the device can have lost mode disabled, then the administrator can move on to the [disable lost mode](#) call.

Authentication

Use credentials for a user with the device management permission.

HTTP Method

GET

Request URI

/api/v1/device/disableLostMode?checkViability=true&ids={ids}

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Query	Use true to check for disable lost mode eligibility.	checkViability=true&ids=136732
ids	Query	The IDs of the devices for which to check disable lost mode eligibility. Separate multiple IDs with commas.	

Example Request

```
curl 'https://[Ivanti Neurons for MDM
host]/api/v1/device/disableLostMode?checkViability=true&ids=136732' \
-H 'Accept: application/json, text/plain, */*' \
-H 'Authorization: Basic <token>' \
--compressed
```

Response Fields

Field	Description
errors	
result	The results only list devices that CANNOT have lost mode disabled.
searchResults	
totalCount	
offset	
limit	

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [ ],
    "totalCount": 0,
    "offset": 0,
    "limit": 0
  }
}
```

Disable Lost Mode (iOS only)

This call disables lost mode on an iOS device. Perhaps a user reports recovery of a lost device, prompting the Ivanti Neurons for MDM administrator to first [check whether the device can have lost mode disabled](#), and then use this call to disable lost mode, restoring the device into service.

Authentication

User with the Device Management role.

HTTP Method

PUT

Request URI

api/v1/device/disableLostMode

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	Required IDs of the devices to enter into lost mode. Sepatare values with commas.	--data-raw 'ids=136732'

Example Request

```
curl 'https://[Ivanti Neurons for MDM host]/api/v1/device/disableLostMode' \  
-X 'PUT' \  
-H 'Accept: application/json, text/plain, */*' \  
-H 'Content-Type: application/x-www-form-urlencoded' \  
-H 'Authorization: Basic <token>' \  
  
--data-raw 'ids=136732' \  
--compressed
```

Example Response

```
{  
  "errors": null,  
  "result": 1  
}
```

Check Relinquish Viability (Android only)

This call checks whether the specified device is eligible to be relinquished. Relinquishing removes the work profile and all policies from a company-owned device, releasing the device for personal use.

Authentication

Use credentials for a user with the device management permission.

HTTP Method

PUT

Request URI

/api/v1/device/relinquishOwnership?checkViability=true&ids={ids}

Request Parameters

Parameter	Argument Type	Description	Example Value
checkViability	Query	Use true to check for relinquish eligibility.	checkViability=true&ids=909
ids	Query	The IDs of the devices for which to check relinquish eligibility. Separate multiple IDs with commas.	

Example Request

PUT https://<host>/api/v1/device/relinquishOwnership?checkViability=true&ids=909

Response Fields

Field	Description
errors	object("Error" on page 43) Response errors.
result	number Number of eligible devices.

Example Response

```
{
  "errors": null,
  "result": 0
}
```

Relinquish device (Android only)

This call relinquishes an Android device. Relinquishing removes the work profile and all policies from a company-owned device, releasing the device for personal use.

Authentication

Use credentials for a user with the device management permission.

HTTP Method

PUT

Request URI

/api/v1/device/relinquishOwnership?ids={ids}

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Query	The IDs of the devices to relinquish eligibility. Separate multiple IDs with commas.	ids=909

Example Request

PUT https://<host>/api/v1/device/relinquishOwnership?ids=909

Response Fields

Field	Description
errors	object("Error" on page 43) Response errors.
result	number Number of relinquished devices.

Example Response

```
{
  "errors": null,
  "result": 0
}
```

Cancel Relinquish device (Android only)

This call cancels relinquishing an Android device. Relinquishing removes the work profile and all policies from a company-owned device, releasing the device for personal use.

Authentication

Use credentials for a user with the device management permission.

HTTP Method

PUT

Request URI

/api/v1/device/relinquishOwnershipCancel?ids={ids}

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Query	The IDs of the devices for which to cancel relinquishing. Separate multiple IDs with commas.	ids=909

Example Request

PUT https://<host>/api/v1/device/relinquishOwnershipCancel?ids=909

Response Fields

Field	Description
errors	object("Error" on page 43) Response errors.
result	number Number of devices for which relinquishment has been canceled.

Example Response

```
{
  "errors": null,
  "result": 0
}
```

Get List of Devices Registered Within x Amount of Time

This call gets a list of devices registered within the last x days, hours, minutes, and seconds.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/device?dmPartitionId=dmPartitionId&fq=lastRegistrationTime<'dd:hr:mm:ss'&rows=rows&start=start

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Path	Integer. The device space ID.	23003
dd:hr:mm:ss	Path	Time. The time in days, hours, minutes, and seconds to search for the last registration.	0:0:03:06 (Represents in the last 3 minutes 6 seconds)
rows	Path	Integer. How many rows to retrieve. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34.	5
start	Path	Integer. The row on which to start the display. See "Searching for devices efficiently" on page 35	0
searchAfterValues	Query	Useful in searches in environments with ten-thousand or more devices. See "Searching for devices efficiently" on page 35.	

Example Request

```
http://[Ivanti Neurons for MDM]/api/v1/device?dmPartitionId=23003&fq=lastRegistrationTime<'0:0:03:06'&rows=5&start=0
```

Response Fields

Response Fields	Description
errors	
result	
totalCount	
queryTime	
searchResults	
id	
phoneNumber	
deviceModel	
platformType	
platformVersion	
lastCheckin	
registrationState	
displayName	
firstName	
lastName	
uid	
emailAddress	
clientVersion	
manufacturer	
imei	
wifiMacAddress	
serialNumber	
currentCarrierNetwork	
subscriberCarrierNetwork	
locale	
ownershipType	
complianceState	

Response Fields	Description
roaming	
supervised	
udid	
clientLastCheckin	
iccid	
currentMcc	
currentMnc	
subscriberMcc	
subscriberMnc	
prettyModel	
policyViolationCount	
latitude	
longitude	
locationLastCapturedAt	
lastRegistrationTime	
locationStatusDetail	
actionExceptionCodes	
null	
supportLockMessage	
ownerId	
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	
customAttributes	
offset	
limit	
facetedResults	
PRETTYMODEL	

Response Fields	Description
List of models	
COMPLIANCESTATE	
false	
true	
OWNERSHIPTYPE	
COMPANY	
EMPLOYEE	
UNKNOWN	
SUBSCRIBERCARRIERNETWORK	
List of networks	
JAILBROKEN	
true	
false	
ACCOUNTGROUP	
List of groups	
REGISTRATIONSTATE	
RETIRED	
WIPE_CANCELED	
RETIRE_CANCELED	
RETIRE_SENT	
WIPE_PENDING	
WIPE_SENT	
WIPED	
RETIRE_PENDING	
ACTIVE	
SUPERVISED	
true	
false	

Response Fields	Description
ROAMING	
true	
false	
PLATFORMTYPE	
ANDROID	
IOS	
WINDOWS_PHONE	
OSX	
KIOSKSTATE	
NOT_CONFIGURED	
INACTIVE	
ACTIVE	
totalUnfilteredResultCount	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "queryTime": 28,
    "searchResults": [
      {
        "id": 394985,
        "phoneNumber": "+15558555543",
        "deviceModel": "XT1095",
        "platformType": "ANDROID",
        "platformVersion": "5.0",
        "lastCheckin": 1426183813073,
        "registrationState": "ACTIVE",
        "displayName": "Bill Smith",
        "firstName": "Bill",
        "lastName": "Smith",
        "uid": "bsmith@acme.com",
```



```
"emailAddress": " bsmith@acme.com",
"clientVersion": "3.0.1.3",
"manufacturer": "motorola",
"imei": "353345061657294",
"wifiMacAddress": "f8:cf:c5:00:b1:4a",
"serialNumber": "TA4490808E",
"currentCarrierNetwork": "T-Mobile",
"subscriberCarrierNetwork": "UNKNOWN",
"locale": "en_US",
"ownershipType": "UNKNOWN",
"complianceState": true,
"roaming": false,
"supervised": null,
"udid": null,
"clientLastCheckin": 1426183813073,
"iccid": "8901260222782933598",
"currentMcc": "310",
"currentMnc": "260",
"subscriberMcc": "310",
"subscriberMnc": "260",
"prettyModel": "XT1095",
"policyViolationCount": 0,
"latitude": null,
"longitude": null,
"locationLastCapturedAt": null,
"lastRegistrationTime": 1426183707585,
"locationStatusDetail": null,
"actionExceptionCodes": [
  null
],
"supportLockMessage": false,
"ownerId": 10220,
"legalOwnerId": null,
"legalOwnerEmailAddress": null,
"kioskState": "NOT_CONFIGURED",
"customAttributes": null
}
],
"offset": 0,
"limit": 5,
"facetedResults": {
```

```
"PRETTYMODEL": {
  "SM-N900V": 0,
  "iPad": 0,
  "GT-I9505": 0,
  "SAMSUNG-SM-N900A": 0,
  "HTC 802w": 0,
  "SM-N900T": 0,
  "GT-I9500": 0,
  "SAMSUNG-SGH-I337": 0,
  "Nexus 9": 0,
  "GT-N8013": 0,
  "iPhone": 0,
  "MI 2S": 0,
  "SM-G900F": 0,
  "SM-T210R": 0,
  "SM-G900H": 0,
  "SC-02E": 0,
  "SM-G530H": 0,
  "Nexus 4": 0,
  "SAMSUNG-SGH-I727": 0,
  "iPod touch": 0,
  "Nexus 5": 0,
  "SM-T530NU": 0,
  "SPH-L720": 0,
  "Nexus 6": 0,
  "Nexus 7": 0,
  "SM-T320": 0,
  "iPhone 4s": 0,
  "SM-P600": 0,
  "iPad Mini": 0,
  "GT-I9105P": 0,
  "SGH-M919": 0,
  "SCH-I535": 0,
  "C6802": 0,
  "A0001": 0,
  "SC-03D": 0,
  "GT-P3113": 0,
  "iPhone 3Gs": 0,
  "DROID RAZR": 0,
  "LG-D858HK": 0,
  "SAMSUNG-SM-G900A": 0,
```

```
"iPad 2": 0,  
"iPhone 5s": 0,  
"XT1095": 1,  
"Galaxy Nexus": 0,  
"GT-N7000": 0,  
"iPhone 6 Plus": 0,  
"iPad4,7": 0,  
"iPad5,3": 0,  
"iPad5,4": 0,  
"Nexus 10": 0,  
"Lumia 520": 0,  
"iPhone 5c": 0,  
"GT-P5113": 0,  
"SCH-I545": 0,  
"MacBookAir6,2": 0,  
"SAMSUNG-SGH-I317": 0,  
"GT-N7105": 0,  
"LG-D851": 0,  
"SAMSUNG-SGH-I747": 0,  
"GT-N7100": 0,  
"iPad 4th gen": 0,  
"iPhone3,2": 0,  
"iPod touch 4th gen": 0,  
"HTC One X": 0,  
"SM-N910G": 0,  
"XT1080": 0,  
"Lumia 635": 0,  
"GT-I9000": 0,  
"iPad 3rd gen": 0,  
"iPad Air": 0,  
"Lumia 925": 0,  
"iPhone 4": 0,  
"SCH-I915": 0,  
"iPhone 5": 0,  
"iPhone 6": 0,  
"HTC One": 0,  
"GT-I9300": 0,  
"iPod touch 5th gen": 0,  
"Lumia 630": 0,  
"iPad Mini 2nd gen": 0,  
"iPhone Simulator": 0,
```

```
"SC-01F": 0,
"MacBookAir4,2": 0,
"Nexus S": 0
},
"COMPLIANCESTATE": {
  "false": 0,
  "true": 1
},
"OWNERSHIPTYPE": {
  "COMPANY": 0,
  "EMPLOYEE": 0,
  "UNKNOWN": 1
},
"SUBSCRIBERCARRIERNETWORK": {
  "Verizon": 0,
  "vodafone": 0,
  "Viettel": 0,
  "ドコモ": 0,
  "KDDI": 0,
  "T-Mobile": 0,
  "AT&T": 0,
  "ATT-US": 0,
  "中国移动": 0,
  "Sprint": 0,
  "Vodafone India": 0,
  "movistar": 0,
  "Vodafone.de": 0,
  "OPTUS": 0,
  "UNKNOWN": 1,
  "NTT DOCOMO": 0,
  "Airtel TZ": 0,
  "vodafone UK": 0,
  "TELCEL": 0,
  "airtel": 0,
  "SingTel": 0,
  "YES OPTUS": 0,
  "Singtel": 0,
  "AirTel": 0,
  "000-IN": 0,
  "Carrier": 0,
  "CMCC": 0,
```

```
"Telekom.de": 0,
"中国联通": 0,
"Verizon Wireless": 0,
"EE": 0,
"Telstra": 0
},
"JAILBROKEN": {
  "true": 0,
  "false": 1
},
"ACCOUNTGROUP": {
  "Professional Services": 0,
  "xteam": 0,
  "UX Test Group": 0,
  "Sales": 1,
  "EMEA-ISR": 0,
  "MiOnMi-All0365": 1,
  "UG2": 0,
  "Demo Group": 0,
  "hari": 0,
  "Russ": 0,
  "UX Team": 0,
  "Test Group - Created by/for ArjanV@mobileiron.com": 0,
  "Newell North America": 0,
  "洋一テストユーザーグループ": 0,
  "Customer Success": 0,
  "IT Test Group": 0,
  "Engineering": 0,
  "Business Development": 0,
  "Newell Georgia": 0,
  "MIMIC-o365Test": 0,
  "Marketing": 0,
  "EMEA-Partner-Helpdesk": 0,
  "all-productmanagers": 0,
  "UX": 0,
  "Newell": 0,
  "RichardLi": 0,
  "Users Not Syncing groups": 0,
  "SE": 1,
  "QA": 0,
  "SAFE - Native Samsung Users": 0,
```

```
"Roupen Group": 0,
"IT": 0,
"Local Users - Unable to Link to AD": 0,
"System Administrators": 0,
"Supervised Devices": 0,
"Vinay Parihar": 0,
"Tyson Wheeler - Android": 0,
"MIOnMI-AllServices": 0,
"UG1": 0,
"RamseyNJesse": 0,
"Default Group": 1,
"All Users": 1,
"Sales Ops": 0,
"Chris Kim": 0,
"CN": 0,
"Japan": 0,
"Mirko": 0
},
"REGISTRATIONSTATE": {
  "RETIRED": 0,
  "WIPE_CANCELED": 0,
  "RETIRE_CANCELED": 0,
  "RETIRE_SENT": 0,
  "WIPE_PENDING": 0,
  "WIPE_SENT": 0,
  "WIPED": 0,
  "RETIRE_PENDING": 0,
  "ACTIVE": 1
},
"SUPERVISED": {
  "true": 0,
  "false": 1
},
"ROAMING": {
  "true": 0,
  "false": 1
},
"PLATFORMTYPE": {
  "ANDROID": 1,
  "IOS": 0,
  "WINDOWS_PHONE": 0,
```

```
        "OSX": 0
      },
      "KIOSKSTATE": {
        "NOT_CONFIGURED": 1,
        "INACTIVE": 0,
        "ACTIVE": 0
      }
    },
    "totalUnfilteredResultCount": 503
  }
}
```

Get List of Devices Checked In Within x Amount of Time

This call gets a list of devices checked in within the last x seconds, minutes or hours. The call returns such fields, for example, as availableCapacity and totalCapacity, to aid troubleshooting why apps are not installing.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

`/api/v1/device?dmPartitionId=dmPartitionId&fq=lastCheckin<'hh:mm:ss'&rows=rows&start=start`

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Path	Integer. The device space ID.	23003

Parameter	Argument Type	Description	Example Value
fq=lastCheckin	Query	Solr Filter Query parameter (fq) filtering the query to return devices checked in within the time specified in hours, minutes and seconds.	fq=lastCheckin<'00:01:00'
rows	Query	Integer. How many rows to retrieve. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34.	5
start	Path	Integer. The row on which to start the display. See "Searching for devices efficiently" on page 35	0
searchAfterValues	Query	Useful in searches in environments with ten-thousand or more devices. See "Searching for devices efficiently" on page 35.	

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/device?dmPartitionId=23003&fq=lastCheckin<'00:01:00'&rows=5&start=0
```


Response Fields

Field	Description
errors	
result	
totalCount	
searchResults	
id	
guid	
mdmChannelId	
phoneNumber	
deviceModel	
deviceName	
platformType	
platformVersion	
osBuildVersion	
lastCheckin	
registrationState	
displayName	
firstName	
lastName	
uid	
emailAddress	
clientVersion	
manufacturer	
imei	

Field	Description
imei2	
imsi	
locatorServiceEnabled	
meid	
wifiMacAddress	
wifiMacAddressForInventory	
systemUpdateInformation	
serialNumber	
altSerialNumber	
cellularTechnology	
currentCarrierNetwork	
subscriberCarrierNetwork	
locale	
ownershipType	
complianceState	
roaming	
supervised	
udid	
clientLastCheckin	
iccid	
currentMcc	
currentMnc	
subscriberMcc	

Field	Description
subscriberMnc	
prettyModel	
policyViolationCount	
latitude	
longitude	
locationLastCapturedAt	
lastRegistrationTime	
lostModeEnabled	
multiUser	
maxResidentUsers	
clientDeviceIdentifier	
availableCapacity	
totalCapacity	
clusterIdentifier	
deviceSource	
quarantined	
jailbroken	
passcodeCompliant	True if the passcode is compliant with all the requirements on the device, including Exchange and other accounts. Applicable for iOS only (null for the other platforms).
passcodeCompliantWithProfiles	True if the passcode is compliant with EMM profiles.

Field	Description
blocked	
locationStatusDetail	
androidBuildFingerprint	
androidBuildId	
androidZebraPatchLevel	
androidSystemUpdateStatus	
salesCode	
firmwareVersion	
uptime	
userEnrolled	
androidWorkContainerEnabled	
androidWorkUid	
androidManagedByGoogle	
fcmEnabled	
actionExceptionCodes	
violatedPolicies	
supportLockMessage	
ownerId	
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	
customAttributes	

Field	Description
easDeviceIdentifiers	
appEasIdentifiers	
androidDeviceOwnerModeEnabled	
windowsDeviceType	
secureAppsStatus	
secureAppsEncryptionStatus	
secureAppsEncryptionMode	
tpmSpecificationVersion	
bridgeVersion	
bridgeDeviceDataLastCapturedAt	
lastHotfixId	
lastHotfixInstalledOn	
mamOnly	
authOnly	
ipAddress	Is GDPR compliant .
depEnrolled	
depEligible	
mobileThreatDefenseGeneralStatus	
antiPhishingGeneralStatus	
samsungEfotaCapable	
currentCountryName	If the value for currentCountryName is blank or null, the corresponding API response field will be "null."

Field	Description
currentCountryCode	
homeCountryName	If the value for homeCountryName is blank or null, the corresponding API response field will be "null."
homeCountryCode	
userPreferenceCSVHeader	
dmPartitionId	
dmPartitionName	
entityName	
offset	
queryTime	
facetedResults	
LAST_HOTFIX_ID	
SUBSCRIBERCARRIERNETWORK	
AUTHONLY	
ANDROIDWORKPROFILEONCOMPANYOWNEDDEVICEENABLED	
ANDROIDDEVICEOWNERMODEENABLED	
PRETTYMODEL	
REGISTRATIONSTATE	
DEVICESOURCE	
MULTIUSER	
ACCOUNTENABLED	
ANDROIDWORKPROFILEENABLED	

Field	Description
KIOSKSTATE	
ANDROIDSECURITYPATCHLEVEL	
JAILBROKEN	
PLATFORMTYPE	
OWNERSHIPTYPE	
ANDROIDSAFETYNETATTESTATIONTYPE	
ANDROIDWORKDEVICEOWNERWITHWORKPROFILEENABLED	
COMPLIANCESTATE	
MOBILE_THREAT_DEFENSE_GENERAL_STATUS	
SUPERVISED	
ANTIPHISHINGGENERALSTATUS	
SECUREAPPSSTATUS	
MAMONLY	
ANDROIDMANAGEDBYGOOGLE	
ACCOUNTGROUP	
ANDROIDWORKENABLED	
OSBUILDVERSION	
ROAMING	
LOSTMODEENABLED	
totalUnfilteredResultCount	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "searchResults": [
      {
        "id": 89073,
        "guid": "50cf8b26-4514-4f16-b0b8-2b4a5f9a965d",
        "mdmChannelId": "50f0321c-f12d-492e-99c1-61bbbe31b4ef",
        "phoneNumber": null,
        "deviceModel": "iPad7,5",
        "deviceName": "Micloud's iPad",
        "platformType": "IOS",
        "platformVersion": "12.4",
        "osBuildVersion": "16G77",
        "lastCheckin": 1597793723830,
        "registrationState": "ACTIVE",
        "displayName": "ad fs",
        "firstName": "ad",
        "lastName": "fs",
        "uid": "adfsuser1@micadfs.com",
        "emailAddress": "a@mobileiron.com",
        "clientVersion": null,
        "manufacturer": "Apple Inc.",
        "imei": null,
        "imei2": null,
        "imsi": null,
        "locatorServiceEnabled": true,
        "meid": null,
        "wifiMacAddress": "60:8c:4a:ac:b6:24",
        "wifiMacAddressForInventory": null,
        "systemUpdateInformation": null,
        "serialNumber": "GG7XCJ38JF8K",
        "altSerialNumber": null,
        "cellularTechnology": "device_p_cellular_technology",
        "currentCarrierNetwork": "UNKNOWN",
        "subscriberCarrierNetwork": "UNKNOWN",
        "locale": null,
        "ownershipType": "UNKNOWN",
        "complianceState": true,
        "roaming": false,
        "supervised": false,
        "udid": "aa02889fa80c43e2e22f33d12ff12d564d735d49",
        "clientLastCheckin": null,
        "iccid": null,
        "currentMcc": null,
        "currentMnc": null,
        "subscriberMcc": null,
        "subscriberMnc": null,
        "prettyModel": "iPad 6th gen",
        "policyViolationCount": 0,
        "latitude": null,
        "longitude": null,
        "locationLastCapturedAt": null,
        "lastRegistrationTime": 1597349037211,
        "lostModeEnabled": false,
        "multiUser": false,
        "maxResidentUsers": null,
        "clientDeviceIdentifier": null,
        "availableCapacity": 17.063477,
        "totalCapacity": 22.111652,
      }
    ]
  }
}
```

```
"clusterIdentifier": "CLOUD",
"deviceSource": "CLOUD",
"quarantined": false,
"jailbroken": false,
"passcodeCompliant": true,
"passcodeCompliantWithProfiles": true,
"blocked": false,
"locationStatusDetail": null,
"androidBuildFingerprint": null,
"androidBuildId": null,
"androidZebraPatchLevel": null,
"androidSystemUpdateStatus": null,
"salesCode": null,
"firmwareVersion": null,
"uptime": null,
"userEnrolled": false,
"androidWorkContainerEnabled": false,
"androidWorkUid": null,
"androidManagedByGoogle": false,
"fcmaEnabled": false,
"actionExceptionCodes": [ ],
"violatedPolicies": [ ],
"supportLockMessage": true,
"ownerId": 12206107,
"legalOwnerId": null,
"legalOwnerEmailAddress": null,
"kioskState": "NOT_CONFIGURED",
"legalOwnerId": null,
"legalOwnerEmailAddress": null,
"customAttributes": null,
"easDeviceIdentifiers": [
  "LQQEGK4VED1H75L0S40DBA9MB8"
],
"appEasIdentifiers": null,
"androidDeviceOwnerModeEnabled": false,
"windowsDeviceType": null,
"secureAppsStatus": null,
"secureAppsEncryptionStatus": null,
"secureAppsEncryptionMode": null,
"tpmSpecificationVersion": null,
"bridgeVersion": null,
"bridgeDeviceDataLastCapturedAt": null,
"lastHotfixId": null,
"lastHotfixInstalledOn": null,
"mamOnly": false,
"authOnly": false,
"ipAddress": null,
"depEnrolled": false,
"depEligible": false,
"mobileThreatDefenseGeneralStatus": "NA",
"antiPhishingGeneralStatus": "NA",
"samsungEfotaCapable": false,
"currentCountryName": null,
"currentCountryCode": null,
"homeCountryName": null,
"homeCountryCode": null,
"userPreferenceCSVHeader": null,
"dmPartitionId": 23504,
"dmPartitionName": "Default Space",
"entityName": "Micloud's iPad"
}
```

```
],
"offset": 0,
"queryTime": 5,
"facetedResults": {
  "LAST_HOTFIX_ID": { },
  "SUBSCRIBERCARRIERNETWORK": {
    "UNKNOWN": 1
  },
  "AUTHONLY": {
    "false": 1
  },
  "ANDROIDWORKPROFILEONCOMPANYOWNEDDEVICEENABLED": {
    "false": 1
  },
  "ANDROIDDEVICEOWNERMODEENABLED": {
    "false": 1
  },
  "PRETTYMODEL": {
    "iPad 6th gen": 1
  },
  "REGISTRATIONSTATE": {
    "ACTIVE": 1
  },
  "DEVICESOURCE": {
    "CLOUD": 1
  },
  "MULTIUSER": {
    "false": 1
  },
  "ACCOUNTENABLED": {
    "true": 1
  },
  "ANDROIDWORKPROFILEENABLED": {
    "false": 1
  },
  "KIOSKSTATE": {
    "NOT_CONFIGURED": 1
  },
  "ANDROIDSECURITYPATCHLEVEL": { },
  "JAILBROKEN": {
    "false": 1
  },
  "PLATFORMTYPE": {
    "IOS": 1
  },
  "OWNERSHIPTYPE": {
    "UNKNOWN": 1
  },
  "ANDROIDSAFETYNETATTESTATIONTYPE": {
    "UNKNOWN": 1
  },
  "ANDROIDWORKDEVICEOWNERWITHWORKPROFILEENABLED": {
    "false": 1
  },
  "COMPLIANCESTATE": {
    "true": 1
  },
  "MOBILE_THREAT_DEFENSE_GENERAL_STATUS": {
    "NA": 1
  },
  "SUPERVISED": {
```

```

        "false": 1
      },
      "ANTIPHISHINGGENERALSTATUS": {
        "NA": 1
      },
      "SECUREAPPSSTATUS": { },
      "MAMONLY": {
        "false": 1
      },
      "ANDROIDMANAGEDBYGOOGLE": {
        "false": 1
      },
      "ACCOUNTGROUP": {
        "All Users": 1,
        "ADFS IDP": 1
      },
      "ANDROIDWORKENABLED": {
        "false": 1
      },
      "OSBUILDVERSION": {
        "16G77": 1
      },
      "ROAMING": {
        "false": 1
      },
      "LOSTMODEENABLED": {
        "false": 1
      }
    },
    "totalUnfilteredResultCount": 0
  }
}

```

List Devices by UID or Email Address

This call lists devices by UID or by email address.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/device

Request Parameters

Parameter	Argument Type	Description	Example Value
q	Query	The query container	?q=&dmPartitionId=23505&fq=EMAILADDRESS+EQ+smith@mobileiron.com
dmPartitionId	Query	The device space ID.	23505
fq	Query	<ul style="list-style-type: none"> Searches for a device by email address or by UID: By email address: fq=EMAILADDRESS+EQ+emailaddress By UID: fq=UID+EQ+UID 	fq=EMAILADDRESS+EQ+smith@mobileiron.com or fq=UID+EQ+smith@mobileiron.com
searchAfterValues	Query	Useful in searches in environments with ten-thousand or more devices. See "Searching for devices efficiently" on page 35.	

Example Request

https://[Ivanti Neurons for MDM]/api/v1/device?q=&dmPartitionId=23505&fq=EMAILADDRESS+EQ+smith@mobileiron.com

or

https://[Ivanti Neurons for MDM]/api/v1/device?q=&dmPartitionId=23505&fq=UID+EQ+smith@mobileiron.com

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "searchResults": [
      {
        "id": 197483,
        "mdmChannelId": null,
        "phoneNumber": "+447480308390",
        "deviceModel": "iPhone6,2",
        "deviceName": "iPhone",
        "platformType": "IOS",
        "platformVersion": "8.1.2",
        "osBuildVersion": "12B440",
        "lastCheckin": 1422649201021,
        "registrationState": "ACTIVE",
        "displayName": "Stuart Cordery",
        "firstName": "Stuart",
        "lastName": "Cordery",
        "uid": "ssmith@mobileiron.com",
        "emailAddress": "ssmith@mobileiron.com",
        "clientVersion": "2.9.0 (2.9.0.15)",
        "manufacturer": "Apple Inc.",
        "imei": "35 876105 566321 0",
        "imsi": null,
        "meid": null,
        "wifiMacAddress": "90:b9:31:73:5b:f6",
        "serialNumber": "F2LLMEE9FFG8",
        "cellularTechnology": "device__p_cellular_technology",
        "currentCarrierNetwork": "UNKNOWN",
        "subscriberCarrierNetwork": "Three",
        "locale": null,
        "ownershipType": "UNKNOWN",
        "complianceState": false,
        "roaming": true,
        "supervised": false,
        "udid": "f831a81049c541ad78b12e09db0849e06ad6dad6",
        "clientLastCheckin": 1422640798139,
        "iccid": "8944 2001 0071 0054 856",
```

```
"currentMcc": "310",
"currentMnc": "410",
"subscriberMcc": "234",
"subscriberMnc": "20",
"prettyModel": "iPhone 5S",
"policyViolationCount": 2,
"latitude": 33.651546,
"longitude": -117.99167,
"locationLastCapturedAt": 1422640798182,
"lastRegistrationTime": 1418162611699,
"lostModeEnabled": false,
"multiUser": false,
"locationStatusDetail": {
  "lastUpdatedAt": 1422640798182,
  "locationStatus": "AVAILABLE"
},
"androidWorkContainerEnabled": false,
"actionExceptionCodes": [ ],
"supportLockMessage": true,
"ownerId": 1110567,
"legalOwnerId": null,
"legalOwnerEmailAddress": null,
"kioskState": "NOT_CONFIGURED",
"customAttributes": null,
"easDeviceIdentifiers": [
  "ApplF2LLMEE9FFG8"
],
"androidDeviceOwnerModeEnabled": false,
"windowsDeviceType": null,
"secureAppsStatus": null,
"secureAppsEncryptionStatus": null,
"secureAppsEncryptionMode": null
}
],
"offset": 0,
"queryTime": 2,
"facetedResults": {
  "SUBSCRIBERCARRIERNETWORK": {
    "Three": 1
  },
  "COMPLIANCESTATE": {
```



```
    "false": 1
  },
  "SUPERVISED": {
    "false": 1
  },
  "SECUREAPPSSTATUS": { },
  "ANDROIDDEVICEOWNERMODEENABLED": {
    "false": 1
  },
  "PRETTYMODEL": {
    "iPhone 5S": 1
  },
  "ACCOUNTGROUP": {
    "All Users": 1
  },
  "REGISTRATIONSTATE": {
    "ACTIVE": 1
  },
  "MULTIUSER": {
    "false": 1
  },
  "OSBUILDVERSION": {
    "12B440": 1
  },
  "KIOSKSTATE": {
    "NOT_CONFIGURED": 1
  },
  "ANDROIDWORKCONTAINERENABLED": {
    "false": 1
  },
  "ROAMING": {
    "true": 1
  },
  "LOSTMODEENABLED": {
    "false": 1
  },
  "JAILBROKEN": {
    "false": 1
  },
  "PLATFORMTYPE": {
    "IOS": 1
  }
}
```

```

    },
    "OWNERSHIPTYPE": {
      "UNKNOWN": 1
    }
  },
  "totalUnfilteredResultCount": 0
}
}

```

Get Device Enrollment Program (DEP) details by DEP profile ID

iOS only. This call returns DEP details by DEP profile ID. Apple allows customers to purchase devices in bulk and automatically enroll those devices in MDM during device activation. You can create a DEP profile and apply it to all devices associated with that MDM Server. This call returns details about a specific DEP profile.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/depServer{id}/profiles

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The profile ID of the DEP for which you get details. You can get this value using the GET /api/v1/depServer call, and then use the value for id found here in that return: <pre> { "errors": null, "result": { "searchResults": [{ </pre>	198

Parameter	Argument Type	Description	Example Value
		<pre> "id": 198, "serverUuid": "xxxxaa95-3bd7-4dde-8339- 6218d43d8937", ... "limit": 50 } }</pre>	

Example Request

```
curl -X GET https://[Ivanti Neurons for MDM]/api/v1/depServer/198/profiles
```

Response Fields

Field	Description
errors	
result	
id	
uuid	
profileName	
allowPairing	
softwareUpdateEnabled	
anchorCerts	
department	
mandatory	
mdmRemovable	
maximumResidentUsers	
multiUser	
orgMagic	
skipSetupItems	
Location	
Restore	
Android	
AppleID	
TOS	
Biometric	
Payment	
Zoom	

Field	Description
Siri	
Diagnostics	
Passcode	
supervised	
supervisingHostCerts	
supportPhoneNumber	
supportEmailAddress	
url	
accountConfiguration	
skipPrimarySetupAccountCreation	
setPrimarySetupAccountAsRegularUser	
skipAutoSetupAdminAccounts	
autoSetupAdminAccounts	
showCustomTextOnLoginPage	
customText	
awaitDeviceConfig	
timeLimit	
enableCustomEnrollment	
configurationWebUrl	
virtualServerId	
status	
description	
newProfileUuid	

Field	Description
createdAt	
createdBy	
modifiedAt	
modifiedBy	
numOfDevices	
default	

Example Response

```
{
  "errors": null,
  "result": [
    {
      "id": 51799,
      "uuid": "27EF7B79448A485D9CF9F68038BB18DB",
      "profileName": "QEJoe",
      "allowPairing": true,
      "softwareUpdateEnabled": false,
      "anchorCerts": null,
      "department": "QE-2",
      "mandatory": false,
      "mdmRemovable": true,
      "maximumResidentUsers": 0,
      "multiUser": false,
      "orgMagic": "xxxxaa95-3bd7-4dde-8339-6218d43d8937",
      "skipSetupItems": [
        "Biometric",
        "Payment",
        "Passcode"
      ],
      "supervised": false,
      "supervisingHostCerts": null,
      "supportPhoneNumber": "1234567890",
      "supportEmailAddress": null, [Ivanti Neurons for
MDM]/c/i/dep/dep.mobileconfig",
      "accountConfiguration": {
        "skipPrimarySetupAccountCreation": false,
        "setPrimarySetupAccountAsRegularUser": false,
        "skipAutoSetupAdminAccounts": true,
        "autoSetupAdminAccounts": null
      },
      "showCustomTextOnLoginPage": false,
      "customText": null,
      "awaitDeviceConfig": false,
    }
  ]
}
```

```
    "timeLimit": 3,  
    "enableCustomEnrollment": false,  
    "configurationWebUrl": null,  
    "virtualServerId": 198,  
    "status": "ACTIVE",  
    "description": null,  
    "newProfileUuid": null,  
    "createdAt": null,  
    "createdBy": null,  
    "modifiedAt": null,  
    "modifiedBy": null,  
    "numOfDevices": 0,  
    "default": true  
  }  
]  
}
```

Custom Device Enrollment

Get MDM profile

Applicable to iOS 13.0 and macOS 10.15 and later versions as supported by Ivanti Neurons for MDM. You use this call when interacting with a custom device enrollment web page. See the section "Adding a custom Device Enrollment web page" on the [Admin > Device Enrollment page](#) of the Ivanti Neurons for MDM online help for complete details. The link leads you to the Ivanti Neurons for MDM 72 online help. You can replace the 72 with the latest version number of Ivanti Neurons for MDM to access the most up to date help system.

Authentication

This call requires Tenant Admin credentials.

HTTP method

POST

Request URI

/c/i/dep/custom.mobileconfig?user=name@company.com

Required header

x-apple-aspen-deviceinfo: Should contain value of the x-apple-aspen-deviceinfo header sent by the device to the custom enrollment endpoint.

Example request

https://[Ivanti Neurons for MDM]/c/i/dep/custom.mobileconfig?user=jdoe@acme.com

Response

The response is a .mobileconfig file which is used for registration.

Bulk Enrollment API Calls

Create Bulk Enrollment Profile by Uploading CSV File

This call adds a new Bulk Enrollment Profile by uploading a CSV file with device details.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

/api/v1/bulkenrollment/profile/upload

Request Parameters

Parameter	Argument Type	Description	Example Value
csv-data	Request body	Required Data Type: string CSV file to be uploaded	
name	Request body	Required Data Type: string Name of the CSV file to be uploaded.	device_bulk_enrollment.csv
description	Request Body	Required Data Type: string The bulk upload description	

Parameter	Argument Type	Description	Example Value
withoutToken	Request Body	Required Data Type: Boolean, true or false	True

Example Request

Example Request URL

`https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/upload/ device_bulk_enrollment.csv`

Example Response

```
{
  "errors": null,
  "result": {
    "csvId": 3,
    "tenantId": 42000,
    "enrollmentToken": "xxxxxx",
    "tokenExpiry": <abcdef>,
    "userName": null,
    "userEmailAddress": null,
    "userId": null,
    "serverUrl": "https://[Ivanti Neurons for MDM]",
    "errorMessage": null,
    "deviceCount": null,
    "provisioningConfig": null
  }
}
```

List Bulk Enrollment Profiles

This call lists all the bulk enrollment profiles.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

/api/v1/bulkenrollment/profile

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Id of the bulk enrollment profile to be updated.	1

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3

Example Response

```
{
  "errors": null,
  "result": [
    {
      "csvName": "apiTest1",
      "description": "csv File uploaded via API",
      "modifiedAt": 1699610369005,
      "devicesCount": 50,
      "userName": null,
      "userEmailAddress": null,
      "csvId": 3,
      "errorMessage": null,
      "withoutToken": false,
      "userId": 0
    }
  ]
}
```

```
]
}
```

Get Bulk Enrollment Profile Detail by profile ID

This call lists the bulk enrollment profile details by their profile ID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

```
api/v1/bulkenrollment/profile/id/devices?q=&rows=20&start=0&sortFields%5B0%5D.name=imei&sortFields%5B0%5D.order=ASC&nav=true
```

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Profile ID of the bulk enrollment profile to be updated.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3/devices?q=&rows=5&start=0&sortFields%5B0%5D.name=imei&sortFields%5B0%5D.order=ASC&nav=true
```

Example Request Body

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 109,
        "imei": "3575370848772300",
        "tenantId": null,
        "manufacturer": "Samsung",
        "serialNumber": "RZ8K314XFY75",
        "state": "PENDING_REG",
        "customAttributes": null,
        "userName": null
      },
      {
        "id": 124,
        "imei": "35753708487723000",
        "tenantId": null,
        "manufacturer": "Samsung",
        "serialNumber": "RZ8K314XFY746",
        "state": "PENDING_REG",
        "customAttributes": null,
        "userName": null
      },
      {
        "id": 147,
        "imei": "35753708487723000",
        "tenantId": null,
        "manufacturer": "Samsung",
        "serialNumber": "RZ8K314XFY772",
        "state": "PENDING_REG",
        "customAttributes": null,
        "userName": null
      },
      {
        "id": 138,
        "imei": "35753708487723000",
        "tenantId": null,
        "manufacturer": "Samsung",
        "serialNumber": "RZ8K314XFY790",
```

```
"state": "PENDING_REG",
"customAttributes": null,
"userName": null
},
{
"id": 128,
"imei": "35753708487723000",
"tenantId": null,
"manufacturer": "Samsung",
"serialNumber": "RZ8K314XFY722",
"state": "PENDING_REG",
"customAttributes": null,
"userName": null
}
],
"totalCount": 50,
"offset": 0,
"limit": 5
}
}
```

Update Bulk Enrollment Profile

This call updates the bulk enrollment profile details.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

/api/v1/bulkenrollment/profile

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	Required Data Type: number ID of the bulk enrollment profile to be updated.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile
```

Download Bulk Enrollment Profile by profile ID

This call downloads the bulk enrollment profile details by using profile ID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

```
/api/v1/bulkenrollment/profile/id/download
```

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request body	Required Data Type: number ID of the bulk enrollment profile to be downloaded.	1

Example Request

Example Request URL

`https:// [Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3/download`

Delete Bulk Enrollment Profile by profile ID

This call deletes a Bulk Enrollment Profile by using profileId.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

`api/v1/bulkenrollment/profile/id`

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required	1

Parameter	Argument Type	Description	Example Value
		Data Type: number ID of the Bulk enrollment profile to be deleted.	

Example Request

Example Request URL

```
https:// [Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1
```

Search Devices in Bulk Enrollment

This call searches for devices in a Bulk Enrollment.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

```
api/v1/bulkenrollment/profile/id/devices?q=2476b5y210000cse&rows=20&start=0&sortFields%5B0%5D.name=imei&sortFields%5B0%5D.order=ASC&nav=true
```

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number	1

Parameter	Argument Type	Description	Example Value
		ID of the bulk enrollment profile from which the device has to be searched.	

Example Request

Example Request URL

```
https://[Ivanti Neurons for  
MDM]/api/v1/bulkenrollment/profile/3/devices?q=RZ8K314XFY7316&rows=20&start=0&sortFields  
%5B0%5D.name=imei&sortFields%5B0%5D.order=ASC&nav=true
```

Example Response

```
{  
  "errors": null,  
  "result": {  
    "searchResults": [  
      {  
        "id": 101,  
        "imei": "3575370xxxxxxxx",  
        "tenantId": null,  
        "manufacturer": "Samsung",  
        "serialNumber": "RAATYPXFY3399",  
        "state": "PENDING_REG",  
        "customAttributes": null,  
        "userName": null  
      }  
    ],  
    "totalCount": 1,  
    "offset": 0,  
    "limit": 20  
  }  
}
```

Generate QR Code for the Bulk Enrollment Profile

This call generates a QR code for a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/bulkenrollment/profile/id/qrcode/generate

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number ID of the Bulk Enrollment Profile for which the QR code needs to be generated.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1/qrcode/generate
```

Example Response

```
{  
  "errors": null,  
}
```

```
"result": "{ \"android.app.extra.PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION\": \"https://<hostname>/cloud-android/current/mi-Go-latest.apk\", \"android.app.extra.PROVISIONING_ADMIN_EXTRAS_BUNDLE\": { \"server\": \"<hostname>\", \"qrCode\": true, \"token\": \"jtstg43j\" }, \"android.app.extra.PROVISIONING_LOCALE\": \"en_US\", \"android.app.extra.PROVISIONING_DEVICE_ADMIN_SIGNATURE_CHECKSUM\": \"H2IxQHNSEQDuĵQ7aEQUv143Nikw9AGHExJhhWELE\", \"android.app.extra.PROVISIONING_LEAVE_ALL_SYSTEM_APPS_ENABLED\": true, \"android.app.extra.PROVISIONING_TIME_ZONE\": \"America/Los_Angeles\", \"android.app.extra.PROVISIONING_DEVICE_ADMIN_COMPONENT_NAME\": \"com.mi.ae.android/com.mi.poris.manager.device.AndroidDeviceAdminReceiver\" }"
```

Get Bulk Enrollment Configuration by Bulk Profile ID

This call gets the bulk enrollment configuration by using bulk profile ID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/bulkenrollment/profile/id

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Profile ID of the bulk enrollment profile for which the bulk enrollment configuration must be fetched.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1
```

Example Response

```
{
  "errors": null,
  "result": {
    "csvId": 3,
    "tenantId": 42000,
    "enrollmentToken": "ttzzel34",
    "tokenExpiry": 1700215169002,
    "userName": null,
    "userEmailAddress": null,
    "userId": null,
    "serverUrl": "https://<hostname>",
    "errorMessage": null,
    "deviceCount": 50,
    "provisioningConfig": null
  }
}
```

Modify Bulk Enrollment Configuration for a Bulk Profile by Bulk Profile ID

This call updates the bulk enrollment configuration of the bulk enrollment profile by using profile ID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/bulkenrollment/profile/id/qrcode

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Profile ID of the bulk enrollment profile for which the bulk enrollment configuration needs to be modified.	1

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1/qrcode

Add more devices to a Bulk Enrollment Profile

This call adds more devices to a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

api/v1/bulkenrollment/profile/id

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	ID of the Bulk enrollment profile to which more devices must be added.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3
```

Example Request Body

```
{
  "devices": [
    {
      "imei": "045923498",
      "manufacturer": "Alcatel Lucent inc",
      "serialNumber": "987634832832",
      "customAttributes": "isBulk=false;numkey=655734"
    }
  ]
}
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Edit Device Record in a Bulk Enrollment Profile

This call edits a device record in a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/bulkenrollment/profile/id/devices

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Device ID of the device to be updated to the bulk enrollment profile.	1
devices	Request body	Required Data Type: string Details of the device to be edited.	

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1/devices

Delete Device Records from a Bulk Enrollment Profile

This call deletes device records from a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

DELETE

Request URI

api/v1/bulkenrollment/profile/id/devices

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Profile ID of the bulk enrollment profile which has the device to be deleted.	1

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/1/devices?ids=655734

Example Request Body

```
{
  "devices": [
    {
      "imei": "045923498",
      "manufacturer": "Alcatel Lucent inc",
      "serialNumber": "986634832832",
      "customAttributes": "isBulk=false;numkey=655734"
    }
  ]
}
```

Refresh Token for a Bulk Enrollment Profile

This call refreshes the token of a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/bulkenrollment/profile/id/refreshToken

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Bulk Enrollment profile ID that needs to be refreshed.	

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3/refreshToken
```

Example Response

```
{  
  "errors": null,  
  "result": {  
    "enrollmentToken": "su8eubjg3",  
  }  
}
```

```
"tokenExpiry": 1700224007451
}
```

Update Token Expiry for Bulk profile

This call refreshes the token for a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/bulkenrollment/profile/id?action=refreshToken

Request Parameters

Parameter	Argument Type	Description	Sample Value
Id	Request Body	Required Data Type: number Profile ID of the bulk enrollment profile for which the token expiry must be updated.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3?action=refreshToken
```

Example Request Body

```
{
```

```
"userId": "", // if userId is not empty then it will update the associated user to the csv
"tokenExpiry": 1701094674198
}
```

Example Response

```
{
  "errors": null,
  "result": 52
}
```

Change associated User for a bulk profile

This call changes the associated user for a bulk enrollment profile.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

PUT

Request URI

api/v1/bulkenrollment/profile/id?action=addUser

Request Parameters

Parameter	Argument Type	Description	Sample Value
Id	Request Body	Required Data Type: number ID of the bulk enrollment profile for which the associated user should be updated.	1

Example Request

Example Request URL

```
https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3?action=addUser
```

Example Request Body

```
{  
  "userId": 10052, // We can get userId from the Search User api response  
  "tokenExpiry": 1701094674198  
}
```

Search User

This call searches for a particular user.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

api/v1/account/search

Request Parameters

Parameter	Argument Type	Description	Sample Value
Id	Request Body	Required Data Type: number Bulk enrollment account from which the user must be searched for.	

Example Request

Example Request URL

`https://[Ivanti Neurons for MDM]/api/v1/account/search`

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 1,
    "searchResults": [
      {
        "id": 10052,
        "createdAt": 1699432428392,
        "firstName": "abdved",
        "lastName": "vedB",
        "ldapEntryState": "NA",
        "uid": "abdved@adb.com",
        "emailAddress": "abdvedd@adres.com",
        "accountSource": "LOCAL",
        "inviteState": "None",
        "inviteResendCount": 0,
        "accountType": "USER",
        "enabled": true,
        "locked": false,
        "superUser": false,
        "termsAccepted": false,
        "bypassSaml": false,
        "passwordExpiresAt": 1707208430803,
        "accountSettings": "null",
        "mutable": false,
        "loginFailureCount": 0,
        "loginSuccessAt": 1699616086483,
        "passwordHistory": "{}",
        "androidWorkUserStatus": "NONE",
        "androidWorkRetryCount": 0,
        "androidWorkDeviceAccountEnabled": false,
        "idpUserDeleted": false,
        "passwordNeverExpire": false,
        "registrationPin": {
```

```
"expiresAt": null,
"pin": null,
"used": false,
"ppkgPinStatus": "NOT_GENERATED"
},
"groups": [
  "All Users"
],
"deviceCount": 0
}
],
"offset": 0,
"limit": 10,
"queryTime": 8,
"facetedResults": {
  "PASSWORDEXPIRATION": {
    "false": 1,
    "true": 0
  },
  "ACCOUNTSOURCE": {
    "LDAP": 0,
    "AAD": 0,
    "ROSTER": 0,
    "SALESFORCE": 0,
    "SCIM_AAD": 0,
    "LOCAL": 1,
    "SCIM_OKTA": 0
  },
  "TERMSACCEPTED": {
    "false": 1,
    "true": 0
  },
  "INVITESTATE": {
    "Completed": 0,
    "Expired": 0,
    "None": 1,
    "Pending": 0
  },
  "ACCOUNTTYPE": {
    "SUPPORT": 0,
    "API": 0,
```

```
"PARTNER_USER": 0,  
"USER": 1  
,  
"ANDROIDWORKSTATUS": {  
  "ENABLED": 0,  
  "ERROR": 0,  
  "NONE": 1,  
  "DELETED": 0  
,  
"SYNC": {  
  "na": 1,  
  "DIRECT_SYNC": 0,  
  "INDIRECT_SYNC": 0,  
  "NO_SYNC": 0  
,  
"ACCOUNTGROUP": {  
  "All Users": 1  
}  
,  
"totalUnfilteredResultCount": 6  
}  
}
```

Get Basic Info for Bulk Enrollment Profile by ID

This call gets basic info for bulk enrollment profile by profile ID.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

GET

Request URI

api/v1/bulkenrollment/profile/id/info

Request Parameters

Parameter	Argument Type	Description	Sample Value
Id	Request Body	Required Data Type: number Profile ID to be used to get basic info about the bulk enrollment profile.	1

Example Request

Example Request URL

`https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/3/info`

Example Response

```
{
  "errors": null,
  "result": {
    "csvName": "apiTestcsvUpdate",
    "enrollmentToken": "su8eubjg3",
    "tokenExpiry": 1701094674198,
    "deviceStateToCount": {
      "TOTAL": 51,
      "PENDING_REG": 51
    }
  }
}
```

Add More Devices from a CSV File

This call adds more devices to a bulk enrollment profile from a CSV file.

Authentication

This call requires Tenant Admin credentials.

HTTP Method

POST

Request URI

api/v1/bulkenrollment/profile/id/uploadRequest

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Request Body	Required Data Type: number Profile ID to be used to get basic info about the bulk enrollment profile.	1

Example Request

Example Request URL

https://[Ivanti Neurons for MDM]/api/v1/bulkenrollment/profile/9/uploadRequest

Example Response

```
{  
  "errors":null,  
  "result":true  
}
```

Configuration API Calls

Get a List of Device Configurations

This call returns a list of all available device configurations.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/policy?dmPartitionId=id&tag=DEVICE_CONFIGURATION

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Path	dmPartitionId is the tenant's device space ID. You can get this with the GET /api/v1/metadata/tenant call.	23000
tag=DEVICE_CONFIGURATION	Path	Directs the call to retrieve all device configurations.	tag=DEVICE_CONFIGURATION

Example Request

https://[Ivanti Neurons for MDM]/api/v1/policy?dmPartitionId=23000&tag=DEVICE_CONFIGURATION

Response Fields

Field	Description
errors	
result	
totalCount	
queryTime	
searchResults	
id	
name	
systemName	
description	
policyType	
policyRuleType	
uuid	
enabled	
priority	
totalDeviceCount	
installedDeviceCount	
violationDeviceCount	
modifiedAt	
modifiedBy	
id	
displayName	
emailAddress	
firstName	

Field	Description
lastName	
actions	
offset	
limit	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 10,
    "queryTime": 0,
    "searchResults": [
      {
        "id": 35000,
        "name": "System Root Certificate",
        "systemName": "systemRootCert",
        "description": "The CA certificate for the system's root certificate authority.
All certificates issued to mobile devices chain back to this certificate authority.",
        "policyType": "CERTIFICATE",
        "policyRuleType": "NONE",
        "uuid": "839454aa-bc50-4aae-9120-c8931161b24d",
        "enabled": true,
        "priority": 1,
        "totalDeviceCount": 0,
        "installedDeviceCount": 0,
        "violationDeviceCount": 0,
        "modifiedAt": 1381909930374,
        "modifiedBy": {
          "id": 1,
          "displayName": "System",
          "emailAddress": "System",
          "firstName": "System",
          "lastName": "System"
        },
        "actions": null
      },
    ],
  },
}
```

```

...
  ],
  "offset": 0,
  "limit": 50
}
}

```

Assign Configuration to Device Group

This call assigns a configuration to a device group.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v1/policy/configId/rule_groups?ruleGroupIds=ruleGroupId

Request Parameters

Parameter	Argument Type	Description	Example Value
configId	Path	configId is the ID of the device configuration. You can get this with the /api/v1/policy?dmPartitionId=id&tag=DEVICE_CONFIGURATION call.	31540
ruleGroupId	Path	The ID of the device group to which to assign the configuration. You can get this with the /api/v1/rule_group?dmPartitionId=id&type=DEVICE call.	38002

Example Request

https://[Ivanti Neurons for MDM]/api/v1/policy/35140/rule_groups?ruleGroupIds=38002

Response Fields

Field	Description
errors	null if successful.
result	true if successful.

Example Response

```
{  
  "errors": null,  
  "result": true  
}
```


Tenant Administration API Calls

Get Tenant Metadata

This call returns all tenant metadata.

Authentication

This call requires Tenant Admin credentials

HTTP Method

GET

Request URI

api/v1/metadata/tenant

Example Request

https://[Ivanti Neurons for MDM]/api/v1/metadata/tenant

Response Fields

Field	Description
errors	
result	
cmPermissionList	
app.create	
app.delete	
app.distribution.read	
app.distribution.update	
app.rating.read	
app.rating.update	
app.read	
app.review.delete	
app.review.read	
app.review.update	
app.update	
audit.app.read	
audit.content.read	
content.create	
content.delete	
content.distribution.read	
content.distribution.update	
content.read	
content.update	
vpp.code.read	
vpp.code.update	
vpp.license.delete	
vpp.license.read	

Field	Description
vpp.license.sync	
vpp.license.update	
vpp.order.create	
vpp.order.delete	
vpp.order.read	
vpp.order.update	
vpp.profile.create	
vpp.profile.read	
dmPermissionList	
app.inventory.read	
ca.create	
ca.delete	
ca.issued.certficate.read	
ca.issued.certficate.revoke	
ca.read	
ca.update	
device.create	
device.delete	
device.force.checkin	
device.locate	
device.lock	
device.push.profile	
device.read	
device.retire	
device.retire.cancel	
device.send.message	

Field	Description
device.start.mirroring	
device.stop.mirroring	
device.unlock	
device.update	
device.wipe	
device.wipe.cancel	
mdm.queue.delete	
mdm.queue.read	
policy.aim.audit.read	
policy.aim.create	
policy.aim.delete	
policy.aim.read	
policy.aim.to.ruleGroup.update	
policy.aim.update	
policy.air.play.audit.read	
policy.air.play.create	
policy.air.play.delete	
policy.air.play.read	
policy.air.play.to.ruleGroup.update	
policy.air.play.update	
policy.air.print.audit.read	
policy.air.print.create	
policy.air.print.delete	
policy.air.print.read	
policy.air.print.to.ruleGroup.update	
policy.air.print.update	

Field	Description
policy.android.encryption.audit.read	
policy.android.encryption.create	
policy.android.encryption.delete	
policy.android.encryption.read	
policy.android.encryption.to.ruleGroup.update	
policy.android.encryption.update	
policy.android.kiosk.audit.read	
policy.android.kiosk.create	
policy.android.kiosk.delete	
policy.android.kiosk.read	
policy.android.kiosk.to.ruleGroup.update	
policy.android.kiosk.update	
policy.android.lockdown.audit.read	
policy.android.lockdown.create	
policy.android.lockdown.delete	
policy.android.lockdown.read	
policy.android.lockdown.to.ruleGroup.update	
policy.android.lockdown.update	
policy.apn.audit.read	
policy.apn.create	
policy.apn.delete	
policy.apn.read	
policy.apn.to.ruleGroup.update	
policy.apn.update	
policy.app.lock.audit.read	
policy.app.lock.create	

Field	Description
policy.app.lock.delete	
policy.app.lock.read	
policy.app.lock.to.ruleGroup.update	
policy.app.lock.update	
policy.appconnect.app.config.audit.read	
policy.appconnect.app.config.create	
policy.appconnect.app.config.delete	
policy.appconnect.app.config.read	
policy.appconnect.app.config.to.ruleGroup.update	
policy.appconnect.app.config.update	
policy.appconnect.app.policy.audit.read	
policy.appconnect.app.policy.create	
policy.appconnect.app.policy.delete	
policy.appconnect.app.policy.read	
policy.appconnect.app.policy.to.ruleGroup.update	
policy.appconnect.app.policy.update	
policy.appconnect.zone.config.audit.read	
policy.appconnect.zone.config.create	
policy.appconnect.zone.config.delete	
policy.appconnect.zone.config.read	
policy.appconnect.zone.config.to.ruleGroup.update	
policy.appconnect.zone.config.update	
policy.application.access.audit.read	
policy.application.access.create	
policy.application.access.delete	
policy.application.access.read	

Field	Description
policy.application.access.to.ruleGroup.update	
policy.application.access.update	
policy.caldav.audit.read	
policy.caldav.create	
policy.caldav.delete	
policy.caldav.read	
policy.caldav.to.ruleGroup.update	
policy.caldav.update	
policy.carddav.audit.read	
policy.carddav.create	
policy.carddav.delete	
policy.carddav.read	
policy.carddav.to.ruleGroup.update	
policy.carddav.update	
policy.cellular.audit.read	
policy.cellular.create	
policy.cellular.delete	
policy.cellular.read	
policy.cellular.to.ruleGroup.update	
policy.cellular.update	
policy.certificate.audit.read	
policy.certificate.create	
policy.certificate.delete	
policy.certificate.read	
policy.certificate.store.create	
policy.certificate.store.delete	

Field	Description
policy.certificate.store.read	
policy.certificate.store.update	
policy.certificate.to.ruleGroup.update	
policy.certificate.update	
policy.device.registration.audit.read	
policy.device.registration.create	
policy.device.registration.delete	
policy.device.registration.read	
policy.device.registration.to.ruleGroup.update	
policy.device.registration.update	
policy.email.audit.read	
policy.email.create	
policy.email.delete	
policy.email.read	
policy.email.to.ruleGroup.update	
policy.email.update	
policy.exchange.audit.read	
policy.exchange.create	
policy.exchange.delete	
policy.exchange.read	
policy.exchange.to.ruleGroup.update	
policy.exchange.update	
policy.font.audit.read	
policy.font.create	
policy.font.delete	
policy.font.read	

Field	Description
policy.font.to.ruleGroup.update	
policy.font.update	
policy.general.ios.audit.read	
policy.general.ios.create	
policy.general.ios.delete	
policy.general.ios.read	
policy.general.ios.to.ruleGroup.update	
policy.general.ios.update	
policy.global.proxy.audit.read	
policy.global.proxy.create	
policy.global.proxy.delete	
policy.global.proxy.read	
policy.global.proxy.to.ruleGroup.update	
policy.global.proxy.update	
policy.identity.certificate.dg.audit.read	
policy.identity.certificate.dg.create	
policy.identity.certificate.dg.delete	
policy.identity.certificate.dg.read	
policy.identity.certificate.dg.to.ruleGroup.update	
policy.identity.certificate.dg.update	
policy.identityCertificate.audit.read	
policy.identityCertificate.create	
policy.identityCertificate.delete	
policy.identityCertificate.read	
policy.identityCertificate.to.ruleGroup.update	
policy.identityCertificate.update	

Field	Description
policy.jabber.audit.read	
policy.jabber.create	
policy.jabber.delete	
policy.jabber.read	
policy.jabber.to.ruleGroup.update	
policy.jabber.update	
policy.ldap.audit.read	
policy.ldap.create	
policy.ldap.delete	
policy.ldap.read	
policy.ldap.to.ruleGroup.update	
policy.ldap.update	
policy.localCa.audit.read	
policy.localCa.create	
policy.localCa.delete	
policy.localCa.read	
policy.localCa.to.ruleGroup.update	
policy.localCa.update	
policy.mdm.audit.read	
policy.mdm.create	
policy.mdm.delete	
policy.mdm.read	
policy.mdm.to.ruleGroup.update	
policy.mdm.update	
policy.opaque.ios.audit.read	
policy.opaque.ios.create	

Field	Description
policy.opaque.ios.delete	
policy.opaque.ios.read	
policy.opaque.ios.to.ruleGroup.update	
policy.opaque.ios.update	
policy.org.info.setting.audit.read	
policy.org.info.setting.create	
policy.org.info.setting.delete	
policy.org.info.setting.read	
policy.org.info.setting.to.rule.group.update	
policy.org.info.setting.update	
policy.osx.restrictions.audit.read	
policy.osx.restrictions.create	
policy.osx.restrictions.delete	
policy.osx.restrictions.read	
policy.osx.restrictions.to.ruleGroup.update	
policy.osx.restrictions.update	
policy.passcode.audit.read	
policy.passcode.create	
policy.passcode.delete	
policy.passcode.read	
policy.passcode.to.ruleGroup.update	
policy.passcode.update	
policy.policy.audit.read	
policy.policy.create	
policy.policy.delete	
policy.policy.read	

Field	Description
policy.policy.to.ruleGroup.update	
policy.policy.update	
policy.privacy.audit.read	
policy.privacy.create	
policy.privacy.delete	
policy.privacy.read	
policy.privacy.to.ruleGroup.update	
policy.privacy.update	
policy.provisioningProfile.audit.read	
policy.provisioningProfile.create	
policy.provisioningProfile.delete	
policy.provisioningProfile.read	
policy.provisioningProfile.to.ruleGroup.update	
policy.provisioningProfile.update	
policy.read	
policy.restrictions.audit.read	
policy.restrictions.create	
policy.restrictions.delete	
policy.restrictions.read	
policy.restrictions.to.ruleGroup.update	
policy.restrictions.update	
policy.scep.audit.read	
policy.scep.create	
policy.scep.delete	
policy.scep.read	
policy.scep.to.ruleGroup.update	

Field	Description
policy.scep.update	
policy.sharepoint.audit.read	
policy.sharepoint.create	
policy.sharepoint.delete	
policy.sharepoint.read	
policy.sharepoint.to.ruleGroup.update	
policy.sharepoint.update	
policy.sso.account.audit.read	
policy.sso.account.create	
policy.sso.account.delete	
policy.sso.account.read	
policy.sso.account.to.ruleGroup.update	
policy.sso.account.update	
policy.subscribedCalendar.audit.read	
policy.subscribedCalendar.create	
policy.subscribedCalendar.delete	
policy.subscribedCalendar.read	
policy.subscribedCalendar.to.ruleGroup.update	
policy.subscribedCalendar.update	
policy.sync.audit.read	
policy.sync.create	
policy.sync.delete	
policy.sync.read	
policy.sync.to.ruleGroup.update	
policy.sync.update	
policy.telecom.settings.audit.read	

Field	Description
policy.telecom.settings.create	
policy.telecom.settings.delete	
policy.telecom.settings.read	
policy.telecom.settings.to.ruleGroup.update	
policy.telecom.settings.update	
policy.user.interface.settings.audit.read	
policy.user.interface.settings.create	
policy.user.interface.settings.delete	
policy.user.interface.settings.read	
policy.user.interface.settings.to.ruleGroup.update	
policy.user.interface.settings.update	
policy.vpn.audit.read	
policy.vpn.create	
policy.vpn.delete	
policy.vpn.ondemand.audit.read	
policy.vpn.ondemand.create	
policy.vpn.ondemand.delete	
policy.vpn.ondemand.read	
policy.vpn.ondemand.to.ruleGroup.update	
policy.vpn.ondemand.update	
policy.vpn.per.app.audit.read	
policy.vpn.per.app.create	
policy.vpn.per.app.delete	
policy.vpn.per.app.read	
policy.vpn.per.app.to.ruleGroup.update	
policy.vpn.per.app.update	

Field	Description
policy.vpn.read	
policy.vpn.to.ruleGroup.update	
policy.vpn.update	
policy.web.content.filter.audit.read	
policy.web.content.filter.create	
policy.web.content.filter.delete	
policy.web.content.filter.read	
policy.web.content.filter.to.ruleGroup.update	
policy.web.content.filter.update	
policy.webclip.audit.read	
policy.webclip.create	
policy.webclip.delete	
policy.webclip.read	
policy.webclip.to.ruleGroup.update	
policy.webclip.update	
policy.wifi.audit.read	
policy.wifi.create	
policy.wifi.delete	
policy.wifi.read	
policy.wifi.to.ruleGroup.update	
policy.wifi.update	
ruleGroup.create	
ruleGroup.delete	
ruleGroup.read	
ruleGroup.update	
tenantPermissionList	

Field	Description
account.create	
account.delete	
account.generate.pin	
account.invite.admin	
account.invite.enduser	
account.password.change	
account.password.reset	
account.permission.tenant.read	
account.preferences.change	
account.read	
account.send.message	
account.to.group.update	
account.to.role.update	
account.update	
accountGroup.create	
accountGroup.delete	
accountGroup.read	
accountGroup.to.account.update	
accountGroup.to.group.update	
accountGroup.to.role.update	
accountGroup.update	
accountRole.create	
accountRole.delete	
accountRole.read	
accountRole.to.account.update	
accountRole.to.group.update	

Field	Description
accountRole.to.permission.update	
accountRole.update	
alcor.create	
alcor.delete	
alcor.read	
alcor.update	
app.category.create	
app.category.delete	
app.category.read	
app.category.update	
app.search.googleplay	
app.search.itunes	
app.store.settings.read	
app.store.settings.update	
appstore.preview	
audit.account.read	
audit.accountGroup.read	
configurator.authtoken.create	
configurator.authtoken.delete	
configurator.authtoken.read	
configurator.plist.read	
content.category.create	
content.category.delete	
content.category.read	
content.category.update	
contentstore.preview	

Field	Description
device.register	
eula.tenant.accept	
eula.tenant.read	
ios.dep.device.disown	
ios.dep.profile.create	
ios.dep.profile.delete	
ios.dep.profile.read	
ios.dep.profile.update	
ios.dep.virtual.server.create	
ios.dep.virtual.server.delete	
ios.dep.virtual.server.read	
ios.dep.virtual.server.update	
kocab.create	
kocab.delete	
kocab.read	
kocab.update	
ldap.authenticate.user	
ldap.persist.group	
ldap.persist.organizationalUnit	
ldap.persist.user	
ldap.search.generic	
ldap.search.group	
ldap.search.organizationalUnit	
ldap.search.user	
ldap.server.create	
ldap.server.decouple.generic	

Field	Description
ldap.server.default.read	
ldap.server.delete	
ldap.server.persist.generic	
ldap.server.read	
ldap.server.sync	
ldap.server.test.connection	
ldap.server.update	
mdm.push.certificate.read	
mdm.push.certificate.update	
mdm.push.certificate.validate	
mdm.push.identity.export	
mdm.push.identity.update	
mdm.push.keypair.update	
mdm.push.plist.read	
mdm.status.update	
message.create	
message.delete	
message.read	
message.update	
mizar.create	
mizar.delete	
mizar.read	
mizar.update	
open.sfdc.support.case	
partition.content.create	
partition.content.read	

Field	Description
partition.content.update	
partition.device.create	
partition.device.delete	
partition.device.read	
partition.device.update	
policy.certificate.store.read.all	
policy.template.tenant.read	
report.metadata.read	
report.snapshot.read	
report.trending.read	
sfdc.oauth.profile.read	
sfdc.oauth.profile.update	
tenant.settings.read	
tenant.settings.update	
user.policy.device.limit.audit.read	
user.policy.device.limit.create	
user.policy.device.limit.delete	
user.policy.device.limit.read	
user.policy.device.limit.to.userGroup.update	
user.policy.device.limit.update	
user.policy.read	
user.policy.registration.auth.audit.read	
user.policy.registration.auth.create	
user.policy.registration.auth.delete	
user.policy.registration.auth.read	
user.policy.registration.auth.to.userGroup.update	

Field	Description
user.policy.registration.auth.update	
user.policy.terms.of.service.audit.read	
user.policy.terms.of.service.create	
user.policy.terms.of.service.delete	
user.policy.terms.of.service.read	
user.policy.terms.of.service.to.userGroup.update	
user.policy.terms.of.service.update	
utils.x509.fingerprint.read	
whitelabel.resource.tenant.read	
totalContentAllowed	How many content artifacts the tenant can store.
maximumContentSize	
totalDevicePartitionsAllowed	
cobrandingFooter	
whiteLabelKey	
whiteLabelProductName	
knowledgeBaseUrl	
supportTicketEnabled	
branch	
revision	
version	
connectorISOPath	
tenantGuid	
nobodyAccountId	
defaultDmPartitionId	
defaultCmPartitionId	

Field	Description
tenantSetupRequired	
eulaRequired	
welcomeVideoId	

Example Response

```
{
  "errors": null,
  "result": {
    "cmPermissionList": [
      "app.create",
      "app.delete",
      "app.distribution.read",
      "app.distribution.update",
      "app.rating.read",
      "app.rating.update",
      "app.read",
      "app.review.delete",
      "app.review.read",
      "app.review.update",
      "app.update",
      "audit.app.read",
      "audit.content.read",
      "content.create",
      "content.delete",
      "content.distribution.read",
      "content.distribution.update",
      "content.read",
      "content.update",
      "vpp.code.read",
      "vpp.code.update",
      "vpp.license.delete",
      "vpp.license.read",
      "vpp.license.sync",
      "vpp.license.update",
      "vpp.order.create",
      "vpp.order.delete",
      "vpp.order.read",
    ]
  }
}
```

```
    "vpp.order.update",
    "vpp.profile.create",
    "vpp.profile.read"
  ],
  "dmPermissionList": [
    "app.inventory.read",
    "ca.create",
    "ca.delete",
    "ca.issued.certficiate.read",
    "ca.issued.certficiate.revoke",
    "ca.read",
    "ca.update",
    "device.create",
    "device.delete",
    "device.exit.kiosk.mode",
    "device.force.checkin",
    "device.locate",
    "device.lock",
    "device.push.profile",
    "device.read",
    "device.retire",
    "device.retire.cancel",
    "device.send.message",
    "device.start.mirroring",
    "device.stop.mirroring",
    "device.unlock",
    "device.update",
    "device.wipe",
    "device.wipe.cancel",
    "mdm.queue.delete",
    "mdm.queue.read",
    "policy.aim.audit.read",
    "policy.aim.create",
    "policy.aim.delete",
    "policy.aim.read",
    "policy.aim.to.ruleGroup.update",
    "policy.aim.update",
    "policy.air.play.audit.read",
    "policy.air.play.create",
    "policy.air.play.delete",
    "policy.air.play.read",
```


"policy.air.play.to.ruleGroup.update",
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"report.metadata.read",  
"report.snapshot.read",  
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"tenant.settings.update",
```

```
"user.policy.device.limit.audit.read",
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"user.policy.device.limit.to.userGroup.update",
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"user.policy.googleApps.update",
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"user.policy.registration.auth.delete",
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"user.policy.registration.auth.to.userGroup.update",
"user.policy.registration.auth.update",
"user.policy.terms.of.service.audit.read",
"user.policy.terms.of.service.create",
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"user.policy.terms.of.service.read",
"user.policy.terms.of.service.to.userGroup.update",
"user.policy.terms.of.service.update",
"utils.x509.fingerprint.read",
"whitelabel.resource.tenant.read"
],
"licenseRestrictions": {
  "totalContentAllowed": 25,
  "maximumContentFileSize": 2000000,
  "totalDevicePartitionsAllowed": 5
},
"cobrandingFooter": false,
"whiteLabelKey": "mobileiron",
"whiteLabelProductName": "Cloud",
"knowledgeBaseUrl": null,
"supportTicketEnabled": true,
"webAppVersion": {
  "branch": "origin/master",
  "revision": "9e99b6ad3f7de2a7e988ab8a0d688e09392a5343",
```

```
        "version": "2.7.0.605"
    },
    "connectorISOPath": "https://support.mobileiron.com/cloud-connector/current/connector-LATEST.zip",
    "alcorISOPath": "https://support.mobileiron.com/cloud-sentry/current/sentry-cloud-LATEST.iso",
    "tenantGuid": "df2eec7e-a349-4e72-ac03-4aafdc7b2856",
    "nobodyAccountId": 10000,
    "defaultDmPartitionId": 23000,
    "defaultCmPartitionId": 20000,
    "tenantSetupRequired": false,
    "eulaRequired": true,
    "welcomeVideoId": "WaeYg5dVveA"
}
}
```

Get Device Spaces

This call lists all device spaces in the current tenant.

Authentication

This call requires Tenant Admin credentials

HTTP Method

GET

Request URI

/api/v1/tenant/partition/device

Example Request

https://[Ivanti Neurons for MDM]/api/v1/tenant/partition/device

Response Fields

Field	Description
errors	Indicates whether there were errors.
result	Container for retrieved results.
totalCount	Describes how many rows were found.
queryTime	Describes how long the query took to execute.
searchResults	Container for results details.
id	Space ID.
createdAt	When created.
createdBy	Who created it.
modifiedAt	When modified.
modifiedBy	Who modified it.
name	Name of the space.
description	Description of the space.
domainRule	
defaultPartition	Indicates whether this is the default space. 1 for yes, 0 for no.
priority	
treeView	
deviceCount	Indicates how many devices are assigned to this space.
configurationCount	
policyCount	Lists how many policies apply to this space.
deviceGroupCount	Lists how many device groups are assigned to this space.
offset	Lists the offset in retrieved rows.
limit	Lists how many rows to which the query is limited.

Example Response

```
{
```

```
"errors": null,
"result": {
  "totalCount": 1,
  "queryTime": 0,
  "searchResults": [
    {
      "id": 23000,
      "createdAt": 1415047963288,
      "createdBy": 1,
      "modifiedAt": 1415047963288,
      "modifiedBy": null,
      "name": "Default Partition",
      "description": "Default device management partition.",
      "domainRule": null,
      "defaultPartition": true,
      "priority": 1,
      "treeView": null,
      "deviceCount": 0,
      "configurationCount": 13,
      "policyCount": 4,
      "deviceGroupCount": 4
    }
  ],
  "offset": 0,
  "limit": 50
}
}
```

Get current license information

This call returns current tenant license information.

Authentication

This call requires Tenant Admin credentials

HTTP Method

GET

Request URI

/api/v1/tenant/license/usage

Example Request

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/tenant/license/usage' \  
--header 'Accept: application/json, text/plain, */*' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Basic <token>'
```

Example Response

```
{  
  "errors": null,  
  "result": {  
    "billingType": "SUBSCRIPTION",  
    "licenseSkus": [  
      "PLATINUM"  
    ],  
    "displayName": "Platinum",  
    "licenseType": "DEVICE",  
    "perSeatDenominator": 1,  
    "licenseStatus": "ACTIVATED",  
    "startDate": 1647296747613,  
    "durationInDays": 365,  
    "upgradeRequestAt": 1614365759810,  
    "licenseTerm": {  
      "softLimit": 200,  
      "hardLimit": 0,  
      "currentUsage": 109  
    },  
    "accountTerm": {  
      "softLimit": 0,  
      "hardLimit": 0,  
      "currentUsage": 49645  
    },  
    "contentTerm": {  
      "softLimit": 0,  
      "hardLimit": 50,  
      "currentUsage": 12  
    },  
    "activeDeviceCount": 109,  
    "trial": true  
  }  
}
```


Apps API Calls

All api operations in this chapter apply to the default space only.

Search for Google Play Apps

This call searches for Google Play apps as part of the add app process.

Authentication

This call requires Tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/app/googleplay

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The tenant's content space ID. You can get this value by issuing the GET /api/v1/metadata/tenant call.	23000
q	Path	What to find.	outlook
rows	Path	How many rows to return Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34.	100

Example Request

https://[Ivanti Neurons for MDM]/api/v1/app/googleplay?cmPartitionId=20003&q=outlook&rows=100

Response Fields

Field	Description
name	Name of retrieved app.
platformAppId	ID of app on target platform.
iconUrl	URL to the icon.
imported	
currency	
cost	Cost of the app.
shortDescription	Short description of the app.
category	Category of the app.
categoryDisplay	

Example Response

```
{
  "errors":null,
  "result":[
    {
      "name":"Outlook.com",
      "platformAppId":"com.outlook.Z7",
      "iconUrl":"https://lh6.ggpht.com/qb3BZINK7-uaYQ3RsdMk3sVDfWVCSRDiiIGnJRq-UTuyZlyv5k_9-imprqUPBBZ6xkEg=w170",
      "imported":false,
      "currency":null,
      "cost":0.0,
      "shortDescription":"The Official Microsoft Outlook.com app gives you the best mobile experience for your Outlook.com account.Sign in using your existing Microsoft account, which is usually your Outlook.com email address and password. With the Outlook.com app, you can:- Get emails right away with push notifications - Sync Outlook.com Calendar and Contacts with your device- View and sync folders and sub-folders- Choose from 8 different color themes to personalize your experience.- Group your email conversations with Conversation Threading- Utilize server-side search for easy finding through all your history of emails. - Sync multiple Outlook.com accounts and send email from aliases \tTips and tricks- Change the color theme on the app settings menu by selecting General, and then Theme color.- Filter your emails (all, unread or flagged) by selecting Inbox in the top menu.- Switch accounts or access your folders and sub-folders by selecting the top left menu. - Choose which folders automatically sync from the app settings menu by selecting Sync, Folders, and then the folders you want to sync.",
      "category":null,

```

```
        "categoryDisplay":null
      },
      ...
    ]
  }
}
```

Get Google Play App Info by Bundle ID

This call gets Google Play app info by Bundle ID.

Authentication

This call requires Tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/app/googleplay/appBundleID

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The tenant's content space ID. You can get this value by issuing the GET /api/v1/metadata/tenant call.	23000
appBundleID	Path	The app bundle ID	outlook

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/app/googleplay/com.outlook.Z7?cmPartitionId=20003
```

Response Fields

Field	Description
errors	
result	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
platformAppId	
platformType	
appType	
appStoreId	
cmPartitionId	
itComments	
developerName	
enableRatings	
enableReviews	
categories	
id	
name	
defaultManagementFlag	
vppLicenseStatus	
statusType	
available	

Field	Description
associated	
totalLicenseCount	
name	
iconUrl	
versions	
name	
featuredStatus	
primaryVersion	
secondaryVersion	
displayVersion	
minOsVersion	
applicationVersionId	
size	
distributionCount	
iconUrl	
description	
whatsNew	
currency	
cost	
deviceFamily	
phoneScreenshotUrls	
key	
url	

Field	Description
orientation	
height	
width	
key	
url	
orientation	
height	
width	
key	
url	
orientation	
height	
width	
key	
url	
orientation	
height	
width	
key	
url	
orientation	
height	
width	

Field	Description
padScreenshotUrls	
iosSupportedDevices	
iosUniversal	
avgRating	
bannerSettings	

Example Response

```
{
  "errors": null,
  "result": {
    "id": null,
    "createdAt": null,
    "createdBy": null,
    "modifiedAt": null,
    "modifiedBy": null,
    "platformAppId": "com.outlook.Z7",
    "platformType": "ANDROID",
    "appType": "PUBLIC",
    "appStoreId": null,
    "cmPartitionId": 0,
    "itComments": null,
    "developerName": null,
    "enableRatings": true,
    "enableReviews": true,
    "categories": [
      {
        "id": null,
        "name": "Communication"
      }
    ],
    "defaultManagementFlag": "REMOVE_APP_WITH_MDM_REMOVAL",
    "vppLicenseStatus": {
      "statusType": "NONE",
      "available": 0,

```



```

    "associated": 0,
    "totalLicenseCount": 0
  },
  "name": "Outlook.com",
  "iconUrl": "https://lh6.ggpht.com/qb3BZINk7-uaYQ3RsdMk3sVdfWVCSRDIiIGnJRq-
UTuyZlyv5k_9-imprqUPBBZ6xkEg=w300",
  "versions": [
    {
      "name": "Outlook.com",
      "featuredStatus": "NONE",
      "primaryVersion": null,
      "secondaryVersion": null,
      "displayVersion": "7.8.2.12.49.2176",
      "minOsVersion": "7.7.2.11.49.2176",
      "applicationVersionId": 0,
      "size": 7235174,
      "distributionCount": null,
      "iconUrl": "https://lh6.ggpht.com/qb3BZINk7-uaYQ3RsdMk3sVdfWVCSRDIiIGnJRq-
UTuyZlyv5k_9-imprqUPBBZ6xkEg=w300",
      "description": "The Official Microsoft Outlook.com app gives you the best mobile
experience for your Outlook.com account.<br>Sign in using your existing Microsoft
account, which is usually your Outlook.com email address and password. <p>With the
Outlook.com app, you can:</p>
<p>- Get emails right away with push notifications <br>- Sync Outlook.com Calendar and
Contacts with your device<br>- View and sync folders and sub-folders<br>- Choose from 8
different color themes to personalize your experience.<br>- Group your email
conversations with Conversation Threading<br>- Utilize server-side search for easy
finding through all your history of emails. <br>- Sync multiple Outlook.com accounts and
send email from aliases </p>
<p>Tips and tricks</p>
<p>- Change the color theme on the app settings menu by selecting General, and then
Theme color.<br>- Filter your emails (all, unread or flagged) by selecting Inbox in the
top menu.<br>- Switch accounts or access your folders and sub-folders by selecting the
top left menu. <br>- Choose which folders automatically sync from the app settings menu
by selecting Sync, Folders, and then the folders you want to sync.</p>",
      "whatsNew": "New in this version:- Server-side search for easy access to all
email, not just the ones synced to your phone- Unlimited sync of all email history for
full off-line access- Capability to send emails from Outlook.com aliases- Eight new
colors to customize the app interface- Ability to set and manage vacation replies-
Traditional Chinese language support",
      "currency": null,
      "cost": 0,
      "deviceFamily": null,
      "phoneScreenshotUrls": [
        {
          "key": null,

```

```
        "url":
"https://lh6.ggpht.com/63hoSU27LSmMmTCjU0sYpljb3wm0ShWMEfL1iumDwuGBwHR-
axYkJ3RxHqZ8Xl9D0FE=h900",
        "orientation": null,
        "height": 0,
        "width": 0
    },
    {
        "key": null,
        "url": "https://lh5.ggpht.com/EkXogB3c5m1fBkosb9Ti_Ko5W0wn5J-9T_
t5kTOgN5Dc6lYSITLDzRnriWri3CuCeg=h900",
        "orientation": null,
        "height": 0,
        "width": 0
    },
    {
        "key": null,
        "url": "https://lh4.ggpht.com/w96J8ej5Y6sfm0ZM3YjvUFSA2WuyAOFllXaoqnRgT5_
rPEdHP0UAt-jI_ZTT0iEPS6c=h900",
        "orientation": null,
        "height": 0,
        "width": 0
    },
    {
        "key": null,
        "url": "https://lh3.ggpht.com/TEQFw0NslkgKytftUt_xpPDRsvMi32O6lZr_
3SzLpK7ZCB8wEhGG-yz5-SmQX7aD3yZU=h900",
        "orientation": null,
        "height": 0,
        "width": 0
    },
    {
        "key": null,
        "url": "https://lh4.ggpht.com/Ny3_B-UKmS_-
wpAvzC7vQP0e4DN8Rj5zDQbEKvhFTfOdr1jaV2CJo3NbbtYY4s_ZDLE=h900",
        "orientation": null,
        "height": 0,
        "width": 0
    }
],
"padScreenshotUrls": null,
"iosSupportedDevices": null,
"iosUniversal": false,
```

```

    "avgRating": null,
    "bannerSettings": null
  }
]
}
}

```

Search for iTunes Apps

This call searches for iTunes apps as part of the add app process.

Authentication

This call requires Tenant admin credentials.

HTTP Method

GET

Request URI

api/v2/app/itunes

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The tenant's content space ID. You can get this value by issuing the GET /api/v1/metadata/tenant call.	20000
countryCode	Path	The country code of the target iTunes app store.	US
q	Path	What to find.	outlook
rows	Path	How many rows to return. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34 .	100

Example Request

```
https://[Ivanti Neurons for  
MDM]/api/v2/app/itunes?q=outlook&cmPartitionId=20000&countryCode=US
```

Response Fields

Field	Description
errors	
result	
name	
developerName	
version	
size	
appStoreId	
iconUrl	
universal	
imported	
bundleId	
deviceFamily	

Example Response

```
{  
  "errors": null,  
  "result": [  
    {  
      "name": "Outlook",  
      "developerName": "Magzter Inc.",  
      "version": "6.10",  
      "size": 20834304,  
      "appStoreId": 486362804,  
      "iconUrl":  
      "http://is5.mzstatic.com/image/thumb/Purple111/v4/61/42/26/614226e3-aa0b-105d-6e0c-  
      ealfd8e99b3f/mzl.tlzgvxkf.png/0x0ss-85.jpg",  
      "universal": true,  
    }  
  ]  
}
```

```
        "imported": false,  
        "bundleId": "com.dci.outlook",  
        "deviceFamily": "ALL"  
    },  
    ...  
    ]  
}
```

Get iTunes App Info by appStoreId

This call gets iTunes app info by appStoreId.

Authentication

This call requires Tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/app/itunes/appStoreId

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The tenant's content space ID. You can get this value by issuing the GET /api/v1/metadata/tenant call.	23000
appStoreId		The app bundle ID	outlook

Example Request

https://[Ivanti Neurons for MDM]/api/v1/app/itunes/428974099?cmPartitionId=20003

Response Fields

Field	Description
errors	
result	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
platformAppId	
platformType	
appType	
appStoreId	
cmPartitionId	
itComments	
developerName	
enableRatings	
enableReviews	
categories	
id	
name	
id	
name	
defaultManagementFlag	
vppLicenseStatus	
statusType	
available	
associated	

Field	Description
totalLicenseCount	
name	
iconUrl	
versions	
name	
featuredStatus	
primaryVersion	
secondaryVersion	
displayVersion	<p>Note: As of Ivanti Neurons for MDM 70, the displayVersion value matches the secondaryVersion value for iOS apps.</p> <pre> displayVersion: "12.2.0" distributionCount: null iconUrl: "https://epbyminw049b.mobileiron.com installType: "NATIVE" iosSupportedDevices: [] iosUniversal: true launchUrl: null multiPkgDetails: null name: "MobileIron" overrideUrl: null padScreenshotUrls: [] phoneScreenshotUrls: [] prerequisiteAppCount: 0 prerequisiteAppVersionIds: [] primaryVersion: "12200000.1419" provisioningProfileExpiration: 1616262879000 reputationEnabled: false secondaryVersion: "12.2.0" </pre>
minOsVersion	
applicationVersionId	

Field	Description
size	
distributionCount	
iconUrl	
description	
whatsNew	
currency	
cost	
deviceFamily	
phoneScreenshotUrls	
key	
url	
orientation	
height	
width	
padScreenshotUrls	
key	
url	
orientation	
height	
width	
iosSupportedDevices	
iPadThirdGen	
iPadFourthGen	
iPadMini	
iPadFourthGen4G	
iPhone4S	

Field	Description
iPodTouchFifthGen	
iPadMini4G	
iPhone5	
iPad23G	
iPhone5c	
iPadThirdGen4G	
iPad2Wifi	
iPodTouchourthGen	
iPhone-3GS	
iPhone4	
iPhone5s	
iosUniversal	
avgRating	
bannerSettings	

Example Response

```
{
  "errors": null,
  "result": {
    "id": null,
    "createdAt": null,
    "createdBy": null,
    "modifiedAt": null,
    "modifiedBy": null,
    "platformAppId": "com.mspecht.OWA",
    "platformType": "IOS",
    "appType": "PUBLIC",
    "appStoreId": 428974099,
    "cmPartitionId": 0,
    "itComments": null,
    "developerName": "iKonic Apps LLC",
    "enableRatings": true,
  }
}
```

```

"enableReviews": true,
"categories": [
  {
    "id": 15649,
    "name": "Utilities"
  },
  {
    "id": 15049,
    "name": "Business"
  }
],
"defaultManagementFlag": "REMOVE_APP_WITH_MDM_REMOVAL",
"vppLicenseStatus": {
  "statusType": "NONE",
  "available": 0,
  "associated": 0,
  "totalLicenseCount": 0
},
"name": "Mail+ for Outlook",
"iconUrl": "http://a1573.phobos.apple.com/us/r30/Purple6/v4/17/05/54/1705547c-2fda-705b-ead9-c94c8e0af0b6/Icon.png",
"versions": [
  {
    "name": "Mail+ for Outlook",
    "featuredStatus": "NONE",
    "primaryVersion": null,
    "secondaryVersion": null,
    "displayVersion": "3.4.5",
    "minOsVersion": "2.3.5",
    "applicationVersionId": 0,
    "size": 26500184,
    "distributionCount": null,
    "iconUrl": "http://a1573.phobos.apple.com/us/r30/Purple6/v4/17/05/54/1705547c-2fda-705b-ead9-c94c8e0af0b6/Icon.png",
    "description": "#####
- Securely access Outlook Email and Calendar
- TOP 5 business apps for last 12 months
- #1 Outlook/Exchange Email App
#####

```

Read and compose Outlook emails and manage your calendar directly from any iOS device. No more using the web browser to access your Outlook account!

MULTIPLE ACCOUNTS now included. Access multiple mailboxes and calendars. Great for quickly combining all of your email addresses.

(Exchange 2013, 2010, 2007, 2003

Office 365 business, Gmail, Outlook.com, Yahoo, AOL, and more)

-Read and reply to all Outlook email (includes subfolders)

-Open and forward attachments

-Compatible with PDF, XLS, DOC, JPG files

- Rich HTML Text Editing

- Out of Office

- Scheduling Assistant

-View, create calendar events (and reminders)

-Search Exchange Global Address Book

-Access contact details (name, tile, phone)

-Landscape mode (great for iPad)

-User-friendly design with easy navigation

-Excellent customer support

-Signature feature available

-Passcode protection for extra security

-Secure login

-Works on iPhone, iPad over 3G or WiFi

-Connect to Microsoft Exchange 2003, 2007, 2010

-Compatible with Microsoft Office 365, Gmail, Outlook.com, Yahoo, AOL

Connect with us!

<http://www.mailplusapp.com>

<http://www.twitter.com/mailplusapp>

<http://www.mailplusapp.com/news>

<http://www.facebook.com/mailplusapp>

Outlook is a registered trademark of Microsoft Corporation. This application has been developed by a third party developer and is not endorsed, tested, or associated with Microsoft Corporation."

"whatsNew": null,

"currency": "USD",

"cost": 5.99,

```
"deviceFamily": "ALL",
"phoneScreenshotUrls": [
  {
    "key": null,
    "url": "http://a3.mzstatic.com/us/r30/Purple/v4/3c/2c/0c/3c2c0c56-8d74-18af-2069-a94dfdd6c4ab/screen1136x1136.jpeg",
    "orientation": null,
    "height": 0,
    "width": 0
  },
  {
    "key": null,
    "url": "http://a1.mzstatic.com/us/r30/Purple4/v4/0c/73/50/0c735004-78ac-2beb-8f3e-c4aa6afc22df/screen1136x1136.jpeg",
    "orientation": null,
    "height": 0,
    "width": 0
  },
  {
    "key": null,
    "url": "http://a5.mzstatic.com/us/r30/Purple/v4/e6/a5/a0/e6a5a041-a3f7-9b0f-8df4-1d61c1040782/screen1136x1136.jpeg",
    "orientation": null,
    "height": 0,
    "width": 0
  },
  {
    "key": null,
    "url": "http://a3.mzstatic.com/us/r30/Purple6/v4/3c/1c/ea/3c1ceae0-9f0f-1a63-4bdc-e9bdc300abb7/screen1136x1136.jpeg",
    "orientation": null,
    "height": 0,
    "width": 0
  },
  {
    "key": null,
    "url": "http://a2.mzstatic.com/us/r30/Purple6/v4/b7/a3/7f/b7a37f8e-cad0-dcd0-e0d3-6df20c7dcb78/screen1136x1136.jpeg",
    "orientation": null,
    "height": 0,
    "width": 0
  }
],
```

```
"padScreenshotUrls": [  
  {  
    "key": null,  
    "url": "http://a2.mzstatic.com/us/r30/Purple6/v4/49/33/94/493394aa-0708-  
a008-09a1-5abc7542281f/screen480x480.jpeg",  
    "orientation": null,  
    "height": 0,  
    "width": 0  
  },  
  {  
    "key": null,  
    "url": "http://a3.mzstatic.com/us/r30/Purple6/v4/f4/73/62/f47362a3-9c79-  
2580-006a-aafeb996b45b/screen480x480.jpeg",  
    "orientation": null,  
    "height": 0,  
    "width": 0  
  },  
  {  
    "key": null,  
    "url": "http://a1.mzstatic.com/us/r30/Purple/v4/6d/6c/c5/6d6cc5f2-2af7-46c4-  
0889-62d6ae62b42c/screen480x480.jpeg",  
    "orientation": null,  
    "height": 0,  
    "width": 0  
  },  
  {  
    "key": null,  
    "url": "http://a3.mzstatic.com/us/r30/Purple6/v4/73/8c/68/738c6894-5a25-  
02ed-938c-0b800582223c/screen480x480.jpeg",  
    "orientation": null,  
    "height": 0,  
    "width": 0  
  },  
  {  
    "key": null,  
    "url": "http://a1.mzstatic.com/us/r30/Purple4/v4/8d/51/2f/8d512f30-147d-  
0d38-b785-d4ae8c9d86a1/screen480x480.jpeg",  
    "orientation": null,  
    "height": 0,  
    "width": 0  
  }  
],  
"iosSupportedDevices": [  

```

```
        "iPadThirdGen",
        "iPadFourthGen",
        "iPadMini",
        "iPadFourthGen4G",
        "iPhone4S",
        "iPodTouchFifthGen",
        "iPadMini4G",
        "iPhone5",
        "iPad23G",
        "iPhone5c",
        "iPadThirdGen4G",
        "iPad2Wifi",
        "iPodTouchourthGen",
        "iPhone-3GS",
        "iPhone4",
        "iPhone5s"
    ],
    "iosUniversal": true,
    "avgRating": null,
    "bannerSettings": null
}
]
```

Get Application Inventory for a Particular Device

This call gets a list of all applications installed on a particular device.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/app/inventory?q=&rows=rows&start=start&dmPartitionId= dmPartitionId &deviceId= deviceId&facetFq=+INSTALLTYPE+!%3D+%27SYSTEM_APP%27+AND+INSTALLTYPE+!%3D+%27UPDATED_SYSTEM_APP%27+&sortFields%5B0%5D.name=name

Request Parameters

Parameter	Argument Type	Description	Example Value
rows	Query string	How many rows to return per page. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34 .	20
start	Query string	Where in the return set to start displaying values.	0
dmPartitionId	Query string	The device space ID.	23003
deviceId	Query string	The device ID.	126632
facetFq	Query string	The search string. The value is: URL Encoded: +INSTALLTYPE+!%3D+%27SYSTEM_APP%27+AND+INSTALLTYPE+!%3D+%27UPDATED_SYSTEM_APP%27+&sortFields%5B0%5D.name=name&sortFields%5B0%5D.order=ASC URL Unencoded: INSTALLTYPE !%3D %27SYSTEM_APP%27 AND INSTALLTYPE !%3D %27UPDATED_SYSTEM_APP%27 &sortFields%5B0%5D.name=name&sortFields%5B0%5D.order=ASC	

Example Request

```
https://[Ivanti Neurons for  
MDM]/api/v1/app/inventory?q=&rows=20&start=0&dmPartitionId=67730&deviceId=87178&1f7a8cetFq  
=+INSTALLTYPE+!"%3D+%27SYSTEM_APP"%27+AND+INSTALLTYPE+!"%3D+%27UPDATED_  
SYSTEM_APP"%27+&sortFields"%5B0"%5D.name=name&sortFields"%5B0"%5D.order=ASC
```

Response Fields

Field	Description
errors	Describes whether there was an error
result	Container for the results.
searchResults	Container for search results
deviceId	The device ID
mdmChannelId	
name	Name of the app
identifier	App identifier
version	App version
displayVersion	Vesion as displayed
bundleSize	13631488
appType	Kind of app this is. Can be public or in-house.
platformType	Platform type. Can be android or IOS.
appConnectConfigState	
appConnectConfigStateMessage	
appStoreId	
iconUrl	URL to the app icon

Field	Description
licenseId	
licenseStatus	
assignedAt	
revokedAt	
accountId	
distributionType	
vulnerable	
reputationEnabled	
winSupportedArchitectures	
appVersionId	
managed	true or false. Indicates whether the app is managed.

Field	Description
installedAt	The installation date of the current application version when the app has been installed and was discovered as a new app in an inventory checkin report. The value for iOS MAM Only apps is the time that the app was requested to be installed or requested to be updated. In cases where the privacy policy changed from the Ivanti app store only to all apps on the device, the value is the date when the privacy policy changed to allow viewing of the non-MobleIron store apps.

Field	Description
threatScore	
exclusion	
totalCount	How many applications are installed
offset	How many records to skip when displaying
limit	How many records to get

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "deviceId": 87178,
        "mdmChannelId": "147e5d5c-1734-47b1-8ae9-53b49b96c7cd",
        "name": "_ _",
        "identifier": "com.sm.keyslide",
        "version": "2",
        "displayVersion": "1.2",
        "bundleSize": 67112960,
        "appType": "PUBLIC",
        "platformType": "IOS",
        "appConnectConfigState": null,
        "appConnectConfigStateMessage": null,
        "appStoreId": "1315674869",
        "iconUrl": "https://isl-ssl.mzstatic.com/image/thumb/Purple118/v4/16/f7/1e/16f71e3c-cad7-8c85-3ca4-68d7e4fc6eca/source/60x60bb.jpg",
        "bgColor": null,
        "androidAppInstallLocation": "UNKNOWN",
        "licenseId": 0,
        "licenseStatus": null,
        "vppProfileId": 0,
        "vppProfileName": null,
        "assignedAt": null,
        "revokedAt": null,
        "accountId": 0,
        "distributionType": null,
        "vulnerable": false,

```

```
        "reputationEnabled": false,  
        "winSupportedArchitectures": null,  
        "appVersionId": 0,  
        "managed": false,  
        "installedAt": null,  
        "threatScore": 0,  
        "exclusion": false  
    },  
    ...  
],  
"totalCount": 12,  
"offset": 0,  
"limit": 20  
}  
}
```

Get the List of Applications Available to a Particular User

This call produces a list of all applications available to a specific user.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/app/user/accountId

Request Parameters

Parameter	Argument Type	Description	Example Value
accountId	Path	Account ID.	10009

Example Request

https://[Ivanti Neurons for MDM]/api/v1/app/user/10009

Response Fields

Field	Description
errors	
result	
totalCount	
queryTime	
searchResults	
applicationVersionId	
platformType	
bundleId	
name	
whatsNew	
displayVersion	
iconUrl	
iconDataUri	
appStoreId	
appDetailUrl	
categories	
Productivity	
Business	
appType	
deviceFamily	
iosUniversal	
featuredStatus	
free	
installed	
updateAvailable	
cost	

Field	Description
currency	
size	
description	
installUrl	
managedAppInstall	
vppState	
vppInvitationUrl	
createdAt	
modifiedAt	
developerName	
averageRating	
ratingCount	
reinstallAsManaged	
reviewDetailUrl	
reviewListUrl	
phoneScreenshotUrls	
cdnGuid	
url	
orientation	
height	
width	
tabletScreenshotUrls	
cdnGuid	
url	
orientation	
height	

Field	Description
width	
firstReview	
offset	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 20,
    "queryTime": 0,
    "searchResults": [
      {
        "applicationVersionId": 18437,
        "platformType": "IOS",
        "bundleId": "com.adobe.Adobe-Reader",
        "name": "Adobe Reader",
        "whatsNew": "- iPhone 6, iPhone 6 Plus, and iOS 8 support",
        "displayVersion": "11.6.3",
        "iconUrl": "http://a1.mzstatic.com/us/r30/Purple5/v4/f9/8d/29/f98d2963-f467-eb5c-af47-b8a904320320/Icon-57.png",
        "iconDataUri": null,
        "appStoreId": 469337564,
        "appDetailUrl": null,
        "categories": [
          "Productivity",
          "Business"
        ],
        "appType": "PUBLIC",
        "deviceFamily": "ALL",
        "iosUniversal": true,
        "featuredStatus": "FEATURED_BANNER",
        "free": true,
        "installed": false,
        "updateAvailable": false,
        "cost": 0,
        "currency": "USD",
        "size": 11823052,
      }
    ]
  }
}
```

"description": "Adobe Reader is the free, trusted leader for reliably viewing and interacting with PDFs on your iPad, iPhone, and iPod touch.

VIEW PDFs

- Quickly open PDF documents from email, the web, or any app that supports "Open In..."
- Search, scroll, zoom in and out
- Choose Single Page or Continuous Scroll mode
- Use Night mode and Brightness Lock for ease of reading

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```

    "installUrl": null,
    "managedAppInstall": false,
    "vppState": "NOT_APPLICABLE",
    "vppInvitationUrl": null,
    "createdAt": 1391639730639,
    "modifiedAt": 1391639730639,
    "developerName": "Adobe",
    "averageRating": null,
    "ratingCount": 0,
    "reinstallAsManaged": false,
    "reviewDetailUrl": null,
    "reviewListUrl": null,
    "phoneScreenshotUrls": [
      {
        "cdnGuid": null,
        "url":
"http://a3.mzstatic.com/us/r30/Purple1/v4/f3/f3/79/f3f37907-74fe-3de1-858d-6a737eb1872d/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 334
      },
      {
        "cdnGuid": null,
        "url":
"http://a2.mzstatic.com/us/r30/Purple3/v4/7a/16/ac/7a16ac44-b72d-19d4-2c95-7a4b2976b822/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 334
      },
      {

```

```
        "cdnGuid": null,
        "url":
"http://a1.mzstatic.com/us/r30/Purple5/v4/1a/cc/6a/1acc6a6a-7bb8-8deb-7710-
077306d9b96a/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 334
    },
    {
        "cdnGuid": null,
        "url":
"http://a4.mzstatic.com/us/r30/Purple1/v4/48/00/07/4800070d-2aaa-7ee0-6a91-
8cfd4c59b830/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 334
    }
],
"tabletScreenshotUrls": [
    {
        "cdnGuid": null,
        "url":
"http://a2.mzstatic.com/us/r30/Purple3/v4/70/95/61/7095615b-6bbb-03b8-66c3-
a515fdf5d932/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 367
    },
    {
        "cdnGuid": null,
        "url":
"http://a1.mzstatic.com/us/r30/Purple5/v4/45/29/b1/4529b1e0-6e7c-9644-f0ad-
5ebf4edde026/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 367
    },
    {
        "cdnGuid": null,
        "url":
"http://a3.mzstatic.com/us/r30/Purple3/v4/d6/92/fc/d692fca9-f1d9-427d-5212-
dac3b40c3729/screen480x480.jpeg",
        "orientation": "PORTRAIT",
        "height": 480,
        "width": 367
    }
]
```

```

        },
        {
            "cdnGuid": null,
            "url":
"http://a2.mzstatic.com/us/r30/Purple3/v4/df/ca/64/dfca6440-e1ab-1936-c2e1-
2e0ef22ec611/screen480x480.jpeg",
            "orientation": "PORTRAIT",
            "height": 480,
            "width": 360
        }
    ],
    "firstReview": false
},
...
],
"offset": 0
}
}

    "vulnerable": false,
    "reputationEnabled": false,
    "winSupportedArchitectures": null,
    "appVersionId": 0,
    "managed": false,
    "installedAt": null,
    "threatScore": 0,
    "exclusion": false
},
...
],
"totalCount": 12,
"offset": 0,
"limit": 20
}
}

```

Get the List of Applications Available to a Particular Device

This call produces a list of all applications available to a specific device.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/app/device/deviceId

Request Parameters

Parameter	Argument Type	Description	Example Value
deviceId	Path	Device ID.	144334

Example Request

```
curl --location 'https://[Ivanti Neurons for MDM]/api/v1/app/device/144334' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Basic <token>'
```

Response Fields

Field	Description
errors	
result	Container for the results.
searchResults	Container for the found apps results.
applicationVersionId	
platformType	
bundleId	
name	
whatsNew	
displayVersion	
iconUrl	

Field	Description
bgColor	
iconDataUri	
appStoreId	
appDetailUrl	
categories	
appType	
deviceFamily	
iosUniversal	
featuredStatus	
free	
installed	
updateAvailable	
cost	
currency	
size	
description	
installUrl	
androidAppInstallType	
managedAppInstall	
vppState	
vppInvitationUrl	
createdAt	
modifiedAt	
developerName	
averageRating	

Field	Description
ratingCount	
reinstallAsManaged	
reviewDetailUrl	
reviewListUrl	
prepaid	
requestedAppUrl	
hasPrerequisites	
prerequisites	
appDeviceState	Contains the installation state, including the reason for any installation error.
phoneScreenshotUrls	
tabletScreenshotUrls	
itComments	
customAttributes	
firstReview	
totalCount	
offset	
limit	

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "applicationVersionId": 211531,
        "platformType": "ANDROID",
        "bundleId": "notizen.bloc.notes.notas.notepad.notatnik.note",
        "name": "ClearNote",
        "whatsNew": "",
        "displayVersion": "1.4.3",
      }
    ]
  }
}
```

```
"iconUrl": "https://dhufqvfidrf46.cloudfront.net/f2c/a3a/f2ca",
"bgColor": null,
"iconDataUri": null,
"appStoreId": null,
"appDetailUrl": null,
"categories": [
  "B1"
],
"appType": "IN_HOUSE",
"deviceFamily": "ALL",
"iosUniversal": false,
"featuredStatus": "NONE",
"free": true,
"installed": false,
"updateAvailable": false,
"cost": null,
"currency": null,
"size": 7940389,
"description": "",
"installUrl": null,
"androidAppInstallType": null,
"managedAppInstall": false,
"vppState": "NOT_APPLICABLE",
"vppInvitationUrl": null,
"createdAt": 1621579962142,
"modifiedAt": 1638862232294,
"developerName": "",
"averageRating": null,
"ratingCount": 0,
"reinstallAsManaged": false,
"reviewDetailUrl": null,
"reviewListUrl": null,
"prepaid": false,
"requestedAppUrl": null,
"hasPrerequisites": false,
"prerequisites": [],
"appDeviceState": "Not Installed",
"phoneScreenshotUrls": [],
"tabletScreenshotUrls": [],
"itComments": null,
"customAttributes": null,
"firstReview": false
}
...
],
"totalCount": 9,
"offset": 0,
"limit": 50
}
}
```

List Devices with a Specific App in its App Inventory

This call gets a list of devices with a specific app in its app inventory. For example, you may need to find all of the devices which have version 303 of the email app in their app inventory.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

```
/api/v1/device?fq=version='n' AND bundleId='id'&type=APP_
INVENTORY&platformType=type&dmPartitionId=id
```

Request Parameters

Parameter	Argument Type	Description	Example Value
version	Path	The version of the app to find. Can be a list of versions with OR operators, for example, unencoded: (version='19' OR version='11' OR version='17' OR version='12' OR version='13').	version='303'
bundleId	Path	The bundle ID of the target app.	bundleId='com.android.mi.email'
platformType	Path	The platform type of the app. IOS or ANDROID.	ANDROID
type	Path	Type of app to find.	type=APP_INVENTORY
dmPartitionId	Path	Target device space ID.	dmPartitionId=23003
rows	Path	How many rows to return in the query. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34 .	50
start	Path	Where in the results set to start displaying the rows.	0

Example Request

URL Encoded:

```
https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=50&start=0&fq=version%3D%27303%27+AND+bundleId%3D%27com.android.mi.email%27&type=APP_INVENTORY&platformType=ANDROID&dmPartitionId=23003
```

Unencoded:

```
https://[Ivanti Neurons for MDM]/api/v1/device?q=&rows=50&start=0&fq=version='303' AND  
bundleId='com.android.mi.email'&type=APP_INVENTORY
```

Response Fields

Field	Description
errors	Indicates whether there were errors.
result	Container for results metadata.
totalCount	How many devices were found with the target app in its inventory.
queryTime	How long did the query take to execute.
searchResults	Container for found devices.
id	Device id.
phoneNumber	Device phone number.
deviceModel	Device model
platformType	Platform type.
platformVersion	Platform version.
lastCheckin	When the device last checked in.
registrationState	Device registration state.
displayName	Device display name.
firstName	First name of device owner.
lastName	Last name of device owner.
uid	Uid of device owner.
emailAddress	Email of device owner.
clientVersion	Version of the Ivanti client on the device.
manufacturer	Device manufacturer.
imei	Device imei code.
wifiMacAddress	Device wifi Mac address.
serialNumber	Device serial number.
currentCarrierNetwork	Device current carrier network.
subscriberCarrierNetwork	Device subscriber carrier network.
locale	Locale of the device.
ownershipType	

Field	Description
complianceState	Compliance state of the device.
roaming	Is the device roaming.
supervised	
udid	
clientLastCheckin	Last time the client checked in.
iccid	
currentMcc	
currentMnc	
subscriberMcc	
subscriberMnc	
prettyModel	Model name of the device.
policyViolationCount	How many times has the device violated a policy.
latitude	Latitude of the device's location.
longitude	Longitude of the device's location.
locationLastCapturedAt	When device location last captured.
lastRegistrationTime	When owner last registered the device.
locationStatusDetail	Container for location status data.
lastUpdatedAt	
locationStatus	
actionExceptionCodes	Container for action exception codes.
null	null
supportLockMessage	
ownerId	Id of the device's owner.
legalOwnerId	Legal owner of the device, for shared iPad devices.
legalOwnerEmailAddress	Email address of the device legal owner, for shared iPad devices.
kioskState	Is this device in kiosk mode.

Field	Description
customAttributes	Does this device have any custom attributes.
offset	How many records skipped in this record set.
limit	How many may be displayed in this record set.

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 6,
    "queryTime": 0,
    "searchResults": [
      {
        "id": 281357,
        "phoneNumber": "14088580543",
        "deviceModel": "Nexus 6",
        "platformType": "ANDROID",
        "platformVersion": "5.0.1",
        "lastCheckin": 1423164808861,
        "registrationState": "ACTIVE",
        "displayName": "Cliff Clasen",
        "firstName": "Cliff",
        "lastName": "Clasen",
        "uid": "cclasen@mobileiron.com",
        "emailAddress": "cclasen@mobileiron.com",
        "clientVersion": "3.0.0-beta1.5",
        "manufacturer": "motorola",
        "imei": "355458060508091",
        "wifiMacAddress": "ec:88:92:b7:db:cb",
        "serialNumber": "ZX1G322DNT",
        "currentCarrierNetwork": "T-Mobile",
        "subscriberCarrierNetwork": "",
        "locale": "en_US",
        "ownershipType": "UNKNOWN",
        "complianceState": true,
        "roaming": false,
        "supervised": null,
        "udid": null,

```

```
    "clientLastCheckin": 1423164808861,
    "iccid": "8901260222782933598",
    "currentMcc": "310",
    "currentMnc": "260",
    "subscriberMcc": "310",
    "subscriberMnc": "260",
    "prettyModel": "Nexus 6",
    "policyViolationCount": null,
    "latitude": 37.654846,
    "longitude": -121.867966,
    "locationLastCapturedAt": 1423154014501,
    "lastRegistrationTime": 1419645191747,
    "locationStatusDetail": {
      "lastUpdatedAt": 1423154014501,
      "locationStatus": "AVAILABLE"
    },
    "actionExceptionCodes": [
      null
    ],
    "supportLockMessage": false,
    "ownerId": 10220,
    "legalOwnerId": null,
    "legalOwnerEmailAddress": null,
    "kioskState": "NOT_CONFIGURED",
    "customAttributes": null
  },
  ...
],
"offset": 0,
"limit": 50
}
}
```

Create an App

This call creates an app. You can create in-house apps or public apps. For in-house apps, use the `app-data` and `platformType` parameters. For a public app, use the `itunes-id` parameter. There is no size limit on apps. The limiting factor would be the available disk space.

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

api/v1/app

Request Parameters

Parameter	Argument Type	Description	Example Value
app-data	Path	The type is org.springframework.web.multipart.MultipartFile. Specify the location of the app.	app-data=@/Users/Sally.Smith/Downloads/PayDay.ipa
platformType	Path	The platform type of the app. IOS or ANDROID.	IOS
newVersion	Path	Flag to indicate whether app is a new version.	true
itunes-id		iTunes identifier for the app.	422020153
overrideUrl	Request body	The app override URL points to a premise-based URL that serves the application. Available for in-house apps for iOS and also in the Update In-House App Details call.	mycompanywebserver.mi.com

Example Request

In-house App

```
curl -k -u 'bobby@test45.com:Nj5oby112233' -XPOST -F 'platformType=IOS' -F 'app-data=@/Users/Sally.Smith/Downloads/PayDay.ipa' "https://[Ivanti Neurons for MDM host]/api/v1/app"
```

Public App

https://[Ivanti Neurons for MDM]/api/v1/app?itunes-id=422020153

Example Response

```
{
  "errors": null,
  "result": true
}
```

Update an App

To update an app and copy the previous version's artifacts, you make two calls that:

- [Upload the new APK file.](#)
- [Copy the previous version's screenshots, description, and user distribution to the new version.](#)

Uploading the new APK file

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

api/v1/app

Request Parameters

Parameter	Argument Type	Description	Example Value
app-data	Request body	The path to the app.	app-data=@/Users/dmurthy/Documents/InHouseApps/HelpAtWork-Enterprise-2.ipa
newVersion	Request body	Boolean. Is this a new version. true or false.	true
cmPartitionId	Request body	The tenant's content space ID. You can get this value by issuing the GET /api/v1/metadata/tenant call.	20000
platformType	Request body	The platform type, IOS or ANDROID.	IOS

Example Request

```
curl -H 'Content-type:multipart/form-data' -kv -X POST -u [username]:[password]
"https://[Ivanti Neurons for MDM]/api/v1/app" \
-F "app-data=@/Users/dmurthy/Documents/InHouseApps/HelpAtWork-Enterprise-2.ipa" \
-F "newVersion=true" \
-F "cmPartitionId=20000" \
-F "platformType=IOS"
```

Response Fields

Field	Description
errors	Indicates whether there were errors.
result	Container for results data.
addedToExistingApp	Reflects whether the app was added to the existing app.
applicationId	The ID of the updated app.
applicationVersionId	The ID of the new version of the app. You will need this value to use for the targetApplicationVersionId parameter when you make the Copying Previous App Version Artifacts call.

Example Response

```
{
  "errors": null,
  "result": {
    "addedToExistingApp": true,
    "applicationId": 16001,
    "applicationVersionId": 17002
  }
}
```

Copying Previous App Version Artifacts

This call copies the previous version's screenshots, description, and user distribution to the new version. To make this call, you will need the applicationVersionId value returned by the [Uploading the new APK file](#) call to use for the targetApplicationVersionId parameter.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

api/v1/app

Request Parameters

Parameter	Argument Type	Description	Example Value
targetApplicationVersionId	Request body	The ID of the new app version. This is the value returned as the applicationVersionId field of the Uploading the new APK file call.	17002

Example Request

```
curl -kv -X PUT -u [username]:[password] "https://[Ivanti Neurons for MDM]/api/v1/app" -d "targetApplicationVersionId=17003"
```

Example Response

```
{  
  "errors": null,  
  "result": true  
}
```

Update In-House App Screenshots

This call updates an in-house app's screenshots.

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

api/v1/app/version/{id}/screenshots

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The id of the app for which to update screenshots	51955
--data-binary	Request body	Specifies the screenshot file to upload.	\$'-----WebKitFormBoundary7PINjpFmFrFvAxX9\r\nContent-Disposition: form-data; name="phoneScreenshots[0].file"; filename="Prince_logo.svg.png"\r\nContent-Type: image/png\r\n\r\n\r\n-----WebKitFormBoundary7PINjpFmFrFvAxX9\r\nContent-Disposition: form-data; name="X-XSRF-Token"\r\n\r\n6130E7E8F8A0DEA95AF08C66DB1D00F401BC1CDA\r\n-----WebKitFormBoundary7PINjpFmFrFvAxX9--\r\n'

Request Headers

Header	Description	Example Value
Content-Type: multipart/form-data; boundary	Declaration of content type and boundary.	-H 'Content-Type: multipart/form-data; boundary=----WebKitFormBoundaryhylqg7c8DT6wyZ1r'
Accept	Specifies which content types to accept.	'Accept: application/json, text/plain, */*'

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v1/app/version/52161/screenshots' -H
'Content-Type: multipart/form-data; boundary=----WebKitFormBoundary7PINjpFmFrFvAxX9' -H
'Accept: application/json, text/plain, */*' --data-binary $'-----
WebKitFormBoundary7PINjpFmFrFvAxX9\r\nContent-Disposition: form-data;
name="phoneScreenshots[0].file"; filename="Prince_logo.svg.png"\r\nContent-Type:
image/png\r\n\r\n\r\n-----WebKitFormBoundary7PINjpFmFrFvAxX9\r\nContent-Disposition:
form-data; name="X-XSRF-Token"\r\n\r\n6130E7E8F8A0DEA95AF08C66DB1D00F401BC1CDA\r\n-----
WebKitFormBoundary7PINjpFmFrFvAxX9--\r\n' --compressed
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Update In-House App Icons

This call updates an in-house app's icons for iOS and macOS apps.

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

/api/v2/app/inhouse/{id}/icon?preview=true&dataUri=true

Request Parameters

Parameter	Argument Type	Description	Example Value
id	Path	The id of the app for which to update icons	191477
--data-raw	Request body	Specifies the icon file to upload.	\$'-----WebKitFormBoundaryzx9yt1iL0adtOcBY\r\nContent-Disposition: form-data; name="image-data"; filename="dmicon.png"\r\nContent-Type: image/png\r\n\r\n\r\n\r\n-----WebKitFormBoundaryzx9yt1iL0adtOcBY\r\nContent-Disposition: form-data; name="X-XSRF-Token"\r\n\r\n\r\nC19031DDBA704882F398337E3E5C4BA82A97AFC2\r\n-----WebKitFormBoundaryzx9yt1iL0adtOcBY--\r\n'

Request Headers

Header	Description	Example Value
Content-Type: multipart/form-data; boundary	Declaration of content type and boundary.	-H 'Content-Type: multipart/form-data; boundary=----WebKitFormBoundaryzx9yt1iL0adtOcBY'
Accept	Specifies which content types to accept.	'Accept: application/json, text/plain, */*'

Example Request

```
curl 'https://[Ivanti Neurons for MDM]/api/v2/app/inhouse/191477/icon?preview=true&dataUri=true' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Content-Type: multipart/form-data; boundary=----WebKitFormBoundaryzx9yt1iL0adtOcBY' \
  --data-raw '$'-----WebKitFormBoundaryzx9yt1iL0adtOcBY\r\nContent-Disposition: form-data; name="image-data"; filename="dmicon.png"\r\nContent-Type: image/png\r\n\r\n\r\n-----WebKitFormBoundaryzx9yt1iL0adtOcBY\r\nContent-Disposition: form-data; name="X-XSRF-Token"\r\n\r\nC19031DDBA704882F398337E3E5C4BA82A97AFC2\r\n-----WebKitFormBoundaryzx9yt1iL0adtOcBY--\r\n' \
  --compressed
```

Example Response

data:image/png;base64,(and then the image data)

Update In-House App Details

This call updates an in-house app's:

- Name
- Display version
- Category
- What's New
- Description

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v2/app/inhouse/{applicationVersionId}

Request Parameters

Parameter	Argument Type	Description	Example Value
applicationVersionId	Path	Mandatory Version of the app to update. Use GET https://[Ivanti Neurons for MDM]/api/v1/app/{id} to get the applicationVersionId. {id} is the app ID. Use GET https://[Ivanti Neurons for MDM]/api/v1/app?q=&cmPartitionId={cmPartitionId} to get the value for {id}	54710
dmPartitionId	Request body	Device space ID for the call.	23505
dmPartitionDistribution Type	Request body	Distribution type for the call.	ALL
enableReviews	Request body	Mandatory Are reviews enabled? Use GET https://[Ivanti Neurons for MDM]/api/v1/app/{id} to get the value for this parameter.	true
enableRatings	Request body	Mandatory Are ratings enabled? Use GET https://[Ivanti Neurons for MDM]/api/v1/app/{id} to get the value for this parameter.	true
appType	Request body	Indicates the type of app to update.	IN_HOUSE
mamWithOutMDM	Request body	Is this application under mobile application management (MAM) without mobile device management (MDM)?	false

Parameter	Argument Type	Description	Example Value
id	Request body	Mandatory ID of the app to update. Use GET https://[Ivanti Neurons for MDM]/api/v1/app?q=&cmPartitionId={cmPartitionId} to get the value for this parameter.	43488
whatsNew	Request body	New description for what's new.	Better memory management
description	Request body	New description.	Great word game!
displayVersion	Request body	Mandatory New display version. Use Get a List of In-House Apps or GET <a href="/api/v1/app/<applicationVersionId>">/api/v1/app/<applicationVersionId> to find this value.	2.0.0
primaryVersion	Request body	Mandatory Primary version of the app. Use Get a List of In-House Apps or GET <a href="/api/v1/app/<applicationVersionId>">/api/v1/app/<applicationVersionId> to find this value.	200
developerName	Request body	Name of the app's developer. Use Get a List of In-House Apps or GET <a href="/api/v1/app/<applicationVersionId>">/api/v1/app/<applicationVersionId> to find this value.	
name	Request body	Mandatory New name of app. Use Get a List of In-House Apps or GET <a href="/api/v1/app/<applicationVersionId>">/api/v1/app/<applicationVersionId> to find this value.	Words against the World

Parameter	Argument Type	Description	Example Value
overrideUrl	Request body	The app override URL points to a premise-based URL that serves the application.	mycompanywebserver.mi.com
platformAppId	Request body	Mandatory App ID on the target platform Use Get a List of In-House Apps or GET /api/v1/app/<applicationVersionId> to find this value.	rz.scrambler.app
categoryIds	Request body	New category IDs. Use GET https://[Ivanti Neurons for MDM]/api/v1/app/category to obtain the category IDs.	25185
distributionSettings	Request body	Container for app distribution settings.	
groupIds	Request body	Group IDs to which to distribute the app.	
accountIds	Request body	Account IDs to which to distribute the app	
configDistributionSettings	Request body	Config distribution settings for the app.	

Example Request

```
curl -X PUT \
  https://[Ivanti Neurons for MDM]/api/v2/app/inhouse/54710 \
  -H 'accept: application/json' \
  -H 'authorization: Basic <token>' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -d '{
    "dmPartitionId": 23505,
    "dmPartitionDistributionType": "ALL",
    "enableReviews": true,
    "enableRatings": true,
    "appType": "IN_HOUSE",
    "mamWithoutMDM": false,
```



```
"id": 43488,
"whatsNew": "Better memory management.",
"description": "Great word game!",
"displayVersion": "2.0.0",
"primaryVersion": "200",
"developerName": "",
"name": "Words against the World",
"overrideUrl": "",
"platformAppId": "rz.scrambler.app",
"categoryIds": [
  25185
],
"distributionSettings": {
  "groupIds": [ ],
  "accountIds": [ ]
},
"configDistributionSettings": { }
```

Example Response

```
{
  "errors": null,
  "result": true
}
```

Get a List of In-House Apps

This call gets a list of in-house apps

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/app

Request Parameters

Parameter	Argument Type	Description	Example Value
rows	Path	How many rows to return in the query. Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34 .	20
start	Path	Where in the results set to start displaying the rows.	0
cmPartitionId	Path	The content partition ID. You can get it with the GET tenant metadata call.	20003
facetFq	Path	The query for in house, which is, url encoded, APPTYPE+%3D+%27IN_HOUSE%27, and not url encoded: APPTYPE = 'IN_HOUSE'. To see a list of public apps, it is an identical call, except use PUBLIC instead of IN_HOUSE in the call. URL encoded, like this: facetFq:APPTYPE+%3D+%27PUBLIC%27+.	facetFq=APPTYPE+%3D+%27IN_HOUSE%27+
sortFields [0].name	Path	The column on which to sort.	name
sortFields [0].order	Path	Sort order, ASC or DESC	

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/app?q=&rows=20&start=0&cmPartitionId=20003&facetFq=APPTYPE+%3D+%27IN_HOUSE%27+&sortFields%5B0%5D.name=name&sortFields%5B0%5D.order=ASC
```

Example Response

```
{
  "errors":null,
  "result":{
    "totalCount":142,
    "queryTime":11,
    "searchResults":[
      {
        "name":"2048",
        "description":"Inspired by Gabriele Cirulli game available on the web:
http://gabrielecirulli.github.io/2048/\n\nJoin the numbers and get to the 2048
tile!\n\nSwipe to move all tiles. When two tiles with the same number touch, they merge
into one.\n\nGet to the 2048 tile, and reach a high score!",
        "iconUrl":"http://a5.mzstatic.com/us/r30/Purple3/v4/73/25/fe/7325fe5c-100c-b853-
b0a7-5a0602b58e74/AppIcon57x57.png",
        "currency":"USD",
        "cost":0.0,
        "size":3463448,
        "versions":[
          {
            "name":"2048",
            "featuredStatus":"NONE",
            "primaryVersion":null,
            "secondaryVersion":"1.8",
            "displayVersion":"1.8",
            "minOsVersion": "1.6",
            "applicationVersionId":19278,
            "size":3463448,
            "distributionCount":null
          }
        ],
        "id":18122,
        "createdAt":1401908341993,
        "createdBy":11902,
        "modifiedAt":1413266398620,
        "modifiedBy":10010,
        "platformAppId":"com.ketchapp.2048",
        "platformType":"IOS",
        "appType":"PUBLIC",
        "appStoreId":840919914,
        "cmPartitionId":20003,
        "distributionCount":null,

```

```

        "avgRating":null,
        "ratingCount":0,
        "latestDisplayVersion":"1.8",
        "featuredStatus":"NONE"
    },
    ...
    ],
    "offset":0,
    "limit":20,
    "facetedResults":{
        "DEVICETYPE":{
            "PHONE":0,
            "ALL":131,
            "PAD":11
        },
        "FEATUREDSTATUS":{
            "FEATURED_BANNER":15,
            "FEATURED":60,
            "NONE":67
        },
        "PLATFORMTYPE":{
            "ANDROID":32,
            "IOS":110
        },
        "APPTYPE":{
            "IN_HOUSE":24,
            "PUBLIC":142
        }
    },
    "totalUnfilteredResultCount":178
}
}

```

Get a List of In-House Apps and Associated Provisioning Profile

This call returns a list of in-house apps and any provisioning profile attached to them for a designated deviceSpaceId. This information would be helpful to administrators who need to renew provisioning profiles before expiration. Provisioning profiles are not MobileIron Ivanti Neurons for MDM configurations, rather, Apple Developer site profiles that authorize devices to launch in-house apps.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

`api/v1/app/inhouse/profiles?rows={n}&start={n}&dmPartitionId={dmPartitionId}`

Request Parameters

Parameter	Argument Type	Description	Example Value
rows	Path	<p>Data Type: Number</p> <p>How many rows to return in the query.</p> <p>Do not send a value larger than 500 with the rows parameter because the APIs do not permit a value of greater than 500. See "Controlling Results" on page 34.</p>	5
start	Path	<p>Data Type: Number</p> <p>Where in the results set to start displaying the rows.</p>	0
dmPartitionId	Path	<p>Required</p> <p>Data Type: Number</p> <p>The device partition ID.</p>	23000

Example Request

```
curl -X GET -kv -u joe@acme.com:AsdFjYu -i -H 'Authorization:Basic <token>' "https://[Ivanti Neurons for MDM]/api/v1/app/inhouse/profiles?rows=5&start=0&dmPartitionId=23000"
```

Response Fields

Field	Description
errors	Null if no errors.
result	JSON container for results.
searchResults	JSON container for search results.
bundleId	Bundle ID of the app.
platformType	Platform type of the app, for example, IOS.
appType	Will always be IN_HOUSE because this call returns in-house apps.
name	Name of the app.
primaryVersion	Primary version of the app.
displayVersion	Display version of the app.
minOsVersion	Minimum required OS version for the app.
applicationVersionId	Version ID of the app.
provisioningProfile	JSON container for provisioning profile results.
uuid	UUID of provisioning profile.
certs	JSON container for certificate results.
issuingName	Issuing name of certificate.
expiration	Timestamp of certificate expiration.
serialNumber	Certificate serial number.
name	Certificate name.
id	Provisioning profile ID.
devTeamName	Name of development team.
expirationDate	Timestamp of provisioning profile expiration.
totalCount	How many records found.
offset	Offset setting in originating call.
limit	Limit setting in originating call.

Example Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "bundleId": "com.mobileiron.enterprise.HelloAppConnect",
        "platformType": "IOS",
        "appType": "IN_HOUSE",
        "name": "Hello_AppConnect",
        "primaryVersion": "1.0",
        "displayVersion": "1.0",
        "minOsVersion": "4.0.3",
        "applicationVersionId": 17000,
        "provisioningProfile": {
          "uuid": "87d4542c-8ad9-4484-8b05-5141605c33a5",
          "certs": [
            {
              "issuingName": "CN=Apple Worldwide Developer Relations
Certification Authority, OU=Apple Worldwide Developer Relations, O=Apple Inc., C=US",
              "expiration": 1631644174000,
              "serialNumber": 8578898181722912226,
              "name": "C=US, O=MobileIron, OU=W8M2C9P2R6, CN=iPhone
Distribution: MobileIron, UID=W8M2C9P2R6"
            }
          ],
          "id": 36500,
          "devTeamName": "MobileIron",
          "expirationDate": 1568675261000
        }
      }
    ],
    "totalCount": 1,
    "offset": 0,
    "limit": 5
  }
}
```

Discover Devices Eligible for a Given App

This call returns the device GUIDs that do not have the given app installed yet, but are eligible to receive the given app based on the distribution criteria defined by the admin.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/app/eligibledevices

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Query	Required Data Type: Long The device partition ID.	23000
appId	Query	Required Data Type: String The platformAppId as returned by GET /api/v2/app.	com.mobileiron.anyware.ios
appVersion	Query	Data Type: String The version of the app. Only valid for in-house apps.	1.0.6
platformType	Query	Required Data Type: String The platform type. Can be ANDROID or IOS.	IOS

Response Fields

Field	Description
errors	null if no errors.
result	JSON container for results, which is a list of eligible device GUIDs for a successful call, or a message that the application was not found when the call cannot find the app specified by appId. You can use the GUIDs when installing an app as described in "Install an App to devices with specified GUIDs - Synchronous - iOS Only" on page 462.

Example Requests

For a public app or latest version of in house app


```
curl -X GET -u '<user>:<password>'
"https://<HOST>/api/v1/app/eligibledevices?dmPartitionId=23000&appId=com.mobileiron.anyw
are.ios&platformType=IOS"
```

For a specific version of an in house app

```
curl -X GET -u '<user>:<password>'
"https://<HOST>/api/v1/app/eligibledevices?dmPartitionId=23000&appId=com.mobileiron.ente
rprise.EnggSpecs&appVersion=1.0.6&platformType=IOS"
```

Example Response

Success:

```

{
  "errors": null,
  "result": [
    "3fc9c1df-4f87-4db5-9569-362064a1c2ce",
    "17045366-798e-4a96-9a1c-bbe72db6e020",
    "f886f32f-f818-4ddc-bc58-73492d6fd3fc",
    "6dfbcdeb-b582-474b-97cb-12f0aa5c238a",
    "3c0f8242-31bb-4ebc-83c3-6f9b814efc6d",
    "182f601a-a071-40fc-8736-babc19bc1284",
    "cbd269f7-51fd-4c60-a770-5be709a9ed6c",
    "101e96f6-11e2-4f5f-9145-e24bb98d2824",
    "70f9337b-6f29-454b-964d-47f328bffd5",
    "c1bf665d-8baa-41a6-aeba-58bdbf071d7f",
    "61a8bdb1-132e-4b01-b5b8-240ff760b306",
    "524c7ee5-3cf8-4ab4-857c-cb81fd206ca5",
    "c16ca13a-0d0e-4267-93fc-22456a68c91b",
    "a4bb56ec-86e8-4b54-ae5d-7d99a0f4e642",
    "ec57a972-ce82-4651-89b4-588ccab348f8",
    "3abcbdfb3-b186-4e88-ba1a-862479f43fba",
    "f2fd2ad7-5888-403f-a738-d4a9a9241642",
    "b9d612e7-d895-45b9-8944-8f13aed5ecf6",
    "a6991857-c151-48bd-9bd0-b7704c6c4ce7",
    "82849619-ee8d-46ab-a9d3-910e45fc2e92",
    "bc63b64e-a851-4b61-86ed-c4e014fac81e",
    "8bffb95ac-f20b-4cd4-bb87-bb3202109d88",
    "e9540bfa-39dc-41e0-8052-ef0a02b1bc88",
    "4457ae76-b1c1-445c-ad00-b6e8eaf854c7",
    "78e9b28b-9616-4f7c-90b6-239ee816e532",
    "7f97cb39-3592-4476-9cf1-20a684f1e494",
    "7a7741fb-8a98-4886-a2a4-16f06029fc90",
    "79b8f175-8132-4a29-a7cd-dea7bb28bdc3",
    "f0dda2ce-96ba-4b5d-836f-a91cdd06818f",
    "f45a72ca-a3b7-49e1-9c33-f635a0cca20",
    "dacb9468-e0ec-4489-aaaf-bb680203367f",
    "9a55a26f-db96-404b-8bae-337bb3cce435",
    "84ae3cef-8f0d-49ec-bc03-6bfe3140f8de",
    "c2fc7567-c033-4a24-9b90-0cea78cc2482",
    "bc34d594-d2d2-479c-b179-459407067788",
    "c57a99df-b165-4756-84f2-ad53cf532087",
    "3e01ed72-0ea9-472e-b309-8362f6b6bb74",
    "587ae91c-9d8c-4139-9bb8-180272484ff2",
    "96658e47-3ddc-44d5-9b1e-038300a877a2",
    "42134b5c-e0ae-44bb-9a0b-65671d2ec5cc",
    "7bb564da-adaa-429f-aad3-56d9b1c45a0a",
    "72e64c50-256c-4f85-b09f-46ceae9718cd",
    "dbccbe70-7499-4676-88b0-a6d5d298752e",
    "cf192316-2203-4618-bf48-fd9ee4a6ecf8",
    "88eb4678-7250-484f-b8c3-5e93d46cc986",
    "dee29d04-fe74-40ae-b0e0-5d8f47367184",
    "28643e0b-86cf-4c60-b807-ccd44453cbdd",
    "74fd25d0-c710-461a-ac46-e853b2654131",
    "b0513d07-5fe9-4b92-9dbe-ff25d4e90af3",
    "91a241ed-9297-4918-ae75-8cf443284800",
    "58f1a629-068f-45f2-88c7-f939d06b5ff1",
    "f0704c9b-33e9-490f-8a90-4e4e45f3d0b2",
    "308617c9-0902-4106-ac43-a90f98b26df6",
    "1eb4e3af-4f0d-424e-b19d-c3356d9aa1e6",
    "52cd5ccf-2859-4e5e-a5d0-31ec7164b445",
    "86748059-8d13-427c-a582-3e9940c0ba13",
    "413f6e38-0399-41ca-a83f-509542f40a37",
    "c5c4bfc3-d697-4d0a-9f40-49ad19f1b12c"
  ]
}

```

```
        "6f8ae67a-17d2-4b38-a010-bd74300e95cc",
        "db6b365a-efc3-4257-999e-bcb1625f4877",
        "db3618ce-c187-403b-ac84-cb8794439a18",
        "9850270d-23d6-4899-8d3e-893a12092e89"
    ]
}
```

If app not found:

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "ASF-131",
        "message": "The application was not found."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

Install an App to devices with specified GUIDs - Asynchronous - iOS Only

This call triggers an app install for specific device GUIDs. Use this call instead of [the synchronous version](#) for better performance. You can use ["Discover Devices Eligible for a Given App" on page 455](#) to get a list of eligible GUIDs. You can use ["Get asynchronous task list for current user" on page 476](#) to monitor the status of the installations.

Authentication

Ivanti recommends that the user making the call be an API User. To create an API user, navigate in the Ivanti Neurons for MDM portal to **Users > Users +Add > API User**. Additionally, the user making the call needs the App & Content Management role.

HTTP Method

PUT

Request URI

/api/v2/app/install/async

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Request body	Required Data Type: Long The device partition ID.	23000
guids	Request body	Required Data Type: String List of device GUIDs of the devices on which to install the app.	b8b55026-502b-4f64-a422-f1f094aec6ba
bundleId	Request body	Required Data Type: String The bundle id of the application you want to install.	com.eeenmachine.pocketplanes
appVersion	Request body	Data Type: String The specific version of the application you want to install.	1.2.4
platformType	Request body	Required Data Type: String The platform type. Must be IOS.	IOS

Response Fields

Field	Description
errors	Null if no errors.
result	
noOfPollRequestsRemaining	
nextIntervallnMillis	
taskList	
taskId	Use this value when referring to the return of GET /api/v1/asyncTask/all to find the progress of the associated task.
taskType	
taskStatus	Status of the task.
createdAt	
description	Name of app being installed.

Example Request

```
curl -X PUT \
  https://[Ivanti Neurons for MDM]/api/v2/app/install/async \
  -H 'Authorization: Basic <token>' \
  -H 'Content-Type: application/json' \
  -d '{
    "bundleId": "com.eeenmachine.pocketplanes",
    "dmPartitionId": 23000,
    "appVersion": "1.2.4",
    "platformType": "IOS",
    "guids": [
      "b8b55026-502b-4f64-a422-f1f094aec6ba",
      "6ff689c0-21c7-47a8-a979-3f35c989667d"
    ]
  }'
```

Example Response

Success when GUIDs are eligible for install.

```
{
  "errors": null,
```

```
"result": {
  "noOfPollRequestsRemaining": 13,
  "nextIntervalInMillis": 1000,
  "taskList": [
    {
      "taskId": 40,
      "taskType": "APP_INSTALL_GUID",
      "taskStatus": "QUEUED",
      "createdAt": 1650473330150,
      "description": "App com.eeenmachine.pocketplanes install/update for 2 device(s)"
    }
  ]
}
```

When GUIDs are not eligible for install.

```
{
  "errors": null,
  "result": {
    "numberOfTriggeredAppInstalls": 0,
    "deviceGuidsNotEligibleForApp": [
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519785",
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519784",
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519783"
    ]
  }
}
```

Install an App to devices with specified GUIDs - Synchronous - iOS Only

This call triggers an app install for specific device GUIDs. Use the [asynchronous version](#) of this call for better performance. You can use "[Discover Devices Eligible for a Given App](#)" on [page 455](#) to get a list of eligible GUIDs.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v2/app/install

Request Parameters

Parameter	Argument Type	Description	Example Value
dmPartitionId	Request body	Required Data Type: Long The device partition ID.	23000
guids	Request body	Required Data Type: String List of device GUIDs of the devices on which to install the app.	2615eeb3-4f5c-4e8a-a16f-ae07f3519783
bundleId	Request body	Required Data Type: String The bundle id of the application you want to install.	com.mobileiron.anyware.ios
appVersion	Request body	Data Type: String The specific version of the application you want to install.	1.1.1
platformType	Request body	Required Data Type: String The platform type. Must be IOS.	IOS

Response Fields

Field	Description
errors	null if no errors.
result	JSON container for results, which is a list of device GUIDs.
numberOfTriggeredAppInstalls	How many successfully triggered installs occurred.
deviceGuidsNotEligibleForApp	List of ineligible device GUIDs.

Example Request

```
curl -X PUT \
  https://[Ivanti Neurons for MDM]/api/v2/app/install \
  -H 'Authorization: Basic <token>' \
  -H 'Content-Type: application/json' \
  -d '{
    "guids": [
      "3fc9c1df-4f87-4db5-9569-362064a1c2ce",
      "3c0f8242-31bb-4ebc-83c3-6f9b814efc6d",
      "cbd269f7-51fd-4c60-a770-5be709a9ed6c"
    ],
    "bundleId": "com.playgendary.bowmasters",
    "dmPartitionId": 23504,
    "appVersion": "1.1.1",
    "platformType": "IOS"
  }'
```

Example Response

Success when GUIDs are eligible for install.

```
{
  "errors": null,
  "result": {
    "numberOfTriggeredAppInstalls": 3,
    "deviceGuidsNotEligibleForApp": []
  }
}
```

When GUIDs are not eligible for install.

```
{
  "errors": null,
  "result": {
    "numberOfTriggeredAppInstalls": 0,
    "deviceGuidsNotEligibleForApp": [
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519785",
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519784",
      "2615eeb3-4f5c-4e8a-a16f-ae07f3519783"
    ]
  }
}
```

Install an App based on App Distribution Filters - Asynchronous - iOS Only

This call triggers an asynchronous app install for devices found by specific app distribution filters. Use this call instead of [the synchronous version](#) for better performance. You can also trigger an install for all devices that already have the app. You can use ["Get asynchronous task list for current user" on page 476](#) to monitor the status of the installations.

Authentication

Ivanti recommends that the user making the call be an API User. To create an API user, navigate in the Ivanti Neurons for MDM portal to **Users > Users +Add > API User**. Additionally, the user making the call needs the App & Content Management role.

HTTP Method

PUT

Request URI

/api/v2/app/{appVersionId}/install/async

Request Parameters

Parameter	Argument Type	Description	Example Value
appVersionId	Request path	Required Data Type: String The specific version of the application you want to install. This call takes the appVersionId parameter in the request path and request body.	17003
appVersionId	Request Body	Required Data Type: Long The specific version of the application you want to install. This call takes the appVersionId parameter in the request path and request body.	17003
dmPartitionId	Request body	Required Data Type: Long The device partition ID.	23000
appDeviceFilterId	Request body	Data Type: Long App distribution filter to use for determining on which devices to install the app. Use GET <code>/api/v1/app/devicefilter?dmPartitionId=<dmPartitionId>&includeAppCount=true false</code> for a list of valid filters.	6
accountIds	Request body	Data Type: Long Account IDs to which to distribute the app. Use the "Get All Accounts" on page 59 call for a list of valid account IDs.	10050
accountGroupIds	Request body	Data Type: Long Account group IDs to which to distribute the app. Use the "List User Groups" on page 140 call for a list of account group IDs.	11000

Parameter	Argument Type	Description	Example Value
requestNewInstall	Request body	Required Data Type: Boolean true or false. If true, perform a new install. If false, do not perform a new install. See "Understanding the requestNewInstall and requestUpdate Parameters" below for more information.	true
requestUpdate		Data Type: Boolean true or false. If true, perform an update install. If false, do not perform an update install. See "Understanding the requestNewInstall and requestUpdate Parameters" below for more information.	false
everyoneWithApp	Request body	Required Data Type: Boolean true or false. If true, perform an install for everyone with the app. If false, do not perform an update for everyone with the app.	false

Understanding the requestNewInstall and requestUpdate Parameters

Use the requestNewInstall and requestUpdate parameter to specify the desired actions: only new install, only update, or update and install.

For example:

- If app is installed and you request new install: it will not install
- If app is not install and you request update: it will not install
- If app is installed (old version) and you request update (new version): it installs
- No app and you request install: it installs
- Not installed and you request install and update: it installs

Response Fields

Field	Description
errors	Null if no errors.
result	
noOfPollRequestsRemaining	
nextIntervallInMillis	
taskList	
taskId	Use this value when referring to the return of GET /api/v1/asynctask/all to find the progress of the associated task.
taskType	
taskStatus	Status of the task.
createdAt	
description	Name of app being installed.

Example Request

```
PUT /api/v2/app/17003/install/async -d '{
  "appVersionId":17003,"dmPartitionId":23000,"appDeviceFilterId":null,"accountIds":
  [], "accountGroupIds": [], "deviceIds": [], "ruleGroupIds":
  [], "requestNewInstall":true, "requestUpdate":false, "everyoneWithApp":true}'
```

Example Response

Success

```

{
  "errors": null,
  "result": {
    "noOfPollRequestsRemaining": 13,
    "nextIntervalInMillis": 1000,
    "taskList": [
      {
        "taskId": 5,
        "taskType": "APP_INSTALL_DIST",
        "taskStatus": "QUEUED",
        "createdAt": 1649264141176,
        "description": "App Pocket Planes - Airline Management 1.2.4 install
      ]
    ]
  }
}

```

When app not found

```

{
  "errors": {
    "globalErrors": [
      {
        "code": "ASF-131",
        "message": "The application was not found."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}

```

When no eligible device found

```

{
  "errors": null,
  "result": {
    "numberOfTriggeredAppInstalls": 0,
    "resultMessage": "No eligible devices were found for the install/update request
for this application."
  }
}

```

Install an App based on App Distribution Filters - Synchronous - iOS Only

This call triggers an app install for devices found by specific app distribution filters. You can also trigger an install for all devices that already have the app. Use the [asynchronous version](#) of this call for better performance.

Authentication

This call requires tenant admin credentials.

HTTP Method

PUT

Request URI

/api/v2/app/{appId}/install

Request Parameters

Parameter	Argument Type	Description	Example Value
appVersionId	Request path	Required Data Type: String The specific version of the application you want to install. This call takes the appVersionId parameter in the request path and request body.	17015
appVersionId	Request Body	Required Data Type: Long The specific version of the application you want to install. This call takes the appVersionId parameter in the request path and request body.	17015
dmPartitionId	Request body	Required Data Type: Long The device partition ID.	23000
appDeviceFilterId	Request body	Data Type: Long App distribution filter to use for determining on which devices to install the app. Use GET <code>/api/v1/app/devicefilter?dmPartitionId=<dmPartitionId>&includeAppCount=true false</code> for a list of valid filters.	6
accountIds	Request body	Data Type: Long Account IDs to which to distribute the app. Use the "Get All Accounts" on page 59 call for a list of valid account IDs.	10050
accountGroupIds	Request body	Data Type: Long Account group IDs to which to distribute the app. Use the "List User Groups" on page 140 call for a list of account group IDs.	11000

Parameter	Argument Type	Description	Example Value
requestNewInstall	Request body	Required Data Type: Boolean true or false. If true, perform a new install. If false, do not perform a new install. See "Understanding the requestNewInstall and requestUpdate Parameters" on page 468 for more information.	true
requestUpdate		Data Type: Boolean true or false. If true, perform an update install. If false, do not perform an update install. See "Understanding the requestNewInstall and requestUpdate Parameters" on page 468 for more information.	false
everyoneWithApp	Request body	Required Data Type: Boolean true or false. If true, perform an install for everyone with the app. If false, do not perform an update for everyone with the app.	false

Understanding the requestNewInstall and requestUpdate Parameters

Use the requestNewInstall and requestUpdate parameter to specify the desired actions: only new install, only update, or update and install.

For example:

- If app is installed and you request new install: it will not install
- If app is not install and you request update: it will not install
- If app is installed (old version) and you request update (new version): it installs
- No app and you request install: it installs
- Not installed and you request install and update: it installs

Response Fields

Field	Description
errors	null if no errors.
result	Number of devices successfully queued for install.

Example Request

```
curl -X PUT \
  https://[Ivanti Neurons for MDM]/api/v2/app/17000/install \
  -H 'Authorization: Basic <token>' \
  -H 'Content-Type: application/json' \
  -d '{
    "dmPartitionId": 23000,
    "appVersionId": 17000,
    "appDeviceFilterId": 4,
    "accountIds": [
      10050,
      10051
    ],
    "accountGroupIds": [
      11000
    ],
    "requestNewInstall": false,
    "requestUpdate": true,
    "everyoneWithApp": false
  }'
```

Example Response

Success

```
{
  "errors": null,
  "result": 3
}
```

When app not found

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "ASF-131",
        "message": "The application was not found."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

When no eligible device found

```
{
  "errors": null,
  "result": {
    "numberOfTriggeredAppInstalls": 0,
    "resultMessage": "No eligible devices were found for the install/update request
for this application."
  }
}
```

Get asynchronous task list for current user

This call returns the asynchronous tasks status for current user. You can use it to monitor the progress of the ["Install an App to devices with specified GUIDs - Asynchronous - iOS Only" on page 459](#) and ["Install an App based on App Distribution Filters - Asynchronous - iOS Only" on page 464](#) calls.

Authentication

Ivanti recommends that the user making the call be an API User. To create an API user, navigate in the Ivanti Neurons for MDM portal to **Users > Users +Add > API User**. Additionally, the user making the call needs the App & Content Management role.

HTTP Method

GET

Request URI

api/v1/asyncntask/all

Response Fields

Field	Description
errors	
result	
noOfPollRequestsRemaining	
nextIntervallnMillis	
taskList	
taskId	Corresponds to the taskId values returned by " Install an App to devices with specified GUIDs - Asynchronous - iOS Only " on page 459 and " Install an App based on App Distribution Filters - Asynchronous - iOS Only " on page 464.
taskType	
taskStatus	
createdAt	
description	
responseData	
numberOfTriggeredAppInstalls	
numberOfNonTriggeredAppInstalls	
moreVppLicensesAreNeeded	
licenseAgreementNotAccepted	
appName	
appVersion	
notificationThreadId	

Example Request

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/asynctask/all' \
  --header 'Accept: application/json, text/plain, */*' \
  --header 'Content-Type: application/json' \
  --header 'Authorization: Basic <token>'
```

Example Response

Success:

```
{
  "errors": null,
  "result": {
    "noOfPollRequestsRemaining": 13,
    "nextIntervalInMillis": 1000,
    "taskList": [
      {
        "taskId": 5,
        "taskType": "APP_INSTALL_DIST",
        "taskStatus": "COMPLETE",
        "createdAt": 1649264141176,
        "description": "App Pocket Planes - Airline Management 1.2.4
install/update",
        "responseData": {
          "numberOfTriggeredAppInstalls": 1,
          "numberOfNonTriggeredAppInstalls": 0,
          "moreVppLicensesAreNeeded": 0,
          "licenseAgreementNotAccepted": 2,
          "appName": "App Pocket Planes - Airline Management",
          "appVersion": "1.2.4",
          "notificationThreadUuid": "83f2005b-4b8e-4527-a80b-551815258297"
        }
      }
    ]
  }
}
```

Get the Status of the Asynchronous Request

This API provides the status of the Asynchronous task request.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/asyncTask/status/{taskGuid}

Request Parameters

Parameter	Argument Type	Description	Example Value
taskGuid	Request body	Required Data Type: string	8cf7b560-1172- 418e-a9cc0db7197ffe9f

Example Response

```
{
  "errors": null,
  "result": {
    "taskId": "8cf7b560-1172-418e-a9cc-0db7197ffe9f",
    "taskType": "CLEAR_CONFIG_ERROR",
    "taskStatus": "COMPLETE",
    "createdAt": 1701099803091,
    "modifiedAt": 1701099803112,
    "errorConfigsCleared": 56
  }
}
```

Retry Installation of Error Configurations

This API retries the installation of error configurations on devices.

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

api/v1/asyncTask

Request Parameters

Parameter	Argument Type	Description	Example Value
taskGuid	Request body	Required Data Type: string	CLEAR_CONFIG_ERROR

Example Response

```
{
  "errors": null,
  "result": {
    "taskUuid": "8cf7b560-1172-418e-a9cc-0db7197ffe9f",
    "taskType": "CLEAR_CONFIG_ERROR",
    "taskStatus": "QUEUED",
    "createdAt": 1701099803091
  }
}
```

Delete an App

When Ivanti Neurons for MDM uploads an app, it assigns the app an appId and a version ID, which you use along with the cmPartitionId to remove that version of the app.

Authentication

This call requires tenant admin credentials.

HTTP Method

DELETE

Request URI

api/v1/app/appId/version?cmPartitionId=value&id=value

Request Parameters

Parameter	Argument Type	Description	Example Value
appId	Path	Application ID	16003
cmPartitionId	Path	The Content space ID id is the ID of the space containing the version to delete.	20000
id	Path	The id of the specific version of the application you want to delete.	name

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/app/16003/version?cmPartitionId=20000&id=17004
```

Review and Rate an App

This call creates an app review and rating.

Authentication

Basic authentication is not supported with this API call.

HTTP Method

POST

Request URI

```
/c/api/v1/appstore/AppVersionId/review?summary=summaryText&rating=ratingNumber&title=title
```

Request Parameters

Parameter	Argument Type	Description	Example Value
ApplicationVersionId	Path	Integer. The application's version ID. Use GET /api/v1/app/id to get the value for applicationVersionId.	17001
summaryText	Path	String. The summary text for the review. This is the main text for the review.	Great little app! I use it all the time.
ratingNumer	Path	Integer. The rating number for the review, from 1 to 5.	5
title	Path	String. The title of the review.	Must have!

Example Request

```
curl -X POST -H "Content-Type: multipart/form-data; boundary=----WebKitFormBoundary7MA4YWxkTrZu0gW" https://[Ivanti Neurons for MDM]/c/api/v1/appstore/17026/review?summary=Great!&rating=5&title=Must have!
```

Response Fields

Field	Description
errors	null if no errors.
result	true if successful,

Example Response

```
{
  "errors": null,
  "result": true
}
```

Get All Reviews

This call gets all reviews in the specified content space.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/app/review?cmPartitionId= cmPartitionId

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The Content space ID id is the ID of the desired space containing the reviews to get.	20003

Example Request

https://[Ivanti Neurons for MDM]/api/v1/app/review?cmPartitionId=20003

Response Fields

Field	Description
errors	
result	
totalCount	
queryTime	
searchResults	
id	
tenantId	
cmPartitionId	
title	
summary	
reviewState	
versionTag	
applicationId	
applicationVersionId	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
displayName	
rating	
appVersionName	
iconUrl	
platformType	
offset	
facetedResults	
RATING	

Field	Description
1	
2	
3	
4	
5	
PLATFORMTYPE	
ANDROID	
IOS	
APPTYPE	
IN_HOUSE	
PUBLIC	
totalUnfilteredResultCount	

Example Response

```
{
  "errors": null,
  "result": {
    "totalCount": 39,
    "queryTime": 1,
    "searchResults": [
      {
        "id": 49069,
        "tenantId": 42004,
        "cmPartitionId": 20003,
        "title": "ok",
        "summary": "",
        "reviewState": "PUBLISHED",
        "versionTag": "1.7.8",
        "applicationId": 16031,
        "applicationVersionId": 17031,
        "createdAt": 1385061019059,
        "createdBy": 10141,
        "modifiedAt": null,
      }
    ]
  }
}
```

```

        "modifiedBy": null,
        "displayName": "Nimish Amin",
        "rating": 3,
        "appVersionName": "ADP Mobile Solutions",
        "iconUrl": "http://a1.mzstatic.com/us/r30/Purple4/v4/37/fc/52/37fc52cc-772f-5231-f60c-ba6692f24645/icon.png",
        "platformType": "IOS"
    },
    ...
  ],
  "offset": 0,
  "facetedResults": {
    "RATING": {
      "1": 2,
      "2": 3,
      "3": 6,
      "4": 12,
      "5": 16
    },
    "PLATFORMTYPE": {
      "ANDROID": 5,
      "IOS": 34
    },
    "APPTYPE": {
      "IN_HOUSE": 1,
      "PUBLIC": 38
    }
  },
  "totalUnfilteredResultCount": 39
}
}

```

Delete an App Review

This call deletes an App review.

Authentication

This call requires tenant admin credentials.

HTTP Method

DELETE

Request URI

/api/v1/app/review/delete?cmPartitionId=cmPartitionId&id=id

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The Content space ID id is the ID of the desired space containing the review to delete.	20000
id	Path	The id of the app review you want to delete.	name

Example Request

```
https://[Ivanti Neurons for MDM]/api/v1/app/review/delete?cmPartitionId=20003&id=49023
```

Example Response

```
{
  "errors": null,
  "result": 1
}
```

Get Application Configuration

Returns application configuration for a specific version of an application.

Authentication

This call requires tenant admin credentials.

Request format

```
GET /api/v1/app/version/{applicationVersionId}/config?type={configType}
```


Request Parameters

Parameter	Argument Type	Description
applicationVersionId REQUIRED	Path	number ID of the specific version of the application.
type REQUIRED	Query	string Configuration type. Must contain the value INSTALL .

Response

```
{
  "errors":{
    object("Error" on page 43)
  },
  "result":{
    object(SearchResponse)
  }
}
```

Field	Description
errors	object("Error" on page 43) Response errors.
result	object(SearchResponse) Response results.

Object: SearchResponse

This object represents the result response.

```
{
  "limit": number,
  "offset": number,
  "searchResults": [
    {
      object(ApplicationConfiguration)
    }
  ],
  "totalCount": number
}
```

Field	Description
limit	number The maximum number of results that is being returned. Default is 50 and it can be controlled via query parameter. Refer to the API guide for details.
offset	number Result offset.
searchResults[]	object (ApplicationConfiguration) A list of application configurations.
totalCount	number The total number of results.

Object: ApplicationConfiguration

This object represents the application configuration result.


```
{
  "applicationVersionId":number,
  "configVariables":[
    {
      string
    }
  ],
  "createdAt":number,
  "createdBy":number,
  "defaultConfig":boolean,
  "description":string,
  "id":number,
  "modifiedAt":number,
  "modifiedBy":number,
  "name":string,
  "priority":number,
  "settings":{
    Object(ApplicationConfigurationSettings)
  },
  "type":string,
  "uuid":string
  "userCounts":number,
  "groupCounts":number,
}
```

Field	Description
applicationVersionId	number ID of the specific version of the application for which the configuration is applied.
configVariables[]	string List of configuration substitution variables.
createdAt	number Time of configuration creation in UNIX Epoch time. It is the number of seconds that have elapsed since 00:00:00 Thursday, 1 January 1970.
createdBy	number ID of the user that created the application configuration.
defaultConfig	boolean Flag that indicates if this is default system configuration.
description	string Configuration description that can be used to specify the purpose of the configuration.
groupCounts	number Number of user groups to which the configuration is distributed.
id	number ID of the application configuration.
modifiedAt	number Time of configuration modification in UNIX Epoch time. It is the number of seconds that have elapsed since 00:00:00 Thursday, 1 January 1970.
modifiedBy	number ID of the user that last modified the configuration.
name	string Name of the application configuration.
priority	number Priority of the configuration with 1 being the highest priority and the default configuration having the lowest priority.

Field	Description
settings	Object(ApplicationConfigurationSettings) Additional configuration settings.
type	string Configuration type. Types other than INSTALL are for internal use only.
userCounts	number Number of individual users to which the configuration is distributed.
uuid	string System assigned UUID of the configuration used internally.

Object: ApplicationConfigurationSettings

```
{
  "autoUpdate":boolean,
  "hideApp":boolean,
  "managed":boolean,
  "required":boolean,
  "silentInstall":boolean,
  "scheduleInstall": {
    Object(ApplicationConfigurationInstallScheduleSetting)
  },
  "type":string,
}
```

Field	Description
Field	Description
autoUpdate	<p>boolean</p> <p>iOS Public app specific flag. App update is triggered when new version of the application is available and the flag is set to true.</p>
priority	<p>string</p> <p>Use this parameter to define the order in which apps are received on the device when it is first registered (specifically, within the first twenty minutes after registration date and time), and required apps are pushed to install. You can prioritize downloading of specific apps before other apps, for example, prioritizing the download of Tunnel and Email apps before other non-critical apps. This parameter is applicable for public and private apps. Prerequisite apps are pushed before dependent apps.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> • HIGH • MEDIUM • LOW <p>This parameter is supported on iOS (except AppStation for iOS), Android (except Android for Enterprise), and macOS (in-house PKG apps and Apple Apps and Books apps) devices.</p> <hr/> <p> This parameter is available for new registration devices. By default, all apps are set to medium priority. During this process, the user can elect to manually install any app in the catalog even though that app will compete for resources to install and may queue before high priority apps.</p> <hr/>
hideApp	<p>boolean</p> <p>Flag indicating if the application is shown in the user app catalog (Apps@Work).</p>
managed	<p>boolean</p> <p>Flag indicating if previously installed application should be converted to managed.</p>
required REQUIRED	<p>boolean</p> <p>Flag indicating if the application is required. Must set to true or false when using this object in input parameters. Cannot be null.</p>

Field	Description
silentInstall	boolean Android specific flag. If set to true, the application is silently installed on Samsung KNOX and Zebra devices.
scheduleInstall	Object(ApplicationConfigurationInstallScheduleSetting) Windows specific application installation schedule.
type REQUIRED	string Type of the application configuration. Types other than INSTALL are for internal use only. Required and must be set to INSTALL when using this object in input parameters.

Object: ApplicationConfigurationInstallScheduleSetting

Windows specific application installation schedule.

```
{
  "enabled":boolean,
  "startTime":string,
  "endTime":string,
}
```

Field	Description
enabled	boolean Flag indicating if the application is installed on a schedule.
startTime	string Time field indicating the start time of the window within which the application will be installed. The supported format is 24 hour time. For example 02:00, meaning 2 am.
endTime	string Time field indicating the end time of the window within which the application will be installed. The supported format is 24 hour time. For example 14:00, meaning 2 pm.

Example Request

```
curl -X GET -u <username>:<password> -kv 'https://[Ivanti Neurons for MDM]/api/v1/app/version/17000/config?type=INSTALL'
```

Example Response

```
{
  "errors": null,
  "result": {
    "limit": 50,
    "offset": 0,
    "searchResults": [
      {
        "applicationVersionId": 17000,
        "configVariables": null,
        "createdAt": 1547685772847,
        "createdBy": null,
        "defaultConfig": false,
        "description": null,
        "groupCounts": 2,
        "id": 47,
        "modifiedAt": 1547766408140,
        "modifiedBy": null,
        "name": "Test Config",
        "priority": 1,
        "settings": {
          "autoUpdate": false,
          "hideApp": false,
          "managed": false,
          "required": true,
          "silentInstall": false,
          "type": "INSTALL"
        },
        "type": "INSTALL",
        "userCounts": 3,
        "uuid": "6cae754b-baad-41eb-9b36-5884a8c106f0"
      },
      {
        "applicationVersionId": 17000,
        "configVariables": null,
        "createdAt": 1544817252706,
        "createdBy": null,
        "defaultConfig": true,
        "description": "Allows specifying install settings for an application.",
        "groupCounts": 1,
        "id": 1,
        "modifiedAt": 1547691994540,
        "modifiedBy": null,
        "name": "Install Application configuration settings.",
        "priority": 99999,
        "settings": {
          "autoUpdate": true,
          "hideApp": true,
          "managed": false,
          "required": true,
          "silentInstall": false,
          "type": "INSTALL"
        },
        "type": "INSTALL",
        "userCounts": 0,
        "uuid": "cdee085b-f8ee-4a1c-8840-e98a67e14c65"
      }
    ],
    "totalCount": 2
  }
}
```


Create Application Configuration

Creates application configuration for a specific version of an application.

Authentication

This call requires tenant admin credentials.

Request format

POST /api/v1/app/version/{applicationVersionId}/config

Request Parameters

Parameter	Argument Type	Description
applicationVersionId REQUIRED	Path	number ID of the specific version of the application.
Request Body Parameters		
<pre>{ "name": string, "type": string, "settings":{ Object(ApplicationConfigurationSettings) }, "groupIds": [number], "accountIds": [number] }</pre>		
name REQUIRED	Request body	string Name of the application configuration. The name has to be unique for that type of application configuration.
type REQUIRED	Request body	string Must contain the value INSTALL

Parameter	Argument Type	Description
settings REQUIRED	Request body	Object(ApplicationConfigurationSetting) Additional configuration settings.
groupIds	Request body	number List of group ids of the groups to which the configuration will be applied. The configuration will not be applied to any groups when the group id list is empty or not set. The configuration will be applied to all users that have the app installed when the group is set to the "All Users" group.
accountIds	Request body	number List of specific user ids of the users to which the configuration will be applied. The configuration will not be applied to any specific users when the user id list is empty or not set.

Response

```
{
  "errors":{
    object("Error" on page 43)
  },
  "result" : number
}
```

Field	Description
errors	object("Error" on page 43) Response errors.
result	number ID of the application configuration that was created.

Example Request

```
curl --location --request POST 'https://[Ivanti Neurons for MDM]/api/v1/app/version/121646/config' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/json;charset=UTF-8' \
--header 'Authorization: Basic <token>' \
--data-raw '{
  "type": "INSTALL",
  "settings": {
    "required": true,
    "hideApp": false,
    "silentInstall": false,
    "managed": false,
    "autoUpdate": true,
    "type": "INSTALL",
    "priority": "LOW",
    "scheduleInstall": null
  },
  "distributeOption": "CUSTOM",
  "name": "ForDocs",
  "groupIds": [
    50918
  ],
  "accountIds": [
    486275
  ]
}'
```

Example Response

```
{
  "errors": null,
  "result": 276182
}
```

Update Application Configuration

Updates a specific application configuration for a specific version of an application.

Authentication

This call requires tenant admin credentials.

Request format

```
PUT /api/v1/app/version/{applicationVersionId}/config/{configId}
```

Request Parameters

Parameter	Argument Type	Description	Example Value
cmPartitionId	Path	The Content space ID id is the ID of the desired space containing the review to delete.	20000
id	Path	The id of the app review you want to delete.	name

Response

```
{
  "errors":{
    object("Error" on page 43)
  },
  "result" : number
}
```

Field	Description
errors	object("Error" on page 43) Response errors.
result	number ID of the application configuration that was updated.

Example Request

```
curl --location --request PUT 'https://[Ivanti Neurons for MDM]/api/v1/app/version/121646/config/276183' \
--header 'Accept: application/json, text/plain, */*' \
--header 'Content-Type: application/json;charset=UTF-8' \
--header 'Authorization: Basic <token>' \
--data-raw '{
  "id": 276183,
  "applicationVersionId": 121646,
  "name": "ForDocs",
  "description": null,
  "priority": 1,
  "settings": {
    "type": "INSTALL",
    "managed": false,
    "required": true,
    "hideApp": false,
    "silentInstall": false,
    "autoUpdate": true,
    "priority": "LOW",
    "scheduleInstall": null
  },
  "type": "INSTALL"
}'
```

Example Response

```
{
  "errors": null,
  "result": 276183
}
```

Get all custom attributes for an application version

This call returns a list of all custom attributes for application version.

Authentication

Use credentials for a user with app.read permissions.

HTTP Method

GET

Request URI

/api/v1/app/version/{applicationVersionId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
applicationVersionId	Path	Version of the app for which to fetch the attributes.	165764

Assign custom attributes to an application version

This call assigns custom attributes for an application version.

Authentication

Use credentials for a user with app.update permissions.

HTTP Methods

POST/PUT

Request URI

/api/v1/app/version/{applicationVersionId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
applicationVersionId	Path	Version of the app to which to apply the attributes.	165764
attrs	Request body	The custom attributes to apply.	<pre>-d '{ "attrs": { "key": ["test"] } }'</pre>

Update custom attributes for an application version

This call updates custom attributes for an application version.

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

PATCH

Request URI

/api/v1/app/version/{applicationVersionId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
applicationVersionId	Path	Version of the app to which to apply the attributes.	165764
forceOverwrite	Request body	Setting to true means that the call would overwrite the current attribute values. false adds a new attribute.	<pre>-d '{ "forceOverwrite": false, "attrs": { "key": ["value2"] } }'</pre>
attrs	Request body	The custom attributes to update. You must specify the existing attribute names for the application version or else the system would remove them.	

Delete custom attributes for an application version

This call deletes custom attributes.

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

DELETE

Request URI

/api/v1/app/version/{applicationVersionId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
applicationVersionId	Path	Version of the app to which to apply the attributes.	165764
attrs	Request body	Specify the attributes to remove.	<pre>-d '{ "attrs": { "key": ["test"] } }'</pre>

Update custom attributes for applications

This call updates custom attributes of specified applications.

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

PATCH

Request URI

/api/v1/app/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	IDs of apps for which to update custom attributes.	<pre>-d '{ "ids": [16005, 16006, 16007], "attrs": { "attrs": { "key12": ["value101", "value102"] } }, "forceOverwrite": true }'</pre>
attrs	Request body	The custom attributes to update.	
forceOverwrite	Request body	Setting to true means that the call would overwrite the current attribute values. false adds a new attribute..	

Update custom attributes for an application

This call updates custom attributes for an application.

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

PATCH

Request URI

/api/v1/app/{appId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
appId	Path	app for which to update the attributes.	165764
attrs	Request body	The custom attributes to update.	<pre>-d '{ "attrs": { "key12": ["value101", "value102"] }, "forceOverwrite": true }'</pre>
forceOverwrite	Request body	Setting to true means that the call would overwrite the current attribute values. false adds a new attribute..	

Delete custom attributes for an application

This call deletes custom attributes for an application.

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

DELETE

Request URI

/api/v1/app/{appId}/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
appId	Path	app for which to delete the attributes.	165764
attrs	Request body	Specify the attribute names to delete.	<pre>-d '{ "attrs": { "key12": ["value101", "value102"] } }'</pre>

Delete custom attributes for applications

The following query is used to delete custom attributes:

Authentication

Use credentials for a user with app.update permissions.

HTTP Method

DELETE

Request URI

/api/v1/app/customattributes

Request Parameters

Parameter	Argument Type	Description	Example Value
ids	Request body	IDs of apps for which to delete custom attributes.	<pre>-d '{ "ids": [16005, 16006, 16007], "attrKeys": { "key12": ["value101", "value102"] } }'</pre>
attrs	Request body	The custom attributes to delete.	

Custom Attributes Management

Get Custom Attributes

This call gets a list of custom attributes in the system. You can use this call to get all custom attributes, or narrow the search to account, device, AAD, or LDAP custom attributes.

Authentication

This call requires Tenant Admin credentials.

HTTP method

GET

Request URI

To get all custom attributes:

`/api/v1/customattributes`

To get custom attributes of the specified type:

`/api/v1/customattributes?type=account|device|AAD|LDAP`

Request parameters

Parameter	Argument Type	Description	Example Value
type	Query	Type of custom attribute to retrieve. Can be: <ul style="list-style-type: none">• account• device• AAD• LDAP Sending the call without the type parameter retrieves all custom attributes.	account

Example request

Get account custom attributes.

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/customattributes?type=account' \  
--header 'Authorization: Basic <token>' \  

```

Response fields

Field	Description
errors	Lists errors, if any.
result	Container for results.
searchResults	Container for search results.
id	Custom attribute ID.
createdAt	When custom attribute created.
createdBy	Who created custom attribute.
modifiedAt	When custom attribute modified.
modifiedBy	Who modified custom attribute.
type	Type of custom attribute, account, device, AAD, or LDAP.
name	Name of custom attribute.
totalCount	How many custom attributes found.
offset	Where in the results the return starts.
limit	How many rows retrieved.

Example response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 197,
        "createdAt": 1488590903744,
        "createdBy": 67076,
        "modifiedAt": 1488590903744,
        "modifiedBy": null,
        "type": "ACCOUNT",
        "name": "firstName"
      }
    ],
  },
}
```

```
{
  {
    "id": 448,
    "createdAt": 1511926900839,
    "createdBy": 67076,
    "modifiedAt": 1511926900839,
    "modifiedBy": null,
    "type": "ACCOUNT",
    "name": "fn"
  },
  {
    "id": 1044,
    "createdAt": 1516915901064,
    "createdBy": 67076,
    "modifiedAt": 1516915901064,
    "modifiedBy": null,
    "type": "ACCOUNT",
    "name": "phoneNumber"
  },
  {
    "id": 2205,
    "createdAt": 1542063540291,
    "createdBy": 67076,
    "modifiedAt": 1542063540291,
    "modifiedBy": null,
    "type": "ACCOUNT",
    "name": "idamattrib"
  },
  {
    "id": 5003,
    "createdAt": 1581633006072,
    "createdBy": 67076,
    "modifiedAt": 1581633006072,
    "modifiedBy": null,
    "type": "ACCOUNT",
    "name": "test234"
  }
},
"totalCount": 5,
"offset": 0,
"limit": 50
}
```

Certificate Management Calls

Get the Certificate Revocation List

This call gets the Certificate Revocation List (CRL).

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/c/ca/<tenant-id>/AWS%20CA.crl

Request Parameters

Parameter	Argument Type	Description	Example Value
tenant-id	Path	The id of the tenant for which you want to download the CRL.	42591

Example Request

```
http://[Ivanti Neurons for MDM]/c/ca/42591/AWS%20CA.crl
```

Response

Returns HTTP code 200 OK and downloads a file named cert.cer.

Get List of Certificates Requiring Manual Revocation

This call returns a Comma Separated Value (CSV) file containing a list of certificates that cannot be revoked systematically and need to be revoked manually.

Required Permissions

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/ca/getCertStatus/{caName}?format=csv

Request Parameters

Parameter	Argument Type	Description	Example Value
caName	Path	Required Data Type: String The certificate authority name. You can find this name in the Ivanti Neurons for MDM user interface by selecting Admin > Certificate Authority and selecting a name from the Name column of the Certificate Authority table.	attca
format	Query	Required Data Type: String Specifies the format of the return list. Use csv.	csv

Example Request

http://[Ivanti Neurons for MDM]/api/v1/ca/getCertStatus/attca?format=csv

Response

Returns a CSV file with information about external certificates in the state, Manual_Revoke, meaning, that need to be revoked manually. If the call does not find any certificates that need to be revoked manually, the call returns an empty CSV file. The CSV file contains the following header fields: caID, caName, certHash, mdmChannelId, notAfter, notBefore, serialNumber, storeState, subject, usageType.

Example Response

```
caID,caName,certHash,mdmChannelId,notAfter,notBefore,serialNumber,storeState,subject,usageType
18000,ExternalCA1,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:19 IST
2019,1007,Manual_
Revoke,"CN=usureshbabu.mobileiron.dev,OU=WindowsPhoneEnrollmentCA,UID=1560761719200",
18000,ExternalCA2,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:18 IST
2019,1006,Manual_Revoke,"CN=usureshbabu.mobileiron.dev,OU=SentryCA,UID=1560761718373",
18000,ExternalCA3,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:20 IST
2019,1008,Manual_
Revoke,"CN=usureshbabu.mobileiron.dev,OU=MobileIronVelaCA,UID=1560761720165",
18000,ExternalCA4,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:18 IST
2019,1005,Manual_
Revoke,"CN=usureshbabu.mobileiron.dev,OU=MobileIronClientCA,UID=1560761718120",
18000,ExternalCA5,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:20 IST
2019,1009,Manual_
Revoke,"CN=usureshbabu.mobileiron.dev,OU=MobileIronAgentCA,UID=1560761720790",
18000,ExternalCA6,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:22 IST
2019,1013,Manual_
Revoke,"CN=usureshbabu.mobileiron.dev,OU=MacOSAgentScriptSignerCA,UID=1560761722353",
18000,ExternalCA7,,,Tue Jun 08 14:20:15 IST 2049,Mon Jun 17 14:20:17 IST
2019,1004,Manual_Revoke,"CN=usureshbabu.mobileiron.dev,OU=iOSMDMCA,UID=1560761717820",
```

Get list of manually revoked certificates for specific date

This call returns a Comma Separated Value (CSV) file containing a list of manually revoked certificates for a specific date.

Required Permissions

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

/api/v1/ca/getCertStatusOnDate/?format=csv&manuallyRevokeDate=dd-mm-yyyy

Request Parameters

Parameter	Argument Type	Description	Example Value
format	Query	Required Data Type: String Specifies the format of the return list. Use csv.	csv
manuallyRevokeDate	Query	Required Data Type: String The certificate authority name. You can find this name in the Ivanti Neurons for MDM user interface by selecting Admin > Certificate Authority and selecting a name from the Name column of the Certificate Authority table.	09-12-2021

Example Request

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/ca/getCertStatusOnDate/?format=csv&manuallyRevokeDate=09-12-2021' \
--header 'Authorization: Basic <token>'
```

Response

Returns a CSV file with list of manually revoked certificates for specific date.

Example Response

```
caID,caName,certHash,mdmChannelId,notAfter,notBefore,serialNumber,storeState,subject,usageType
32144,ExternalCAH,,,Fri Dec 08 10:14:47 UTC 2023,Wed Dec 08 10:14:47 UTC
2021,xxxx23856034564930745351291156834644115064648,Manual_Revoke,CN=externaledited,
32144,ExternalCAH,,,Fri Dec 08 10:09:43 UTC 2023,Wed Dec 08 10:09:43 UTC
2021,xxxx23856023995127432786986335255338386720582,Manual_Revoke,CN=external,
```

Upload User-Provided Certificates

Use this call to upload multiple user-provided certificates by specifying certificate enrollment IDs and usernames, and providing the certificate payloads (p12) and passwords for the certificate private key. You can quickly configure user-provided certificates for multiple users without requiring each user to upload certificates using the self-service user portal, improving security by reducing the use of username and password.

Authentication

This call requires tenant admin credentials.

HTTP Method

POST

Request URI

api/v1/user_provided

Request Parameters

Parameter	Argument Type	Description	Example Value
certData	Request body	Multipart P12 file.	@smes.p12
password	Request body	Password of the P12 file being uploaded.	123456
accountUid	Request body	Account uid of the end user for which the certificate is being uploaded.	user@acme.com
policyId	Request body	Identity Certificate UP policy id for which the user provided certificate is uploaded.	35037

Example Request

```
curl -X POST https://[Ivanti Neurons for MDM]/api/v1/user_provided -H
'authorization: Basic <token>' -H 'cache-control: no-cache' -H 'content-type:
multipart/form-data; boundary=----WebKitFormBoundary7MA4YWxkTrZu0gW' -F
password=123456 -F certData=@smes.p12 -F policyId=35037 -F
accountUId=user@acme.com
```

Response

```
{
  "errors": null,
  "result": true
}
```

Delete User-Provided Certificates in Bulk Using CSV File

Use this call along with an uploaded CSV file to to automate the deletion of private keys and passwords for user-provided certificate packages that have been stored on the system for individual users and for groups of users.

Authentication

This call requires tenant admin credentials.

HTTP Method

DELETE

Request URI

/api/v1/user_provided/clearPrivateKey/csv

Request Parameters

Parameter	Argument Type	Description	Example Value
csv-data	Request body	Identifies the CSV file to upload with the request. See "CSV File Format" on the next page for more information.	@test.csv

CSV File Format

certificateIds

for example:

```
certificateIds
3
7
10
13
```

This CSV file would delete certificates with the IDs 3, 7, 10, and 13. Do not include more than 1000 IDs per CSV file.

Example Request

```
curl -X DELETE \
  https://[Ivanti Neurons for MDM]/api/v1/user_provided/clearPrivateKey/csv \
  -H 'authorization: Basic <token>' \
  -H 'content-type: multipart/form-data; boundary=----WebKitFormBoundary7MA4YWxkTrZu0gW' \
  -F csv-data=@test.csv
```

Example responses

When the key is cleared:

```
{
  "errors": null,
  "result": {
    "numberOfPrivateKeysCleared": 1,
    "invalidCertificateIds": [ ]
  }
}
```

When there is an invalid key:

```
{
  "errors": null,
  "result": {
    "numberOfPrivateKeysCleared": 0,
    "invalidCertificateIds": [
      3
    ]
  }
}
```

When there is both:

```
{
  "errors": null,
  "result": {
    "numberOfPrivateKeysCleared": 6,
    "invalidCertificateIds": [
      3
    ]
  }
}
```

When key is already cleared:

```
{
  "errors": null,
  "result": {
    "numberOfPrivateKeysCleared": 0,
    "invalidCertificateIds": [
      3
    ]
  }
}
```

When the cert count is more than 1000:

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "CERT-114",
        "message": "Clear private key request size for certificates exceeds
configured limit : 1,000 "
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

When the file is invalid format:

```
{
  "errors": {
    "globalErrors": [
      {
        "code": "CSV-100",
        "message": "The uploaded CSV File is invalid."
      }
    ],
    "fieldErrors": null
  },
  "result": null
}
```

Delete User-Provided Certificates in Bulk Using Using Account and Policy

Use this call to automate the deletion of private keys and passwords for user-provided certificate packages that have been stored on the system for individual users and for groups of users.

Authentication

This call requires tenant admin credentials.

HTTP Method

DELETE

Request URI

/api/v1/user_provided/clearPrivateKey/csv

Request Parameters

Parameter	Argument Type	Description	Example Value
accountId	Request body	The accountId of the user whose certificates to delete.	10200
userProvidedCertificatePolicyIds	Request body	The Identity Certificate UP policy ids of the certificates to delete. Use a comma separated list to delete multiple certificates.	35497

Example Request

```
curl -X DELETE \  
  https://[Ivanti Neurons for MDM]/api/v1/user_provided/clearPrivateKey \  
  -H 'authorization: Basic <token>' \  
  -H 'content-type: application/json' \  
  -d '{"accountAndUPPolicyWrappers":  
 [{"accountId":10200,"userProvidedCertificatePolicyIds":[35497]}]}'
```

Example responses

When call is successful:

```
{  
  "errors": null,  
  "result": {  
    "numberOfPrivateKeysCleared": 5,  
    "invalidAccountIds": [ ],  
    "invalidIdentityCertificateUPPolicyIds": [ ]  
  }  
}
```

When account ids and policy ids are invalid:

```
{  
  "errors": null,  
  "result": {  
    "numberOfPrivateKeysCleared": 0,  
    "invalidAccountIds": [  
      10200  
    ],  
    "invalidIdentityCertificateUPPolicyIds": [  
      35497  
    ]  
  }  
}
```

When the key is already cleared :

```
{  
  "errors": {  
    "globalErrors": [  
      {  
        "code": "KSF-101",  
        "message": "Unable to open PKCS12 keystore. File format is not valid."  
      }  
    ],  
    "fieldErrors": null  
  },  
  "result": null  
}
```

When there are invalid policy ids :

```
{
  "errors": {
    "globalErrors": null,
    "fieldErrors": [
      {
        "code": "HTTP-400-3",
        "message": "Invalid account and(or) policies specified.",
        "field": "accountAndUPPolicyWrappers"
      }
    ]
  },
  "result": null
}
```

Connector Management Calls

Get Connector status

This call gets the Ivanti Neurons for MDM Connector status.

Authentication

This call requires tenant admin credentials.

HTTP Method

GET

Request URI

api/v1/ec

Request Parameters

Parameter	Argument Type	Description	Example Value
N/A			

Example Request

```
curl --location --request GET 'https://[Ivanti Neurons for MDM]/api/v1/ec' \  
--header 'Authorization: Basic <token>' \  

```

Response fields

Field	Description
errors	
result	
searchResults	
id	
createdAt	
createdBy	
modifiedAt	
modifiedBy	
name	
description	
registrationState	
kocabVersion	
enabled	
routingTagIds	
lastConnectedAt	
available	
capabilities	
caServers	
displayName	
displayNameKey	
configOptions	
key	
defaultValue	

Field	Description
description	
descriptionKey	
required	
valueType	
key	
defaultValue	
description	
descriptionKey	
required	
valueType	
key	
defaultValue	
description	
descriptionKey	
required	
valueType	
serverType	
displayName	
displayNameKey	
configOptions	
key	
defaultValue	
description	

Field	Description
descriptionKey	
required	
valueType	
key	
defaultValue	
description	
descriptionKey	
required	
valueType	
key	
defaultValue	
description	
descriptionKey	
required	
valueType	
key	
defaultValue	
description	
descriptionKey	
required	
valueType	
unicastRoutingTagId	
loggingLevel	

Field	Description
loggingRevertsAt	
totalCount	
offset	
limit	

Response

```
{
  "errors": null,
  "result": {
    "searchResults": [
      {
        "id": 28723,
        "createdAt": 1591726945738,
        "createdBy": 67076,
        "modifiedAt": 1591748936099,
        "modifiedBy": 1,
        "name": "ppp091.auto.mobileiron.com",
        "description": null,
        "registrationState": "REGISTERED",
        "kocabVersion": "69.0.0.24",
        "enabled": true,
        "routingTagIds": [],
        "lastConnectedAt": 1591741596537,
        "available": false,
        "capabilities": {
          "caServers": [
            {
              "displayName": "Generic SCEP Server",
              "displayNameKey": "ca.connector.generic.name",
              "configOptions": [
                {
                  "key": "scep.url",
                  "defaultValue": null,
                  "description": "SCEP URL",
                  "descriptionKey":
"ca.connector.common.option.scep.url",
                  "required": true,
                  "valueType": "URL"
                },
                {
                  "key": "scep.static.challenge",
                  "defaultValue": null,
                  "description": "Static Challenge Password",
                  "descriptionKey":
"ca.connector.common.option.static.challenge",

```

```
        "required": false,
        "valueType": "STRING"
    },
    {
        "key": "scep.ca.identifier",
        "defaultValue": null,
        "description": "CA Identifier",
        "descriptionKey":
"ca.connector.common.option.ca.identifier",
        "required": false,
        "valueType": "STRING"
    }
],
"serverType": "OTHER"
},
{
    "displayName": "Microsoft NDES",
    "displayNameKey": "ca.connector.microsoft.ndes.name",
    "configOptions": [
        {
            "key": "scep.url",
            "defaultValue": null,
            "description": "SCEP URL",
            "descriptionKey":
"ca.connector.common.option.scep.url",
            "required": true,
            "valueType": "URL"
        },
        {
            "key": "microsoft.ndes.username",
            "defaultValue": null,
            "description": "Admin Username",
            "descriptionKey":
"ca.connector.microsoft.ndes.option.username",
            "required": false,
            "valueType": "STRING"
        },
        {
            "key": "microsoft.ndes.password",
            "defaultValue": null,
            "description": "Admin Password",
            "descriptionKey":
"ca.connector.microsoft.ndes.option.password",
            "required": false,
            "valueType": "PASSWORD"
        },
        {
            "key": "microsoft.ndes.challenge.url",
            "defaultValue": null,
            "description": "Challenge URL",
            "descriptionKey":
"ca.connector.microsoft.ndes.option.challengeUrl",
            "required": false,
```

```
        "valueType": "URL"
      }
    ],
    "serverType": "MICROSOFT"
  },
  {
    "displayName": "EJBCA Server",
    "displayNameKey": "ca.connector.ejbca.name",
    "configOptions": [
      {
        "key": "scep.url",
        "defaultValue": null,
        "description": "SCEP URL",
        "descriptionKey":
"ca.connector.common.option.scep.url",
        "required": true,
        "valueType": "URL"
      },
      {
        "key": "scep.static.challenge",
        "defaultValue": null,
        "description": "Static Challenge Password",
        "descriptionKey":
"ca.connector.common.option.static.challenge",
        "required": false,
        "valueType": "STRING"
      },
      {
        "key": "scep.ca.identifier",
        "defaultValue": null,
        "description": "CA Identifier",
        "descriptionKey":
"ca.connector.common.option.ca.identifier",
        "required": false,
        "valueType": "STRING"
      }
    ],
    "serverType": "EJBCA"
  }
]
},
"unicastRoutingTagId": 29697,
"loggingLevel": "INFO",
"loggingRevertsAt": null
}
],
"totalCount": 1,
"offset": 0,
"limit": 50
}
}
```