IBM MaaS360®
API Reference Guide
For Web Services

For v10.91
Updated 14 February 2025

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What's New in this Guide

Release 10.91 – 14 February 2025

- *Device Actions (V2)*: POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn} (new web service): Added 6 new API actions that executes the specified action on the target device. The new actions are Set Device Name, Buzz Device, Enable Debug Mode, Collect Logs, Remove Profile, and Send Message.
- *Search Action History (v1)*: GET /device-apis/devices/1.0/searchActionHistory/<billingID> (existing web service): Added a new sample pattern for actionExecutionTimeFrom and actionExecutionTimeTo query parameters.
- *Group Actions*: POST /actions/1.0/customer/{billingId}/action/{actionType}/group/{groupId} (new web service): Added two new actions Kiosk Enter and Kiosk Exit.
- *Device Actions (V2)*: POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn} (existing web service): Added three new actions ENABLE_APP_CONFIG_FEEDBACK, DISABLE_APP_CONFIG_FEEDBACK, and FORCE_APP_CONFIG_FEEDBACK that enables, disables, force feedback for app config on the target device.
- *Device Actions (V2)*: POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn} (new web service): Added a new API that executes the specified action on the target device.
- *Group Actions*: POST /actions/1.0/customer/{billingId}/action/{actionType}/group/{groupId} (new web service): Added a new API that executes the specified action on the target group.
- *User Actions*: POST /actions/1.0/customer/{billingId}/action/{actionType}/user/{userId} (new web service): Added a new API that executes the specified action on the user.
- *Wipe Device*: POST /device-apis/devices/1.0/wipeDevice/<billingID>/ (existing web service): Added a new parameter *removeFactoryRstProtection* that allows administrators to remove the device's factory reset protection (FRP) during the wipe process and repurpose it for another user. If FRP is not removed, the user is prompted to enter their previously activated Google credentials to reactivate the device.
- *Device Advanced Search API:* POST /device-mgmt-apis/api/customer/70030020/1.0/devices/search (new web service): Added a new API that searches for devices by setting criteria on multiple attributes. This API also allows you to search for devices using these attributes and fetches a wide range of information about them.
- *Search Devices by Device groups (v2)* : GET /device-apis/devices/2.0/searchByDeviceGroup/customer/<billingId> (new web service): Added a new API that fetches the devices belonging to a Device Group.
- *Basic Search (v2)* : GET /device-apis/devices/2.0/search/customer/<billingID> (existing web service): Added a new parameter named *itunesStoreAccountEnabled* that identifies and returns the status of iTunes account on iOS devices.
- *Create Device Enrollment*: POST /device-apis/devices/1.0/enrollDevice/<billingID>/ (existing web service): For License Management enabled customers, the *licenseNames* parameter has been updated such that if this parameter value is not provided, then the default license configured in the MaaS360 Portal (Setup > Settings > License Settings > Basic > Auto-assign licenses for self-enrollments) will be used to assign licenses to devices during enrollment.
  If *licenseNames* parameter value is not provided and a default license value is not configured in the MaaS360 Portal, then an appropriate error message will be displayed to indicate the same.

Release 10.89 – 15 June 2023

- *Get Audit of Policy Changes*: GET /policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/<billingID> (existing web service): This API has been moved from Policy to Admin Audit section.

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- *Get Audit of Ruleset Changes* : GET /rule-apis/rules/1.0/getRuleSetAudit/customer/<billingID> (existing web service): This API has been moved from Compliance Rules to Admin Audit section.

Release 10.88 – 02 December 2022

- *Search Action History (v1)*: GET /device-apis/devices/1.0/searchActionHistory/<billingID> (existing web service): Added a new sample response attribute named *result* that fetches a detailed description about the status of the actions that were taken on a device.

Release 10.87 – 26 August 2022

No APIs were updated or added for this release.

Release 10.86 – 03 June 2022

- *Get Admin Changes Audit*: GET account-provisioning/administrator/1.0/getAdminChangesAudit/customer/<billingId> (existing web service): Added a new value for the account status parameter that fetches audits for a deleted local admin account for a billing ID.

- *Add Local User Account*: POST /user-apis/user/1.0/addUser/customer/<billingID> (existing web service):
  - Added a new parameter *emailSetPwdLink* that sends an email link to set a password.
  - Updated the access rights for the API.

- *Mark Device as Lost*: POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action: Updated the request formula after receiving customer feedback.

- *Create Device Enrollment*: POST /device-apis/devices/1.0/enrollDevice/<billingID>/ (existing web service): Added a new parameter *licenseNames* where you can enter the MaaS360 service license bundle (MaaS360 Part Name) to enroll a device.

Release 10.85 – 11 March 2022

- *Get Audit of Ruleset Changes*: GET /rule-apis/rules/1.0/getRuleSetAudit/customer/<billingID> (new web service): Added a new API that fetches audits of all rule changes that were made within a specific timeframe for the billing ID of an organization.

Release 10.84 – 10 December 2021

- *Get Audit of Policy Changes*: GET /policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/<billingID> (new web service): Added a new API that fetches audits of all policy changes that were made to a billing ID of an organization.

- *Add Local User Account*: POST /user-apis/user/1.0/addUser/customer/<billingID> (existing web service): Added a new authType parameter to enable customers to pass configured authentication types in the API.

- *Add Google Play App (v1)*: POST /application-apis/applications/1.0/addPlayApp/<billingID> (existing web service): Added two new parameters *instantUpdate* and *autoUpdateMode*.

- *Add Google Play App (v2)*: POST /application-apis/applications/2.0/addPlayApp/customer/<billingID> (existing web service): Added two new parameters *instantUpdate* and *autoUpdateMode*.

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Release 10.83 – 17 September 2021

- *Authentication 2.0*: Added Authentication token validation error scenarios to the Authentication 2.0 APIs.

Release 10.82 – 25 June 2021

- *Get User and Device Groups*: GET /group-apis/group/1.0/groups/customer/<billing_id> (existing web service): Added additional description on availability of MaaS360-defined groups only if there are active distributions.

- *Download Windows Dependency*: GET /application-apis/winApps/2.0/downloadWindowsDependency/customer/<billingId> (existing web service): Added new error message DEPENDENCY_NOT_PRESENT for 200 response code if a dependency is not present.

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Overview

- MaaS360 provides REST style web-service APIs.
- The API response is in XML format.
- The API root URL varies by MaaS360 instance on which the customer account exists
  - M1: *https://services.fiberlink.com/*
  - M2: *https://services.m2.maas360.com/*
  - M3: *https://services.m3.maas360.com/*
- Every web-service request needs to include the Billing Account context – The provided Billing Account context is validated against context available with the authenticated session. All web-services will require authentication.
- UTF-8 encoding should be used when sending arguments to the API.
- All timestamp attributes returned by the webservices are in GMT

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Authentication

To use any web service, the app will need to authenticate first and get an authentication token. Once generated, authentication token is valid for 60 mins. Webservices can continue to be executed using this token and once it expires, a refreshed authentication token will need to be generated.

To be able to make the request to generate authentication token, we need to provision the app in MaaS360 with authorization to use MaaS360 webservices. Contact IBM Support for provisioning this. Once provisioned, the following information will be provided:

- App ID
- App Version
- Platform ID
- App Access Key

Request

POST /auth-apis/auth/1.0/authenticate/<billingId>

Following inputs will then need to be provided for token generation.

- ROOT_WS_URL: Depends on your MaaS360 instance
  - M1: https://services.fiberlink.com/
  - M2: https://services.m2.maas360.com/
  - M3: https://services.m3.maas360.com/
- Billing ID: <<Customer's Billing ID>>
- Administrator Username: <<Your MaaS360 Local Username>>
- Administrator Password: <<Your MaaS360 Password>>
- App ID (for App authorized to use MaaS360 services): <<App ID provisioned in MaaS360>>
- App Version: <<App Version of app provisioned in MaaS360>>
- Platform ID: 3 <<Use this for now>>
- App Access Key: <<Access Key generated by MaaS360>>
- Content-Type: application/xml

```
<authRequest>
<maaS360AdminAuth>
<billingID>xxxxxx</billingID>
<platformID>x</platformID>
<appID>xxxxxx</appID>
<appVersion>x</appVersion>
<appAccessKey>xxxxxxx</appAccessKey>
<userName>xxxxxx</userName>
<password>xxxxxx</password>
</maaS360AdminAuth>
</authRequest>
```

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Sample response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<authResponse>
  <authToken>e374441e-1226-4741-83fa-40431dbfea3d-DKrh0J3</authToken>
  <errorCode>0</errorCode>
</authResponse>
```

Response code: 200

Sample java program that uses MaaS360 web services is provided along with this document.

There are 2 java files in the zipped file:

- Authenticator.java - Outlines how to authenticate.
- Client.java – Outlines how to make device api calls (search as an example) using the token generated by the Authenticator.

Third-party jars etc. required by the sample programs are already part of the tar file. The customer will need to configure sections in the code within the following comment blocks.

```
// [[ Section to be configured by the caller


// Section to be configured by the caller ]]
```

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Authentication 2.0

To use any web service, the app will need to authenticate first and get an authentication token. The Auth 2.0 API call gives a refresh token along with the auth token. Webservices can continue to be executed using this auth token. Once the auth token expires, a refreshed authentication token can be generated by calling the refreshToken API call. Note: Refresh tokens can also expire, and in such cases the caller will have to use the Auth 2.0 api call to generate a fresh Auth Token.

To be able to make the request to generate the authentication token, provision the app in MaaS360 with the authorization to use the MaaS360 webservices. Contact IBM Support for provisioning support. Once provisioned, the following information is provided:

- App ID
- App Version
- Platform ID
- App Access Key

Admin Authentication:

Request

POST /auth-apis/auth/2.0/refreshToken/customer/<billingId>

Following inputs will then need to be provided for token generation.

- ROOT_WS_URL: Depends on your MaaS360 instance
    - M1: https://services.fiberlink.com/
    - M2: https://services.m2.maas360.com/
    - M3: *https://services.m3.maas360.com/*
    - M4: https://services.m4.maas360.com/
    - M6: https://services.m6.maas360.com/
- Billing ID: <<Customer's Billing ID>>
- Administrator Username: <<Your MaaS360 Local Username>> (Note: Use the same local username which you have used to create auth 2.0 Auth Token). It is recommended to use only local admin username since the password does not expire for local admin accounts. If you do not have a local admin user, create a local admin account with *Read-Only admin roles* and convert to a Script-Only user by which the password will not expire. This local admin user details can be used to generate Auth token and use the Web Service APIs. Note: Auth token generated by admin with Read-Only roles can only be used to make Read-Only API request calls. If used to perform any edit or create API calls, then 'unauthorizederror-401' error occurs.
- App ID (for App authorized to use MaaS360 services): <<App ID provisioned in MaaS360>>
- App Version: <<App Version of app provisioned in MaaS360>>
- Platform ID: 3 <<Use this for now>>
- Refresh Token: <<Refresh Token generated by Auth 2.0 API>>
- Content-Type: application/xml

```
<authRequest>

<maaS360AdminAuth>

<billingID>xxxx</billingID>

<userName>xxxx</userName>
```

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<appID>xxxx</appID>

<appVersion>xx</appVersion>

<platformID>x</platformID>

<refreshToken>xxxx</refreshToken>

</maaS360AdminAuth>

</authRequest>

Sample response

<authResponse>

<authToken>xxxxx</authToken>

<errorCode>0</errorCode>

< refreshToken>xxxxx</refreshToken>

</authResponse>

Response code: 200

Auth 2.0 API Success Case:

<authRequest> curl –location --request POST 'https://{root-url} /auth-apis/auth/2.0/authenticate/customer/{billingId}' \

--header 'Content-Type: application/xml' \

--header 'Accept: application/xml' \

--data-raw '<authRequest> <maaS360AdminAuth>

<platformID>x</platformID>

<billingID>xxxx</billingID>

<password>xxxx</password>

<userName>xxxx</userName>

<appID>xxxx</appID>

<appVersion>xxxx</appVersion>

<appAccessKey>xxxx</appAccessKey>

</maaS360AdminAuth> </authRequest>

Sample response

Status Code: 200

<?xml version="1.0" encoding="UTF-8" standalone="yes"?><authResponse><authToken>xxxx</authToken><errorCode>0</errorCode><refreshToken>xxxx </refreshToken></authResponse>

<authToken>xxxxx</authToken>

<errorCode>0</errorCode>

<refreshToken>xxxxx</refreshToken>

</authResponse>

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Refresh Token Success Case:

Request:

```
curl --location --request POST 'https://{root-url} /auth-
apis/auth/2.0/refreshToken/customer/{billingId} \

--header 'Content-Type: application/xml' \

--header 'Accept: application/xml' \

--data-raw '<authRequest>

<maaS360AdminAuth>

<platformID>x</platformID>

<billingID>xxxx</billingID>

<userName>xxxx</userName>

<appID>xxxx</appID>

<appVersion>xxxx</appVersion>

<refreshToken>xxxx</refreshToken>

</maaS360AdminAuth>

</authRequest>
```

setResponse:

Status Code :200

```
<?xml version="1.0" encoding="UTF-8"
standalone="yes"?><authResponse><authToken>xxxx</authToken><errorCode>0</errorCode>
<refreshToken>xxxxx</refreshToken></authResponse>
```

Authentication token validation error scenarios:

Response Code: 401

The HTTPS status code 401 occurs for any authentication token validation failures. This error might occur in any API when auth token is used to authenticate user. We recommend that the customer use the HTTP status code instead of the response body for handling authentication related API errors in the integrations.

Response for auth token error is available in either in application/xml or application/json based on the content type header of the original request. By default, the response is in application/json format.

Following are the new response structure for any auth token validation related errors in application/json content type:

Error: Response while trying to execute any API with expired auth token

```
{
   "authResponse": {
      "errorCode": 1007,
      "errorDesc": "Token expired."
   }
}
```

Action to fix error: Regenrate new token.

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Error: Response while customer account is invalid


```
{
   "authResponse": {
      "errorCode": 1008,
      "errorDesc": "Invalid account."
   }
}
```


Action to fix error: Check if the customer ID used in the API is valid.

Error: Response when token generated is invalid


```
{
   "authResponse": {
      "errorCode": 1009,
      "errorDesc": "Token invalid"
   }
}
```


Action to fix error: Check the credentials and try regenerating the token.

Error: Response when authentication scheme is not supported


```
{
   "authResponse": {
      "errorCode": 1010,
      "errorDesc": "Unsupported authentication type"
   }
}
```


Action to fix error: Use the authentication scheme supported by the APIs to generate token.

Error: Response when user does not have access to the API


```
{
   "authResponse": {
      "errorCode": 1011,
      "errorDesc": "Insufficient access rights"
   }
}
```


Action to fix error: Add the required user role and regenerate the token.

Error: Response when user is not entitled to access the workflow


```
{
   "authResponse": {
```


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"errorCode": 1013,
"errorDesc": "Not entitled"
}
}

Action to fix error: Enable required services for user and regenerate the token.

Error: Response when request URL is incorrect

{
"authResponse": {
"errorCode": 1014,
"errorDesc": "Not a valid request uri"
}
}

Action to fix error: Refer to the Webservices API documentation for correct URL.

Error: Response when customer account configuration is incorrect

{
"authResponse": {
"errorCode": 1004,
"errorDesc": "Customer setup issue"
}
}

Action to fix error: Contact MaaS360 customer support team to setup customer account.

Error: Response when error occurs while validating the token

{
"authResponse": {
"errorCode": 999,
"errorDesc": "Unexpected error validating token"
}
}

Action to fix error: Contact MaaS360 customer support team for further assistance.

Following is a sample response body for application/xml content type:

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<authResponse>
<errorCode>1007</errorCode>
<errorDesc>Token expired</errorDesc>
</authResponse>

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RefreshToken API response when the refresh token generated by auth 2.0 API is also expired:

Status Code: 200

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<authResponse>

<errorCode>1002</errorCode>

<errorDesc>Invalid credentials</errorDesc>

</authResponse>

Note: platformID in all the calls will be 3

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Compressed Content

Web service response can be retuned as compressed content to support transfer of large volumes of data.

Webservice client will have send the following Header to indicate that it wants compressed content: **Accept-Encoding:deflate**.

In case the Webservice client accepts compressed content, server may return compressed content. In this case it will return following header indicating that the content is compressed using deflate: **Content-Encoding:deflate**.

If client doesn't send **Accept-Encoding:deflate** header, the response will never be compressed by server.

Webservice client needs to decompress the received data else it will be illegible.

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Error Codes

Web-services will return a Response and HTTP Response Status Code.

- Status Code indicates whether the web-service has executed successfully or an error condition. Possible values:
  - 200 OK: Success
  - 400 Bad Request: The web-service request was invalid.
  - 401 Unauthorized: Authentication for the web-service request failed. Invalid credentials.
  - 403 Forbidden: Web-service request is requesting a resource that the server does not allow access to.
  - 404 Not Found: The requested resource is not found.
  - 500 Internal Server Error: An internal server error occurred while processing the request.
  - 502 Bad Gateway: MaaS360 Web-service server is not reachable.
  - 503 Service Unavailable: The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.
  - 204 No Content
- Response contains the result of web-service execution

In case of critical errors, following is the recommendation:

- 500: Report a bug. Do not retry till the bug is fixed
- 502: Retry after 10 min
- 503: Retry after 10 min

Webservice usage limits

MaaS360 continuously monitors usage of webservices and at an account level, by default, applies the following limits per day for various categories of webservices:

- device-apis/: 100,000
- auth-apis/: 250,000
- application-apis/: 100,000
- user-apis/: 100,000
- actions/: 100,000

In case you exceed these limits and want to increase them, contact IBM Support with details of your current usage.

In every webservice, the following new HTTP headers are returned. Inspect these headers for data on webservices usage.

- X-Rate-Limit-Max: The rate limit ceiling for that given request
- X-Rate-Limit-Remaining: The number of requests left for the day window <24 hours - not calendar day>
- X-Rate-Limit-ResetWindow: The remaining window before the rate limit resets in seconds - from time of call

On exceeding the rate limits for the day, API calls will return an HTTP 429 “Too Many Requests” or HTTP 500 (Internal Server Error) response code (HTTP 500 is likely with Apache 2.1).

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Webservice clients should respect these error codes and stop calling webservices for the remaining period of the day.

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Device View to Platform Matrix

Methods	Windows	Mac	ActiveSync Devices	Traveler Devices	iOS MDM	Android MDM	Windows Phone
Basic Search	X	X	X	X	X	X	X
Get Core Attributes	X	X	X	X	X	X	X
Get Summary Attributes	X	X	X	X	X	X	X
Get Hardware Inventory	X	X	X	X	X	X	X
Get Device Identity Attributes	X	X	X	X	X	X	X
Get Software Installed	X	X			X	X	X
Get Security & Compliance Information for a Mobile Device			X	X	X	X	X
Get Enabled MaaS360 Services for a Device					X	X	X
Get Network Information for a Mobile Device					X	X	X
Get Patch Information for a Computer	X	X					
Get Network Information for a Computer	X	X					
Get Security Applications Information	X	X					
Get Application Distributions	X				X	X	X
Get Location History					X	X	X
Get Cellular Data Usage for a Device					X	X	
Get Devices with Associated Users					X	X	
Get Groups for a Device					X	X	X
Get Relevant Data Views for a Device	X	X	X	X	X	X	X
Get Relevant Actions for a Device	X	X	X	X	X	X	X
Set Device Name					X	X	

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Device Actions to Platform Matrix

Methods	Windows	Mac	ActiveSync Devices	Traveler Devices	iOS MDM	Android MDM	Windows Phone MDM
Refresh Device Information					X	X	X
Assign a User to a Device					X	X	
Set Custom Attribute Value					X	X	
Refresh Device Information					X	X	
Send Message					X	X	
Locate Device					X	X	X
Lock Device					X	X	X
Reset Device Passcode					X	X	X
Change Device Policy			X		X	X	X
Change Compliance Ruleset			X	X	X	X	X
Update Device Certificate					X	X	X
Selective Wipe Device					X	X	X
Revoke Selective Wipe					X	X	X
Wipe Device			X	X	X	X	X
Cancel Pending Wipe			X	X	X	X	X
Approve Device in Messaging System			X	X			
Block Device in Messaging System			X	X			
Remove Device	X	X	X	X	X	X	X
Remove Device from Mailbox Server			X	X			
Hide Device	X	X	X	X	X	X	X
Check Action Status	X	X	X	X	X	X	X
Search Action History	X	X	X	X	X	X	X

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Device

Basic Search (v1)

Request

GET /device-apis/devices/1.0/search/<billingID>

Definition

- Search for devices by Device Name, Username, Phone Number, Platform, Device Status and other Device Identifiers
- Support for partial match for Device Name, Username, Phone Number
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
deviceStatus	Optional	Active or Inactive
partialDeviceName	Optional	Partial (Starts with) or full Device Name string that needs to be searched for
partialUsername	Optional	Partial (Starts with) or full Username string that needs to be searched for
partialPhoneNumber	Optional	Partial (Starts with) or full Phone Number that needs to be searched for
udid	Optional	Full UDID of the device. Specific to iOS devices
imeiMeid	Optional	Full IMEI or MEID of the device
wifiMacAddress	Optional	Full Wi-Fi Mac Address of the device
mailboxDeviceId	Optional	Full ActiveSync ID of the device
excludeCloudExtenders	Optional	Possible values: Yes (Default), No
platformName	Optional	Windows Mac iOS BlackBerry Android Windows Mobile Symbian Windows Phone 7 Others
operator	Optional	Operator to be used between various criteria. Default value = “AND”
match	Optional	0 indicates Partial match for Device Name, Username, Phone Number – This is the default value 1 indicates Exact match
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed
sortAttribute	Optional	Possible values: - lastReported (Default) - installedDate
sortOrder	Optional	Possible values: - asc - dsc (Default)

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Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/search/1101234?deviceStatus=Active&partialDeviceName=BBFL&partialUsername=ther&partialPhoneNumber=99005&platformName=Windows&operator=OR&match=0&pageSize=25&pageNumber=2

Sample Response


```
<devices>
   <device>
      <maas360DeviceID>ApplF17R9GAGGRY5</maas360DeviceID>
      <deviceName>iPhone</deviceName>
      <customAssetNumber></customAssetNumber>
      <ownership>Corporate Owned</ownership>
      <deviceOwner></deviceOwner>
      <username>vinayaknp</username>
      <emailAddress>vinayaknp@in.ibm.com</emailAddress>
      <platformName>iOS</platformName>
      <sourceID>1</sourceID>
      <deviceType>Smartphone</deviceType>
      <manufacturer>Apple</manufacturer>
      <model>iPhone 6S</model>
      <osName>iOS 11</osName>
      <osServicePack></osServicePack>
      <imeiEsn>355763072568722</imeiEsn>
      <installedDate>2017-12-08T07:53:53</installedDate>
      <lastReported>2017-12-08T07:53:54</lastReported>
      <installedDateInEpochms>1512719633199</installedDateInEpochms>
      <lastReportedInEpochms>1512719634449</lastReportedInEpochms>
      <deviceStatus>Active</deviceStatus>
      <maas360ManagedStatus>Enrolled</maas360ManagedStatus>
      <udid>647f87aaa8a9ede2cdf6773e886b18067232fbf5</udid>
      <wifiMacAddress>e4:9a:79:d7:0e:06</wifiMacAddress>
      <mailboxDeviceId></mailboxDeviceId>
      <mailboxLastReported></mailboxLastReported>
      <mailboxLastReportedInEpochms></mailboxLastReportedInEpochms>
      <mailboxManaged></mailboxManaged>
      <isSupervisedDevice>false</isSupervisedDevice>
      <testDevice>false</testDevice>
      <unifiedTravelerDeviceId>3UV2UD4GP564N3T67UD4AG50AS</unifiedTravelerDeviceId>
   </device>
   <count>1</count>
   <pageNumber>1</pageNumber>
   <pageSize>1</pageSize>
</devices>
```


Possible values for SourceID:
1: Device
2: Messaging Server (Exchange Server/Lotus Notes)
3: Device as well as Messaging Server (Exchange Server/Lotus Notes)
4: BES

Mandatory attributes in Response

- maas360DeviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus

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Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Basic Search (v2)

Request

GET /device-apis/devices/2.0/search/customer/<billingID>

Definition

- Search for devices by Device Name, Username, Phone Number, Platform, Device Status and other Device Identifiers
- Support for partial match for Device Name, Username, Phone Number
- Get results on specified pages of the Result-set
- Returns JSON as default response. Only when Accept header is set to application/xml, XML response is returned

Parameters

Parameter Name	Required / Optional	Description
deviceStatus	Optional	Active or Inactive
partialDeviceName	Optional	Partial (Starts with) or full Device Name string
partialUsername	Optional	Partial (Starts with) or full Username string
partialPhoneNumber	Optional	Partial (Starts with) or full Phone Number
udid	Optional	Full UDID of the device. Specific to iOS devices
imeiMeid	Optional	Full IMEI or MEID of the device
wifiMacAddress	Optional	Full Wi-Fi Mac Address of the device
mailboxDeviceId	Optional	Full ActiveSync ID of the device
platformName	Optional	Windows Mac iOS BlackBerry Android Windows Mobile Symbian Windows Phone 7 Others
excludeCloudExtenders	Optional	Possible values: Yes (Default), No
maas360DeviceId	Optional	Full MaaS360 Device ID string that needs to be searched for
userDomain	Optional	Full User domain string that needs to be searched for
email	Optional	Full Email address string that needs to be searched fo
maas360ManagedStatus	Optional	Possible values: - Inactive - Activated - Control Removed - Pending Control Removed - User Removed Control - Not Enrolled - Enrolled
mailBoxManaged	Optional	Possible values: - ActiveSync - Domino - BES - GmailSync
mdmMailboxDeviceId	Optional	Full ActiveSync Device ID of the device reported by MDM
plcCompliance	Optional	Possible values: OOC, ALL (Default)
ruleCompliance	Optional	Possible values: OOC, ALL (Default)
appCompliance	Optional	Possible values: OOC, ALL (Default)
pswdCompliance	Optional	Possible values: OOC, ALL (Default)

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selectiveWipe	Optional	Possible values: NOTAPPLIED, PENDING, COMPLETE
installedAfter	Optional	Installed date after
lastReportedAfter	Optional	Last reported date after
operator	Optional	Operator to be used between various criteria. Default value = “AND”
match	Optional	0 indicates Partial match for Device Name, Username, Phone Number – This is the default value 1 indicates Exact match
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 250
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed
sortAttribute	Optional	Possible values: - lastReported (Default) - installedDate
sortOrder	Optional	Possible values: - asc - dsc (Default)
itunesStoreAccountEnabled	Optional	Identifies and returns the status of iTunes account on iOS devices. Possible values: - Yes - No - Not Available

Sample Request

https://services.fiberlink.com/device-apis/devices/2.0/search/customer/1101234?deviceStatus=Active&partialDeviceName=BBFL&partialUsername=lind&partialPhoneNumber=99005&platformName=Windows&operator=OR&match=0&pageSize=25&pageNumber=2

Sample Response


```
<device>
<maas360DeviceID>ApplIOS100520133634_00</maas360DeviceID>
<deviceName>IOS100520133634_00</deviceName>
<customAssetNumber></customAssetNumber>
<ownership>Not Defined</ownership>
<deviceOwner></deviceOwner>
<username>STO_94974_100520133638</username>
<emailAddress>testflk@fiberlink.com</emailAddress>
<platformName>iOS</platformName>
<sourceID>1</sourceID>
<deviceType>Smartphone</deviceType>
<manufacturer>Apple</manufacturer>
<model>iPhone 8</model>
<osName>iOS 12</osName>
<osServicePack></osServicePack>
<imeiEsn>012159007729114</imeiEsn>
<installedDate>2020-05-10T17:38:44</installedDate>
<lastReported>2020-05-10T17:40:26</lastReported>
<installedDateInEpochms>1589132324379</installedDateInEpochms>
<lastReportedInEpochms>1589132426667</lastReportedInEpochms>
<deviceStatus>Active</deviceStatus>
<maas360ManagedStatus>Enrolled</maas360ManagedStatus>
<udid>afe9a589-02bf-4414-ba32-50c791a61b8a</udid>
<wifiMacAddress>ts:83:78:2b:lu:8o</wifiMacAddress>
```


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```
<mailboxDeviceId></mailboxDeviceId>
<mailboxLastReported></mailboxLastReported>
<mailboxLastReportedInEpochms></mailboxLastReportedInEpochms>
<mailboxManaged></mailboxManaged>
<isSupervisedDevice>false</isSupervisedDevice>
<testDevice>false</testDevice>
<itunesStoreAccountEnabled>Yes</itunesStoreAccountEnabled>
<unifiedTravelerDeviceId>ApplIOS100520133634_00</unifiedTravelerDeviceId>
<phoneNumber>+919845378610</phoneNumber>
<osVersion>12.0.1 (8A400)</osVersion>
<enrollmentMode>ENROLLMENT</enrollmentMode>
<platformSerialNumber>IOS100520133634_00</platformSerialNumber>
<userDomain>ibm</userDomain>
<firstRegisteredInEpochms>1589132324379</firstRegisteredInEpochms>
<lastRegisteredInEpochms>1589132324379</lastRegisteredInEpochms>
<lastMdmRegisteredInEpochms>1589132324617</lastMdmRegisteredInEpochms>
<policyComplianceState>In Compliance</policyComplianceState>
<appComplianceState>In Compliance</appComplianceState>
<ruleComplianceState></ruleComplianceState>
<selectiveWipeStatus>N/a</selectiveWipeStatus>
<jailbreakStatus>Not Available</jailbreakStatus>
<encryptionStatus>File-level</encryptionStatus>
<passcodeCompliance>Compliant</passcodeCompliance>
<mdmMailboxDeviceId></mdmMailboxDeviceId>
</device>
<count>1</count>
<pageNumber>1</pageNumber>
<pageSize>1</pageSize></devices>
```


Sample Response (JSON)


```
{
    "devices": {
        "device": {
            "maas360DeviceID": "Android9259e0dc4313df19",
            "deviceName": "smadala-Moto G (4)",
            "customAssetNumber": "",
            "ownership": "Corporate Owned",
            "deviceOwner": "",
            "username": "smadala",
            "emailAddress": "shimadal@in.ibm.com",
            "platformName": "Android",
            "sourceID": 1,
            "deviceType": "Smartphone",
            "manufacturer": "motorola",
            "model": "Moto G (4)",
            "osName": "Android 7.0 (NPJS25.93-14-18)",
            "osServicePack": "",
            "imeiEsn": 358223072695451,
            "installedDate": "2020-05-23T13:20:40",
            "lastReported": "2020-06-09T08:56:13",
            "installedDateInEpochms": 1590240040152,
            "lastReportedInEpochms": 1591692973366,
            "deviceStatus": "Active",
            "maas360ManagedStatus": "User Removed Control",
            "udid": "Android9259e0dc4313df19",
            "wifiMacAddress": "68:c4:4d:71:80:04",
            "mailboxDeviceId": "",
            "mailboxLastReported": "",
            "mailboxLastReportedInEpochms": "",
            "mailboxManaged": "",
```


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"isSupervisedDevice": false,
"testDevice": false,
"itunesStoreAccountEnabled": Yes
"unifiedTravelerDeviceId": "Android9259e0dc4313df19",
"phoneNumber": "",
"osVersion": 7,
"enrollmentMode": "ENROLLMENT",
"platformSerialNumber": "ZY223HTRDB",
"userDomain": "ibm",
"firstRegisteredInEpochms": 1590240040152,
"lastRegisteredInEpochms": 1590240040152,
"lastMdmRegisteredInEpochms": 1590240040252,
"policyComplianceState": "In Compliance",
"appComplianceState": "In Compliance",
"ruleComplianceState": "",
"selectiveWipeStatus": "Pending",
"jailbreakStatus": "No",
"encryptionStatus": "No Encryption",
"passcodeCompliance": "Compliant",
"mdmMailboxDeviceId": ""
},
"count": 1,
"pageNumber": 1,
"pageSize": 1
}
}

Possible values for SourceID:
1: Device
2: Messaging Server (Exchange Server/Lotus Notes)
3: Device as well as Messaging Server (Exchange Server/Lotus Notes)
4: BES

Mandatory attributes in Response

- maas360DeviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Device Advanced Search API

Request

POST /device-mgmt-apis/api/customer/70030020/1.0/devices/search
Content Type Header: application/JSON

Definition

- Search for devices by setting criteria on multiple attributes. This API also allows you to search for devices using these attributes and fetches a wide range of information about them.
- Provides the result in pages, one after another, until the search is complete.
- Returns JSON as the default response.

Request Body


```
{
   {"lookupId”: null,
"identifierType":"id",
"fetchSize":50,
"attributes":null, "categories":"coreDevice,customAttributes", "searchQuery":{"1":
{"attribute":"active","criteria":"EQUALS","value":"true","value1":null,"isCustomerManaged":false},
"2":{"attribute":"platformName","criteria":"EQUALS","value":"Android","value1":null,"isCustomerManaged":fa
lse}, "3":{"attribute":"managedStatus","criteria":"EQUALS","value":"Enrolled","value1":null},
"6":{"attribute":"abcd","criteria":"EQUALS","value":"abcd","value1":null,"isCustomerManaged":true},
"expression":"(1 and 2 and 3 and 6)"} }
```


Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the customer

searchQuery	Required: for first call	Contains all criteria for searching a device
		{
		"1": {
		"attribute": "attribute 1 name",
		"criteria": "criteria based on attribute (LIKE,EQUALS,MORETHAN ...)",
		"value": "value against which comparison should happen",
		"value1": null
		,"isCustomerManaged":true/false
		},
		"2": {
		"attribute": "attribute 1 name", "criteria": "criteria based on attribute (LIKE,EQUALS,MORETHAN ...)",
		"value": "value against which comparison should happen",
		"value1": "required if there is range for criteria"
		}

fetchSize	Optional	Allowed fetch sizes: 50, 100, 250. Default value: 50 The value passed in the first call is respected for subsequent calls.
attributes	Optional	Device attributes that the caller would like to receive in response. The attribute value is displayed when a single entry is added to the categories.
categories	Optional	Device Categories that the caller would like to receive in response. A minimum of 10 categories can be searched.

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lookupId	Required from the second call onwards	A lookup ID for the next set of records when there are more devices in a search. This can be used in a subsequent request to obtain more products, and so forth. **Note:** - This parameter cannot be used in the initial request. - The lookupId expires after 45 mins.
identifierType	Required	ID or deviceIdentifier - ID: response ID contains deviceID - deviceIdentifier: response ID contains deviceIdentifier (csn)

SearchQuery Format

Basic Condition	Representation: Adv search Query param
If the device status = active	{"1":{"attribute":"active","criteria":"EQUALS","value":"true"} }
If the partial device name= deviceName	{"2":{"attribute":" deviceName ","criteria":" STARTSWITH ","value":" usrMoto6"} }
If the partial username= deviceUserName	{"3":{"attribute":"deviceUserName","criteria":"STARTSWITH","value":"john"} }
If the uuid attribute value= uuid	{"4":{"attribute":"uuid","criteria":"EQUALSIGNORECASE","value":"ios"} }

If the platform name value= platformName	{
	"3":{"attribute":"platformName","criteria":"EQUALS","value":"Android","value1":null}
	}

If the exclude Cloud Extenders value= yes	{
	"6":{"attribute":"individualDataSrc","criteria":"NOT","value":"CE" }
	}

If the Maas360 Device Id= maas360DeviceIdentifier	{"1":{"attribute":"maas360DeviceIdentifier","criteria":"EQUALSIGNORECASE","value":"Android1234"} }
If the user Domain= deviceDomain	{"1": {"attribute":" deviceDomain ","criteria":"EQUALSIGNORECASE","value":"xyz"} }
If the email address= emailAddress	{"1":{"attribute":"emailAddress","criteria":"EQUALSIGNORECASE","value":"abc@xyz.com"} }
If the Maas360 Managed Status= managedStatus	{"1":{"attribute":"managedStatus","criteria":"EQUALSIGNORECASE","value":"Enrolled"} }
If the mailbox Managed attribute value= mailboxAgent	{"1":{"attribute":"mailboxAgent","criteria":"EQUALSIGNORECASE","value":"ActiveSync"} }
Select the selective Wipe attribute	{"1":{"attribute":"selectiveWipeStatus","criteria":"EQUALS","value":"COMPLETE"} }
If the MdmMailbox Device Id= iosEasDeviceIdentifier	{"1":{"attribute":" iosEasDeviceIdentifier ","criteria":"EQUALSIGNORECASE","value":"asdd"} }
If the Plc Compliance state= policyComplianceState	{"1":{"attribute":" policyComplianceState ","criteria":" EQUALS ","value":"OOC"} }

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If the Rule Compliance state= rulesComplianceState	{"1":{"attribute":" rulesComplianceState ","criteria":" EQUALS ","value":"OOC"} }
If the App Compliance State= rulesComplianceState	{"1":{"attribute":" rulesComplianceState ","criteria":" EQUALS ","value":"OOC"} }
If the password compliance state= pwdComplianceStatus	{"1":{"attribute":" pwdComplianceStatus ","criteria":" EQUALS ","value":"OOC"} }
If the installed after status= firstReported	{"1":{"attribute":" firstReported ","criteria":" MERETHAN","value":"12345"} }
If the last Reported After status= lastReported	{"1": {"attribute":" lastReported ","criteria":" MERETHAN ","value":"12345"} }
If the Custom attribute Test value= abcd	"6":{"attribute":"Test","criteria":"EQUALS","value":"abcd","value1":null,"isCustomerManaged":true}

Criteria condition for attribute type

Attribute Type	Conditions
long	- LESSTHAN - NOT - EQUALS - MORETHAN - LESSTHANEQUALS - BETWEEN - MORETHANEQUALS - NOTEMPTY - EMPTY
date	- IN_MORETHAN - NOTIN_LESSTHAN - EQUALS - MORETHAN - BETWEEN - LESSTHAN - NOTEMPTY - EMPTY
timestamp	- IN_MORETHAN - NOTIN_LESSTHAN - LESSTHAN - BETWEEN - EQUALS - MORETHAN - NOTEMPTY - EMPTY
boolean	- NOT - EQUALS - NOTEMPTY - EMPTY
STRING	- NOT - DOESNOTCONTAIN - ENDSWITH - EQUALSIGNORECASE - LIKE - STARTSWITH

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	- NOTEMPTY - EMPTY
integer	- EQUALS - MORETHAN - LESSTHANEQUALS - NOT - LESSTHAN - MORETHANEQUALS - BETWEEN - NOTEMPTY - EMPTY
enum	EQUALS
double	- EQUALS - MORETHAN - LESSTHANEQUALS - NOT - LESSTHAN - MORETHANEQUALS - BETWEEN - NOTEMPTY - EMPTY
version	- EQUALS - NOT - LESSTHAN - LESSTHANEQUALS - MORETHAN - MORETHANEQUALS - NOTEMPTY - EMPTY

Sample Response


```
"data": [
    {
        "type": "device",
        "id": "<ID>",
        "attributes": {
            "categories":
                "coreDevice": {
                    "deviceType": "Smartphone",
                    "managedStatus": "Enrolled",
                    "billingId": <Billing_ID>,
                    "mailboxManagedStatus": "Inactive",
                    "mdmManagedStatus": "Enrolled",
                    "active": true,
                    "platformId": 5,
                    "firstReported": "1680432288055",
                    "deviceName": "CPSDevice",
                    "uuid": "Androida7533ac64d1eb1fb",
                    "manufacturer": "samsung",
                    "emailAddress": "testflk@fiberlink.com",
                    "deviceIdentifier": "androidc12186001Sun02042023054445",
                    "deviceUserName": "Andriod_user_020423054212",
                    "lastReported": "1680432288842",
                    "deviceDomain": "test",
                    "individualDataSrc": "Android",
                    "enrollmentMode": "ENROLLMENT",
                    "model": "SM-N986U",
                    "id": <ID>,
                    "platformName": "Android",
                    "ownedBy": "Not Defined"
```


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```
            },
            "customAttributes": {
                "deviceOwner": "newOwner",
                "purchaseOrderNumber": "abc12",
                "isTestDevice": false,
                "abcd": "abcd"
            }
        }
    }
}]
```


Mandatory attributes in Response

- Data
- Type
- ID
- Attributes
- Categories
- nextLookupId
- currentLookupId
- currentLookupSize

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - Edit

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Get Core Attributes

Request

GET /device-apis/devices/1.0/core/<billingID>

Definition

- Get core attributes of a device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/core/1101234?deviceId=a2e13f

Sample Response


```
<device>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <deviceName>BBFLLT3337</deviceName>
        <customAssetNumber>09026</customAssetNumber>
        <ownership>Employee Owned</ownership>
        <deviceOwner>Stephen Murphy</deviceOwner>
        <username>smurphy</username>
        <emailAddress>smurphy@example.com</emailAddress>
        <platformName>Windows</platformName>
        <sourceID>1</sourceID>
        <deviceType>Laptop</deviceType>
        <manufacturer>Lenovo</manufacturer>
        <model>T400</model>
        <osName>Microsoft Windows XP</osName>
        <osServicePack>SP2</osServicePack>
        <imeiEsn>3456789019202019</imeiEsn>
        <wifiMacAddress>09:AB:12:12:21:13</wifiMacAddress>
        <udid>8e380a56a937cce81620b143359d3404498dd638</udid>
        <unifiedTravelerDeviceId>ApplCCQK66E7F4JR</unifiedTravelerDeviceId>
        <installedDate>2016-09-28T10:53:10</installedDate>
        <lastReported>2016-10-09T04:01:37</lastReported>
        <deviceStatus>Active</deviceStatus>
        <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
        <mailboxManaged>ActiveSync Managed</mailboxManaged>
        <mailboxDeviceID>Appl1234567</mailboxDeviceID>
        <mailboxLastReported>2016-10-09T04:01:37</mailboxLastReported>
</device>
```


Mandatory attributes in Response

- maas360DeviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus

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Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Get Summary Attributes

Request

GET /device-apis/devices/1.0/summary/<billingID>

Definition

- Get summary attributes of a device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/summary/1101234?deviceId=a2e13f

Sample Response

```
<deviceSummary>
        <maas360DeviceId>a2e13f</maas360DeviceId>
        <deviceAttributes>
                <deviceAttribute>
                        <key>isOnline</key>
                        <type>Boolean</type>
                        <value>Yes</value>
                <deviceAttribute>
        </deviceAttributes>
</deviceSummary>
```

Mandatory attributes in Response

- maas360DeviceId
- key
- type

Various Device Attributes

Platform = 1 (Windows)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	IBM	Hardware	10
Model	String	ThinkPad T42	Hardware	20
Physical Memory Installed (MB)	Integer	1024	Hardware	30
Free Space On System Drive(%)	Percentage	64.97 %	Hardware	40
Operating System	String	Microsoft Windows XP	Hardware	50
Office/Location	String	Bangalore	Hardware	60
Anti-Virus Status	String	Not Detected	Security	10
Anti-Virus Definition Date	Date	2010-12-30	Security	20
Anti-Spyware Status	String	Not Detected	Security	30
Personal Firewall Status	String	Not Detected	Security	40

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Encryption Status	String	Not Detected	Security	50
Last Backup	Date	2010-12-30	Security	60
Microsoft Auto-Update Status	String	Disabled	Security	70
Missing Critical Security Patches	Integer	10	Security	80
Service Package	String	Operational Visibility	MaaS360 Services	10
Installed Date (GMT)	Timestamp	2010-11-30T05:52:53.011+00:00	MaaS360 Services	20

Platform = 2 (Mac)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	IBM	Hardware	10
Model	String	ThinkPad T42	Hardware	20
Physical Memory Installed (MB)	Integer	1024	Hardware	30
Free Space On System Drive(%)	Percentage	64.97 %	Hardware	40
Operating System	String	Microsoft Windows XP	Hardware	50
Office/Location	String	Bangalore	Hardware	60
Service Package	String	Operational Visibility	MaaS360 Services	10
Installed Date (GMT)	Timestamp	2010-11-30T05:52:53.011+00:00	MaaS360 Services	20

Source = 2 & Any Platform value

Key	Type	Example Value	Display Section	Display Order
Installed Date (GMT)	Timestamp	2016-10-05T09:25:44	Hardware	10
Email Address	String	smurphy@example.com	Hardware	20
Manufacturer	String	IBM	Hardware	30
Model	String	ThinkPad T42	Hardware	40
Operating System	String	Microsoft Windows XP	Hardware	50
Default Language	String	Bangalore	Hardware	60
ActiveSync Agent	String	RoadSync-Android/2.502	Hardware	70
ActiveSync Device ID	String	354957034059348	Hardware	80
Exchange Approval State	String	Quarantined	Security & Compliance	10
Remote Wipe Support	String	Yes	Security & Compliance	20
Device Wiped	String	Pending	Security & Compliance	30
Last Wipe Applied Date (GMT)	Timestamp	2010-11-30T05:52:53.011+00:00	Security & Compliance	40
Exchange ActiveSync Policy	String	9.3 Exchange	Security & Compliance	50
Last Policy Updated Date (GMT)	Timestamp	2016-10-09T03:26:08	Security & Compliance	60
Device Passcode Status	String	Passcode Policy Not Configured	Security & Compliance	70

Source = 1 or 3 & Platform = 3 (iOS)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	Apple	Hardware	10
Model	String	iPhone 3Gs	Hardware	20
Operating System	String	iOS4	Hardware	30
Free Internal Storage (GB)	Integer	10.25	Hardware	40

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Apple Serial Number	String	86019B093NQ	Hardware	50
Ownership	String	Corporate Owned	Hardware	60
Exchange Activated	String	Yes	Hardware	70
Email Address	String	smurphy@example.com	Hardware	80
Phone Number	String	09742040039	Network Information	10
ICCID	String	8991 8600 4420 2837 752	Network Information	20
Roaming	String	No	Network Information	30
International Data Roaming Enabled	String	Enabled	Network Information	40
Home Carrier	String	Vodafone	Network Information	50
Current Carrier	String	Vodafone	Network Information	60
MDM Policy	String	General Policy - vipin (5)	Security & Compliance	10
Device Passcode Status	String	Compliant	Security & Compliance	20
Hardware Encryption	String	Block-level & File-level	Security & Compliance	30
Exchange Approval State	String	Approved	Security & Compliance	40

Source = 4 (BES)

Key	Type	Example Value	Display Section	Display Order
PIN	String	22100AB1	Hardware	10
Model	String	Curve 8900	Hardware	20
Operating System Version	String	6.0.0.284	Hardware	30
Ownership	String	Corporate Owned	Hardware	40
Test Device	Boolean	Yes	Hardware	45
Email Address	String	smurphy@example.com	Hardware	50
Phone Number	String	09742040039	Network Information	10
ICCID	String	8991 8600 4420 2837 752	Network Information	20
Home Carrier	String	Vodafone	Network Information	30
Current Carrier	String	Vodafone	Network Information	40
Last Time Message Received by Device	Timestamp	2010-11-30T05:52:53	Messaging History	10
Last Time Message Sent from Device	Timestamp	2010-11-30T05:52:53	Messaging History	20
BES Policy Name	String	General Policy - vipin (5)	Security & Compliance	10
Policy Compliance State	String	In-Compliance	Security & Compliance	20
Device Passcode Status	String	Compliant	Security & Compliance	30
User-Device Configuration	String	Default Configuration	Security & Compliance	40

Source = 1 or 3 and Platform = 5 (Android)

Key	Type	Example Value	Display Section	Display Order

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Manufacturer	String	Apple	Hardware	10
Model	String	iPhone 3Gs	Hardware	20
Operating System	String	iOS4	Hardware	30
Total Free Storage (GB)	Integer	10.25	Hardware	40
Device Serial Number	String	86019B093NQ	Hardware	50
Ownership	String	Corporate Owned	Hardware	60
Test Device	Boolean	Yes	Hardware	65
Exchange Activated	String	Yes	Hardware	70
Email Address	String	smurphy@example.com	Hardware	80
Phone Number	String	09742040039	Network Information	10
SIM	String	8991 8600 4420 2837 752	Network Information	20
Roaming	String	No	Network Information	30
International Data Roaming Enabled	String	Enabled	Network Information	40
Home Carrier	String	Vodafone	Network Information	50
Current Carrier	String	Vodafone	Network Information	60
MDM Policy	String	General Policy - vipin (5)	Security & Compliance	10
Policy Compliance State	String	In-Compliance	Security & Compliance	20
Device Rooted	String	No	Security & Compliance	30
Background Data Sync Enabled	String	No	Security & Compliance	40
Device Passcode Status	String	Compliant	Security & Compliance	50
Exchange Approval State	String	Approved	Security & Compliance	60

Source = 1 or 3 and Platform = 7 (Symbian)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	Apple	Hardware	10
Model	String	iPhone 3Gs	Hardware	20
Operating System	String	iOS4	Hardware	30
Total Free Storage (GB)	Integer	10.25	Hardware	40
Device Serial Number	String	86019B093NQ	Hardware	50
Ownership	String	Corporate Owned	Hardware	60
Test Device	Boolean	Yes	Hardware	65
Exchange Activated	String	Yes	Hardware	70
Email Address	String	smurphy@example.com	Hardware	80
Phone Number	String	09742040039	Network Information	10
SIM	String	8991 8600 4420 2837 752	Network Information	20
Roaming	String	No	Network Information	30
International Data Roaming Enabled	String	Enabled	Network Information	40
Home Carrier	String	Vodafone	Network Information	50
Current Carrier	String	Vodafone	Network Information	60

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Device Passcode Status	String	Compliant	Security & Compliance	10
Hardware Encryption	String	No	Security & Compliance	20
Data Backup Enabled	String	No	Security & Compliance	30

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Get Hardware Inventory

Request

GET /device-apis/devices/1.0/hardwareInventory/<billingID>

Definition

- Get hardware inventory attributes of a device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/hardwareInventory/1101234?deviceId=a2e13f

Sample Response

```
<deviceHardware>
        <maas360DeviceId>a2e13f</maas360DeviceId>
        <deviceAttributes>
                <deviceAttribute>
                        <key>Manufacturer</key>
                        <type>String</type>
                        <value>Dell Inc</value>
                <deviceAttribute>
        </deviceAttributes>
</deviceHardware>
```

Mandatory attributes in Response

- maas360DeviceId
- key
- type

Various Device Attributes

Platform = 1 (Windows)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	IBM	Hardware	10
Model	String	ThinkPad T42	Hardware	20
Model ID	String	Latitude E5500	Hardware	30
Device Type	String	Laptop	Hardware	40
Motherboard Serial Number	String	.2F5NXG1.CN7016695D0003.	Hardware	50
BIOS Serial Number	String	2F5NXG1	Hardware	60
BIOS Date	Date	30/07/2010	Hardware	70
Processor	String	Intel(R) Core(TM)2 Duo CPU T9550 @ 2.66GHz	Hardware	80
Physical Memory Installed (MB)	Integer	4 GB	Hardware	90
WMI Status	String	Running	Hardware	100
Test Device	String	No	Hardware	110
OS Username	String	Jdoe	Hardware	120
User Access Level	String	Administrator	Hardware	130

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CD/DVD Name	String	HL-DT-ST DVD+-RW GT10N ATA Device	Hardware	140
Local Timezone	String	(UTC-05:00) Eastern Time (US & Canada)	Hardware	150
Number of Drives	Integer	2	Hardware	160
Total Drive Size (GB)	Float	160	Hardware	170
Total Free Space (GB)	Float	25	Hardware	180
Operating System	String	Microsoft Windows 7	Operating System	10
OS Edition	String	Enterprise Edition	Operating System	20
Service Pack	String	SP1	Operating System	30
OS Architecture	String	32 bit	Operating System	40
Version	String	6.1.7600	Operating System	50
Default OS Language	String	English - United States	Operating System	60
Microsoft Auto-Update Status	String	Automatically download and install patches	Operating System	70

Platform = 2 (Mac)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	Apple	Hardware	10
Model	String	MacBook Pro	Hardware	20
Model ID	String	MacBook Pro 4,1	Hardware	30
Device Type	String	Laptop	Hardware	40
Boot Rom Version	String	MBP41.00c1.b03	Hardware	50
SMC Version	String	1.27f2	Hardware	60
Manufactured Date	Date	2/10/2009	Hardware	70
Apple Serial Number	String	W88341H6YJX	Hardware	80
UDID	String	9D86CFF6-5FD8-5E49-81C3-BD1F7BEB5947	Hardware	90
Processor	String	2000 MHz Core 2	Hardware	100
Physical Memory Installed (MB)	Integer	2048	Hardware	110
OS Username	String	Jdoe	Hardware	120
User Access Level	String	Administrator	Hardware	130
Local Timezone	String	(GMT+5:30) Chennai, Kolkata, Mumbai, New Delhi	Hardware	140
Number of Drives	Integer	2	Hardware	150
Total Drive Size (GB)	Float	160	Hardware	160
Total Free Space (GB)	Float	25	Hardware	170
Operating System	String	Mac OS X Leopard	Operating System	10
OS Architecture	String	32 bit	Operating System	20
Version	String	10.5.1	Operating System	30
Default OS Language	String	English - United States	Operating System	40

Source = 2 & Any Platform value

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	IBM	Hardware	10
Model	String	ThinkPad T42	Hardware	20
Device Type	String	Smartphone	Hardware	30
Operating System	String	Microsoft Windows XP	Hardware	40
Default Language	String	Bangalore	Hardware	50
ActiveSync Agent	String	RoadSync-Android/2.502	Hardware	60
ActiveSync Device ID	String	354957034059348	Hardware	70

Source = 1 or 3 & Platform = 3 (iOS)

Key	Type	Example Value	Display Section	Display Order

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Manufacturer	String	Apple	Hardware	10
Model	String	iPhone 3Gs	Hardware	20
Model ID	String	MC610LL	Hardware	30
Device Type	String	Smartphone	Hardware	40
Email Address	String	*jballengee@maas360dz.com*	Hardware	50
Apple Serial Number	String	830340GWA4T	Hardware	60
UDID	String	2a7e5207dc46949bdbe	Hardware	70
Operating System	String	iOS4	Hardware	80
Operating System Version	String	4.2.1 (8C148)	Hardware	90
Modem Firmware Version	String	03.10.01	Hardware	100
Activation Date (GMT)	Timestamp	2016-10-10T04:44:45	Hardware	110
Total Internal Storage (GB)	Float	29.06 GB	Hardware	120
Free Internal Storage (GB)	Float	10.25	Hardware	130
Application Data (GB)	Float	372 MB	Hardware	140

Source = 1 or 3 and Platform = 5 (Android)

Key	Type	Example Value	Display Section	Display Order
Manufacturer	String	Samsung	Hardware	10
Model	String	SCH-I800	Hardware	20
Device Type	String	Smartphone	Hardware	30
Device Serial Number	String	ABCDEFGH	Hardware	40
Email Address	String	vhetrick@maas360dz.com	Hardware	50
Processor Name	String	ARM	Hardware	60
Processor Speed	String	1 Ghz	Hardware	70
Number of Processor Cores	String	2	Hardware	80
RAM (MB)	Float	500	Hardware	90
Total Internal Storage (GB)	Float	10	Hardware	100
Free Internal Storage (GB)	Float	5	Hardware	110
Total External Storage (GB)	Float	30	Hardware	120
Free External Storage (GB)	Float	5	Hardware	130
Application Data (MB)	Float	1010	Hardware	140
Screen Resolution	String	600*1024	Hardware	150
Screen Language	String	English	Hardware	160
Screen Width	Float	7.0	Hardware	170
Battery Level	Float	50%	Hardware	180
Battery Condition	String	Good	Hardware	190
Timezone	String	GMT-05:00, Eastern Standard Time	Hardware	200
Operating System	String	Android 2.2 (FROYO)	Operating System	10
Operating System Version	String	2.2	Operating System	20
Kernel Version	String	2.6.32.9 root@sep-40 #3 Tue Oct 12 21:33:42 KST 2010	Operating System	30
API Level	String	8	Operating System	40
Baseband Version	String	S:I800.0.3V.DJ11	Operating System	50
Build Number	String	FROYO.DJ11	Operating System	60

Source = 4 (BES)

Key	Type	Example Value	Display Section	Display Order

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Manufacturer	String	22100AB1	Hardware	10
Model	String	Curve 8900	Hardware	20
Device Type	String	Smartphone	Hardware	30
PIN	String	22100AB1	Hardware	40
Email Address	String	smurphy@example.com	Hardware	50
Operating System	String	BlackBerry 6	Hardware	60
Operating System Version	String	6.0.0.284	Hardware	70
Software Platform Version	String	6.4.0.120	Hardware	80
Secured Boot ROM	String	Yes	Hardware	90
Total Memory (MB)	String	512	Hardware	100
Available Memory (MB)	String	32	Hardware	110
Activation Date (GMT)	Timestamp	2010-11-30T05:52:53	Hardware	120
Screen Resolution	String	320 * 480	Hardware	130
Screen Language	String	EN (US)	Hardware	140
Battery Level (%)	Integer	39	Hardware	150

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Get Device Identity Attributes

Request

GET /device-apis/devices/1.0/identity/<billingID>

Definition

❖ Get all predefined Device identity attributes as well as custom attributes of a device.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/identity/1101234?deviceId=a2e13f

Sample Response


```
<deviceIdentity>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <customAssetNumber>BL1200</customAssetNumber>
        <owner>Jim James</owner>
        <ownership>Corporate Owned</ownership>
        <vendor>Staples Inc</vendor>
        <poNumber>100May2010</poNumber>
        <purchaseType>Direct</purchaseType>
        <purchaseDate>2016-10-03T00:00:00</purchaseDate>
        <purchasePrice>100</purchasePrice>
        <warrantyNumber>10001</warrantyNumber>
        <warrantyExpirationDate>2016-10-13T00:00:00</warrantyExpirationDate>
        <warratyType>24*7</warratyType>
        <office>Blue Bell</office>
        <department>Sales</department>
        <CustomAttributes>
          <customAttribute>
                <customAttributeName>Business Unit</customAttributeName>
                <customAttributeValue>Healthcare</customAttributeName>
          </customAttribute>
        </CustomAttributes>
        <comments>”Some comments come here”</comments>
</deviceIdentity>
```


Mandatory attributes in Response

- maas360DeviceID

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Software Installed

Request

GET /device-apis/devices/1.0/softwareInstalled/<billingID>

Definition

- Get softwares installed for a device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/softwareInstalled/1101234?deviceId=a2e13f

Sample Response

```
<deviceSoftwares>
        <deviceID>a2e13f</deviceID>
        <lastSoftwareDataRefreshDate>2016-10-10T00:00:00</lastSoftwareDataRefreshDate>
        <devicesw>
                <swName>Angry Birds</swName>
                <swAttrs>
                        <swAttr>
                                <key>Application ID</key>
                                <type>String</type>
                                <value>com.angrybirds.com</value>
                                <displayOrder>10</displayOrder>
                        </swAttr>
                </swAttrs>
        </devicesw>
</deviceSoftwares>
```

Mandatory attributes in Response

- maas360DeviceID
- lastSoftwareDataRefreshDate
- swName
- key
- type
- value

Various Software Attributes

Platform = 1 (Windows)

Key	Type	Example Value
Application Vendor	String	Adobe
Full Version	String	10.1
Installed Date	Date	05/15/2010

Platform = 2 (Mac)

Key	Type	Example Value

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Full Version	String	5.2

Source = 2 & Any Platform value
Not valid. No attributes are returned.

Source = 1 or 3 & Platform = 3 (iOS)

Key	Type	Example Value
Application ID	String	Com.angrybirds
Version	String	1.3
File Size	Float	30
AppDataSize	Float	50
Manage Status	String	Installed By MDM

Source = 1 or 3 and Platform = 5 (Android)

Key	Type	Example Value
App ID	String	Com.angrybirds
Full Version	String	2.1
Application Size (MB)	Float	30
Data Size (MB)	Float	50
Install Location	String	Internal Storage

Source = 4 (BES)

Key	Type	Example Value
Vendor	String	BlackBerry
Full Version	String	6.0

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Security & Compliance Information for a Mobile Device

Request

GET /device-apis/devices/1.0/mdSecurityCompliance/<billingID>

Definition

- Get Security & Compliance attributes for a Mobile Device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/mdSecurityCompliance/1101234?deviceId=a2e13f

Sample Response

```
<securityCompliance>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <complianceAttributes>
                <complianceAttribute>
                        <key>Device Wiped</key>
                        <type>String</type>
                        <value>Not Applied</value>
                <complianceAttribute>
        </complianceAttributes>
</securityCompliance>
```

Mandatory attributes in Response

- maas360DeviceID
- key
- type

Various Device Attributes

Platform = 1 (Windows)

-

Platform = 2 (Mac)

-

Source = 2 & Any Platform value

Key	Type	Example Value	Display Section	Display Order
Mailbox Approval State	String	Approved	Security & Compliance	10
Remote Wipe Support	String	Not Available	Security & Compliance	20
Device Wiped	String	Not Applied	Security & Compliance	30
Last Wipe Applied Date (GMT)	Timestamp	28/03/2011 10:12	Security & Compliance	40
Exchange ActiveSync Policy	String	Default	Security & Compliance	50

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Last Policy Updated Date (GMT)	Timestamp	2016-10-10T06:14:03	Security & Compliance	60
Device Passcode Status	String	Passcode Policy Not Configured	Security & Compliance	70

Source = 1 or 3 & Platform = 3 (iOS)

Key	Type	Example Value	Display Section	Display Order
Device Jailbroken	String	Yes	Security & Compliance	10
Jailbreak Detection Date (GMT)	Timestamp	2016-10-10T04:53:46	Security & Compliance	20
Device Passcode Status	String	Compliant	Security & Compliance	30
Hardware Encryption	String	Block-level & File-level	Security & Compliance	40
MDM Policy	String	Example Corp IOS (6)	Security & Compliance	50
Last MDM Policy Update Date (GMT)	Timestamp	28/03/2011 16:10	Security & Compliance	60
Last MDM Policy Update Source	String	Default	Security & Compliance	65
Policy Compliance State	String	In Compliance	Security & Compliance	70
Out-of-Compliance Reasons (Policies)	String	Email Profile Not Configured	Security & Compliance	80
Effective Workplace Persona Policy	String	Person Policy number 3	Security & Compliance	81
Compliance Ruleset	String	Named ruleset	Security & Compliance	82
Rule Compliance Status	String	Out-of-Compliance	Security & Compliance	85
Out-of-Compliance Reasons (Rules)	String	Minimum Version Check Not Met	Security & Compliance	86
Device Wiped	String	Pending	Security & Compliance	90
Last Wipe Applied Date (GMT)	Timestamp	28/03/2011 16:10	Security & Compliance	100
Selective Wipe	String	Not Applied	Security & Compliance	104
Last Selective Wipe Applied Date (GMT)	Timestamp	28/03/2011 16:10	Security & Compliance	105
Mailbox Approval State	String	Approved	Security & Compliance	110
Allow Installing of Applications	String	Yes	Device Restrictions	10
Allow Use of Camera	String	Yes	Device Restrictions	20
Allow Screen Capture	String	Yes	Device Restrictions	30
Allow User of Safari	String	Yes	Device Restrictions	40
Allow Use of YouTube	String	Yes	Device Restrictions	50
Allow User of iTunes Music Store	String	Yes	Device Restrictions	60
Allow Explicit Music and Podcasts	String	Yes	Device Restrictions	70

Source = 1 or 3 and Platform = 5 (Android)

Key	Type	Example Value	Display Section	Display Order
Device Rooted	String	Yes	Device Security Status	10
Hardware Encryption	String	No Encryption	Device Security Status	20

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Lock SIM Card	String	Yes	Device Security Status	30
Device Wiped	String	Pending	Policy & Compliance	10
Last Wipe Applied Date (GMT)	Timestamp	2010-11-30T05:52:53	Policy & Compliance	20
Selective Wipe	String	Pending	Policy & Compliance	30
Last Selective Wipe Applied Date (GMT)	Timestamp	2010-11-30T05:52:53	Policy & Compliance	40
MDM Policy Name	String	Corporate Policy	Policy & Compliance	50
Policy Version	String	2	Policy & Compliance	60
Last MDM Policy Update Date (GMT)	Timestamp	2010-11-30T05:52:53	Policy & Compliance	70
Last MDM Policy Update Source	String	Manual	Policy & Compliance	80
Policy Compliance State	String	In Compliance	Policy & Compliance	90
Out-of-Compliance Reasons (Policies)	String	Passcode Not Enabled	Policy & Compliance	100
Effective Workplace Persona Policy	String	Person Policy number 3	Security & Compliance	101
Compliance Ruleset	String	Named ruleset	Security & Compliance	102
Rules Compliance Status	String	Out-of-Compliance	Policy & Compliance	103
Out-of-Compliance Reasons (Rules)	String	Minimum Version Check Not Met	Policy & Compliance	104
Settings Configured	String	Exchange profile configured	Policy & Compliance	106
Settings Failed to Configure	String	Exchange profile	Policy & Compliance	107
Other Device Administration Solutions	String	Email	Policy & Compliance	110
Device Passcode Status	String	Compliant	Passcode Settings	10
Minimum Passcode Length	Integer	4	Passcode Settings	20
Passcode Quality	String	Numeric	Passcode Settings	30
Number of Complex Characters Required	Integer	4	Passcode Settings	40
Passcode History	String	10	Passcode Settings	50
Maximum Passcode Age (days)	String	365	Passcode Settings	60
Maximum Failed Password Attempts	String	10	Passcode Settings	70
Maximum Time to Lock (min)	String	10	Passcode Settings	80
One Lock Status	String	Yes	Passcode Settings	90
Passcode Complexity	String	Low	Passcode Settings	100
Background Data Sync Enabled	String	Yes	Accounts and Sync	10
Auto-Sync Enabled	String	Yes	Accounts and Sync	20
Allow installation of Non-Market Apps	String	Yes	Application Settings	10
Allow Mock Locations	String	Yes	Application Settings	20

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Automatic Data Backup to Google Servers Enabled	String	Yes	Application Settings	30
Automatic Restore from Data Backup on Application Reinstall	String	Yes	Application Settings	40
Visible Passwords	String	Yes	Application Settings	50
Camera Present	String	Yes	Device Features	10
GPS Present	String	Yes	Device Features	20
Bluetooth Enabled	String	Yes	Device Features	30
Near Field Communication (NFC) Enabled	String	Yes	Device Features	40

Source = 4 (BES)

Key	Type	Example Value	Display Section	Display Order
Hardware Encryption	String	Fully Encrypted	Security & Compliance	10
Encryption Algorithms Supported	String	Triple DES	Security & Compliance	20
Auto-Backup Configured	String	Yes	Security & Compliance	30
Auto-Backup Frequency	String	Daily	Security & Compliance	40
Last Successful Backup Time	Timestamp	2010-11-30T05:52:53	Security & Compliance	50
Auto-Backup Exclusions	String	Messages	Security & Compliance	60
Device Wiped	String	Pending	Security & Compliance	70
Last Wipe Applied Time (GMT)	Timestamp	2010-11-30T05:52:53	Security & Compliance	80
BES Policy Name	String	Std. Corporate Policy 1.0	Security & Compliance	90
Last Policy Update Date (GMT)	Timestamp	2010-11-30T05:52:53	Security & Compliance	100
Policy Compliance State	String	In Compliance	Security & Compliance	110
Allow User to install applications	String	Yes	Security & Compliance	120
Device Passcode Status	String	Enabled	Security & Compliance	130
User-Device Configuration	String	Default Configuration	Security & Compliance	140

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Enabled MaaS360 Services for a Device

Request

GET /device-apis/devices/1.0/getEnabledMaaS360Services/{billingId}/

Definition

- Returns all the MaaS360 services enabled on a device
- Supported for iOS, Android and Windows Phone MDM device
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/getEnabledMaaS360Services/1101234?deviceId=a2e13f

Sample Response

```
<enabledServices>
        <service>Browser</service>
        <service>MaaS360 Gateway for Browser</service>
</enabledServices>
```

Mandatory attributes in Response

- service

Possible MaaS360 Services

- App Catalog
- CMIS MaaS360 Enterprise Gateway
- CMIS Resources
- Contextual Rules
- Corporate Docs
- Corporate Sharepoint Access
- Enable URL Filtering in Secure Browser
- IBM Connection MaaS360 Enterprise Gateway
- IBM Connections
- Kiosk
- Knox
- Location Trackingshould
- MEG Docs
- Mobile Expense Management
- Privacy Settings
- Public Cloud integration for Docs
- Remote Control
- Secure Browser
- Secure Browser Gateway
- Secure Browser MaaS360 Enterprise Gateway
- Secure Editor for Docs
- Secure Gateway for Internal SharePoint
- Secure Mail
- Secure Viewer
- Sevices
- Sharepoint MaaS360 Enterprise Gateway

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- Trusteer Malware
- User Sync
- User Sync For Laptops
- Windows File Share
- Windows FileShare MaaS360 Enterprise Gateway
- Workplace SDK MaaS360 Enterprise Gateway

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Network Information for a Mobile Device

Request

GET /device-apis/devices/1.0/mdNetworkInformation/<billingID>

Definition

- Get network information for a device
- Relevant for iOS MDM, Android MDM devices and BES devices only
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/mdNetworkInformation/1101234?deviceId=a2e13f

Sample Response


```
<maas360DeviceID>ApplF17R9GAGGRY5</maas360DeviceID>
  <deviceAttributes>
    <deviceAttribute>
      <key>IP Address</key>
      <type>String</type>
      <value></value>
    </deviceAttribute>
    <deviceAttribute>
      <key>Last Connection Date</key>
      <type>String</type>
      <value></value>
    </deviceAttribute>
    <deviceAttribute>
      <key>SSID</key>
      <type>String</type>
      <value></value>
    </deviceAttribute>
    <deviceAttribute>
      <key>Subnet Mask</key>
      <type>String</type>
      <value></value>
    </deviceAttribute>
    <deviceAttribute>
      <key>MAC Address</key>
      <type>String</type>
      <value></value>
    </deviceAttribute>
    <deviceAttribute>
      <key>Data Roaming</key>
      <type>String</type>
      <value>Disabled</value>
    </deviceAttribute>
    <deviceAttribute>
      <key>Voice Roaming</key>
      <type>String</type>
```


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```
    <value>Disabled</value>
</deviceAttribute>
<deviceAttribute>
    <key>Phone Number</key>
    <type>String</type>
    <value>+12153179338</value>
</deviceAttribute>
<deviceAttribute>
    <key>ICCID</key>
    <type>String</type>
    <value>8901 4103 2876 5915 8665</value>
</deviceAttribute>
<deviceAttribute>
    <key>Roaming</key>
    <type>String</type>
    <value>Yes</value>
</deviceAttribute>
<deviceAttribute>
    <key>International Data Roaming</key>
    <type>String</type>
    <value>Disabled</value>
</deviceAttribute>
<deviceAttribute>
    <key>Home Carrier</key>
    <type>String</type>
    <value>AT&amp;amp;T</value>
</deviceAttribute>
<deviceAttribute>
    <key>Current Carrier</key>
    <type>String</type>
    <value>Not Available</value>
</deviceAttribute>
<deviceAttribute>
    <key>Home Country</key>
    <type>String</type>
    <value>United States of America</value>
</deviceAttribute>
<deviceAttribute>
    <key>Current Country</key>
    <type>String</type>
    <value>India</value>
</deviceAttribute>
<deviceAttribute>
    <key>Current Network Type</key>
    <type>String</type>
    <value>Not Available</value>
</deviceAttribute>
<deviceAttribute>
    <key>Carrier Setting Version</key>
    <type>String</type>
    <value>29.1</value>
</deviceAttribute>
<deviceAttribute>
    <key>Wi-Fi Mac Address</key>
    <type>String</type>
    <value>e4:9a:79:d7:0e:06</value>
</deviceAttribute>
<deviceAttribute>
    <key>Bluetooth Mac Address</key>
    <type>String</type>
    <value>e4:9a:79:d7:0e:07</value>
</deviceAttribute>
```


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```
        <deviceAttribute>
            <key>Current MCC</key>
            <type>String</type>
            <value>404</value>
        </deviceAttribute>
        <deviceAttribute>
            <key>Subscriber MCC</key>
            <type>String</type>
            <value>310</value>
        </deviceAttribute>
        <deviceAttribute>
            <key>Current MNC</key>
            <type>String</type>
            <value>86</value>
        </deviceAttribute>
        <deviceAttribute>
            <key>Subscriber MNC</key>
            <type>String</type>
            <value>410</value>
        </deviceAttribute>
    </deviceAttributes>
</networkInformation>
```


Mandatory attributes in Response

- maas360DeviceID
- key
- type

Various Device Attributes

Source = 1 or 3 & Platform = 3 (iOS)

Key	Type	Example Value	Display Section	Display Order
Phone Number	String	21512312345	Network Information	10
ICCID	String	404862413367781	Network Information	20
IMEI	String	357168069683740	Network Information	20
IMSI	String	404719	Network Information	20
Roaming	String	Yes	Network Information	30
International Data Roaming	String	No	Network Information	40
Home Carrier	String	Vodafone	Network Information	50
Current Carrier	String	Vodafone	Network Information	60
Home Country	String	UK	Network Information	70
Current Country	String	UK	Network Information	80
Current Network Type	String	GPRS	Network Information	90
Carrier Setting Version	String	12	Network Information	100
Wi-Fi Mac Address	String	B4-07-F9-98-C4-F9	Network Information	110
Bluetooth Mac Address	String	B4-07-F9-98-C4-F9	Network Information	120

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Source = 1 or 3 and Platform = 5 (Android)

Key	Type	Example Value	Display Section	Display Order
Phone Number	String	21512312345	Network Information	10
IMEI	String	357168069683740	Network Information	20
IMSI	String	404719	Network Information	20
IMEI SIM2	String	357168069683740	Network Information	20
ICCID	String	8991860024133677816	Network Information	20
Roaming	String	Yes	Network Information	30
Roaming Status SIM2	String	Yes	Network Information	30
International Data Roaming	String	No	Network Information	40
Home Carrier	String	Vodafone	Network Information	50
Current Carrier	String	Vodafone	Network Information	60
Home Country	String	UK	Network Information	70
Current Country	String	UK	Network Information	80
Data Network	String	No	Network Information	90
Current Network Type	String	GPRS	Network Information	100
IMSI	String	404862413367781	Network Information	110
Wi-Fi Mac Address	String	B4-07-F9-98-C4-F9	Network Information	120
Bluetooth Mac Address	String	B4-07-F9-98-C4-F9	Network Information	130

Source = 4 (BES)

Key	Type	Example Value	Display Section	Display Order
Phone Number	String	2156641782	Network Information	10
ICCID	String	8991101200003200000	Network Information	20
Home Carrier	String	AT&T	Network Information	30
Current Carrier	String	AT&T	Network Information	40
Supported Frequencies	String	GSM 850, GSM 900	Network Information	50
Current Network Type	String	GPRS	Network Information	60
Direct Connect ID	String	123456	Network Information	70

Access Control

Customer Properties: Enable Device View
Access Rights: Device Views – View Only

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Get Patch Information

Request

GET /device-apis/devices/1.0/getPatchInformation/<billingID>

Definition

- Get Patch Information for a device
- Relevant for Windows and Mac computers only
- View only Installed or Missing Patches or View only Security or Other Patches

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
missingPatches	Optional	Return Missing Patches or Installed Patches Possible values: 0 or 1 (Default value is 1).
securityPatches	Optional	Return Security Patches or Other Patches Possible values: 0 or 1 (Default value is 1).

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/getPatchInformation/1101234?deviceId=a2e13f&missingPatches=1&securityPatches=1

Sample Response

```
<patchInformations>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <count>10</count>
        <missingPatches>1</missingPatches>
        <securityPatches>1</securityPatches>
        <patchInformation>
                <patchName>MS10-074: Security Update for Windows 7 (KB2387149)</patchName>
                <patchCategory>Security</patchCategory>
                <vendor>Microsoft Corporation</vendor>
                <product>Windows 7</product>
                <severity>Moderate</severity>
                <kbID>Q2387149</kbID>
                <bulletinID>MS10-074</bulletinID>
        </patchInformation>
        <patchInformation>
        ....
        </patchInformation>
</patchInformations>
```

Mandatory attributes in Response

- maas360DeviceID

Access Control

Customer Properties: Manage Windows Desktops/Laptops or Manage Macs
Access Rights: Device Views – View Only

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Get Network Information for a Computer

Request

GET /device-apis/devices/1.0/computerNetworkInformation/<billingID>

Definition

- Get network information for a Windows and Mac computer
- Relevant for Windows and Mac computers only
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/computerNetworkInformation/1101234?deviceId=a2e13f

Sample Response


```
<networkInformation>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <count>10</count>
        <domainWorkgroup>1</missingPatches>
        <networkAdapters>
                <networkAdapter>
                        <adapterName>Tata Photon</adapterName>
                        <adapterType>PPP</adapterType>
                        <adapterID>D02528DB-33A7-4AE4-A8FA-06C1786E0DDE</adapterID>
                        <ipAddress>14.96.3.154</ipAddress>
                        <subnetMask>255.255.255.255</subnetMask>
                        <dhcpEnabled>No</dhcpEnabled>
                        <macAddress>00:05:9A:3C:78:00</macAddress>
                        <dnsServers>10.1.20.97, 10.11.20.26</dnsServers>
                        <gateway>10.1.9.1</gateway>
                        <deviceDriverName>HUAWEI Mobile Connect - Modem</deviceDriverName>
                        <deviceDriverVersion>2.0.3.827</deviceDriverVersion>
                        <deviceDriverDate>10/09/2009</deviceDriverDate>
                </networkAdapter>
        </networkAdapters>
</networkInformation>
```


Mandatory attributes in Response

- maas360DeviceID

Access Control

Customer Properties: Manage Windows Desktops/Laptops or Manage Macs
Access Rights: Device Views – View Only

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Get Security Applications Information

Request

GET /device-apis/devices/1.0/securityApplications/<billingID>

Definition

- Get Security Applications information
- Relevant for Windows and Mac computers only
- Uses MaaS360 Device ID (CSN) of the device for querying

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/securityApplications/1101234?deviceId=a2e13f

Sample Response

```
<securityApplications>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <securityApplication>
                <applicationAttributes>
                        <applicationAttribute>
                                <key></key>
                                <type></type>
                                <value></value>
                                <displaySection></displaySection>
                                <displayOrder></displayOrder>
                        </applicationAttribute>
                        <applicationAttribute>
                        …
                        </applicationAttribute>
                </applicationAttributes>
        </securityApplication>
</securityApplications>
```

Mandatory attributes in Response

- maas360DeviceID
- key
- type

Various Application Attributes

Anti-Virus Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	Symantec Endpoint Protection	Anti-Virus	10
Category	String	Endpoint Security	Anti-Virus	20
Application Type	String	Anti-Virus	Anti-Virus	30
Vendor	String	Symantec Corp.	Anti-Virus	40
Version	String	11.0	Anti-Virus	50
Installed Date	Date	09/28/2015 00:00:00	Anti-Virus	60
Status	String	Running	Anti-Virus	70

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Anti-Virus Definition Date	Timestamp	10/02/2016 00:00:00	Anti-Virus	80
Anti-Virus Definition	String	5/6/2011 rev. 21	Anti-Virus	90
Last Scan Date	Timestamp	06/05/2011 00:00	Anti-Virus	100

Personal Firewall Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	Symantec Endpoint Protection	Personal Firewall	10
Category	String	Endpoint Security	Personal Firewall	20
Application Type	String	Personal Firewall	Personal Firewall	30
Vendor	String	Symantec Corp.	Personal Firewall	40
Version	String	11.0	Personal Firewall	50
Installed Date	Date	12/10/2010	Personal Firewall	60
Status	String	Running	Personal Firewall	70

Anti-Spyware Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	Symantec Endpoint Protection	Anti-spyware	10
Category	String	Endpoint Security	Anti-spyware	20
Application Type	String	Anti-Spyware	Anti-spyware	30
Vendor	String	Symantec Corp.	Anti-spyware	40
Version	String	11.0	Anti-spyware	50
Installed Date	Date	12/10/2010	Anti-spyware	60
Status	String	Running	Anti-spyware	70
Anti-Spyware Definition Date	Timestamp	10/02/2016 00:00:00	Anti-spyware	80
Anti-Spyware Definition	String	5/6/2011 rev. 21	Anti-spyware	90
Last Scan Date	Timestamp	06/05/2011 00:00	Anti-spyware	100

Data Encryption Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	BitLocker Drive Encryption	Data Encryption	10
Category	String	Data Protection	Data Encryption	20
Application Type	String	Data Encryption	Data Encryption	30
Vendor	String	Microsoft	Data Encryption	40
Version	String	7 SP1	Data Encryption	50
Installed Date	Date	12/10/2010	Data Encryption	60
Encryption Status	String	No Encryption	Data Encryption	70
Encrypted Drives	String	C:	Data Encryption	80

Peripheral Protection Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	BitLocker Drive Encryption	Peripheral Protection	10
Category	String	Data Protection	Peripheral Protection	20
Application Type	String	Peripheral Protection	Peripheral Protection	30
Vendor	String	Microsoft	Peripheral Protection	40
Version	String	7 SP1	Peripheral Protection	50
Installed Date	Date	12/10/2010	Peripheral Protection	60
Status	String	No Encryption	Peripheral Protection	70

Backup & Recovery Application:

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Key	Type	Example Value	Display Section	Display Order
Application Name	String	Fiberlink Backup & Recovery Agent	Backup & Recovery	10
Category	String	Data Protection	Backup & Recovery	20
Application Type	String	Backup & Recovery	Backup & Recovery	30
Vendor	String	Iron Mountain	Backup & Recovery	40
Version	String	8.4.0.8	Backup & Recovery	50
Installed Date	Date	12/10/2010	Backup & Recovery	60
Status	String	Running	Backup & Recovery	70
Last Backup	Timestamp	06/05/2011 08:52	Backup & Recovery	80
Next Backup	Timestamp	07/05/2011 07:10	Backup & Recovery	90
Backup Limit	String	6 GB	Backup & Recovery	100

Data Leak Prevention Application:

Key	Type	Example Value	Display Section	Display Order
Application Name	String	BitLocker Drive Encryption	Data Leak Prevention	10
Category	String	Data Protection	Data Leak Prevention	20
Application Type	String	Data Leak Prevention	Data Leak Prevention	30
Vendor	String	Microsoft	Data Leak Prevention	40
Version	String	7 SP1	Data Leak Prevention	50
Installed Date	Date	12/10/2010	Data Leak Prevention	60
Status	String	No Encryption	Data Leak Prevention	70

Access Control

Customer Properties: Manage Windows Desktops/Laptops or Manage Macs
Access Rights: Device Views – View Only

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Get Application Distributions

Request

GET /device-apis/devices/1.0/packageDistributionHistory/<billingID>

Definition

- Search package distributions by Device ID
- Relevant for iOS MDM and Android MDM Devices only
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page.

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/packageDistributionHistory/1001234?deviceId=a1b2c3&pageSize=25&pageNumber=1

Sample Response

```
<packageDistributionHistory>
        <count>100</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <packageDistribution>
                <distributionDate>2016-10-03 07:00:30.0</distributionDate>
                <distributionName>Distribute Angry Birds</distributionName>
                <packageName>Angry Birds</packageName>
                <status>Pending</status>
                <description></description>
                <details></details>
        </packageDistribution>
        <packageDistribution>
        ....
        </packageDistribution>
<packageDistributionHistory>
```

Mandatory attributes in Response

- maas360DeviceID
- deviceId

Access Control

Customer Properties: Enable iOS Enterprise App Store or Enable Android Enterprise App Store
Access Rights: Device Views – View Only

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Get Device Location History

Get Cellular Data Usage for a Device

Request

GET /device-apis/devices/1.0/cellularDataUsage/<billingID>

Definition

- Returns Cellular Data Usage for a Device for last 6 periods excluding the current period
- Relevant for only iOS MDM and Android MDM Devices for which TEM plans are assigned
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/cellularDataUsage/1001234?deviceId=a1b2c3

Sample Response


```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cellularDataUsageDetails>
        <billingStartDate>2</billingStartDate>
        <cellularDataUsageList>
                <period>Current period till date</period>
                <inNetworkUsage>0.13</inNetworkUsage>
                <inNetworkUsageLimit>200.0</inNetworkUsageLimit>
                <inNetworkUsagePercentage>0.06</inNetworkUsagePercentage>
                <roamingNetworkUsage>0.0</roamingNetworkUsage>
                <roamingNetworkUsageLimit>200.0</roamingNetworkUsageLimit>
                <roamingUsagePercentage>0.0</roamingUsagePercentage>
        </cellularDataUsageList>
        <daysRemainingBillingCycle>17</daysRemainingBillingCycle>
        <planName>plan1</planName>
</cellularDataUsageDetails>
```


Mandatory attributes in Response

-

Access Control

Customer Properties: Enable TEM
Access Rights: Device Views – View Only

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Get Device Location History

Request

GET /device-apis/devices/1.0/locationHistory/<billingID>

Definition

- Returns location history for a device.
- By default, returns the last known location of the device. But this can be used to get location history for up to last 7 days.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
time	Optional	Possible values: 1. 0 – Last Known Location 2. 1 – Today 3. 2 – Last 1 day 4. 3 – Last 7 days
returnAddresses	Optional	Possible values: Yes or No (default).

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/locationHistory/1101234?deviceId=a2e13f

Sample Response

If PII is enabled:

```
<deviceLocation>
        <deviceId>a2e13f</deviceId>
        <errorCode>1</errorCode> ## 0 – success; 1 - failure
        <errorMessage>Unable to return locations since PII is enabled for the device</errorMessage>
</deviceLocation>
```

If PII is not enabled:

```
<deviceLocation>
        <deviceId>a2e13f</deviceId>
        <errorCode>0</errorCode> ## 0 – success; 1 – failure
        <locationHistory>enabled</locationHistory>
        <location>
                <locatedTime>2016-10-10T04:55:07.000+0000</locatedTime>
                <latitude>10.2</latitude>
                <longitude>31.5</longitude>
                <accuracy>100m</accuracy>
                <checkedInStatus>Yes</checkedInStatus>
        </location>
</deviceLocation>
```

Mandatory attributes in Response

- deviceId
- errorCode

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Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Devices with Associated Users

Request

GET /device-apis/devices/2.0/user-associations/customer/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Returns all the devices that have a user associated with them at the time of the query.
- Return values are the maas360DeviceId, the maas360UserId, and time of the request (in the Unix Epoch time format).

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer's ID
devicesRegisteredAfterInEpochms	Optional	Time in the Unix epoch milliseconds, returns devices registered after this time
returnInactiveDevices	Optional	Possible values: true, false. *True* returns all devices; *false* (default) only returns devices with associated users.
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page.

Sample Request

https://services.fiberlink.com/device-apis/devices/2.0/user-associations/customer/1101234?devicesRegisteredAfterDate =01-12-2016&pageSize= 25

Sample Response (JSON)


```
{
        "Associations": {
        "billingId": 1101234,
        "count": 5,
        "Association": [
                { "maas360DeviceId": "ABCDE08032013_035537_0001", "maas360UserId":
        "BE9257E0032A40A9A2F5BB4C8B299F19" },
                { "maas360DeviceId": "ABCDE08032013_035537_0002", "maas360UserId":
        "9B225A73EEB5D60081FCD14A3F8D4F06" },
                { "maas360DeviceId": "ABCDE08032013_041527_0001", "maas360UserId":
        "D0BC847543427E28D729C8D1A092CE75" },
                { "maas360DeviceId": "ABCDE08032013_041926_0001", "maas360UserId":
        "7EF1FAA010D1177B01C7210238DA18A3" },
                { "maas360DeviceId": "ABCDE08032013_041927_0002", "maas360UserId":
        "7053A759869FD205CE15E429B8B77384" }
        ],
        "pageNumber": 1,
        "pageSize": 5
        "time": 1477485296720
}
}
```


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Mandatory attributes in Response

- billingId
- count
- time

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Get Groups for a Device

Request

GET /device-apis/devices/1.0/getGroups/<billingID>

Definition

- Returns User Groups and Device Groups to which the device belongs to
- Only groups used for an assignment or distribution will be listed here

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/cellularDataUsage/1001234?deviceId=a1b2c3

Sample Response

```
<groups>
        <group>
                <groupID>1234</groupID>
                <groupType>2</groupType> ##0: MaaS360 defined, 1: Private, 2: Public, 3: Local User
        Group, 4: User Directory Group
                <groupName>BYOD devices</groupName>
                <lastEvaluatedDate>2016-10-12T16:26:17Z</lastEvaluatedDate>
        </group>
        <group>
        ....
        </group>
</groups>
```

Mandatory attributes in Response

-

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Get Relevant Data Views for a Device

Request

GET /device-apis/devices/1.0/deviceDataViews/<billingID>

Definition

❖ Get all categories of data relevant for a Device.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/deviceDataViews/1101234?deviceId=a12bc3

Sample Response

```
<deviceDataViews>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <deviceDataView>
                <dataViewName>Device Summary</dataViewName>
                <dataViewOrder>10</dataViewOrder >
                <displaySections>
                        <displaySection>
                                <displaySectionName>Hardware</displaySectionName>
                                <displaySectionOrder>10</displaySectionOrder>
                                <sectionID>HARDWARE_INVENTORY</sectionID>
                        /displaySection>
                </displaySections>
        </deviceDataView>
</deviceDataViews>
```

Mandatory attributes in Response

- maas360DeviceID
- dataViewName
- dataViewOrder

Condition	Data Views	Data View Order	Section Name	Section Order
Platform = 1 (Windows)	Device Summary	10	Hardware Inventory MaaS360 Services	10 20
	Hardware Inventory	20	Hardware Inventory Operating System	10 20
	Custom Attributes	30	Custom Attributes	10
	Software Installed	40	Software Installed	10
	Package Distributions	50	Package Distributions	10
Platform = 2 (Mac)	Device Summary	10	Hardware Inventory MaaS360 Services	10 20
	Hardware Inventory	20	Hardware Inventory Operating System	10 20
	Custom Attributes	30	Custom Attributes	10
	Software Installed	40	Software Installed	10
Source = 2 & Any Platform value	Device Summary	10	Hardware Inventory Security & Compliance	10 20

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	Custom Attributes	20	Custom Attributes	10
	Action History	30	Action History	10
Source = 1 or 3 & Platform = 3 (iOS)	Device Summary	10	Hardware Inventory Network Information Security & Compliance	10 20 30
	Hardware Inventory	20	Hardware Inventory	10
	Custom Attributes	30	Custom Attributes	10
	Network Information	40	Network Information	10
	Security & Compliance	50	Security & Compliance Device Restrictions	10 20
	Software Installed	60	Software Installed	10
	Action History	70	Action History	10
	Package Distributions	80	Package Distributions	10
Source = 4 (BES)	Device Summary	10	Hardware Inventory Network Information Security & Compliance	10 20 30
	Hardware Inventory	20	Hardware Inventory	10
	Custom Attributes	30	Custom Attributes	10
	Network Information	40	Network Information	10
	Security & Compliance	50	Security & Compliance	10
	Software Installed	60	Software Installed	10
	Action History	70	Action History	10
Source = 1 or 3 and Platform = 5 (Android)	Device Summary	10	Hardware Inventory Network Information Security & Compliance	10 20 30
	Hardware Inventory	20	Hardware Inventory	10
	Custom Attributes	30	Custom Attributes	10
	Network Information	40	Network Information	10
	Security & Compliance	50	Device Security Status Policy & Compliance Passcode Settings Accounts & Sync Application Settings Device Features	10 20 30 40 50 60
	Software Installed	60	Software Installed	10
	Action History	70	Action History	10
	Package Distributions	80	Package Distributions	10

Access Control

Customer Properties: Enable Device View
Access Rights: Device Views – View Only

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Get Relevant Actions for a Device

Request

GET /device-apis/devices/1.0/deviceActions/<billingID>

Definition

❖ Get all relevant actions for a device.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/deviceActions/1101234?deviceId=a1b2c3*

Sample Response

```
<deviceActions>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <deviceAction>
                <actionName>Wipe</actionName>
                <actionID>WIPE_DEVICE</actionID> ++ APPROVE_DEVICE, BLOCK_DEVICE, WIPE_DEVICE,
CANCEL_PENDING_WIPE, LOCK_DEVICE, RESET_DEVICE_PASSCODE, LOCATE_DEVICE,
REFRESH_DEVICE_INFORMATION, CHANGE_POLICY, SELECTIVE_WIPE_DEVICE, REVOKE_SELECTIVE_WIPE,
REMOVE_DEVICE
                <actionOrder>10</actionOrder>
                <actionType>MDM</actionType> ++ Computer, MDM, Exchange Server, Lotus Notes, BES
        </deviceAction>
</deviceActions>
```

Mandatory attributes in Response

- maas360DeviceID
- actionName
- actionID
- actionType

actionID	Description	Platform	Order
REFRESH_DEVICE_INFORMATION	Refresh Device Informatio	iOS, Android, Windows, Blackberry	30
MDM_LOCATE	Locate Device	iOS, Android, Windows	40
MDM_LOCK	Lock Device	iOS, Android, Windows	50
MDM_CLEARPWD	Reset Device Passcode	iOS, Android, Windows, Blackberry	60
CHANGE_POLICY	Change Policy	iOS, Android, Windows, Blackberry	110
MDM_REMOVE_PROFILE	Remove Control	iOS, Android, Windows, Blackberry	120
MDM_MESSAGE	Send Message	Windows	130
ACTION_MDM_HIDE_DEVICE	Hide Device Record	Windows	160
MDM_RULESET_UPDATE	Change Rule Set	Windows	170
MDM_BUZZ	Buzz	Windows	300
MDM_DISTRIBUTE_DOC	Distribute Doc	Windows	310
MDM_WIPE	Wipe Device	iOS, Android, Windows, Blackberry	90

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SELECTIVE_WIPE_DEVICE	Selective Wipe Device	iOS, Android, Windows	70
APPROVE_DEVICE	Exchange Approve Device	Windows	
BLOCK_DEVICE	Exchange Block Device	Windows	

Source	Platform	Action
-	1 (Windows)	Mark as Inactive
-	2 (Mac)	-
2 (Messaging System)	-	Exchange Approval State = Device Discovery – No actions are available Exchange Approval State = Quarantine – Approve Device – Block Device Exchange Approval State = Approved – Block Device Exchange Approval State = Blocked – Approve Device In case of customer having Exchange 2007 server, the above actions are available only if Auto-Quarantine is on. Device Wiped = Blank – Wipe Device Device Wiped = Pending – Cancel Pending Wipe Actions always available – Change Policy – Remove Device from Exchange Server (or Remove Device from Notes Traveler)
1 (MDM)	3 (iOS)	Actions always available – Refresh Device Information – Locate Device – Lock Device – Reset Device Passcode – Change Policy – Remove iOS Control Device Wiped = Blank – Wipe Device Device Wiped = Pending – Cancel Pending Wipe Selective Wipe = Blank – Selective Wipe Device Selective Wipe = Pending or Complete – Revoke Selective Wipe
3 (MDM + Messaging System)	3 (iOS)	All the actions listed under iOS MDM and Messaging System above
4 (BES)	4 (BlackBerry)	Actions always available – Refresh Device Information – Reset Device Passcode – Change Policy – Remove Device from BES Device Wiped = Blank – Wipe Device Device Wiped = Pending – Cancel Pending Wipe
1 (MDM)	5 (Android)	Actions always available – Refresh Device Information

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		– Locate Device – Lock Device – Reset Device Passcode – Change Policy – Remove Android Control Device Wiped = Blank – Wipe Device Device Wiped = Pending – Cancel Pending Wipe Selective Wipe = Blank – Selective Wipe Device Selective Wipe = Pending or Complete – Revoke Selective Wipe
3 (MDM + Messaging System)	5 (Android)	All the actions listed under Android MDM and Messaging System above
1 (MDM)	7 (Symbian)	-
3 (MDM + Messaging System)	7 (Symbian)	All the actions listed under Messaging System above

Access Control

Customer Properties: Enable Device View
Access Rights: Help Desk Actions

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Set Device Name

Request

POST /device-apis/devices/1.0/setDeviceName/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Sets a name for a designated device, identified by the deviceId.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer ID number
deviceId	Required	Client Serial Number of the device
deviceName	Required	Special characters '%', '&', and space are not supported in the device name.

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/setDeviceName/1101234?deviceId= a2e13f*&deviceName=MarketingTablet01*

Sample Response (XML)

```
<actionResponse>
        <result>Success</result>
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- result

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - Edit

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Cloud Extender

Get Cloud Extender Clusters

Request

GET /device-apis/cloudExtender/1.0/getCEClusters/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides a list of Cloud Extender clusters for the requesting organization.
- The call can return all Cloud Extender clusters or the Cloud Extender clusters of a specified type.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
clusterType	Optional	Possible values: - VPN

Sample Request

https://services.fiberlink.com/device-apis//device-apis/cloudExtender/1.0/getCEClusters/1101234?clustertype=VPN

Sample Response (JSON or XML)

```
<CEClusterListResponse>

  <CECluster>
    <clusterGuid>700c895a-6c6a-491a-9cbd-9df3235735d4</clusterGuid>
    <clusterType>VPN</clusterType>
    <clusterName>US Default VPN</clusterName>
  </CECluster>
  <CECluster>
    <clusterGuid>432c895a-6c6a-674d-9cbd-9df32357784g</clusterGuid>
    <clusterType>VPN</clusterType>
    <clusterName>US Alternate VPN</clusterName>
  </CECluster>
</CEClusterListResponse>
```

Mandatory attributes in Response

- CEClusterListResponse

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device View - View Only

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Get Cloud Extender Cluster Configuration

Request

POST /device-apis/cloudExtender/1.0/getCEClusterConfig/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Returns the configuration details for the Cloud Extender cluster associated with the requesting Cloud Extender.
- If no specified configKey value is set, the default is all Keys.
- Some configValue responses are JSON formatted data within the XML return.
- NOTE: This is a POST request even though the name of the web service is getCEClusterConfig.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
clusterType	Required	Possible values: - VPN
configKey	Optional	Contact IBM MaaS360 Customer Support for currently supported configKey options.
certMD5	Optional	The MD5 checksum of CE Cluster Certificate

Sample Request

https://services.fiberlink.com/device-apis/cloudExtender/1.0/getCEClusterConfig/1101234?clusterType=VPN

Sample Response (XML and JSON)


```
<CEClusterConfigResponse>
   <errorCode>0</errorCode>
   <errorDescription>Success</errorDescription>
   <clusterGuid>96e9b01a-1d29-4fc0-957d-45432fc0b715</clusterGuid>
   <clusterName>protype104</clusterName>
   <clusterType>VPN</clusterType>
   <clusterConfigs>
      <config>
         <configKey>VPN_CONFIG_DEF</configKey>
         <configValue>{
   "compLzo" : 1,
   "fragment" : 1450,
   "tlsAuth" : "sdfgh"
}</configValue>
      </config>
      <config>
         <configKey>VPN_CONFIG_USER</configKey>

<configValue>{"routes":["network1:netmask1:gateway1","network2:netmask2:gateway2"],"localIp":"internalURL","externalPort":"internalURL","transportDetails":["1194:UDP","1195:UDP","1196:TCP"],"externalIP":"externalURL","splitTunnelingEnabled":"1","localPort":"internalURL"}</configValue>
      </config>
   </clusterConfigs>
</CEClusterConfigResponse>
```


Mandatory attributes in Response

- errorCode

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- errorDescription
- clusterGuid
- clusterName
- clusterType

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Set Cloud Extender Cluster Config

Request

POST /device-apis/cloudExtender/1.0/setCEClusterConfig/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Adds or updates one to four configuration key/value pairs for an existing Cloud Extender VPN cluster.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
clusterType	Required	VPN
configKey1-4	Required (at least 1)	The parameter name for the configuration key is followed by the numbers 1, 2, 3, or 4. Contact IBM MaaS360 Customer Support for currently supported configKey options.
configValue1	Required (at least 1)	Configuration key and value pairs in JSON format. For example: {"server": "vpn.company.com", "ports": "1194"} {"transportType": "UDP"} The max length of configValue is 4000 bytes

Sample Request

https://services.fiberlink.com/device-apis/cloudExtender/1.0/setCEClusterConfig/1101234?clusterType=VPN&configKey1=VPN_CONFIG_USER&configValue1={"server": "vpn.company.com", "ports": "1194"}

Sample Response (JSON or XML)


```
<CEClusterConfigResponse>
   <errorCode>0</errorCode>
   <errorDescription>Success</errorDescription>
   <clusterGuid>96e9b01a-1d29-4fc0-957d-45432fc0b715</clusterGuid>
   <clusterName>protype104</clusterName>
   <clusterType>VPN</clusterType>
   <clusterConfigs>
      <config>
         <configKey>VPN_CONFIG_USER</configKey>
<configValue>{"server": "vpn.company.com", "ports": "1194"
"routes":["network1:netmask1:gateway1","network2:netmask2:gateway2"],"localIp":"internalURL","external
Port":"internalURL","transportDetails":["1194:UDP","1195:UDP","1196:TCP"],"externalIP":"externalURL","split
TunnelingEnabled":"1","localPort":"internalURL"}</configValue>
      </config>
   </clusterConfigs>
</CEClusterConfigResponse>
```


Mandatory attributes in Response

- errorCode
- errorDescription
- clusterGuid
- clusterName
- clusterType

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Join Cloud Extender Cluster

Request

POST /device-apis/cloudExtender/1.0/ joinCECluster/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Join an existing Cloud Extender cluster.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number.
certMD5	Required	The MD5 checksum of the target Cloud Extender cluster's X.509 certificate.
clusterType	Optional	Possible values: - VPN

Sample Request

https://services.fiberlink.com/device-apis/cloudExtender/1.0/joinCECluster/1101234?certMD5=ABCD1234EFGH5678&clusterType=VPN

Sample Response (XML)

```
<CEClusterDetails>
        <errorCode>0</errorCode>
        <errorDescription></errorDescription>
        <requestType>joinCECluster</requestType>
        <clusterGuid>700c895a-6c6a-491a-9cbd-9df3235735d4</clusterGuid>
        <clusterType>VPN</clusterType>
        <clusterName>US Default VPN</clusterName>
</CEClusterDetails>
```

Mandatory attributes in Response

- errorCode
- errorDescription

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Update Cloud Extender Cluster Name

Request

POST /device-apis/cloudExtender/1.0/updateCEClusterName/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Changes the name of a specified Cloud Extender cluster.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
clusterGuid	Required	The GUID of the target cluster
newName	Required	The new cluster name

Sample Request

https://services.fiberlink.com/device-apis/cloudExtender/1.0/updateCEClusterName/1101234?clusterGuid=7b6bd5ee-9588-4144-ab1a-898dc9e4edb5&newName=MarketingVPN2

Sample Response (XML)

```
<CEClusterDetails>
        <requestType>updateCEClusterName</requestType>
        <clusterGuid>7b6bd5ee-9588-4144-ab1a-898dc9e4edb5</clusterGuid>
        <clusterName>MarketingVPN2</clusterName>
        <clusterType>VPN</clusterType>
</CEClusterDetails>
```

Mandatory attributes in Response

- CEClusterDetails
- requestType
- clusterGuid
- clusterName

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Add a New Cloud Extender Cluster

Request

POST /device-apis/cloudExtender/1.0/addNewCECluster/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Adds a new Cloud Extender cluster and adds the cluster name to a list of available clusters.
- The request is made twice. Using requestType=GET_CSR_DETAILS, it returns CSR data that is used in the final request using requestTYPE=GET_CERT.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
requestType	Required	Possible values: - GET_CSR_DETAILS - GET_CERT
csr	Optional	Only for use with requestType=GET_CERT This is the CSR Data from the CECSRDetailsResponse to the GET_CSR_DETAILS request.
clusterName	Optional	For use with all requestTypes. This is the VPN server name.
clusterType	Optional	For use with all requestTypes. Possible values: - VPN

Sample Request

https://services.fiberlink.com/device-apis/cloudExtender/1.0/addNewCECluster/1101234?requestType=GET_CERT&clusterType=VPN
https://services.fiberlink.com/device-apis/cloudExtender/1.0/addNewCECluster/1101234?requestType=GET_CSR_DETAILS&clusterType=VPN&clusterName=ExampleVPNServer

Sample Response (XML)

For GET_CSR_DETAILS

```
<CECSRDetailsResponse>
        <certChallenge>2003F9C7BF7741AD</certChallenge>
        <certTargetName>/O=MaaS360/OU=M0042:S08:2028601/CN=MaaS360 VPN Server Identity
b564337371349af5ef4099214570381bf953b152/</certTargetName>
</CECSRDetailsResponse>
```

For GET_CERT

```
<CECertResponse>
        <errorCode>0</errorCode>
        <errorDescription></errorDescription>
        <clusterGuid>700c895a-6c6a-491a-9cbd-9df3235735d4</clusterGuid
        <clusterName>US Default VPN</clusterName
        <clusterType>VPN</clusterType>
        <caCert>YUREAjCCAuqgA+kNUxc4ih01bPDfP==</caCert>
        <clusterCert>MIIEAjCCAuqgA+kZzwDvNUxc4ih01bPDfPfQ==</clusterCert>
</CECertResponse>
```

Mandatory attributes in Response

- errorCode (for GET_CERT)

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- errorDescription (for GET_CERT)
- certChallenge (for GET_CSR_DETAILS)
- certTargetName (for GET_CSR_DETAILS)

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Device Actions (V1)

Assign a user to a device

Request

POST /device-apis/devices/1.0/assignUserToDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Assigns a specified user to a device
- This is applicable for Supervised iOS devices and Shared iOS Devices

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
userName	Required	
domain	Required	
Email	Required	
phoneNumber	Optional	
policySetName	Optional	Only policies for the device platform are accepted.
rulesetName	Optional	Name of the Ruleset that needs to be assigned

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/assignUserToDevice/1101234?billingID=12345&deviceId=a1b2c3&userName=jdoe&domain=example.com&Email=jdoe@us.example.com*

Sample Response

```
<actionResponse>
        <result>Success</result>
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- result

Access Control

Customer Properties: Manage iPhones
Access Rights: Device View - Edit

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Set Custom Attribute Value

Request

POST /device-apis/devices/1.0/setCustomAttributeValue/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Sets the value for a specified custom attribute
- This is applicable for any device record

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
customAttributeName	Required	Name of the custom attribute for which value is to be set
customAttributeValue	Required	Value to be set for the attribute

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/setCustomAttributeValue/1101234/*

Sample Response

```
<actionResponse>
        <result>Success</result>
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- result

Access Control

Customer Properties: Enable Device View
Access Rights: Device View - Edit

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Refresh Device Information

Request

POST /device-apis/devices/1.0/refreshDeviceInformation/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Creates a request to refresh Device information
- This action can be executed on an iOS MDM, Android MDM, Windows Phone MDM or BES device

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
dataType	Optional	Possible values: SOFTWARE, DEVICE_INFO Currently relevant for iOS only. For others, this value is ignored. If specified, only the specific type of information is refreshed

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/refreshDeviceInformation/1101234 ?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>1</actionID> ##Available only in case of success. Also, an actionID with value 1
        is a sentinel value used to indicate successful one time actions. These actions will not appear
         in the actions list to validate against apis that list action details or action status.
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

Customer Properties: Manage iPhones or Manage Androids or Manage BlackBerrys
Access Rights: Help Desk Actions

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Send Message

Request

POST /device-apis/devices/1.0/sendMessage/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
messageTitle	Required	Max. 30 chars
message	Required	Max. 255 chars

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/sendMessage/1101234?deviceId=a1b2c3&messageTitle=message&message=hi*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

Customer Properties: Manage iPhones or Manage Androids
Access Rights: Help Desk Actions

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Locate Device

Request

POST /device-apis/devices/1.0/locateDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Returns the current or last known location of the device
- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM.
- Performs a real-time lookup on Android devices
- Provides Last Known location on iOS and Windows Phone devices

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/locateDevice/1101234?deviceId=a1b2c3*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>1</actionID> ##Available only in case of success. Also, an actionID with value 1
         is a sentinel value used to indicate successful one time actions. These actions will not
        appear in the actions list to validate against apis that list action details or action status.
        <latitude>10.2</latitude>
        <longitude>31.5</longitude>
        <locatedTime>2016-10-12 08:54:43.0</locatedTime>
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID

Access Control

- Customer Properties: Manage Androids
- Access Rights: Help Desk Actions

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Lock Device

Request

POST /device-apis/devices/1.0/lockDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Lock the device
- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/lockDevice/1101234?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage iPhones or Manage Androids
- Access Rights: Help Desk Actions

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Reset Device Passcode

Request

POST /device-apis/devices/1.0/resetDevicePasscode/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- This action can be executed on an iOS MDM, Android MDM, Windows Phone MDM or BES device
- For iOS MDM devices, this clears the Passcode set on the device and unlock the same
- For Android MDM and BES devices, this sets a new Passcode provided by the administrator

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
devicePasscode	Optional	Passcode to be set on the device. This is required for Android MDM and BES devices Expected as a Request parameter

Format

POST *https://services.fiberlink.com/device-apis/devices/1.0/resetDevicePasscode/1101234 ?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

Customer Properties: Manage iPhones or Manage Androids or Manage BlackBerrys
Access Rights: Help Desk Actions

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Change Device Policy

Request

POST /device-apis/devices/1.0/changeDevicePolicy/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Assigns a specified policy to a device
- This action can be executed on an Exchange ActiveSync, iOS MDM, Android MDM, Windows Phone MDM, BES device, or Persona Policy devices

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
maas360DeviceId	Required	Client Serial Number of the device
policyName	Required	Name of the policy that needs to be assigned. This policy can be a persona policy and applies to both iOS and Android devices in mixed mode or as SPS.

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/changeDevicePolicy/1001234 ?maas360DeviceId=a2e13f&policyName=test*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>0</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description >
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

Customer Properties: Manage ActiveSync Devices or Manage iPhones or Manage Androids or Manage BlackBerrys
Access Rights: Policy Actions

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Change Compliance Ruleset

Request

POST /device-apis/devices/1.0/changeRuleSet/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Assigns a specified ruleset to a device

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
rulesetName	Required	Name of the Ruleset that needs to be assigned

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/changeRuleset/1001234?deviceId=androidc1a2b3c&rulesetName=foo*

Sample Parameters

deviceId=androidc1a2b3c&rulesetName=foo&billingId=1001234

Sample Response

```
<actionResponse>
        <actionStatus>0</actionStatus> ## 0:success; 1:error
        <description>Successfully changed RuleSet : foo for device : androidc1a2b3c</description >
        <maas360DeviceID>androidc1a2b3c</maas360DeviceID>
</actionResponse>
```

Mandatory attributes in Response

- actionStatus
- description
- maas360DeviceID

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Traveler devices or Manage iPhones or Manage Androids or Manage BlackBerrys or Manage Windows Phones
- Access Rights: Device Management -> Change Compliance Rule Set

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Selective Wipe Device

Request

POST /device-apis/devices/1.0/selectiveWipeDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Selective Wipe the device
- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM device

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/selectiveWipeDevice/1101234?deviceId=a1b2c3*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage iPhones or Manage Androids
- Access Rights: Wipe Actions

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Revoke Selective Wipe

Request

POST /device-apis/devices/1.0/revokeSelectiveWipe/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Cancel Selective Wipe executed on the device
- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM device

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/revokeSelectiveWipe/1101234?deviceId=a1b2c3*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage iPhones or Manage Androids
- Access Rights: Wipe Actions

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Wipe Device

Request

POST /device-apis/devices/1.0/wipeDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Remote Wipe the device
- This action can be executed on an Exchange ActiveSync, Notes, BES, iOS MDM, Android MDM or Windows Phone MDM device
- Support for activation lock bypass for iOS MDM devices

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
notifyMe	Optional	Whether to notify the administrator on successful device wipe. Expected as a request parameter – "yes" value enables this flag.
notifyUser	Optional	Whether to notify the user on successful device wipe Expected as a request parameter – "yes" value enables this flag.
notifyOthers	Optional	Comma separated list of other email addresses to notify on successful device wipe Expected as a request parameter
preserveDataPlan	Optional	(For iOS 11 and later) If a device is wiped remotely, device data will be preserved if a data plan exists on the device. Values: Yes, No (Default)
wipeMode	Optional	Supported only for Android devices that are enrolled in Work Profile on Corporate Owned (WPCO) mode. Suported values: • WPCO_WIPE_PROFILE – Wipes the work profile • WPCO_WIPE_DEVICE – Wipes the entire device **Note**: If this parameter is passed to platforms other than Android, a bad request error is displayed.
removeFactoryRstProtection	Optional	Allows administrators to remove the device's factory reset protection (FRP) during the wipe process and repurpose it for another user. If FRP is not removed, the user is prompted to enter their previously activated Google credentials to reactivate the device. Supported only for Android devices that are enrolled in Device Owner or Work Profile on Corporate Owned Devices (WPCO) mode, regardless of whether the Factory Reset Protection policy is enabled. Possible values: true, false (Default).

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/wipeDevice/1101234 ?deviceId=a2e13f&notifyMe=yes&notifyUser=yes&notifyOthers=abc@example.com*

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Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>0</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveler or Manage iPhones or Manage Androids or Manage BlackBerrys
- Access Rights: Wipe Actions

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Cancel Pending Wipe

Request

POST /device-apis/devices/1.0/cancelPendingWipe/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Cancel outstanding Remote Wipe sent to the device
- This action can be executed on an Exchange ActiveSync, Traveler, BES, iOS MDM, Android MDM or Windows Phone MDM device

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/cancelPendingWipe/1101234 ?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>0</actionStatus> ## 0:success; 1:error
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveler or Manage iPhones or Manage Androids or Manage BlackBerrys
- Access Rights: Wipe Actions

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Approve Device in Messaging System

Request

POST /device-apis/devices/1.0/approveDeviceMessagingSystem/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Approve the device in Messaging System (either Exchange, Notes or Gmail)

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
ownership	Optional	Can be either “Corporate Owned” or “Employee Owned”
deviceOwner	Optional	Name of the individual or group that owns the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/approveDeviceMessagingSystem/1101234?deviceId=a1b2c3*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>1</actionID> ##Available only in case of success. Also, an actionID with
        value 1 is a sentinel value used to indicate successful one time actions. These actions
        will not appear in the actions list to validate against apis that list action details or action status.
        <description>Description, in case of success/error</description >
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices, Manage Notes Traveler
- Access Rights: Messaging Server Actions

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Block Device in Messaging System

Request

POST /device-apis/devices/1.0/blockDeviceMessagingSystem/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Block the device in Messaging System (Exchange, Notes or Gmail)

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST https://services.fiberlink.com/device-apis/devices/1.0/blockDeviceMessagingSystem/1101234?deviceId=a2e13f

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>1</actionID> ##Available only in case of success.
        Also, an actionID with value 1 is a sentinel value used to indicate
        successful one time actions. These actions will not appear in the actions
        list to validate against apis that list action details or action status.
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices, Manage Notes Traveler
- Access Rights: Messaging Server Actions

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Remove Device

Request

POST /device-apis/devices/1.0/removeDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- This is relevant for Windows Computers, Mac, Exchange ActiveSync, Notes Traveler, Gmail, BES, iOS MDM, Android MDM and Windows Phone MDM
- For Windows and Mac: This marks the device as Inactive
- For Exchange ActiveSync, Notes Traveler, Gmail and BES: This removes the device from the source server (which in turn marks the device as Inactive)
- For Enrolled devices (iOS, Android and Windows Phone):
    - If the MDM Control is already removed by the user: This marks the device as Inactive
    - If the device is still controlled: This removes the MDM Control and then marks the device as Inactive
- For devices that are both enrolled in Mailbox server: This removes the MDM Control and then marks the device as inactive. To remove such devices from Exchange server, use "Remove Device from Mailbox Server" API.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
wipeMode	Optional	Supported only for Android devices that are enrolled in Work Profile on Corporate Owned (WPCO) mode. Suported values: • WPCO_WIPE_PROFILE – Wipes the work profile • WPCO_WIPE_DEVICE – Wipes the entire device **Note**: If this parameter is passed to platforms other than Android, a bad request error is displayed.

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/removeDevice/1101234?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

Customer Properties: Manage Windows Desktops/Laptops or Manage ActiveSync Devices or Manage Notes Traveller or Manage BlackBerrys or Manage iPhones or Manage Androids

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Remove Device from Mailbox Server

Request

POST /device-apis/devices/1.0/removeDeviceMailboxServer/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- This is relevant for devices that are reporting Exchange, Traveler, Gmail and BES (Both enrolled and not enrolled)
- In case of enrolled device, the action can be applied on natively merged or manually/automatically merged record
- This removes the device from the source server

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/removeDeviceMailboxServer/1101234?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveller or Manage BlackBerrys
- Access Rights: Deactivate Actions

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Hide Device

Request

POST /device-apis/devices/1.0/hideDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- This action can be executed on an Exchange ActiveSync, Notes, BES, iOS MDM, Android MDM or Windows Phone MDM device
- This marks the device as Inactive

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/hideDevice/1101234?deviceId=a2e13f*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Manage Windows Desktops/Laptops or Manage ActiveSync Devices or Manage Notes Traveler or Manage BlackBerrys or Manage iPhones or Manage Androids or Manage Windows Phone
- Access Rights: Deactivate Actions

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Update Device Certificate

Request

POST /device-apis/devices/1.0/updateCert/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Generate a new ID Certificate for a device or republish an existing one (for Certificate servers which allow caching of Certs in Cloud Extender)
- This action can be executed on an iOS MDM, Android MDM or Windows Phone MDM device

Parameters

Parameter Name	Required / Optional	Parameter Type (Path/Query/Form)	Description
billingID	Required	Path	Billing ID of the account for which the web-service is being executed
maas360DeviceId	Required	Query	Client Serial Number of the device
actionType	Required	Query	Possible values: Generate new Certificate Republish existing Certificate
comment	Optional	Query	
listOfTemplateNames	Optional		List of all templates associated with the device

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/updateCert/1001234?maas360DeviceId=ApplCCQL6FTRFFCJ&actionType=Generate new Certificate&comment=testing*

Sample Response

```
<actionResponse>
        <maas360DeviceId>a2e13f</maas360DeviceId>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <description>Description, in case of success/error</description >
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceId
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Traveler devices or Manage iPhones or Manage Androids or Manage BlackBerrys or Manage Windows Phones
- Access Rights: Device Management -> Selective Wipe

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Check Action Status

Request

GET /device-apis/devices/1.0/checkActionStatus/<billingID>

Definition

- Check the status of a prior executed action

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
actionID	Required	Unique ID of the action that is executed

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/checkActionStatus/1101234? actionID=a1b2c3

Sample Response

```
<actionStatusResponse>
        <actionID>a2e13f</actionID>
        <deviceName>BBFL1234</deviceName>
        <username>smurphy</username>
        <action>Wipe</action>
        <actionStatus>Pending</actionStatus> ## Pending, Complete, Failed, Executed in Exchange
        Server, etc
        <actionExecutedBy>admin@example.com</actionExecutedBy>
        <actionExecutionTime>2010-11-30T05:52:53.011+00:00</actionExecutionTime>
        <ipAddress>10.1.2.12</ipAddress>2016-10-12T18:46:28
</actionStatusResponse>
```

Mandatory attributes in Response

- actionID
- deviceName
- username
- action
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveler or Manage iPhones or Manage Androids or Manage BlackBerrys
- Access Rights: Read-only Actions

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Search Action History (v1)

Request

GET /device-apis/devices/1.0/searchActionHistory/<billingID>

Definition

- Search action history by Device ID. If no Device ID is specified, the action history across all devices for the customer is returned
- Return device change history in addition to action history
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Optional	Client Serial Number of the device
actionType	Optional	Possible values: • Refresh Device Information • Locate Device • Send Message • Buzz Device • Lock Device • Reset Device Passcode • Update Device Certificate • Selective Wipe • Revoke Selective Wipe • Wipe Device • Cancel Pending Wipe • Change Policy • Change Rule Set • Change Plan • Remote Control Device • Remove Control • Hide Device Record • User Authentication • Approve Device • Block Device Remove device from Mailbox server
actionExecutionTimeFrom	Optional	Starting time when the action was executed. Possible pattern. dd-MMM-yyyy (example - 15-Dec-2024 or 15-December-2024) or dd-MMM-yyyy hh:mi:ss (example - 15-Dec-2024 11:11:11 AM or 15-December-2024 01:55:55 PM)
actionExecutionTimeTo	Optional	Ending time when the action was executed. Possible pattern. dd-MMM-yyyy (example - 15-Dec-2024 or 15-December-2024) or dd-MMM-yyyy hh:mi:ss (example - 15-Dec-2024 11:11:11 AM or 15-December-2024 01:55:55 PM)
actionExecutedBy	Optional	Administrator who executed the action
actionStatus	Optional	Possible values: • Pending • Complete Failed
complianceEventsOnly	Optional	Possible values: Yes, No (Def) If Yes, then return only Compliance Events
pageSize	Optional	Limit number of devices returned at one time.

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		Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page.

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/searchActionHistory/1101234?deviceId=a1b2c3&pageSize=25&pageNumber=1

Sample Response


```
<actionHistory>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <actionStatusResponse>
                <action>MDM_POL_UPDATE</action>
                <actionExecutedBy>admin@example.com</actionExecutedBy>
                <actionExecutionTime>2022-11-04 12:23:25.502</actionExecutionTime>
                <actionID>a2e13f</actionID>
                <actionStatus>Success</actionStatus> ## Applicable, Ready for Device, Awaiting
        Certificate, Success, Failed
                <comments></comments>
                <deviceId>Appl12345678</deviceId>
                <deviceName>BBFL1234</deviceName>
                <errorDescription></errorDescription>
                <ipAddress>10.104.12.109</ipAddress>
                <platformName>iOS</platformName>
                <result>No Policy Change, Reason: Group Level Policy Assigned, Performed Action:
        Device Policy Assignment</result>
                <username>murphy</username>
        </actionStatusResponse>
        <actionStatusResponse>
        ….
        </actionStatusResponse>
<actionHistory>
```


Mandatory attributes in Response

- actionID
- deviceName
- username
- action
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveler or Manage iPhones or Manage Androids or Manage BlackBerrys
- Access Rights: Read-only Actions

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Search Action History (v2)

Request

GET /device-apis/devices/2.0/searchActionHistory/<billingID>

Definition

- Search action history by Device ID. If no Device ID is specified, the action history across all devices for the customer is returned
- Return device change history in addition to action history
- Get results on specified pages of the Result-set
- Action type in response is PERSONA_POL_UPDATE for persona policy changes and MDM_POL_UPDATE for MDM policy changes

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Optional	Client Serial Number of the device
actionType	Optional	Possible values: • Refresh Device Information • Locate Device • Send Message • Buzz Device • Lock Device • Reset Device Passcode • Update Device Certificate • Selective Wipe • Revoke Selective Wipe • Wipe Device • Cancel Pending Wipe • Change Policy • Change Rule Set • Change Plan • Remote Control Device • Remove Control • Hide Device Record • User Authentication • Approve Device • Block Device Remove device from Mailbox server
actionExecutionTimeFrom	Optional	Starting time when the action was executed
actionExecutionTimeTo	Optional	Ending time when the action was executed
actionExecutedBy	Optional	Administrator who executed the action
actionStatus	Optional	Possible values: • Pending • Complete Failed
complianceEventsOnly	Optional	Possible values: Yes, No (Def) If Yes, then return only Compliance Events
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page.

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Sample Request

https://services.fiberlink.com/device-apis/devices/2.0/searchActionHistory/1101234?deviceId=a1b2c3&pageSize=25&pageNumber=1

Sample Response


```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<history>
<actionStatusResponses>
        <action>MDM_LAST_KNOWN_LOCATION</action>
        <actionExecutedBy>4174790_raj</actionExecutedBy>
        <actionExecutionTime>2022-11-10 14:17:52.0</actionExecutionTime>
        <actionID>57666683</actionID>
        <actionStatus>SUCCESS</actionStatus>
        <comments>Viewed Last known location action</comments>
        <deviceId>ApplDLXNQ294FCM5</deviceId>
        <deviceName>Mg'ipad</deviceName>
        <errorDescription></errorDescription>
        <ipAddress>127.0.0.1</ipAddress>
        <platformName>iOS</platformName>
        <result><result>
        <username>mahesh</username>
</actionStatusResponses>
<count>1</count>
<pageNumber>1</pageNumber>
<pageSize>1</pageSize>
</history>
```


Mandatory attributes in Response

- actionID
- deviceName
- username
- action
- actionStatus

Access Control

- Customer Properties: Manage ActiveSync Devices or Manage Notes Traveler or Manage iPhones or Manage Androids or Manage BlackBerrys
- Access Rights: Read-only Actions

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Create New Device Custom Attribute

Request

POST https://<host>/device-apis/devices/2.0/customAttributes/customer/<billingId>

Definition

- Create new custom attributes for a given name and type (and enum values in case of enum type)
- Authorization header: MaaS token="<ADMIN_AUTH_MAAS_TOKEN>"

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
name	Required	Name of the custom attribute being created
type	Required	Type of custom attribute being created. Possible values: boolean, date, enum, number, text
enumValues	Optional	Values for enum, required only if attributeType is enum
defaultEnumValueIndex	Optional	Index of enum value that should be selected by default. For example, if enumValues = ["value1", "value2], value1 and the default enum value for defaultEnumValueIndex should be 0, while value2 and the default enum value for defaultEnumValueIndex should be 1

Sample JSON Request

```
{
   "name":"<attribute name>",
   "type":"<attribute type>",
   "enumValues":["value1", "value2", ..],
   "defaultEnumValueIndex":<default enum index value>
}
```

Sample JSON Response

```
{
 "billingId": <billing id>,
 "name": "<attributeName>",
 "responseCode": <Response Code>
}
```

Response Code Messages

Response code	Message	Scenario
0	Custom Attribute created successfully	When a Custom Attribute is created successfully without any errors
1	Unknown error occurred while adding Custom Attribute	When an internal error occurs
2	Custom attribute name requires at least one non space character	When an empty name is supplied
3	No Custom Attribute type available with the given type	When the given type of Custom Attribute is invalid
4	You have reached the number of Custom	When the number of Custom Attributes present already reached the limit

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	Attributes that can be created for your Account. You can create a maximum of 23 Custom attributes - 5 of which can be of Enum type, 10 can be Text values, 3 can be of Date values and 5 can be of Boolean or Integer values	
5	Custom Attribute of type enum requires at least one non-empty enum value	When the enum type custom attribute is requested with no enum values provided
6	Custom Attribute enum values should be unique	When duplicate enum values are provided
7	Another attribute exists with the same name	When the Custom Attribute name provided is already in use
8	Custom Attribute name exceeds maximum length	When the Custom Attribute name exceeds the maximum number of allowed characters (currently 255)
9	Custom Attribute name does not support the following special characters: period (.),less than (<) and greater than (>)	When the Custom Attribute name contains invalid characters
10	Invalid default enum value provided for custom attribute	When the default enum index is invalid

Access Control

- Customer Properties: Enable Web Services
- Access Rights: Manage Device Custom Attributes

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Get All Device Custom Attributes for a Given Organization

Request

GET /device-apis/devices/2.0/customAttributes/customer/<billingID>

Definition

- Get all device custom attributes for a given billing ID.
- Request headers: Authorization MaaS token="<ADMIN_AUTH_MAAS_TOKEN>"

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

GET https://<host>/device-apis/devices/2.0/customAttributes/customer/<billingID>

Sample Response

For valid authorization and sufficient privileges:
Response Status Code when custom attribute is added without errors: 200
Response Status Code when unknown internal error occurs: 500

Response Body:

```
{
   "attributes" : [
      {
         "name":"<attribute name>",
         "type":"<attribute type>"
      },
      {
         "name":"<attribute name>",
         "type":"<attribute type>",
         "enumValues":["value1", "value2", ..],
         "defaultEnumValue":<default enum value>
      },
      .
      .
   ]
}
```

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Response Body Details:

Parameter Name	Possible Values	Description
name		Name of the custom attribute
type	boolean, date, enum, number, text	Type of custom attribute
enumValues		Values for enum, will only be present if type is enum
defaultEnumValue		Value of enum which is selected by default

In case of invalid authorization:
Response Code: 401

In case of insufficient privileges:
Response Code: 403

Sample Success Response

```
{
   "billingId": 23456899,
   "attributes" : [
      {
         "name":"lastUpdateDate",
         "type":"date"
      },
      {
         "name":"lastUpdateType",
         "type":"enum",
         "enumValues":["software", "hardware", ..],
         "defaultEnumValue":"software"
      },
      .
      .
   ]
}
```

Access Control

- Customer Properties: Enable Web Services
- Access Rights: Manage Device Custom Attributes

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Migrate to Work Profile

Request

POST /device-apis/devices/1.0/migrateToWorkProfile/<billingID>/

Content Type Header: application/x-www-form-urlencoded

Definition

- Sends a migration request to the selected device to migrate the the device from Device Admin deployment mode to Profile Owner (Work Profile) mode.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device

Request Headers

Authorization: MaaS token="<Auth Token>"

Sample Request

POST https://services.fiberlink.com/device-apis/devices/1.0/migrateToWorkProfile/1101234?deviceId=a1b2c3

Sample Response

```
<actionResponse>
   <actionID>12345</actionID>
   <actionStatus>0</actionStatus>
   <description>The action was executed successfully on the device.</description>
   <maas360DeviceID>a1b2c3 </maas360DeviceID>
</actionResponse>
```

Mandatory attributes in Response

- maas360DeviceID
- actionStatus

Access Control

- Customer Properties: Enable Android DA to PO Migration
- Access Rights: Wipe Device

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Mark Device as Lost

Request

POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action
Content Type Header: application/json

Definition

❖ Marks a device as lost. Supported on ios 9.3+ supervised device.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
action	Required	markDeviceAsLost
phoneNumber	Optional	number to display
message	Optional	message to display
footNote	Optional	footNote to display
comments	Optional	comments to display
playLostModeSound	Optional	true/false

Request Headers

Authorization: MaaS token="<Auth Token>"

Sample Request

POST https://services.fiberlink.com/apple-apis/devices/2.0/customer/50122873/device/ApplF9FST1KXHGJ1/action

Sample Response

```
<actionResponse>
   <actionID>107000387</actionID>
   <actionStatus>0</actionStatus>
   <description>Mark device as lost action is scheduled successfully on the device.</description>
</actionResponse>
```

Mandatory attributes in Response

- Status
- actionID (Not applicable when status = 1)
- description

Access Control

- Customer Properties: Manage iPhones
- Access Rights: Action Management

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Mark Device as Found

Request

POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action
Content Type Header: application/json

Definition

❖ Marks a device as found. Supported on ios 9.3+ supervised device.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
action	Required	markDeviceAsFound
Comments	Optional	Comments to display

Request Headers

Authorization: MaaS token="<Auth Token>"

Sample Request

POST https://services.fiberlink.com/apple-apis/devices/2.0/customer/50122873/device/ApplF9FST1KXHGJ1/action

Sample Response

```
<actionResponse>
   <actionID>107000388</actionID>
   <actionStatus>0</actionStatus>
   <description>Mark device as found action is scheduled successfully on the device.</description>
</actionResponse>
```

Mandatory attributes in Response

- Status
- actionID (Not applicable when status = 1)
- description

Access Control

- Customer Properties: Manage iPhones
- Access Rights: Action Management

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Locate Device Marked as Lost

Request

POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action
Content Type Header: application/json

Definition

❖ Locates devices that are marked as lost. Supported on ios 9.3+ supervised device.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
deviceId	Required	Client Serial Number of the device
action	Required	locateDeviceMarkedAsLost

Request Headers

Authorization: MaaS token="<Auth Token>"

Sample Request

POST https://services.fiberlink.com/apple-apis/devices/2.0/customer/50122873/device/ApplF9FST1KXHGJ1/action

Sample Response

```
<actionResponse>
   <actionID>107000387</actionID>
   <actionStatus>0</actionStatus>
   <description>Locate device marked as lost action was executed successfully on the
device.</description>
<latitude>13.030775265668632</latitude>
<longitude>77.60956797573103</longitude>
</actionResponse>
```

Mandatory attributes in Response

- Status
- actionID (Not applicable when status = 1)
- description

Access Control

- Customer Properties: Manage iPhones
- Access Rights: Action Management

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Device Actions (V2)

Request

POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn}
Content Type Header: application/json

Definition

- Executes the specified action on the target device. Upon successful execution, the method returns a unique identifier (ID) generated for that action. This ID can be used for tracking, retrieving results, or managing further operations related to the device.
- Authorization header: MaaS token="<ADMIN_AUTH_MAAS_TOKEN>"

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web service is run.
actionType	Required	Type of action to be performed on the device. For information on the list of supported action types, see the *Actions* section.
deviceCsn	Required	The device identifier of the device on which the action is to be performed.
Body	-	The details about the API Request body are explained in the *Parameters in the API Body* section.

Parameters in the API Body

Parameter Name	Required / Optional	Description
name	Required	Name of the action being created.
description	Optional	Description of the action being created.
targetType	Optional	Target of the action being created. Sample: "DEVICE"
actionType	Optional	Action type being created. Sample: "MDM_SCHEDULE_OS_UPDATE"
expiryDate	Required	The expiry date for the action in the epoch time format.
requestorWorkflow	Required	Source from where the action is being created.
additionalParams	Optional	Additional information required for the action. For more information, see the additionalParams supported for each action type in the *Actions* section.

Sample Response

```
"{
  ""actionId"": ""297053979""
}"
```

Mandatory attributes in Response

- actionId

Actions

Kiosk Enter

- **Action Type**: KIOSK_ENTER
- **Description**: Enable Kiosk mode on devices that are not already in Kiosk mode.

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- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise Device Owner devices.
  - The agent version of the device must be greater than 8.50.
  - Kiosk mode is not already activated on the target devices.
  - Kiosk mode activation is currently not in progress on the target devices.
  - Kiosk mode is enabled in the Mobile Device Management (MDM) policies.
- **Sample request:**

  https://services.fiberlink.com/action-apis/action-mgmt-apis/actions/1.0/customer/1101234/action/KIOSK_ENTER/device/a1b2c3
- **Sample request body in JSON:**

```
{
  "name":" KIOSK_ENTER",
  "expiryDate":1907523200000,
  "description":"KIOSK_ENTER",
  "requestorWorkflow":"TEST"
}
```

Kiosk Exit

- **Action Type**: KIOSK_EXIT
- **Description**: Exit the Kiosk mode on devices only when Kiosk mode is already enabled.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise Device Owner devices.
  - The agent version of the device must be greater than 8.50.
  - Kiosk mode must be Enabled.
- **Sample request:**

  https://services.fiberlink.com/action-mgmt-apis/actions/1.0/customer/1101234/action/KIOSK_EXIT/device/a1b2c3
- **Sample request body in JSON:**

```
{
  "name":"KIOSK_EXIT",
  "expiryDate":1907523200000,
  "description":"KIOSK_EXIT",
  "requestorWorkflow":"TEST"
}
```

Notify

- **Action Type**: NOTIFY_DEVICE
- **Description**: Notify the device.
- **Platform**: Android, Windows 10 MDM Desktop, iOS
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **additionalParams**
  Additional information required for the action.

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additionalParamsKey	Required / Optional	Description
msgHeader	Optional	Message Header
msgBody	Optional	Message Body

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/NOTIFY_DEVICE/device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":"NOTIFY_DEVICE",
  "expiryDate":19873460952098,
  "requestorWorkflow":"TEST",
  "additionalParams": {
   "msgHeader":"test header",
   "msgBody":"test body"
  }
}
```

Lock

- **Action Type**: MDM_LOCK
- **Description**: Lock the device.
- **Platform**: Android
- **Conditions for the action to work**:
  Applicable for Modern Android Enterprise (AMAPI) devices.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
resetPasswordFlags	Required	Value of the flag. Sample: LOCK_NOW
newPassword	Required	Value of the new Password.

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_LOCK/device/a1b2c3

- **Sample request body in JSON:**

```
{
   "expiryDate": 1715367631588,
   "requestorWorkflow": "TEST",
   "name": "MDM_LOCK "
}
```

Wipe

- **Action Type**: MDM_WIPE
- **Description**: Wipe the device.
- **Platform**: Android
- **Conditions for the action to work**:

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Applicable for Android Enterprise, Modern Android Enterprise (AMAPI), and Device Admin devices.

- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
removeFactoryRstProtection	Optional	Remove the factory reset protection (FRP) for a device being wiped to repurpose the device for another user. Possible values: • true • false (Default)
ewpWipeType	Optional	For devices enrolled in Work Profile on Corporate Device (WPCO) mode, EWP_DEVICE can be provided to wipe the entire device or EWP_PROFILE can be provided to wipe only the work profile. Default value: EWP_DEVICE

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_WIPE/device/a1b2c3

- **Sample request body in JSON:**

```
{
  "expiryDate":1725761329329,
  "requestorWorkflow":"TEST",
  "additionalParams":
{
"removeFactoryRstProtection":true
  },
  "name":"MDM_WIPE",
  "description":"Testing Wipe Action"
}
```

Reset Password

- **Action Type**: MDM_CLEARPWD
- **Description**: Reset the device passcode.
- **Platform**: Android
- **Conditions for the action to work**:
  Applicable for Android Enterprise and Modern Android Enterprise (AMAPI) devices.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
resetPasswordFlags	Required	Value of the flag. Sample: LOCK_NOW
password	Required	Value of the new Password. Sample: admin@123

- **Sample request:**

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https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_CLEARPWD/device/a1b2c3

- **Sample request body in JSON:**


```
{
    "expiryDate": 1715368758470,
    "requestorWorkflow": "TEST",
    "additionalParams": {
        "resetPasswordFlags": "LOCK_NOW",
        "newPassword": "Admin@123"
    },
    "name": "MDM_CLEARPWD"
}
```


Selective Wipe

- **Action Type**: MDM_SELECTIVE_WIPE
- **Description**: Perform the Selective Wipe action on MaaS360 data.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Modern Android Enterprise (AMAPI) devices.
  - The device must not already be in the Selective Wipe state.
- **Sample request:**

https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_SELECTIVE_WIPE/device/a1b2c3

- **Sample request body in JSON:**


```
{
    "expiryDate": 1715369713262,
    "requestorWorkflow": "TEST",
    "additionalParams": {},
    "name": "MDM_SELECTIVE_WIPE"
}
```


Revoke Selective Wipe

- **Action Type**: MDM_REVOKE_SELECTIVE_WIPE
- **Description**: Revoke the Selective Wipe action taken on the device.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Modern Android Enterprise (AMAPI) devices.
  - The Selective Wipe action must already have been executed.
- **Sample request:**

https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_REVOKE_SELECTIVE_WIPE/device/a1b2c3

- **Sample request body in JSON:**


```
{
    "expiryDate": 1715370792824,
    "requestorWorkflow": "TEST",
    "additionalParams": {},
    "name": "MDM_REVOKE_SELECTIVE_WIPE"
}
```


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Custom Commands

- **Action Type**: ANDROID_CUSTOM_CMDS
- **Description**: Execute custom command on the Android Device.
- **Platform**: Android
- **Conditions for the action to work**:
  Applicable for Android Enterprise, Modern Android Enterprise (AMAPI), and Device Admin devices.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
command	Required	Custom Command for Android

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/ANDROID_CUSTOM_CMDS/device/a1b2c3
- **Sample request body in JSON:**

```
{
   "expiryDate": 1716593535813,
   "requestorWorkflow": "TEST",
   "additionalParams": {
      "command": "test-command"
   },
   "name": "ANDROID_CUSTOM_CMDS"
}
```

OS Update

- **Action Type**: MDM_SCHEDULE_OS_UPDATE
- **Description**: Schedule an OS update action on the device.
- **Platform**: iOS
- **Conditions for the action to work**:
  Applicable only for Supervised devices.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
productVersion	Required	The software version to install or download to the device. Sample: 17.2.1
entityId	Optional	A unique entity identifier.
entityType	Optional	Action to be applied to the device. Sample: OSUPDATE In this sample, "entityType": "OSUPDATE", indicates to push an OS update to the device.
entityContext	Optional	Entity context value. Sample: {\"productVersion\":\"16.7.3\",\"subActionType\":\"DownloadOnly\"} In this sample,

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		• productVersion is the software version to install or download to the device.
		• subActionType
		  ○ For an enforcement action, the subActionType value must be specified as OS Enforcement.
		  ○ For a legacy action, the subActionType value can be either Default, DownloadOnly, or InstallAsap based on the user's requirement.

osUpdateActionType	Required	Action type for OS update. Possible values: • DownloadOnly: Downloads the requested software version to the device. • InstallASAP: Installs the previously downloaded software update on the device. • Default: Downloads and installs the requested software version on the device. • OS Enforcement: Enforces OS software updates on the device. Applicable for devices with a version greater than iOS 17.

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_SCHEDULE_OS_UPDATE/device/a1b2c3

- **Sample request body in JSON:**

```
{
        "expiryDate": 4076068726000,
        "requestorWorkflow": "TEST",
        "additionalParams": {
                "productVersion": "16.7.3",
                "osUpdateActionType": "DownloadOnly",
                "entityId": "1234",
                "entityType": "OSUPDATE",
                "entityContext":
{\"productVersion\":\"16.7.3\",\"subActionType\":\"DownloadOnly\"}"
        },
        "actionType": "MDM_SCHEDULE_OS_UPDATE",
        "targetType": "DEVICE",
        "name": "MDM_SCHEDULE_OS_UPDATE"
}
```

Quarantine Device

- **Action Type**: QUARANTINE_DEVICE
- **Description**: Quarantine the device.
- **Platform**: Android, Windows 10 MDM Desktop, iOS
- **Conditions for the action to work**:
  Customers must have the Threat Management and Security Insights services enabled.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
restrictions	Required	Type of restrictions that can be applied. • RESTRICT_ACCESS

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		• RESTRICT_MDM_EMAIL • RESTRICT_MAAS_AGENT_EMAIL • RESTRICT_WIFI Sample: [{\"name\":\"RESTRICT_WIFI\"}]
devices	Required	Device ID

- **Sample request:**

  https://services.fiberlink.com/action-mgmt-apis/actions/1.0/customer/1101234/action/QUARANTINE_DEVICE/device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":"QUARANTINE_DEVICE",
  "expiryDate":1910941560000,
  "description":"abcd",
  "requestorWorkflow":"TEST",
"additionalParams": {
   "restrictions": "[{\"name\":\"RESTRICT_WIFI\"}]",
   "devices": "a1b2c3"
}
}
```

Revoke Quarantine Device

- **Action Type**: REVOKE_QUARANTINE_DEVICE
- **Description**: Revoke the Quarantine Device action taken on the device.
- **Platform**: Android, Windows 10 MDM Desktop, iOS
- **Conditions for the action to work**:
  - Customers must have the Threat Management and Security Insights services enabled.
  - The device must have the Quarantine Device action applied.
- **additionalParams**

  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
restrictions	Required	Type of restrictions that can be applied. • REVOKE_RESTRICT_ACCESS • REVOKE_RESTRICT_MDM_EMAIL • REVOKE_RESTRICT_MAAS_AGENT_EMAIL • REVOKE_RESTRICT_WIFI
devices	Required	Device ID
msgHeader	Optional	Message Header
msgBody	Optional	Message Body

- **Sample request:**

  https://services.fiberlink.com/action-mgmt-apis/actions/1.0/customer/1101234/action/REVOKE_QUARANTINE_DEVICE/device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":"REVOKE_QUARANTINE_DEVICE",
  "expiryDate":1910941560000,
  "description":"abcd",
  "requestorWorkflow":"TEST",
"additionalParam"": {
```

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```
    "restrictions": "[{\"name\":\"RESTRICT_WIFI\"}]",
    "devices": "a1b2c3"
}
}
```

Reboot Action

- **Action Type**: MDM_AFW_REMOTE_REBOOT
- **Description**: Perform a restart of the device.
- **Platform**: Android
- **Conditions for the action to work**:
  - For Classic Android Enterprise Device Owner or Non-GMS devices,
    - The Android OS version must be 7 and above.
    - The agent version of the device must be 5.65 and above.
  - For Modern Android Enterprise Device Owner devices,
    - The Android OS version must be 7 and above.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_AFW_REMOTE_REBOOT/device/a1b2c3
- **Sample request body in JSON:**

```
{
"expiryDate":1716930215856,
"requestorWorkflow":"TEST",
"name":"MDM_AFW_REMOTE_REBOOT"
}
```

Remote Sign-Out

- **Action Type**: MDM_SIGN_OUT
- **Description**: Remove the current user assigned to the device and return it to a state where a new user can be assigned.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise devices.
  - The agent version of the device must be greater than 8.65.
  - The Device Ownership must be Corporate Shared.
  - The user must be present on the device.
  - Not applicable for GSuite Devices.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_SIGN_OUT/device/a1b2c3
- **Sample request body in JSON:**

```
{
    "name":"MDM_SIGN_OUT",
   "expiryDate":6307523200010,
   "description":"MDM_SIGN_OUT",
   "requestorWorkflow":"TEST"
}
```

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Remote Sign-In

- **Action Type**: MDM_SIGN_IN
- **Description**: Assign a new or existing user to the device.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise devices.
  - The agent version of the device must be greater than 8.65.
  - The Device Ownership must be Corporate Shared.
  - The user must not be present on the device.
  - Not applicable for GSuite Devices.
- **additionalParams**

  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
username	Required	Username for sign-in.
domain	Required	Domain of the user for sign-in.
emailAddress	Required	Email address of the user for sign-in.

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_SIGN_IN/device/a1b2c3
- **Sample request body in JSON:**

```
{
   "name":"MDM_SIGN_IN",
  "expiryDate":6307523200010,
  "description":"MDM_SIGN_IN",
  "requestorWorkflow":"TEST",
  "additionalParams":{"username":"<username>","domain":"IBM","emailAddress":"<emailAddress>"}
}
```

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Enable app feedback

- **Action Type**: ENABLE_APP_CONFIG_FEEDBACK
- **Description**: The action enables the app config feedback for the device and the device can share the distributed app configuration status. The user can track the app config status report on the respective configuration status page.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise devices except Non-GMS devices.
- **Sample request:**
  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/ENABLE_APP_CONFIG_FEEDBACK/device/a1b2c3

- **Sample request body in JSON:**

```
{
   "expiryDate": 1731096959740,
   "requestorWorkflow": "TEST",
   "name": "ENABLE_APP_CONFIG_FEEDBACK",
   "description": "Testing App Config Feedback"
}
```

Disable app feedback

- **Action Type**: DISABLE_APP_CONFIG_FEEDBACK
- **Description**: The action disables the app config feedback for the device and doesn't display the status for the app config.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise devices except Non-GMS devices.
- **Sample request:**
  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/DISABLE_APP_CONFIG_FEEDBACK/device/a1b2c3

- **Sample request body in JSON:**

```
{
   "expiryDate": 1731096959740,
   "requestorWorkflow": "TEST",
   "name": " DISABLE_APP_CONFIG_FEEDBACK ",
   "description": "Testing App Config Feedback"
}
```

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Force app feedback

- **Action Type**: FORCE_APP_CONFIG_FEEDBACK
- **Description**: The action forces the device to retrieve app configuration feedback from Google to display in the MaaS360 Portal.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise devices except Non-GMS devices.
  - The force app feedback is received 3 times every 24 hours for a given device.
- **Sample request:**
  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/FORCE_APP_CONFIG_FEEDBACK/device/a1b2c3
- **Sample request body in JSON:**

```
{
  "expiryDate": 1731096959740,
  "requestorWorkflow": "TEST",
  "name": " FORCE_APP_CONFIG_FEEDBACK ",
  "description": "Testing App Config Feedback"
}
```

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Set Device Name

- **Action Type**: MDM_SET_DEVICE_NAME
- **Description**: Setting device name for Android devices
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
DEVICE_NAME_TO_SET	Optional	Device name

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_SET_DEVICE_NAME /device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":" MDM_SET_DEVICE_NAME ",
  "expiryDate":19873460952098,
  "requestorWorkflow":"TEST",
  "additionalParams": {
   "Device_name_to_set":"Samsung_phone",
  }
}
```

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Buzz Device

- **Action Type**: MDM_BUZZ_DEVICE
- **Description**: Sends an alert to assist the user in locating their device in the immediate area.
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_BUZZ_DEVICE /device/a1b2c3

- **Sample request body in JSON:**

```
{
   "name":" MDM_BUZZ_DEVICE ",
   "expiryDate":19873460952098,
   "requestorWorkflow":"TEST",
   }
}
```

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Enable Debug Mode

- **Action Type**: MDM_ENABLE_DEBUG_MODE
- **Description**: Enables debugging content on the device.
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_ENABLE_DEBUG_MODE /device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":" MDM_ENABLE_DEBUG_MODE ",
  "expiryDate":19873460952098,
  "requestorWorkflow":"TEST",
  }
}
```

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Collect Logs

- **Action Type**: MDM_COLLECT_LOGS
- **Description**: Enables debugging content on the device.
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_COLLECT_LOGS MODE /device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":" MDM_COLLECT_LOGS ",
  "expiryDate":19873460952098,
  "requestorWorkflow":"TEST",
  }
}
```

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Remove Profile

- **Action Type**: MDM_REMOVE_PROFILE
- **Description**: Removes work profile of the device in PO mode or factory reset if the device is in DO mode.
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_REMOVE_PROFILE /device/a1b2c3

- **Sample request body in JSON:**

```
{
   "name":" MDM_REMOVE_PROFILE ",
   "expiryDate":19873460952098,
   "requestorWorkflow":"TEST",
   }
}
```

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Send Message

- **Action Type**: MDM_MESSAGE
- **Description**: Sends a message to the device.
- **Platform**: Android
- **Conditions for the action to work**:
  The device must be enrolled as a Mobile Device Management (MDM) device.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
msgHeader	Optional	Message Header
msgBody	Optional	Message Body

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/custome/50111080/action/MDM_MESSAGE /device/a1b2c3

- **Sample request body in JSON:**

```
{
  "name":" MDM_MESSAGE ",
  "expiryDate":19873460952098,
  "requestorWorkflow":"TEST",
  "additionalParams": {
   "msgHeader":"test header",
   "msgBody":"test body"
  }
}
```

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Device Enrollment

Create Device Enrollment

Request

POST /device-apis/devices/1.0/enrollDevice/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

- Creates an enrollment request and returns the enrollment details to be used for device enrollment.
- Relevant for Passcode, AD and 2-Factor authentication customers

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
userName	Required	
domain	Required	
emailAddress	Required	
country	Optional	
phoneNumber	Optional	
ownership	Optional	Possible values: - 0: Corporate Owned - 1: Employee Owned - 2: Corporate Shared - 3: Provide Later
emailUser	Optional	Possible values: Yes, No
emailAdmin	Optional	Possible values: Yes, No
emailOther	Optional	Any other email address to which enrollment should be sent
sendSMSUser	Optional	Possible values: Yes, No
enrollWithMdm	Optional	Applicable only for mixed mode customers. Applicable only for mixed mode customer. This parameter is not considered for MDM/MAM/SPS customers. Decides the type of Add device request: • Yes - Creates enrollment request for mixed mode customer. • No - Creates activation request for mixed mode customer.
workplacePolicy	Optional	Workplace policy to be assigned. Supported only for customers with Workplace policy defined
platform	Optional	Possible values: - iOS - Android - Windows Phone 7 - BlackBerry - Windows - Mac Only Platforms corresponding to services enabled for the billing account will be accepted
policySet	Optional	Only policies for the specified platform will be accepted. Also for Windows Phone 7, Windows and Mac no policies are accepted currently
ruleSet	Optional	
dataPlan	Optional	
overrideAuthMode	Optional	Relevant only for AD customers. Possible values:

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		- 0: Corporate Credentials - 1: Passcode
comments	Optional	
customAttributes	Optional	<customAttributes> <customAttribute> <customAttributeName>attr1</customAttributeName> <customAttributeValue>true</customAttributeValue> </customAttribute> <customAttribute> < customAttributeName >attr2</ customAttributeName > <customAttributeValue>val1</customAttributeValue> </customAttribute> </customAttributes>
authTypePostEnrollment	Optional	Applies to AD customers only. Can be used with *overrideAuthMode* and usable with Passcode only value (1). Possible values: - 0: Corporate - 1: Local
useAndroidWork	Optional	Used by Android for Work configured accounts. Possible Values: True or False True creates the Android for Work enrollment request if configured to use Android for Work.
androidWorkAccountType	Optional	Used by EMM managed accounts. Possible Values: device or user User is the default Android for Work account type if the account is EMM managed.
seamlessEnrollment	Optional	Seamless passcode enrollment is not recommended as there are security risks associated. Contact support team if you want to use this feature. Applicable only for customer mode with passcode authType. Possoble values: True or False. True-Creates enrollment request with encrypted passcode. False-Creates activation request without encrypted passcode.
enrollWithUserEnrollmentMode	Optional	Enrols a device in iOS User Enrollment mode. Valid only for Employee Owned iOS devices. Seamless enrollment is not supported Managed Apple ID is a prerequisite for User Enrollment. overrideAuthMode is not supported. Possible values: True, False True - creates the user enrollment mode enrollment request
licenseNames	Required only if License Management is enabled for the customer.	Enter the MaaS360 service license bundle (MaaS360 Part Name) to which you want to enroll a device. Possible Values: Provide only the MaaS360 service license bundles (MaaS360 Part Name) corresponding to the customer. For example: • Essentials Suite • Premier Suite • Deluxe Suite • Enterprise Suite • Management Suite • Productivity Suite

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		Note:
		• The MaaS360 service license bundles corresponding to a customer can be obtained from MaaS360 Portal > Setup > License Management > License Overview > MaaS360 Part Name
		• Enter comma separated values
		• The input values are case sensitive
		• For License Management enabled customers,
		  ○ If this parameter value is not provided, the default license configured in the MaaS360 Portal (Setup > Settings > License Settings > Basic > Auto-assign licenses for self enrollments) will be used to assign licenses to devices during enrollment.
		  ○ If this parameter value is not provided and a default license value is not configured in the MaaS360 Portal, then an appropriate error message will be displayed to indicate the same.

Sample Request

POST *https://services.fiberlink.com/device-apis/devices/1.0/enrollDevice/1101234/?userName=example&domain=example.com&emailAddress=abc@example.com*

Sample Response

```
<deviceEnrollment>
        <url>https://iqservices1v.fiberlink.com/dp/a.htm?t=1652-2231118&c=2014622</url>
        <corporateIdentifier>2014622</corporateIdentifier>
        <passcode>32brtr8</passcode>
        <qrCodeURL>
http://www.google.com/chart?cht=qr&chs=200x200&chl=https://iqservices1v.fiberlink.com/dp/a.htm?t=1652-2231118&c=2014622</qrCodeURL>
        <enrollmentId>12126</enrollmentId>
</deviceEnrollment>
```

Mandatory attributes in Response

- url
- corporateIdentifier
- passcode
- qrCodeURL

Access Control

- Customer Properties: Enable Device View
- Access Rights: Manage Device Enrollments

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Manage Device Enrollments

Request

GET /device-apis/devices/1.0/manageDeviceEnrollments/<billingID>

Definition

- Returns the various Device Enrollments created for the billing account
- Enrollments can be filtered by Request Creation Date, Username, Status, Administrator Username – In case of more than 1 criteria is specified, enrollments that meet all the criteria will be returned
- If request creation date range is not returned, then return requests created in last 90 days

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
requestCreationFromDate	Optional	Starting date from which the enrollment request was created
requestCreationToDate	Optional	Ending date on which the enrollment request was created
partialUsername	Optional	Partial Username using which the enrollment was created
status	Optional	Possible values: 0 - "New" 1 - "Pending" 2 - "Complete" 3 - "Failed" 4 - "Exceeded" 5 - "Expired" 6 - "Deleted" 7 - "PendingSecurityAssessment" **Note:** Use the text value for this parameter. For example: status=New
partialAdminUsername	Optional	Partial Administrator Username of the Administrator who created the enrollment request
includeCustomAttributes	Optional	Possible values: 0 (do not include in response; Default), 1 (include in response)
pageSize	Optional	Limit number of requests returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page
enrollmentId	Optional	Enrollment ID of the account for which the web-service is being executed
phoneNumber	Optional	Phone number specified while creating enrollment request for the device

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/manageDeviceEnrollments/1101234

Sample Response

```
<deviceEnrollments>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <deviceEnrollment>
```

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```
            <requestDate>2016-10-12T05:21:45Z</requestDate>
            <platform>iOS</platform>
            <domain>Corporate</domain>
            <username>jsmith</username>
            <emailAddress>jsmith@example.com</emailAddress>
            <policySet>Corporate Policy</policySet>
            <status>2</status>
            <registrationDate>2016-10-12T05:24:29.551Z</registrationDate>
            <registeredDeviceName>James' iPhone</registeredDeviceName>
            <errorInformation></errorInformation>
            <requestedBy>admin@example.com</requestedBy>
            <Id>12126</Id>
            <phoneNumber>9871235460</phoneNumber>
            <maas360DeviceID>ApplCCQDKLC6DCP7</maas360DeviceID>
            <CustomAttributes>
                <customAttribute>
                    <customAttributeName>Boolean</customAttributeName>
                    <customAttributeValue>true</customAttributeValue>
                </customAttributes>
                <customAttributes>
                    <customAttributeName>Enum</customAttributeName>
                    <customAttributeValue>one</customAttributeValue>
                </customAttributes>
            </CustomAttributes>
        </deviceEnrollment>
</deviceEnrollments>
```


Mandatory attributes in Response

- requestDate
- platform
- username
- emailAddress
- status
- requestedBy

Access Control

Customer Properties: Enable Device View
Access Rights: Manage Device Enrollments

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Groups

Get User & Device Groups

Request

GET /group-apis/group/1.0/groups/customer/<billing_id>

Definition

- Get all Device Groups (Public, Private & MaaS360 defined) and User Groups available for the currently logged-in Administrator.
- MaaS360 defined groups are available in the API response only if active distributions such as policies, apps, or rules are present.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/group-apis/group/1.0/groups/customer/1001234/

Sample Response

```
<groups>
        <count>3</count>
        <group>
                <createdBy>hsao_fladmin</createdBy>
                <createdOn>2016-10-12 16:09:21.344</createdOn>
                <description>himanshu sao</description>
                <groupID>341275</groupID>
                <groupName>Hsao-test Group</groupName>
                <groupType>3</groupType>
                <lastModifiedOn>2016-10-12 16:09:21.344</lastModifiedOn>
        </group>
        <group>
        …
        </group>
</groups>
```

Possible values for groupType:
0: MaaS 360 Defined Device Group
1: Private Device Group
2: Public Device Group
3: Local User Group
4: User Directory User Group

Mandatory attributes in Response

- groupID
- groupName
- groupType
- createdBy
- createdOn
- lastModifiedOn

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Search Devices by Device Group (v1)

Request

GET /device-apis/devices/1.0/searchByDeviceGroup/<billingID>

Definition

- Get devices belonging to a Device Group
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
deviceGroupId	Required	ID of the Device Group for which the devices need to be retrieved
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed
sortAttribute	Optional	Keys: lastReported, installedDate
sortOrder	Optional	Keys: asc, dsc

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/searchByDeviceGroup/1101234?deviceGroupId=12345&pageSize=25&pageNumber=2&sortAttribute=installedDate&sortOrder=asc

Sample Response


```
<devices>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <device>
                <maas360DeviceID>a2e13f</maas360DeviceID>
                <deviceName>BBFLLT3337</deviceName>
                <customAssetNumber>09026</customAssetNumber>
                <ownership>Employee Owned</ownership>
                <deviceOwner>Stephen Murphy</deviceOwner>
                <username>smurphy</username>
                <emailAddress>smurphy@example.com</emailAddress>
                <platformName>Windows</platformName>
                <sourceID>1</sourceID>
                <deviceType>Laptop</deviceType>
                <manufacturer>Lenovo</manufacturer>
                <model>T400</model>
                <osName>Microsoft Windows XP</osName>
                <osServicePack>SP2</osServicePack>
                <imeiEsn>3456789019202019</imeiEsn>
                <udid>8e380a56a937cce81620b143359d3404498dd638</udid>
                <wifiMacAddress>09:AB:12:12:21:13</wifiMacAddress>
                <installedDate>2016-10-12T07:15:50</installedDate>
                <lastReported>2016-10-12T20:08:08</lastReported>
                <deviceStatus>Active</deviceStatus>
                <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
                <mailboxManaged>ActiveSync Managed</mailboxManaged>
                <mailboxDeviceID>Appl1234567</mailboxDeviceID>
                <mailboxLastReported>2016-10-13T08:12:30</mailboxLastReported>
```


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```
        </device>
        <device>
        …
        </device>
</devices>
```

Mandatory attributes in Response

- maas360DeviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus
- unifiedTravellerId (Applicable to all devices. Consists of the ActiveSync mailbox ID, or iOS's Exchange ID, or deviceID)

Access Control

Customer Properties: Enable Device View
Access Rights: Device Views – View Only

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Search Devices by Device Group (v2)

Request

GET /device-apis/devices/2.0/searchByDeviceGroup/customer/<billingId>

Definition

- Get devices belonging to a Device Group

Parameters

Parameter Name	Required / Optional	Description
deviceGroupId	Required	ID of the Device Group for which the devices need to be retrieved.
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
billingID	Required	Billing ID of the account for which the web-service is being executed.
lookUpId	Optional	Opaque cursor to fetch next set of records. If this value is not passed, the call will be considered as first page request.

Sample Request

https://services.fiberlink.com/device-apis/devices/2.0/searchByDeviceGroup/customer/1101?deviceGroupId=12345&pageSize=50&lookUpId=sd7sd

Sample Response


```
<devices>
<pageSize>50</pageSize>
<nextLookUpId>8edjbf8</ nextLookUpId >
<device>
<maas360DeviceID>a2e13f</maas360DeviceID>
<deviceName>BBFLLT3337</deviceName>
<customAssetNumber>09026</customAssetNumber>
<ownership>Employee Owned</ownership>
<deviceOwner>Stephen Murphy</deviceOwner>
<username>smurphy</username>
<emailAddress>smurphy@example.com</emailAddress>
<platformName>Windows</platformName>
<sourceID>1</sourceID>
<deviceType>Laptop</deviceType>
<manufacturer>Lenovo</manufacturer>
<model>T400</model>
<osName>Microsoft Windows XP</osName>
<osServicePack>SP2</osServicePack>
<imeiEsn>3456789019202019</imeiEsn>
<udid>8e380a56a937cce81620b143359d3404498dd638</udid>
<wifiMacAddress>09:AB:12:12:21:13</wifiMacAddress>
<installedDate>2016-10-12T07:15:50</installedDate>
<lastReported>2016-10-12T20:08:08</lastReported>
<deviceStatus>Active</deviceStatus>
<maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
<mailboxManaged>ActiveSync Managed</mailboxManaged>
<mailboxDeviceID>Appl1234567</mailboxDeviceID>
<mailboxLastReported>2016-10-13T08:12:30</mailboxLastReported>
</device>
<device>
…
```


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```
</device>
</devices>
```

Note:

- The nextLookUpId will be empty if no further records are to be fetched as per the query criteria.
- Sorting based on any device attribute is not supported in this API.

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Search Users by Group

Request

GET /user-apis/user/1.0/searchByGroup/customer/<billingID>/groupIdentifier/<groupID>

Definition

- Returns users in a User Group (Currently not supported for Device Group)
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
groupIdentifier	Required	
includeAllUsers	Optional	Possible values: - 0: Include users with devices only (Default) - 1: Include all users
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample Request

https://services.fiberlink.com/user-apis/user/1.0/searchByGroup/customer/2047022/groupIdentifier/620532?includeAllUsers=0&pageSize=25&pageNumber=1

Sample Response


```
<users>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <user>
                <userIdentifier>B3A139685EF3719620211A7A99AD0E34</userIdentifier>
                <userName>abarnes</userName>
                <emailAddress>smurphy@example.com</emailAddress>
                <domain>Fiberlink</domain>
                <status>Active</status>
                <location>Bangalore</location>
                <source>0</source>
                <authType>0</authType>
                <createDate>Oct 12, 2016 8:54:53 AM</createdDate>
                <updateDate>Oct 12, 2016 4:10:35 PM</updateDate>
                <groups>
                        <group>
                                <groupId>12345</groupId>
                                <name>Sales</name>
                                <groupDN>cn=Sales,DC=Acmecorp,DC=com<groupDN>##This has value
                        only for User Directory Groups
                        <group>
                        …
                </groups>
                <userCustomAttributes>
                        <customAttribute>
                                <customAttributeName>home</customAttributeName>
                                <customAttributeValue>msn.com</customAttributeValue>
```


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```
                    </cusomAttribute>
            </userCustomAttributes>
        </user>
        <user>
        …
        </user>
</users>
```

Mandatory attributes in Response

- userIdentifier
- userName
- domain
- emailAddress
- source
- status
- createDate
- updateDate

Access Control

Customer Properties: Enable User View for Customer
Access Rights: Users - Read Only

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Get Group level distributions

Request

GET group-apis/group/1.0/distributions/customer/<billing_id>/group/<group_identifier>/type/<dist_type_integer>

Definition

- Returns following types of distributions made on a User / Device Group
  - 1: Automated Request
  - 2: Policy
  - 3: Rules
  - 4: Apps
  - 5: Docs
  - 6: Corporate Doc Shares
  - 7: Group Based Rules
  - 8: Locations

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
group_identifier	Required	Group for which details have to be retrieved
type	Required	Type of distributions that are needed: - 1: Automated Enrollment Request - 2: Policy - 3: Rules - 4: Apps - 5: Docs - 6: Corporate Doc Shares - 7: Group Based Rules - 8: Locations

Sample Request

https://services.fiberlink.com/user-apis/group/1.0/distributions/customer/1001234/group/1234/type/5/

Sample Response

For Apps:

```
<distributions>
        <distribution>
                <category>App</category>
                <name>usergrp</name>
                <type>IOS_WEB_CLIP</type>
        </distribution>
</distributions>
```

For Docs:

```
<distributions>
        <distribution>
                <category>Doc</category>
                <name>apns_certs</name>
                <type>txt</type>
        </distribution>
</distributions>
```

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For Automated Enrollment Requests

```
<distributions>
        <distribution>
                <category>AutomatedRequest</category>
                <type>ENROLLMENT</type>
        </distribution>
</distributions>
```

For Automated Activation Requests

```
<distributions>
        <distribution>
                <category>AutomatedRequest</category>
                <type>ACTIVATION</type>
        </distribution>
</distributions>
```

For Rule set

```
<distributions>
        <distribution>
                <category>Rule</category>
                <name>RuleSet_Mon16022015_101410</name>
        </distribution>
</distributions>
```

For Policies

```
<distributions>
        <distribution>
                <category>Policy</category>
                <name>Default Android MDM Policy</name>
                <type>Android MDM</type>
        </distribution>
</distributions>
```

Mandatory attributes in Response

-

Access Control

Customer Properties: Enable Device View
Access Rights: Device View – Read Only

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Get Search Criteria Options

Request

GET https://<host>/group-apis/group/2.0/searchCriteria/customer/<billing_id>

Definition

- Get All possible search criteria for a given organization
  - Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
  - Accepts XML or JSON headers

Parameters

Parameter Name	Required / Optional	Description
billing_id	Required	Billing ID of the account for which the web-service is being executed

Sample JSON Response


```
{

“searchCriteriaOptions": {
      "conditions": [
         {
            "category": "Hardware Inventory",
            "attributes" : [
               {
                  "attribute": "Enrollment Mode (Inactive)",
                  "type": "enum",
                  "criterias": [
                     "Equal To",
                     "Not Equal To"
                  ],
                  "possibleValues": [
                     "Manual",
                     "Apple Configurator",
                     "DEP"
                  ]
               },
               .
               .
            ]
         },
         .
         .
      ],
      "criteriaOperator": [
         "All Conditions (AND)",
         "Any Condition (OR)",
         "Across Conditions (Advanced)"
      ],
      "deviceStatus": [
         "Active Devices",
         "Inactive Devices",
         "All Devices"
      ],
      "deviceTypes": [
         "Smartphones",
         "Tablets"
      ],
      "lastReported": [
```


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```
        "Last 15 Minutes",
        "Last 1 Hour",
        "Today",
        "Last 7 Days",
        .
        .
      ]
    }
  }
}
```


Access Control

Customer Properties: Enable Web Services
Access Rights: View Devices

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Create Device Groups

Request

POST https://<host>/group-apis/group/2.0/deviceGroups/customer/<billing_id>

Definition

- Create a device group with search criteria
  - Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
  - Accepts XML or JSON headers

Parameters

Parameter Name	Required / Optional	Description
billing_id	Required	Billing ID of the account for which the web-service is being executed

Sample JSON Request

```
{
   "groupName" : "<group name>",
   "groupDescription" : "<group description>",
   "deviceStatus" : "<device status>",
   "lastReported" : "<last reported>",
   "criteriaOperator" : "<criteria operator>",
   "deviceTypes" : [ "device type 1", "device type 2", ..]
   "conditions" : [
      {
         "category" : "<category name>",
         "attribute" : "<attribute name>",
         "criteria" : "<criteria>",
         "value1" : "<value 1>",
         "value2" : "<value 2>"
      }
```

Sample Request Parameters

Parameter Name	Required / Optional	Description
groupName	Required	Name of the device being created.
groupDescription	Optional	Description of the group being created.
deviceStatus	Optional	Status of the device being searched for. Default: Active Devices
lastReported	Optional	Search includes devices last reported in this time. Default: Last 7 Days
deviceTypes	Optional	Types of devices to include in search. Default: All available types are included
criteriaOperator	Optional	Decides if the devices meet all or any one condition provided. Default: All Conditions (AND)
conditions	Optional	Conditions for search criteria, maximum of 10
category	Required	Category name on which condition is being constructed
attribute	Required	Attribute name on which condition is being constructed. Requires the category parameter.
criteria	Required	Criteria to be used for comparison of values. Requires the attribute parameter.
value1	Required	Value of the attribute. Requires the criteria parameter and the attribute parameter.
value2	Optional	Second value of the attribute. Use if criteria such as “between” is used.

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Sample JSON Response


```
{

"response": {
        "billingId": 40006999,
        "groupIdentifier": 4491847,
        "name": "fromWebService3",
        "responseCode": 0
}
```


Response Code Messages

Response code	Message	Scenario
0	Group created successfully	When the group is created successfully without any errors
1	Unknown error occurred while creating device group	When an internal error occurs
2	Add device group workflow is not supported	When the user doesn't have enough privileges to create device group
3	Group name contains one or more following illegal characters: & * < >	When the group name contains illegal characters
4	Group name is empty	When the group name that is provided is empty
5	Group description contains one or more following illegal characters: ^ & < >	When the group description contains illegal characters
6	Device group with the provided name already exists	When a group already exists with the provided group name
7	Invalid value provided for deviceStatus	When the value provided for the deviceStatus is not "Active Devices","Inactive Devices","All Devices"
8	Invalid value provided for lastReported	When an invalid value is provided for lastReported
9	Invalid value operator provided for criteriaOperator	When the value provided for criteriaOperator provided is not "All Conditions (AND)", "Any Condition (OR)", "Across Conditions (Advanced)"
10	Invalid values provided for deviceTypes	When the deviceTypes contain invalid or unavailable values
11	Number of conditions provided exceed 10	When the number of conditions provided is more than 10
12	Invalid value provided for category	When an invalid value is provided for category
13	Invalid value provided for attribute	When an invalid value is provided for attribute
14	Invalid value provided for criteria	When an invalid value is provided for criteria
15	Two values are required for "Between" criteria	When "Between" criteria is provided but only one valid value is specified
16	At least one invalid value provided for attribute of type date/timestamp	When the value for date is not in the epoch milliseconds format or empty
17	At least one invalid value provided for attribute of type number/double	When an invalid value is provided for attributes of number/double format
18	At least one invalid value provided for attribute of type integer	When an invalid value is provided for attributes for the integer format
19	No value is provided in condition for comparision	When at least one value is not provided for comparison in the condition

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20	Second value provided in condition unnecessarily	When non "Between" criteria is selected but second value is provided
21	Invalid value provided for enum type attribute	When an enum attribute is selected, but the comparison value provided is not one of the values in the enum definition
22	Invalid value provided for boolean type attribute	When enum attribute is selected, but the value provided is not “Yes" or "No"
23	Advanced criteriaOperator is not yet supported	When Advanced search criteria is provided, but it’s not yet available for general use

Access Control

Customer Properties: Enable Web Services
Access Rights: Create Device Group

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Create User Groups

Request

POST https://<host>/group-apis/group/1.0/userGroups/customer/<billing_id>

Definition

- Create a user group
  - Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
  - application/x-www-form-urlencoded

Parameters

Parameter Name	Required / Optional	Description
billing_id	Required	Billing ID of the account for which the web-service is being executed
userGroupName	Required	Name of the user group. The name cannot be empty or use only spaces. The name should not contain the following special characters: < > * , = & " The maximum length of the group name is 54 characters. You can replace the following characters with the encoded format: • & can be replaced with %26 • % can be replaced with %25
maas360UserIdsList	Optional	The user IDs of users who should be a part of this user group.
parentGroupIdsList	Optional	The group IDs of the parent group. (Applies to nested groups).
groupDescription	Optional	Description of the user group. The description should not contain the following special characters: < > * = & " The maximum length of the group description is 255 characters. You can replace the following characters with the encoded format: • & can be replaced with %26 • % can be replaced with %25
availableFor	Optional	Use one of the following: • ADMIN_ACCESS_CONTROL (Applies to customers with "Enable Access Control based on User Groups" turned on) • SECURITY • APPS • DOCS (Applies to customers with "Enable Document management(Beta)" turned on) • PLANS (Applies to customers with "Enable Telecom Expense Management" turned on)

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Sample XML Response (Success)

```
<group>
   <description>abc,def^a</description>
   <groupId>9294173</groupId>
   <name>abc_test_9</name>
</group>
```

Sample XML Response (Failure)

```
<group>
   <errorCode>6</errorCode>
   <name>abc_test_9</name>
</group>
```

HTTP Status Code Errors

HTTP Status code	Error code	Meaning
403	1	Unable to create group due to insufficient previlages – Check that all required customer properties are turned on.
400	2	billingId cannot be empty.
400	3	userGroupName cannot be empty.
400	4	userGroupName contains one or more of the following invalid characters < > * , = & " or exceeds 54 characters in length.
400	5	groupDescription contains one or more of the following invalid characters < > * = & " or exceeds 255 characters in length.
400	6	The user group with the provided name already exists.
403	7	The nested groups feature is unavailable for the customer.
400	8	parentGroupIdsList contains IDs in an invalid format
403	9	The customer does not support one or more of the work flows specified inavailableFor.
400	10	availableFor contains duplicate values.

Access Control

Customer Properties: Enable Web Services and User Management Type - "MaaS360 Local Account" or "User Directory (MaaS360 Managed Groups)"
Access Rights: User Views – Add User and Device or higher

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Create Device Group Refresh Request

Request

PUT https://<host>/group-apis/group/2.0/deviceGroupRefreshRequest/customer/<billing_id>

Definition

- Create a device group refresh
  - Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
  - Accept: application/xml or application/json
  - Content-Type: application/x-www-form-urlencoded

Parameters

Parameter Name	Required / Optional	Description
billing_id	Required	Billing ID of the account for which the web-service is being executed
groupID	Required	Group ID of the group that is being refreshed.

Sample JSON Response (Valid authorization and input format)

Response Code: 201
Response Body:

```
{
   "response": {
      "billingId": <billing_id>,
      "responseCode": 0,
      "remainingAttemps": <remaining refresh attempts>
   }
}
```

Sample JSON Response (Invalid input, for example: invalid groupID)

Response Code: 400
Response Body:

```
{
   "response": {
      "billingId": <billing_id>,
      "responseCode": <appropriate response code>
   }
}
```

Sample JSON Response (More than 500 refresh requests made per day for a given billing ID)

Response Code: 429
Response Body:

```
{
   "response": {
      "billingId": <billing_id>,
      "responseCode": 2
   }
}
```

Response Header: retry-after: Time seconds after which requests are accepted. For example, 12345
Invalid authorization: Response code: 401

Sample Request

PUT https://services.fiberlink.com/group-apis/group/2.0/deviceGroupRefreshRequest/customer/30074291

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Response Body Details

HTTP Status code	Response Code	Message	Scenario
201	0	Refresh request created successfully	When refresh request is created successfully
500	1	Unknown error occurred while creating refresh request	When internal error occurs
429	2	Device Group refresh limit reached for the day (as per UTC). Please try again tomorrow Note: The global rate limit for group-apis takes precedence over device group refresh limit so, if attempts for group-apis exceed the limit then no calls can be made to this web-service even if less than 500 calls are made that day.	When more than 500 device group refreshes are requested in a day for a given billing id
400	3	groupID provided doesn't correspond to any Device Group	When the groupID provided belongs to a non-device group
400	4	groupID provided is invalid	When the groupID provided doesnt correspond to any group
400	5	groupID cannot be empty	When groupID parameter is not provided
400	6	The device group has no distributions and cannot be refreshed	When there are no distributions and cannot be refreshed

Access Control

Customer Properties: Enable Web Services
Access Rights: Manage Groups

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Group Actions

Request

POST /actions/1.0/customer/{billingId}/action/{actionType}/group/{groupId}
Content Type Header: application/json

Definition

- Executes the specified action on the target group. Upon successful execution, the method returns a unique identifier (ID) generated for that action. This ID can be used for tracking, retrieving results, or managing further operations related to the group.
- Authorization header: MaaS token="<ADMIN_AUTH_MAAS_TOKEN>"

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web service is run.
actionType	Required	Type of action to be performed on the device. For information on the list of supported action types, see the *Actions* section.
groupId	Required	The group identifier of the group on which the action is to be performed.
Body	-	The details about the API Request body are explained in the *Parameters in the API Body* section.

Parameters in the API Body

Parameter Name	Required / Optional	Description
name	Required	Name of the action being created.
description	Optional	Description of the action being created.
targetType	Optional	Target of the action being created. Sample: "DEVICEGROUP".
actionType	Optional	Action type being created. Sample: "MDM_SCHEDULE_OS_UPDATE"
expiryDate	Required	The expiry date for the action in the epoch time format.
requestorWorkflow	Required	Source from where the action is being created.
additionalParams	Optional	Additional information required for the action. For more information, see the additionalParams supported for each action type in the *Actions* section.

Sample Response

```
"{
  ""actionId"": ""297053979""
}"
```

Mandatory attributes in Response

- actionId

Actions

OS Update

- **Action Type**: MDM_SCHEDULE_OS_UPDATE
- **Description**: Schedule an OS update action for the device group.

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- **Platform**: iOS
- **Conditions for the action to work**:
  Applicable only for Supervised devices.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
productVersion	Required	The software version to install or download to the device group. Sample: 17.2.1
entityId	Required	A unique entity identifier.
entityType	Required	Action to be applied to the device group. Sample: OSUPDATE In this sample, "entityType": "OSUPDATE", indicates to push an OS update to the device group.

entityContext	Required	Entity context value.
		Sample:
		{\"productVersion\":\"17.2.1\",\"subActionType\":\"DownloadOnly\"}
		
		In this sample,
		• productVersion is the software version to install or download to the device group.
		• subActionType
		  ○ For an enforcement action, the subActionType value must be specified as OS Enforcement.
		  ○ For a legacy action, the subActionType value can be either Default, DownloadOnly, or InstallAsap based on the user's requirement.

osUpdateActionType	Required	Action type for OS update. Possible values: • DownloadOnly: Downloads the requested software version to the device group. • InstallASAP: Installs the previously downloaded software update on the device group. • Default: Downloads and installs the requested software version on the device group. • OS Enforcement: Enforces OS software updates on the device group. Applicable for devices with a version greater than iOS 17.

- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_SCHEDULE_OS_UPDATE/group/7953175?actionType=MDM_SCHEDULE_OS_UPDATE_GROUP&ssId=7953175&actionName=scheduleOsUpdateGroup&installAction=DownloadOnly&productVersion=17.2.1&_=1705653932393

- **Sample request body in JSON:**

```
{
  "actionType":"MDM_SCHEDULE_OS_UPDATE",
  "targetType":"DEVICEGROUP",
  "additionalParams":{
    "productVersion":"17.2.1","productVersion":"17.2.1",
    "entityId": "1234",
    "entityType":"OSUPDATE",
```

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"entityContext":"{\"productVersion\":\"17.2.1\",\"subActionType\":\"DownloadOnly\"}",
"osUpdateActionType":"DownloadOnly"
},
"expiryDate":4076068726000,
"requestorWorkflow":"TEST",
"name":"MDM_SCHEDULE_OS_UPDATE"
}

- **Access Control**
  - Customer Properties: Enable Web Services
  - Access Rights: Device Group actions

Reboot Action

- **Action Type**: MDM_AFW_REMOTE_REBOOT
- **Description**: Performs a restart of the devices in the group.
- **Platform**: Android
- **Conditions for the action to work**:
  - For Classic Android Enterprise Device Owner or Non-GMS devices,
    - The Android OS version must be 7 and above.
    - The agent version of the device must be 5.65 and above.
  - For Modern Android Enterprise Device Owner devices,
    - The Android OS version must be 7 and above.
- **Sample request:**

  https://services.fiberlink.com/action-apis/actions/1.0/customer/1101234/action/MDM_AFW_REMOTE_REBOOT/group/7949645'
- **Sample request body in JSON:**

{
"actionType":"MDM_AFW_REMOTE_REBOOT",
"targetType":"DEVICEGROUP",
"additionalParams":{
"addComments":"",
"deviceUserEmail": "",
"loggedinUserEmail":"<loggedinUserEmail>"
},
"expiryDate":4076068726000,
"requestorWorkflow":"TEST",
"name":"groupRebootAction"
}

- **Access Control**
  - Customer Properties: Enable Web Services
  - Access Rights: Device Group actions

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Kiosk Enter

- **Action Type**: KIOSK_ENTER
- **Description**: Enable Kiosk mode on devices that are not already in Kiosk mode.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise Device Owner devices.
  - The agent version of the device must be greater than 8.50.
  - Kiosk mode is not already activated on the target devices.
  - Kiosk mode activation is currently not in progress on the target devices.
  - Kiosk mode is enabled in the Mobile Device Management (MDM) policies.
- **Sample request:**

  https://services.fiberlink.com/action-apis/action-mgmt-apis/actions/1.0/customer/1101234/action/KIOSK_ENTER/device/a1b2c3
- **Sample request body in JSON:**

```
{
  "name":" KIOSK_ENTER",
  "expiryDate":1907523200000,
  "description":"KIOSK_ENTER",
  "requestorWorkflow":"TEST"
}
```

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Kiosk Exit

- **Action Type**: KIOSK_EXIT
- **Description**: Exit the Kiosk mode on devices only when Kiosk mode is already enabled.
- **Platform**: Android
- **Conditions for the action to work**:
  - Applicable for Android Enterprise Device Owner devices.
  - The agent version of the device must be greater than 8.50.
  - Kiosk mode must be Enabled.
- **Sample request:**

  https://services.fiberlink.com/action-mgmt-apis/actions/1.0/customer/1101234/action/KIOSK_EXIT/device/a1b2c3
- **Sample request body in JSON:**

```
{
  "name":"KIOSK_EXIT",
  "expiryDate":1907523200000,
  "description":"KIOSK_EXIT",
  "requestorWorkflow":"TEST"
}
```

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My WatchList

Get WatchLists

Request

GET /device-apis/devices/1.0/getWatchLists/<billingID>/

Definition

- Refresh the value of all WatchLists relevant for the account and return the latest values for these

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/getWatchLists/1101234/

Sample Response

```
<watchLists>
        <count>50</count>
        <watchList>
                <alertType>INFO</alertType> ##Possible values: INFO, SECURITY
                <shortText>Inactive Devices</shortText>
                <watchListName>dv_old_av_def</watchListName>
                <watchListCategories>
                        <watchListCategory>Desktop Management</watchListCategory>
                        <watchListCategory>Mobile Device Management</watchListCategory> ##
                Possible values: Desktop Management, Mobile Device Management
                </watchListCategories>
                <watchListDescription>”Devices Not Reported in Last 7 days.”</watchListDescription >
                <watchListShortDescription>Inactive Devices</watchListShortDescription>
                <watchListValue>10</watchListValue>
        </watchList>
        <watchList>
        …
        </watchList>
</watchLists>
```

Mandatory attributes in Response

- watchListName
- watchListDescription
- watchListValue

Access Control

Customer Properties: Enable Device View
Access Rights: Device Views – View Only

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Search by WatchList

Request

GET /device-apis/devices/1.0/searchByWatchList/<billingID>

Definition

- Get devices that are included in a WatchList
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
watchListName	Required	Name of the WatchList for which the devices need to be retrieved
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/searchByWatchList/<billingID>?watchListName=dv_old_av_def&pageSize=50&pageNumber=2

Sample Response


```
<devices>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <device>
                <maas360DeviceID>a2e13f</maas360DeviceID>
                <deviceName>BBFLLT3337</deviceName>
                <customAssetNumber>09026</customAssetNumber>
                <ownership>Employee Owned</ownership>
                <deviceOwner>Stephen Murphy</deviceOwner>
                <username>smurphy</username>
                <emailAddress>smurphy@example.com</emailAddress>
                <platformName>Windows</platformName>
                <sourceID>1</sourceID>
                <deviceType>Laptop</deviceType>
                <manufacturer>Lenovo</manufacturer>
                <model>T400</model>
                <osName>Microsoft Windows XP</osName>
                <osServicePack>SP2</osServicePack>
                <imeiEsn>3456789019202019</imeiEsn>
                <udid>8e380a56a937cce81620b143359d3404498dd638</udid>
                <wifiMacAddress>09:AB:12:12:21:13</wifiMacAddress>
                <installedDate>2016-10-12T10:50:19</installedDate>
                <lastReported>2016-10-12T19:29:45</lastReported>
                <deviceStatus>Active</deviceStatus>
                <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
                <mailboxManaged>ActiveSync Managed</mailboxManaged>
                <mailboxDeviceID>Appl1234567</mailboxDeviceID>
                <mailboxLastReported>2016-10-12T11:28:59</mailboxLastReported>
        </device>
        <device>
```


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```
        …
        </device>
</devices>
```

Mandatory attributes in Response

- maas360DeviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus

Access Control

Customer Properties: Enable Device View
Access Rights: Device Views – View Only

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Policy

Get Relevant Policies for a Service

Request

GET /device-apis/devices/1.0/policies/<billingID>

Definition

- Returns all relevant policies for a Service
- Relevant for iOS MDM, Android MDM, Windows Phone MDM, OSX MDM, Exchange ActiveSync, BES, and Persona Policy

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
service	Optional	Possible values: - iOS MDM - Android MDM - Windows Phone MDM - OSX MDM - Persona Policy - Exchange ActiveSync - BES

Sample Request

https://services.fiberlink.com/device-apis/devices/1.0/policies/1101234?service=BES

Sample Response

```
<policies>
        <count>10</count>
        <policy>
                <policyName>Corporate Policy</policyName>
                <isDefault>No</isDefault>
                <service>iOS MDM</service>
                <policyStatus>Needs Publish</policyStatus>
                <publishVersion>8</publishVersion>
                <precedence>1</precedence>
                <lastModifiedDate>2016-10-12T05:21:01.357Z</lastModifiedDate>
                <lastPublishedDate>2016-10-12T05:21:01.357Z</lastPublishedDate>
        <policy>
</policies>
```

Mandatory attributes in Response

- policyName
- isDefault
- service
- policyStatus
- lastModifiedDate

Access Control

Customer Properties: Manage ActiveSync Devices or Manage iPhones or Manage Androids or Manage BlackBerrys
Access Rights: Policies (View Only)

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Get Enabled Services in a Persona Policy

Request

GET /policymgmt-apis/policies/2.0/enabledServices/customer/<billingId>/<policyName>

Definition

❖ Returns all enabled services for a specified Persona policy

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
policyName	Required	Name of the Persona policy

Sample Request

https://services.fiberlink.com/policymgmt-apis/policies/2.0/enabledServices/customer/1101234?policyName=Corporate

Sample Response

```
<enabledServices>
        <service>Secure Mail</service>
        <service>Gateway for Browser</service>
</enabledServices>
```

Possible Services

- App Catalog
- Docs Editor
- Gateway for Browser
- Secure Browser
- Secure Browser MaaS360 Enterprise Gateway
- Secure Editor for Docs
- Secure Mail
- Secure Viewer
- Workplace App Container

Mandatory attributes in Response

- enabledServices
- service

Access Control

Access Rights: Policies (View Only)

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Compliance Rules

Search Compliance Events

Request

GET /device-apis/devices/1.0/searchComplianceEvents/<billingID>

Definition

- Search compliance events by Device ID. If no Device ID is specified, the compliance events across all devices for the customer is returned
- Only events for devices that are currently out of compliance will be returned by this API
- The events are sorted in newest first order
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
deviceId	Optional	Client Serial Number of the device
pageSize	Optional	Limit number of devices returned at one time. (Default value is 50). Recommended page sizes are 25, 50, 100, 200 & 250
pageNumber	Optional	Results specific to a particular page. Default is first page.

Sample Request

For all devices: *https://services.fiberlink.com/device-apis/devices/1.0/searchComplianceEvents/<billingID>?pageSize=25&pageNumber=1*

Or

For specific device: *https://services.fiberlink.com/security-apis/compliance/1.0/searchComplianceEvents/1101234?deviceId=a1b2c3&pageSize=25&pageNumber=1*

Sample Response

```
<complianceEvents>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <complianceEvent>
                <deviceName>BBFL1234</deviceName>
                <platformName>iOS</platformName>
                <maas360DeviceID>Appl12345678</maas360DeviceID>
                <username>smurphy</username>
                <rule>Restrict Jailbroken and Rooted device </rule>
                <ruleset>Corporate Ruleset</ruleset>
                <action>Selective Wipe</action>
                <actionStatus>Complete</actionStatus> ## Pending, Complete, Failed, Executed in
        Exchange Server, etc
                <actionExecutionTime>2016-10-12T21:10:55Z</actionExecutionTime>
        </complianceEvent>
        <complianceEvent>
        ....
```

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```
        </complianceEvent>
</complianceEvents>
```

Mandatory attributes in Response

- deviceName
- platformName
- maas360DeviceID
- username
- rules
- ruleset
- action

Access Control

- Customer Properties: Enable Rules based Actions
- Access Rights: Manage Policies

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Applications

Search Installed Apps

Request

GET /application-apis/installedApps/1.0/search/<billingID>

Definition

- Search for all installed Apps across all devices by App Name, App ID and Platform
- Support for partial match for these attributes
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
partialAppName	Optional	Partial or full App Name string that needs to be searched for
appID	Optional	Full AppID that needs to be searched for
platform	Optional	Supported values: - iOS - Android - BlackBerry
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/application-apis/installedApps/1.0/search/1101234?appID=com.maas360.control&platform=iOS&pageSize=25&pageNumber=2

Sample Response

```
<installedApps>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <app>
                <devicecount>40</devicecount>
                <appName>MaaS360</appName>
                <platform>iOS</platform>
                <appID>com.fiberlink.maas360forios</appID>
                <majorVersions>3</majorVersions>
        </app>
        <app>
        …
        </app>
</installedApps>
```

Mandatory attributes in Response

- appName
- platform
- appID

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- majorVersions

Access Control

- Customer Properties: Enable Device View
- Access Rights: Device Views – View Only

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Search Apps (v1)

Request

GET /application-apis/applications/1.0/search/<billingId>

Definition

- Search for iOS, macOS, and Android apps by App Name, App ID, App Type, Enterprise rating, Category, Status & Device type
- Support for partial match for these attributes
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
appName	Optional	Partial Application Name string that needs to be searched for
appId	Required	Partial or full App ID for the app to be searched
appType	Optional	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 8: iOS Web-Clip 10: Mac App Store Application 11: Mac Enterprise Application
enterpriseRating	Optional	Possible Values: 1, 2, 3, 4, 5
category	Optional	Partial or full category Name string that needs to be searched for
status	Optional	Active or Deleted (Case insensitive)
deviceType	Optional	Possible values: 1: Smartphone 2: Tablet 3: Smartphone, Tablet
instantUpdate	Optional	Possible values: 0: Disabled 1: Enabled

Sample Request

GET *https://services.fiberlink.com/application-apis/applications/1.0/search/1101234?appName=webex&appType=3&status=active&pageSize=25&pageNumber=2*

Sample Response

```
<apps>
<count>1</count>
<pageSize>50</pageSize
<pageNumber>2</pageNumber
<app>
        <appIconURL>icon1.png</appIconURL>
        <appIconFullURL>https://cdn.maas360.com/icon1.png</appIconFullURL>
```

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```
        <appName>Webex Productivity Tool</appName>
        <appId>com.sample.app</appId>
        <enterpriseRating>3</enterpriseRating>
        <fileName>ptools.app</fileName>
        <platform>iOS</platform>
        <appType>2</appType>
        <appFullVersion>5.2.5</appFullVersion>
        <appVersionState>1</appVersionState>
        <appIconFullURL>string</appIconFullURL>
        <appId>string</appId>
        <enterpriseRating>string</enterpriseRating>
        <category>Games</category>
        <appSize>1.106</appSize>
        <status>active</status>
        <deviceType>1</deviceType>
        <vppCodes></vppCodes>
        <uploadDate>2016-10-13T04:40:59.921+00:00</uploadDate>
        <uploadedBy>admin@acmecorp.com</uploadedBy>
        <lastUpdated>2016-10-13T04:44:59.579+00:00</lastUpdated>
        < instantUpdate>1</instantUpdate>
        <lastUpdatedBy>admin@acmecorp.com</lastUpdatedBy>
        </app>
</apps>
```


Sample Response (JSON)


```
{
        "apps": {
        "count": "10",
        "pageSize": "50",
        "pageNumber": "2",
        "app": {
            "appIconURL": "icon1.png",
              "appIconFullURL": "https://cdn.maas360.com/icon1.png",
            "appName": "Webex Productivity Tool",
            "appId": "com.sample.app",
            "enterpriseRating": "3",
            "fileName": "ptools.app",
            "platform": "iOS",
            "appType": "2",
            "appFullVersion": "5.2.5",
            "appVersionState": "1",
            "category": "Games",
            "appSize": "1.106",
            "status": "active",
            "deviceType": "1",
            "uploadDate": "2010-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@acmecorp.com",
            "lastUpdated": "2010-11-30T05:52:53.011+00:00"
            "lastUpdatedBy": "admin@acmecorp.com"
          }
         }
```


Response Definitions

Response Key	Value or definition
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

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Mandatory attributes in Response

- appName
- appIconURL
- appId
- platform
- appType
- status
- deviceType
- uploadDate
- uploadedBy
- lastUpdated
- lastUpdatedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Search Apps (v2)

Request

GET /application-apis/applications/2.0/search/customer/<billingId>

Definition

- Search for iOS, macOS, and Android apps by App Name, App ID, App Type, Enterprise rating, Category, Status & Device type
- Support for partial match for these attributes
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
appName	Optional	Partial Application Name string that needs to be searched for
appId	Required	Partial or full App ID for the app to be searched
appType	Optional	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 8: iOS Web-Clip 10: Mac App Store Application 11: Mac Enterprise Application
enterpriseRating	Optional	Possible Values: 1, 2, 3, 4, 5
category	Optional	Partial or full category Name string that needs to be searched for
status	Optional	Active or Deleted (Case insensitive)
deviceType	Optional	Possible values: 1: Smartphone 2: Tablet 3: Smartphone, Tablet
instantUpdate	Optional	Possible values: 0: Disabled 1: Enabled

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/search/customer/1101234?appName=webex&appType=3&status=active&pageSize=25&pageNumber=2

Sample Response

```
<apps>
<count>1</count>
<pageSize>50</pageSize
<pageNumber>2</pageNumber
<app>
        <appIconURL>icon1.png</appIconURL>
        <appIconFullURL>https://cdn.maas360.com/icon1.png</appIconFullURL>
```

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```
        <appName>Webex Productivity Tool</appName>
        <appId>com.sample.app</appId>
        <enterpriseRating>3</enterpriseRating>
        <fileName>ptools.app</fileName>
        <platform>iOS</platform>
        <appType>2</appType>
        <appFullVersion>5.2.5</appFullVersion>
        <appVersionState>1</appVersionState>
        <category>Games</category>
        <appSize>1.106</appSize>
        <status>active</status>
        <deviceType>1</deviceType>
        <vppCodes></vppCodes>
        <uploadDate>2016-10-13T04:40:59.921+00:00</uploadDate>
        <uploadedBy>admin@acmecorp.com</uploadedBy>
        <lastUpdated>2016-10-13T04:44:59.579+00:00</lastUpdated>
        <instantUpdate>1</instantUpdate>
        <lastUpdatedBy>admin@acmecorp.com</lastUpdatedBy>
        </app>
</apps>
```


Sample Response (JSON)


```
{
        "apps": {
        "count": "10",
        "pageSize": "50",
        "pageNumber": "2",
        "app": {
            "appIconURL": "icon1.png",
              "appIconFullURL": "https://cdn.maas360.com/icon1.png",
            "appName": "Webex Productivity Tool",
            "appId": "com.sample.app",
            "enterpriseRating": "3",
            "fileName": "ptools.app",
            "platform": "iOS",
            "appType": "2",
            "appFullVersion": "5.2.5",
            "appVersionState": "1",
            "category": "Games",
            "appSize": "1.106",
            "status": "active",
            "deviceType": "1",
            "uploadDate": "2010-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@acmecorp.com",
            "lastUpdated": "2010-11-30T05:52:53.011+00:00"
            "instantUpdate": 0
            "lastUpdatedBy": "admin@acmecorp.com"
          }
        }
```


Response Definitions

Response Key	Value or definition
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

Mandatory attributes in Response

- appName
- appIconURL

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- appId
- platform
- appType
- status
- deviceType
- uploadDate
- uploadedBy
- lastUpdated
- lastUpdatedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Find Apps

Request

GET /applications/2.0/apps/customer/<billingId>

Definition

- Search for iOS, macOS, and Android apps by App Name, App ID, App Type, Enterprise rating, Category, Status & Device type
- Support for partial match for these attributes
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
appName	Optional	Partial Application Name string that needs to be searched for
appId	Required	Partial or full App ID for the app to be searched
appType	Optional	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 8: iOS Web-Clip 10: Mac App Store Application 11: Mac Enterprise Application
enterpriseRating	Optional	Possible Values: 1, 2, 3, 4, 5
category	Optional	Partial or full category Name string that needs to be searched for
status	Optional	Active or Deleted (Case insensitive)
deviceType	Optional	Possible values: 1: Smartphone 2: Tablet 3: Smartphone, Tablet

Sample Request

https://services.fiberlink.com/applications/2.0/apps/customer/1101234?appName=webex&appType=3&status=active&pageSize=25&pageNumber=2

Sample Response

```
<apps>
<count>1</count>
<pageSize>50</pageSize
<pageNumber>2</pageNumber
<app>
        <appIconURL>icon1.png</appIconURL>
        <appIconFullURL>https://cdn.maas360.com/icon1.png</appIconFullURL>
        <appName>Webex Productivity Tool</appName>
        <appId>com.sample.app</appId>
        <enterpriseRating>3</enterpriseRating>
        <fileName>ptools.app</fileName>
```

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```
        <platform>iOS</platform>
        <appType>2</appType>
        <appFullVersion>5.2.5</appFullVersion>
        <appVersionState>1</appVersionState>
        <category>Games</category>
        <appSize>1.106</appSize>
        <status>active</status>
        <deviceType>1</deviceType>
        <vppCodes></vppCodes>
        <uploadDate>2016-10-13T04:40:59.921+00:00</uploadDate>
        <uploadedBy>admin@acmecorp.com</uploadedBy>
        <lastUpdated>2016-10-13T04:44:59.579+00:00</lastUpdated>
        </app>
</apps>
```


Sample Response (JSON)


```
{
        "apps": {
        "count": "10",
        "pageSize": "50",
        "pageNumber": "2",
        "app": {
            "appIconURL": "icon1.png",
              "appIconFullURL": "https://cdn.maas360.com/icon1.png",
            "appName": "Webex Productivity Tool",
            "appId": "com.sample.app",
            "enterpriseRating": "3",
            "fileName": "ptools.app",
            "platform": "iOS",
            "appType": "2",
            "appFullVersion": "5.2.5",
            "appVersionState": "1",
            "category": "Games",
            "appSize": "1.106",
            "status": "active",
            "deviceType": "1",
            "uploadDate": "2010-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@acmecorp.com",
            "lastUpdated": "2010-11-30T05:52:53.011+00:00"
          }
         }
```


Response Definitions

Response Key	Value or definition
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

Mandatory attributes in Response

- appName
- appIconURL
- appId
- platform
- appType
- status
- deviceType
- uploadDate
- uploadedBy
- lastUpdated

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Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Get App Details (v1)

Request

GET /application-apis/applications/1.0/getAppDetails/<billingID>

Definition

- Returns details for active iOS, macOS, and Android apps

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
appType	Required	Possible values: 1: iOS Enterprise app 2: iOS App Store app 3: Android Enterprise app 4: Android Market app 8: iOS web-clip 10: Mac App Store Application 11: Mac Enterprise Application
appId	Required	Unique ID of app
appVersion	Optional	Required if there is a secondary app
isAppApprovalApp	Optional	Places all apps in the IN_REVIEW state. Possible values: • Yes – apps are reviewed (marked as IN_REVIEW) before being added to the App Approval workflow. • No or no parameter provided –app status is marked ACTIVE (production catalog apps)
instantUpdate	Optional	Possible values (supports Android Enterprise app only): 0: Disabled 1: Enabled

Sample Request

https://services.fiberlink.com/application-apis/applications/1.0/getAppDetails/1101234?appId=com.example&appType=2

Sample Response (XML)

```
<app>
<appName>Webex Productivity Tool</appName>
<appId>com.webex</appId
<platform>iOS</platform>
<appType>2</appType>
<status>ACTIVE</status>
<category>Games</category>
<supportedOn>1</supportedOn> ##1: 1: Smartphone, 2: Tablet, 3: Smartphone, Tablet
<distributions>
<distribution>All devices</distribution>
</distributions>
<installs>1</installs>
<distributed>3</distributed>
<appVersion>1.0</appVersion>
<appVersionState>1</appVersionState>
<appSize>10.5<appSize>
<uploadDate>2010-11-30T05:52:53.011+00:00</uploadDate>
<uploadedBy>admin@acmecorp.com</uploadedBy
```

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```
<provisioningProfileExpiry>2010-11-30T05:52:53.011+00:00</provisioningProfileExpiry>
<minimumOSVersion>4.3</minimumOSVersion>
<secPolicies>
<secPolicy>
<key>RESTRICT_DATA_BACKUP</key>
<value>Yes</value>
</secPolicy>
<secPolicies>
<appDiscoveryPortal>0</appDiscoveryPortal>
<appOwner>maas360@fiberlink.com</appOwner> ## If App Discovery portal is enabled for the account
<details>xyz</details>
<appAttributes
<appAttribute>
<attributeName>UR"L_Type'</attributeName>
<attributeValue />
</appAttribute>
</appAttributes>
<rawManifestUrl>http://manifest</rawManifestUrl>
<instantUpdate>1</instantUpdate>
</app>
```


Sample Response (JSON)


```
{
    "app": {
        "appName": "Example Productivity Tool",
        "appId": "com.example",
        "platform": "iOS",
            "appType": "2",
            "status": "ACTIVE",
            "category": "Marketing",
            "supportedOn": "1",
            "distributions": {
                "distribution": "All devices"
            },
            "installs": "1",
            "distributed": "3",
            "appVersion": "1.0",
            "appVersionState": "1",
            "appSize": "10.5",
            "uploadDate": "2016-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@example.com",
            "provisioningProfileExpiry": "2016-11-30T05:52:53.011+00:00",
            "minimumOSVersion": "7.0",
            "secPolicies": {
            "secPolicy": {
            "key": "RESTRICT_DATA_BACKUP",
            "value": "Yes"
                }
            },
            "appDiscoveryPortal": "0",
            "appOwner": "owner@example.com",
            "details": "Download this to do your job",
            "appAttributes":{
                "Attribute":{
                    "AttributeName":"Email",

        "AttributeValue":"abc@fiberlink.com"
                    }
                }
            }
            "rawManifestUrl":"http://manifest"
```


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"instantUpdate": 0
}

Response Definitions

Response Key	Value or definition
supportedOn	1: Smartphone 2: Tablet 3: Smartphone and Tablet
appDiscoveryPortal	Appears if it's enabled for the account. 0: Not Available 1: View only 2: View and Request
secPolicy	Contains: RESTRICT_DATA_BACKUP REMOVE_APP_ON_MDM_CONTROL REMOVE_APP_ON_SELECTIVE_WIPE REMOVE_APP_ON_MDM_CONTROL_AND_SELECTIVE_WIPE RESTRICT_CUT_COPY_PASTE ENFORCE_AUTHENTICATION ENFORCE_COMPLIANCE INSTANT_INSTALL INSTANT_INSTALL_TRANSPORT
INSTANT_INSTALL_TRANSPORT	Key contained in secPolicy. Has the following possible values: 0: All Networks 1: Wi-fi only 2: Wi-fi and In-network cellular
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

Mandatory attributes in Response

- appName
- appId
- platform
- appType
- status
- category
- uploadDate
- uploadedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Get App Details (v2)

Request

GET /application-apis/applications/2.0/getAppDetails/customer/<billingID>

Definition

- Returns details for active iOS, macOS, and Android apps

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
appType	Required	Possible values: 1: iOS Enterprise app 2: iOS App Store app 3: Android Enterprise app 4: Android Market app 8: iOS web-clip 10: Mac App Store Application 11: Mac Enterprise Application
appId	Required	Unique ID of app
appVersion	Optional	Required if there is a secondary app
groupId	Optional	If not specified, assumed it as global (-1).

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/getAppDetails/customer/1101234?appId=com.example&appType=2

Sample Response (XML)


```
<app>
<appName>Webex Productivity Tool</appName>
<appId>com.webex</appId
<platform>iOS</platform>
<appType>2</appType>
<status>ACTIVE</status>
<category>Games</category>
<supportedOn>1</supportedOn> ##1: 1: Smartphone, 2: Tablet, 3: Smartphone, Tablet
<distributions>
<distribution>All devices</distribution>
</distributions>
<installs>1</installs>
<distributed>3</distributed>
<appVersion>1.0</appVersion>
<appVersionState>1</appVersionState>
<appSize>10.5<appSize>
<uploadDate>2010-11-30T05:52:53.011+00:00</uploadDate>
<uploadedBy>admin@acmecorp.com</uploadedBy
<provisioningProfileExpiry>2010-11-30T05:52:53.011+00:00</provisioningProfileExpiry>
<minimumOSVersion>4.3</minimumOSVersion>
<secPolicies>
<secPolicy>
<key>RESTRICT_DATA_BACKUP</key>
<value>Yes</value>
</secPolicy>
<secPolicies>
<appDiscoveryPortal>0</appDiscoveryPortal>
<appOwner>maas360@fiberlink.com</appOwner> ## If App Discovery portal is enabled for the account
<details>xyz</details>
<appAttributes
<appAttribute>
```


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```
<attributeName>UR"L_Type'</attributeName>
<attributeValue />
</appAttribute>
</appAttributes>
<rawManifestUrl>http://manifest</rawManifestUrl>
<instantUpdate>1</instantUpdate>
</app>
```


Sample Response (JSON)


```
{
    "app": {
        "appName": "Example Productivity Tool",
        "appId": "com.example",
        "platform": "iOS",
            "appType": "2",
            "status": "ACTIVE",
            "category": "Marketing",
            "supportedOn": "1",
            "distributions": {
                "distribution": "All devices"
            },
            "installs": "1",
            "distributed": "3",
            "appVersion": "1.0",
            "appVersionState": "1",
            "appSize": "10.5",
            "uploadDate": "2016-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@example.com",
            "provisioningProfileExpiry": "2016-11-30T05:52:53.011+00:00",
            "minimumOSVersion": "7.0",
            "secPolicies": {
            "secPolicy": {
            "key": "RESTRICT_DATA_BACKUP",
            "value": "Yes"
                }
            },
            "appDiscoveryPortal": "0",
            "appOwner": "owner@example.com",
            "details": "Download this to do your job",
            "appAttributes":{
                "Attribute":{
                    "AttributeName":"Email",

        "AttributeValue":"abc@fiberlink.com"
                    }
                }
            }
            "rawManifestUrl":http://manifest
            "instantUpdate": 0
        }
```


Response Definitions

Response Key	Value or definition
supportedOn	1: Smartphone 2: Tablet 3: Smartphone and Tablet
appDiscoveryPortal	Appears if it’s enabled for the account. 0: Not Available 1: View only 2: View and Request

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Response Key	Value or definition
secPolicy	Contains: RESTRICT_DATA_BACKUP REMOVE_APP_ON_MDM_CONTROL REMOVE_APP_ON_SELECTIVE_WIPE REMOVE_APP_ON_MDM_CONTROL_AND_SELECTIVE_WIPE RESTRICT_CUT_COPY_PASTE ENFORCE_AUTHENTICATION ENFORCE_COMPLIANCE INSTANT_INSTALL INSTANT_INSTALL_TRANSPORT
INSTANT_INSTALL_TRANSPORT	Key contained in secPolicy. Has the following possible values: 0: All Networks 1: Wi-fi only 2: Wi-fi and In-network cellular
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

Mandatory attributes in Response

- appName
- appId
- platform
- appType
- status
- category
- uploadDate
- uploadedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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App Details

Request

GET /applications/2.0/appDetails/customer/<billingId>

Definition

❖ Returns details for active iOS, macOS, and Android apps

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
appType	Required	Possible values: 1: iOS Enterprise app 2: iOS App Store app 3: Android Enterprise app 4: Android Market app 8: iOS web-clip 10: Mac App Store Application 11: Mac Enterprise Application
appId	Required	Unique ID of app
appVersion	Optional	Required if there is a secondary app
isAppApprovalApp	Optional	Places all apps in the IN_REVIEW state. Possible values: • Yes – apps are reviewed (marked as IN_REVIEW) before being added to the App Approval workflow. • No or no parameter provided –app status is marked ACTIVE (production catalog apps)

Sample Request

https://services.fiberlink.com/applications/2.0/appDetails/customer/1101234?appId=com.example&appType=2

Sample Response (XML)


```
<app>
<appName>Webex Productivity Tool</appName>
<appId>com.webex</appId
<platform>iOS</platform>
<appType>2</appType>
<status>ACTIVE</status>
<category>Games</category>
<supportedOn>1</supportedOn> ##1: 1: Smartphone, 2: Tablet, 3: Smartphone, Tablet
<distributions>
<distribution>All devices</distribution>
</distributions>
<installs>1</installs>
<distributed>3</distributed>
<appVersion>1.0</appVersion>
<appVersionState>1</appVersionState>
<appSize>10.5<appSize>
<uploadDate>2010-11-30T05:52:53.011+00:00</uploadDate>
<uploadedBy>admin@acmecorp.com</uploadedBy
<provisioningProfileExpiry>2010-11-30T05:52:53.011+00:00</provisioningProfileExpiry>
<minimumOSVersion>4.3</minimumOSVersion>
<secPolicies>
<secPolicy>
```


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```
<key>RESTRICT_DATA_BACKUP</key>
<value>Yes</value>
</secPolicy>
<secPolicies>
<appDiscoveryPortal>0</appDiscoveryPortal>
<appOwner>maas360@fiberlink.com</appOwner> ## If App Discovery portal is enabled for the account
<details>xyz</details>
<appAttributes
<appAttribute>
<attributeName>UR"L_Type'</attributeName>
<attributeValue />
</appAttribute>
</appAttributes>
<rawManifestUrl>http://manifest</rawManifestUrl>
</app>
```


Sample Response (JSON)


```
{
    "app": {
        "appName": "Example Productivity Tool",
        "appId": "com.example",
        "platform": "iOS",
            "appType": "2",
            "status": "ACTIVE",
            "category": "Marketing",
            "supportedOn": "1",
            "distributions": {
                "distribution": "All devices"
            },
            "installs": "1",
            "distributed": "3",
            "appVersion": "1.0",
            "appVersionState": "1",
            "appSize": "10.5",
            "uploadDate": "2016-11-30T05:52:53.011+00:00",
            "uploadedBy": "admin@example.com",
            "provisioningProfileExpiry": "2016-11-30T05:52:53.011+00:00",
            "minimumOSVersion": "7.0",
            "secPolicies": {
            "secPolicy": {
            "key": "RESTRICT_DATA_BACKUP",
            "value": "Yes"
                }
            },
            "appDiscoveryPortal": "0",
            "appOwner": "owner@example.com",
            "details": "Download this to do your job",
            "appAttributes":{
                "Attribute":{
                    "AttributeName":"Email",
                    "AttributeValue":"abc@fiberlink.com"
                    }
                }
            }
            "rawManifestUrl":"http://manifest"
        }
```


Response Definitions

Response Key	Value or definition
supportedOn	1: Smartphone

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Response Key	Value or definition
	2: Tablet 3: Smartphone and Tablet
appDiscoveryPortal	Appears if it's enabled for the account. 0: Not Available 1: View only 2: View and Request
secPolicy	Contains: RESTRICT_DATA_BACKUP REMOVE_APP_ON_MDM_CONTROL REMOVE_APP_ON_SELECTIVE_WIPE REMOVE_APP_ON_MDM_CONTROL_AND_SELECTIVE_WIPE RESTRICT_CUT_COPY_PASTE ENFORCE_AUTHENTICATION ENFORCE_COMPLIANCE INSTANT_INSTALL INSTANT_INSTALL_TRANSPORT
INSTANT_INSTALL_TRANSPORT	Key contained in secPolicy. Has the following possible values: 0: All Networks 1: Wi-fi only 2: Wi-fi and In-network cellular
appVersionState	Possible values: 1: Primary app with no secondary apps present 2: Primary app with secondary apps present 3: Secondary app

Mandatory attributes in Response

- appName
- appId
- platform
- appType
- status
- category
- uploadDate
- uploadedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Search App Distributions (v1)

Request

GET /application-apis/applications/1.0/searchDistributions/<billingID>

Definition

- Search for Managed Application Distributions – Search by Application Name, Application Type, Distribution Status
- Relevant for iOS and Android

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
appId	Required	Unique ID of the application
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application
appVersion	Optional	Version of app to be searched from distribution when more than one app version is present
status	Optional	Published, Expired or Stopped (case insensitive

Sample Request

GET *https://services.fiberlink.com/application-apis/applications/1.0/searchDistributions/1101234?appName=webex&appType=3&appId=com.sample.app&status=published&pageSize=25&pageNumber=2*

Sample Response


```
<appDistributions>
        <count>10</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <appDistribution>
                <distributionName>Give ExampleCo Tool - Fri Aug 28 10:07:58 GMT+00:00
2015</distributionName>
                <appName>ExampleCo Productivity Tool</appName>
                <platform>iOS</platform>
                <appType>2</appType>
                <targetDevices>All Devices</targetDevices>
                <status>published</status>
                <distributionDate>2015-08-30T05:52:53.011+00:00</distributionDate>
                <expirationDate>2015-09-30T00:00:00.011+00:00</expirationDate>
                <distributedBy>admin@example.com</distributedBy>
                <sendEmailNotification>yes</sendEmailNotification>
        </appDistribution>
        <appDistribution>
        …
        </appDistribution>
</appDistributions>
```


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Mandatory attributes in Response

- distributionName
- appName
- platform
- appType
- targetDevices
- status
- distributionDate
- expirationDate
- distributedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Search App Distributions (v2)

Request

GET /application-apis/applications/2.0/searchDistributions/<billingID>

Definition

- Search for Managed Application Distributions – Search by Application Name, Application Type, Distribution Status
- Relevant for iOS and Android

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
pageSize	Optional	Limit number of applications returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page
appId	Required	Unique ID of the application
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application
appVersion	Optional	Version of app to be searched from distribution when more than one app version is present
status	Optional	Published, Expired or Stopped (case insensitive

Sample Request

GET *https://services.fiberlink.com/application-apis/applications/2.0/searchDistributions/1101234?appName=webex&appType=3&appId=com.sample.app&status=published&pageSize=25&pageNumber=2*

Sample Response


```
<appDistributions>
        <count>10</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <appDistribution>
                <distributionName>Give ExampleCo Tool - Fri Aug 28 10:07:58 GMT+00:00
2015</distributionName>
                <appName>ExampleCo Productivity Tool</appName>
                <platform>iOS</platform>
                <appType>2</appType>
                <targetDevices>All Devices</targetDevices>
                <status>published</status>
                <distributionDate>2015-08-30T05:52:53.011+00:00</distributionDate>
                <expirationDate>2015-09-30T00:00:00.011+00:00</expirationDate>
                <distributedBy>admin@example.com</distributedBy>
                <sendEmailNotification>yes</sendEmailNotification>
        </appDistribution>
        <appDistribution>
        …
        </appDistribution>
</appDistributions>
```


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Mandatory attributes in Response

- distributionName
- appName
- platform
- appType
- targetDevices
- status
- distributionDate
- expirationDate
- distributedBy

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Add and Replace Screenshots (v1)

Request

POST /application-apis/applications/1.0/addAndReplaceScreenshots/<billingID>

Definition

- Adds screenshots to iOS and Android Enterprise apps.
- A maximum of four screenshots can be uploaded and a minimum of one screenshot must be uploaded.
- The newly added screenshots replace the existing screenshots uploaded for the app.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application 11: Mac Enterprise Application
appId	Required	Unique ID of the application distributed
secondaryApp	Optional	Default is No
appFullVersion	Optional	Required if secondaryApp=Yes
appVersion	Optional	Required if secondaryApp=Yes
groupId	Optional	If not specified, assumed to be global (-1)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addAndReplaceScreenshots/1007263*

The content type header for this request should be set to: multipart/form-data

The request should contain 2 parts:

Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file

Format for the XML is as follows:

```
<appDetails>
<appId>com.cdw.cdw</appId>
<appType>1</appType>
<secondaryApp>Yes</secondaryApp>
<appFullVersion>1.2.3</appFullVersion>
<appVersion>4.5.6</appVersion>
</appDetails>
```

Part 2: Name = screenshot1; Value = Screenshot1 file
Part 3: Name = screenshot2; Value = Screenshot2 file
Part 4: Name = screenshot3; Value = Screenshot3 file
Part 5: Name = screenshot4; Value = Screenshot4 fil

Sample Response

```
<actionResponse>
<status>Success</status>
<description>Screenshot(s) uploaded for com.cdw.cdw successfully.</description>
</actionResponse>
```

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Add and Replace Screenshots (v2)

Request

POST /application-apis/applications/2.0/addAndReplaceScreenshots/customer/<billingID>

Definition

- Adds screenshots to iOS and Android Enterprise apps.
- A maximum of four screenshots can be uploaded and a minimum of one screenshot must be uploaded.
- The newly added screenshots replace the existing screenshots uploaded for the app.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application 11: Mac Enterprise Application
appId	Required	Unique ID of the application distributed
secondaryApp	Optional	Default is No
appFullVersion	Optional	Required if secondaryApp=Yes
appVersion	Optional	Required if secondaryApp=Yes
groupId	Optional	If not specified, assumed to be global (-1)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/2.0/addAndReplaceScreenshots/customer/1060794*

The content type header for this request should be set to: multipart/form-data

The request should contain 2 parts:

Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file

Format for the XML is as follows:

```
<appDetails>
<appId>com.cdw.cdw</appId>
<appType>1</appType>
<secondaryApp>Yes</secondaryApp>
<appFullVersion>1.2.3</appFullVersion>
<appVersion>4.5.6</appVersion>
</appDetails>
```

Part 2: Name = screenshot1; Value = Screenshot1 file
Part 3: Name = screenshot2; Value = Screenshot2 file
Part 4: Name = screenshot3; Value = Screenshot3 file
Part 5: Name = screenshot4; Value = Screenshot4 fil

Sample Response

```
<actionResponse>
<status>Success</status>
<description>Screenshot(s) uploaded for com.cdw.cdw successfully.</description>
</actionResponse>
```

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App Screenshots

Request

POST /applications/2.0/appScreenshots/customer/<billingId>

Definition

- Adds screenshots to iOS and Android Enterprise apps.
- A maximum of four screenshots can be uploaded and a minimum of one screenshot must be uploaded.
- The newly added screenshots replace the existing screenshots uploaded for the app.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application 11: Mac Enterprise Application
appId	Required	Unique ID of the application distributed
secondaryApp	Optional	Default is No
appFullVersion	Optional	Required if secondaryApp=Yes
appVersion	Optional	Required if secondaryApp=Yes
groupId	Optional	If not specified, assumed to be global (-1)

Sample Request

POST *https://services.fiberlink.com/applications/2.0/appScreenshots/customer/1060794*

The content type header for this request should be set to: multipart/form-data

The request should contain 2 parts:

Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file

Format for the XML is as follows:

```
<appDetails>
<appId>com.cdw.cdw</appId>
<appType>1</appType>
<secondaryApp>Yes</secondaryApp>
<appFullVersion>1.2.3</appFullVersion>
<appVersion>4.5.6</appVersion>
</appDetails>
```

Part 2: Name = screenshot1; Value = Screenshot1 file
Part 3: Name = screenshot2; Value = Screenshot2 file
Part 4: Name = screenshot3; Value = Screenshot3 file
Part 5: Name = screenshot4; Value = Screenshot4 fil

Sample Response

```
<actionResponse>
<status>Success</status>
<description>Screenshot(s) uploaded for com.cdw.cdw successfully.</description>
</actionResponse>
```

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Get App Distribution Details by Device

Request

GET /application-apis/applications/1.0/getAppDistributionByDevice/<billingID>

Definition

- Returns all the relevant devices to which the application has been distributed and the status of application distribution
- If a deviceId is specified, then details of the distribution to just that specific device is returned
- Relevant for iOS MDM and Android MDM

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
deviceId	Optional	Client Serial Number of the device
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application
appId	Required	Unique ID of the application distributed
activeDistribution	Optional	Possible values: - Yes: Default - No - Any
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 25.
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample Request

GET *https://services.fiberlink.com/application-apis/applications/1.0/getAppDistributionByDevice/1101234?appId=com.sample.app&appType=2&pageSize=25&pageNumber=2*

Sample Response

```
<devices>
        <count>100</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <device>
                <activeDistribution>Yes</activeDistribution>
                <maas360DeviceId>a1b2c3</maas360DeviceId>
                <deviceName>jsmith's iPhone</deviceName>
                <status>Pending</status>
                <username>user1</username>
                <installedMDM>Yes</installedMDM>
        </device>
        <device>
        …
        </device>
</devices>
```

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Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Read only

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Distribute App

Request

POST /application-apis/applications/1.0/distributeApp/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Distribute app to all devices, device group or specific device
- Relevant for iOS and Android
- If you distribute to a MaaS360 Device Group, a copy of the Device Group is created on which distribute action is executed. In future, for Stop Distribution API, use the Device Group ID for the copied over group and NOT the original Device Group.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 5: Windows Phone Company Application 6: Windows Phone Market Application 12: Windows Package Application
appId	Required	Unique ID of the application distributed
targetDevices	Required	Possible values: 0: All Devices 1: Device Group 2: Specific Device
appVersion	Optional	Version of app to be distributed, if more than one version is stored
deviceGroupId	Optional	Required if targetDevices = 1
deviceId	Optional	Required if targetDevices = 2
instantInstall	Required	Possible values: Yes, No; Relevant only for appType = 1 or 2 (For others, this value is ignored)
sendEmail	Required	Possible values: Yes, No
sendNotification	Required	Possible values: Yes, No Relevant only for appType = 1 or 2 (For others, this value is ignored)
winPkgType	Optional	Required if appType = 12 Possible values for winPkgType : EXE, SCRIPTS, MSI, DOWNLOADABLE_FILES
licenseType	Optional	Possible values: 0: User-based License 1: Device-based License
startDate	Optional	The start date for the distribution. Installations initiated post scheduled start date will be immediate installations. Possible Values: A string in mm/dd/yyyy format. Valid only for appType 12: Windows Package Application.
startTime	Optional	This is the hour at which the installation should be done on the device. The device's local time of the day at which the current distribution should start rolling out.

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		Possible Values: An integer between -1 and 23 where -1: Immediate Distribution or 0-23 Valid only for appType 12: Windows Package Application.
distributeOver	Optional	Staggering interval so that the devices download application binaries in a staggered mode, resulting in reduced server and network choking. Valid only for appType 12: Windows Package Application.

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/distributeApp/1007263?appType=1&appId=com.example&targetDevices=0&instantInstall=Yes&sendEmail=yes&sendNotification=Yes*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application distributed successfully.</description>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps-Distribute Apps

Delete App

Request

POST /application-apis/applications/1.0/deleteApp/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Stop all distributions of the app and delete the app
- Relevant for iOS and Android

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 5: Windows Phone Company Application 6: Windows Phone Market Application 12: Windows Package Application
appId	Required	Unique ID of the application
winPkgType	Optional	Required if appType = 12

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		Possible values for winPkgType: EXE, SCRIPTS, MSI, DOWNLOADABLE_FILES

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/deleteApp/1007263?appType=1&appId=com.example*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application deleted successfully.</description>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Upgrade App (apps smaller than 50 MB)

Request

POST /application-apis/applications/1.0/upgradeApp/<billingID>
Content Type Header: multipart/form-data

Definition

- Upgrade iOS and Android Enterprise app to MaaS360
- The ipa/apk file can be uploaded directly via webservice or can be provided via a URL where it is hosted

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application
appId	Required	Unique ID of the application distributed
maas360Hosted	Optional	Default is Yes
appSource	Optional	The ipa/apk file to be uploaded. If maas360Hosted = Yes, then this is mandatory
appSourceURL	Optional	The URL where App is hosted. If maas360Hosted = No, then this is mandatory
appVersion	Optional	Version of app to be upgraded, if more than one version is stored
maintainAsAdditionalVersion	Optional	Possible values: Yes, No (Default)
appAttributes	Optional	
versionReleaseNotes	Optional	A description of what's new in the upgrade
instantUpdate	Optional	Silently updates installed app. Possible values: Yes, No (Default)
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
description	Optional	Descripton of the application
instantUpdate	Optional	If the APP_EVENTS_REDESIGN customer property is set to Yes or No and APP_AUTO_UPDATE is Admin Controlled, shows instantUpdate. Possible values: Yes, No

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/upgradeApp/1007263*

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The request should contain 2 parts:

- Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file
  Format for the XML is as follows:

```
<appDetails>
        <appId>com.cdw.cdw</appId>
        <appType>1</appType>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <appVersion>5.2.5</appVersion>
        <maintainAsAdditionalVersion>true</maintainAsAdditionalVersion>
        <versionReleaseNotes>The icons are now in color!</versionReleaseNotes>
        <instantUpdate>Yes</instantUpdate>
        <appAttributes>
                <appAttribute>
                        <attributeName>name</attributeName>
                        <attributeValue>xyz</attributeValue>
                </appAttribute>
        </appAttributes>
</appDetails>
```

- Part 2: Name = appSource; Value = upgrade file
  - For example, the uploaded app version matches 5.2.5.

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application upgraded successfully</description>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Upgrade App (apps larger than 50 MB)

Request

POST /application-apis/applications/1.0/upgradeAppPlus/<billingID>
Content Type Header: multipart/form-data

Definition

- Upgrade iOS and Android Enterprise app to MaaS360
- The ipa/apk file can be uploaded directly via webservice or can be provided via a URL where it is hosted

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application
appId	Required	Unique ID of the application distributed
maas360Hosted	Optional	Default is Yes
appSource	Optional	The ipa/apk file to be uploaded. If maas360Hosted = Yes, then this is mandatory
appSourceURL	Optional	The URL where App is hosted. If maas360Hosted = No, then this is mandatory
maintainAsAdditionalVersion	Optional	Possible values: Yes, No (Default)
appAttributes	Optional	
versionReleaseNotes	Optional	A description of what's new in the upgrade
instantUpdate	Optional	Silently updates installed app. Possible values: Yes, No (Default)
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
description	Optional	Descripton of the application
instantUpdate	Optional	If the APP_EVENTS_REDESIGN customer property is set to Yes or No and APP_AUTO_UPDATE is Admin Controlled, shows instantUpdate. Possible values: Yes, No

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/upgradeAppPlus/1007263*

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The request should contain 2 parts:

- Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file
  Format for the XML is as follows:

```
<appDetails>
        <appId>com.cdw.cdw</appId>
        <appType>1</appType>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <maintainAsAdditionalVersion>true</maintainAsAdditionalVersion>
        <versionReleaseNotes>The icons are now in color!</versionReleaseNotes>
        <instantUpdate>Yes</instantUpdate>
        <appAttributes>
                <appAttribute>
                        <attributeName>name</attributeName>
                        <attributeValue>xyz</attributeValue>
                </appAttribute>
        </appAttributes>
</appDetails>
```

- Part 2: Name = appSource; Value = upgrade file

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Package upgrade request successful.</description>
        <appUpgradeRequestId>1422603013985</appUpgradeRequestId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appUpgradeRequestId

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Mark App as Primary

Request

POST /application-apis/applications/1.0/markAsPrimary/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Mark a particular version of App as primary
- Relevant for iOS and Android Enterprise Apps

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application 5: Windows Phone Company Application 12: Windows Package Application
appId	Required	Unique ID of the application
appVersion	Required	Version of the App to be marked as Primary
instantUpdate	Optional	If the APP_EVENTS_REDESIGN customer property is set to Yes or No and APP_AUTO_UPDATE is Admin Controlled, shows instantUpdate. Possible values: Yes, No
winPkgType	Optional	winPkgType is required if appType = 12. Possible values for winPkgType: EXE, SCRIPTS, MSI, DOWNLOADABLE_FILES

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/markAsPrimary/1007263?appType=1&appId=com.example&appVersion=4.0.1*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Requested App marked as Primary</description>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Update Provisioning Profile

Request

POST /application-apis/applications/1.0/updateProvisioningProfile/<billingID>
Content Type Header: multipart/form-data

Definition

- Update provisioning profile for iOS Enterprise app

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application
appId	Required	Unique ID of the application distributed
provisioningProfile	Required	Updated Provisioning profile for the App

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/updateProvisioningProfile/1007263*

The request should contain 2 parts:

- Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file
  Format for the XML is as follows:
  <appDetails>
  <appId>com.cdw.cdw</appId>
  <appType>1</appType>
  </appDetails>
- Part 2: Name = provisioningProfile; Value = upgrade file

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Provisioning profile updated successfully.</description>
        <provisioningProfileExpiry>2013-11-03T05:30:20.011+00:00</provisioningProfileExpiry>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Stop App Distribution

Request

POST /application-apis/applications/1.0/stopAppDistribution/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Stop a specific distribution of an app
- Relevant for iOS and Android

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 2: iOS App Store Application 3: Android Enterprise Application 4: Android Market Application 5: Windows Phone Company Application 6: Windows Phone Market Application 12: Windows Package Application
appId	Required	Unique ID of the application distributed
appVersion	Optional	Version of app to be stopped from distribution when more than one version is present
targetDevices	Required	Possible values: 0: All Devices 1: Device Group 2: Specific Device
deviceGroupId	Optional	Required if targetDevices = 1
deviceId	Optional	Required if targetDevices = 2
winPkgType	Optional	winPkgType is required if appType = 12. Possible values for winPkgType : EXE, SCRIPTS, MSI, DOWNLOADABLE_FILES

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/stopAppDistribution/1007263?appType=1&appId=com.example&targetDevices=0*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Distribution stopped successfully.</description>
</actionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable iOS App Store or Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add iTunes App Store App (v1)

Request

POST /application-apis/applications/1.0/addITunesApp/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Add a iTunes App Store app to MaaS360

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
region	Optional	Default is US

appName	Required	Full App Name of the app that needs to be added to MaaS360.
		• If the appName is given in appDetails, then the app is searched for in the iTunes API and the first app that is obtained from the search that matched the search criteria is added.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName.
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleID ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

appId	Optional	The ID of the app.
		• If the appId that is given in appDetails is present in iTunes and returns any app, then the app is added.
		• If the appId that is given in appDetails is not present in iTunes, an app not found error message is displayed.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName.
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleID ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

bundleId	Optional	The ID of the bundle app.

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		• If the bundleID that is given in appDetails is present in iTunes and returns any app, then the app is added.
		• If the bundleID that is given in appDetails is not present in iTunes, an app not found error message is displayed.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName.
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleId ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

removeApp	Required	Remove App on MDM Control Removal and Selective Wipe. Possible values: Yes, No
restrictDataBackup	Required	Restrict Data Backup to iTunes. Possible values: Yes, No
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account Possible values: 0: Not Available 1: View only 2: View & Request
appOwner	Optional	Email Address of the App Owner who needs to be intimated (Required if showInADP = 1 or 2)
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
removeAppMDMRemoval	Optional	Remove app on MDM removal. Possible values: Yes, No
removeAppSelWipe	Optional	Remove app on selective wipe. Possible values: Yes, No
removeAppStopDist	Optional	Remove app on stopping distribution. Possible values: Yes, No
revokeVPPStopDist	Optional	Revoke VPP licenses on stopping distribution. Possible values: Yes, No
instantUpdate	Optional	If the APP_EVENTS_REDESIGN customer property is set to Yes and APP_AUTO_UPDATE is Admin Controlled, then the value of instantUpdate that is sent by the API is accepted when adding the app to the app store.

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		Possible values: 0: Disabled 1: Enabled

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addITunesApp/1007263?appName=sample&removeApp=Yes&restrictDataBackup=Yes*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Possible Error Codes

415 Unsupported Media Type: The server refused to accept the request because it does not support the format of the payload.

List of country codes for “region” parameter

- Argentina: AR
- Armenia: AM
- Australia: AU
- Austria: AT
- Belgium: BE
- Botswana: BW
- Brazil: BR
- Bulgaria: BG
- Canada: CA
- Chile: CL
- China: CN
- Colombia: CO
- Costa Rica: CR
- Croatia: HR
- Czech Republic: CZ
- Denmark: DK
- Dominican Republic: DO
- Ecuador: EC
- Egypt: EG
- El Salvador: SV
- Estonia: EE
- Finland: FI
- France: FR
- Germany: DE
- Greece: GR
- Guatemala: GT
- Honduras: HN
- Hong Kong: HK
- Hungary: HU
- India: IN
- Indonesia: ID
- Ireland: IE
- Israel: IL
- Italy: IT
- Jamaica: JM
- Japan: JP
- Jordan: JO

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- Kazakstan: KZ
- Kenya: KE
- Kuwait: KW
- Latvia: LV
- Lebanon: LB
- Lithuania: LT
- Luxembourg: LU
- Macau: MO
- Macedonia: MK
- Madagascar: MG
- Malaysia: MY
- Mali: ML
- Malta: MT
- Mauritius: MU
- Mexico: MX
- Netherlands: NL
- New Zealand: NZ
- Nicaragua: NI
- Niger: NE
- Norway: NO
- Pakistan: PK
- Panama: PA
- Paraguay: PY
- Peru: PE
- Philippines: PH
- Poland: PL
- Portugal: PT
- Qatar: QA
- Republic Of Korea: KR
- Republic Of Moldova: MD
- Romania: RO
- Russia: RU
- Saudi Arabia: SA
- Senegal: SN
- Singapore: SG
- Slovakia: SK
- Slovenia: SI
- South Africa: ZA
- Spain: ES
- Sri Lanka: LK
- Sweden: SE
- Switzerland: CH
- Taiwan: TW
- Thailand: TH
- Tunisia: TN
- Turkey: TR
- Uganda: UG
- United Arab Emirates: AE
- United Kingdom: GB
- United States: US
- Uruguay: UY
- Venezuela: VE
- Vietnam: VN

Mandatory attributes in Response

- status
- appId

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Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add iTunes App Store App (v2)

Request

POST /application-apis/applications/2.0/addITunesApp/customer/<billingID>
Content Type Header: multipart/form-data

Definition

- Add a iTunes App Store app to MaaS360
- Enhanced version of addITunesApp API to support specifying App attributes

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
region	Optional	Default is US

appName	Required	Full App Name of the app that needs to be added to MaaS360.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName.
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleID ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

appId	Optional	The ID of the app.
		• If the appId that is given in appDetails is present in iTunes and returns any app, then the app is added.
		• If the appId that is given in appDetails is not present in iTunes, then an app not found error message is displayed.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName.
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleID ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

bundleId	Optional	The ID of the bundle app. • If the bundleID that is given in appDetails is present in iTunes and returns any app, then the app is added.

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		• If the bundleID that is given in appDetails is not present in iTunes, an app not found error message is displayed.
		• App search gives higher priority to appId, then bundleID, and the least priority to appName.
		  • If appDetails contains appId with any other parameter (bundleID, appName), then the app is searched based on appId ignoring bundleID and appName
		  • If appDetails does not contain appId, but contains both bundleID and appName, the app is searched based on bundleID ignoring appName.
		  • If both bundleID and appId are not given, then the app is searched by appName.

removeApp	Required	Remove App on MDM Control Removal and Selective Wipe. Possible values: Yes, No
restrictDataBackup	Required	Restrict Data Backup to iTunes. Possible values: Yes, No
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account Possible values: 0: Not Available 1: View only 2: View & Request
appOwner	Optional	Email Address of the App Owner who needs to be intimated (Required if showInADP = 1 or 2)
appAttributes	Optional	
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
removeAppMDMRemoval	Optional	Remove app on MDM removal. Possible values: Yes, No
removeAppSelWipe	Optional	Remove app on selective wipe. Possible values: Yes, No
removeAppStopDist	Optional	Remove app on stopping distribution. Possible values: Yes, No
revokeVPPStopDist	Optional	Revoke VPP licenses on stopping distribution. Possible values: Yes, No
instantUpdate	Optional	If the APP_EVENTS_REDESIGN customer property is set to Yes and APP_AUTO_UPDATE is Admin Controlled, then the value of instantUpdate that is sent by the API is accepted when adding the app to the app store. Possible values: 0: Disabled 1: Enabled

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Sample Request

POST https://services.fiberlink.com/application-apis/applications/2.0/addITunesApp/customer/1007263

The request should contain 1 part:
- Name = app_details; Value = XML file for attributes other than the file

Format for the XML is as follows:

```
<appDetails>
<region>US</region>
<appName>MyApp</appName>
<removeApp>Yes</removeApp>
<restrictDataBackup>Yes</restrictDataBackup>
<showInADP>0</showInADP>
<appOwner>owner@example.com</appOwner>
<appAttributes>
        <appAttribute>
                <attributeName>name</attributeName>
                <attributeValue>xyz</attributeValue>
        </appAttribute>
        <appAttribute>
                <attributeName>Email</attributeName>
                <attributeValue>abc@def.com</attributeValue>
        </appAttribute>
</appAttributes>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Possible Error Codes

415 Unsupported Media Type: The server refused to accept the request because it does not support the format of the payload.

List of country codes for “region” parameter

- Argentina: AR
- Armenia: AM
- Australia: AU
- Austria: AT
- Belgium: BE
- Botswana: BW
- Brazil: BR
- Bulgaria: BG
- Canada: CA
- Chile: CL
- China: CN
- Colombia: CO
- Costa Rica: CR
- Croatia: HR
- Czech Republic: CZ
- Denmark: DK
- Dominican Republic: DO
- Ecuador: EC

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- Egypt: EG
- El Salvador: SV
- Estonia: EE
- Finland: FI
- France: FR
- Germany: DE
- Greece: GR
- Guatemala: GT
- Honduras: HN
- Hong Kong: HK
- Hungary: HU
- India: IN
- Indonesia: ID
- Ireland: IE
- Israel: IL
- Italy: IT
- Jamaica: JM
- Japan: JP
- Jordan: JO
- Kazakstan: KZ
- Kenya: KE
- Kuwait: KW
- Latvia: LV
- Lebanon: LB
- Lithuania: LT
- Luxembourg: LU
- Macau: MO
- Macedonia: MK
- Madagascar: MG
- Malaysia: MY
- Mali: ML
- Malta: MT
- Mauritius: MU
- Mexico: MX
- Netherlands: NL
- New Zealand: NZ
- Nicaragua: NI
- Niger: NE
- Norway: NO
- Pakistan: PK
- Panama: PA
- Paraguay: PY
- Peru: PE
- Philippines: PH
- Poland: PL
- Portugal: PT
- Qatar: QA
- Republic Of Korea: KR
- Republic Of Moldova: MD
- Romania: RO
- Russia: RU
- Saudi Arabia: SA
- Senegal: SN
- Singapore: SG
- Slovakia: SK
- Slovenia: SI
- South Africa: ZA
- Spain: ES

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- Sri Lanka: LK
- Sweden: SE
- Switzerland: CH
- Taiwan: TW
- Thailand: TH
- Tunisia: TN
- Turkey: TR
- Uganda: UG
- United Arab Emirates: AE
- United Kingdom: GB
- United States: US
- Uruguay: UY
- Venezuela: VE
- Vietnam: VN

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add iOS Enterprise App (apps smaller than 50 MB)

Request

POST /application-apis/applications/1.0/addIOSEnterpriseApp/<billingID>
Content Type Header: multipart/form-data

Definition

- Uploads an iOS Enterprise app to MaaS360.
- Upload an ipa file, or provide the URL where the ipa file is hosted.
- The request contains at least two parts: the app details, then the app source, then any screenshots.
    - Part 1: Name = app_details; Value = XML of app details
    - Part 2: Name = appSource; Value = upload file binary or URL
    - Part 3-4: Name = screenshot1, Value = screen shot file binary

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
maas360Hosted	Optional	Possible values: Yes (default), No
appSource	Optional, or Required if maas360Hosted=No	The filepath of the ipa file to be uploaded Mutually exclusive with appSourceURL
appSourceURL	Optional, or required if maas360Hosted=No	The URL of the hosted ipa file. Mutually exclusive with appSource
description	Required	Text description of the app
category	Optional	MaaS360 app catalog category
screenshot1	Optional	Uploads jpg, gif, or png
screenshot2	Optional	Uploads jpg, gif, or png
removeApp	Required	Possible values: Yes, No Set to remove the app during MDM Control Removal and Selective Wipe.
restrictDataBackup	Required	Possible values: Yes, No Prevents backing up the app to iTunes.
showInADP	Optional	Possible values: 0 (Not Available), 1 (View only), 2 (View & Request) Use only if the App Discovery Portal is enabled for the account.
appOwner	Optional, or Required if showInADP=1 or 2	Contact email address of the app owner
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog).

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		If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
removeAppOnMDMRemoval	Optional	Remove app on MDM removal. Possible values: Yes, No
removeAppOnSelectiveWipe	Optional	Remove app on selective wipe. Possible values: Yes, No
removeAppOnStopDistribution	Optional	Remove app on stopping distribution. Possible values: Yes, No
revokeVPPStopDist	Optional	Revoke VPP licenses on stopping distribution. Possible values: Yes, No

Sample Request

POST https://services.fiberlink.com/application-apis/applications/1.0/addIOSEnterpriseApp/1101234

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>Download this app immediately. </description>
        <category>General</category>
        <removeApp>Yes</removeApp>
        <restrictDataBackup>Yes</restrictDataBackup>
        <showInADP>2</showInADP>
        <appOwner>devteam@example.com</appOwner>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully. </description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add iOS Enterprise App (apps more than 50 MB)

Request

POST /application-apis/applications/1.0/addIOSEnterpriseApp2/<billingID>
Content Type Header: multipart/form-data

Definition

- Uploads an iOS Enterprise app (the filesize of which exceeds 50MB) to MaaS360.
- Upload an ipa file, or provide the URL where the ipa file is hosted.
- The request contains at least two parts: the app details, then the app source, then any screenshots.
    - Part 1: Name = app_details; Value = XML of app details
    - Part 2: Name = appSource; Value = upload file binary or URL
    - Part 3-4: Name = screenshot1, Value = screen shot file binary

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
maas360Hosted	Optional	Possible values: Yes (default), No
appSource	Optional, or Required if maas360Hosted=No	The filepath of the ipa file to be uploaded Mutually exclusive with appSourceURL
appSourceURL	Optional, or required if maas360Hosted= No	The URL of the hosted ipa file Mutually exclusive with appSource
description	Required	Text description of the app
category	Optional	MaaS360 app catalog category
screenshot1	Optional	Uploads jpg, gif, or png
screenshot2	Optional	Uploads jpg, gif, or png
removeApp	Required	Possible values: Yes, No Set to remove the app during MDM Control Removal and Selective Wipe.
showInADP	Optional	Possible values: 0 (Not Available), 1 (View only), 2 (View & Request) Use only if the App Discovery Portal is enabled for the account.
appOwner	Optional, or Required if showInADP=1 or 2	Contact email address of the app owner
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). 3. If the isAppApprovalApp parameter is not present, then the app is added to the production catalog.

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		If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
removeAppOnMDMRemoval	Optional	Remove app on MDM removal. Possible values: Yes, No
removeAppOnSelectiveWipe	Optional	Remove app on selective wipe. Possible values: Yes, No
removeAppOnStopDistribution	Optional	Remove app on stopping distribution. Possible values: Yes, No
revokeVPPStopDist	Optional	Revoke VPP licenses on stopping distribution. Possible values: Yes, No

Sample Request

https://services.fiberlink.com/application-apis/applications/1.0/addIOSEnterpriseApp2/1101234

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>Download this app immediately. </description>
        <category>General</category>
        <removeApp>Yes</removeApp>
        <restrictDataBackup>Yes</restrictDataBackup>
        <showInADP>2</showInADP>
        <appOwner>devteam@example.com</appOwner>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully. </description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId
- appUploadRequestId

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Enterprise App Upload Request Status

Request

GET /application-apis/applications/1.0/appUploadRequestStatus/<billingID>?appUploadRequestId=1234

Definition

- Gets the status of large enterprise apps (more than 50 MB) uploaded – iOS or Android

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appUploadRequestId	Required	Request ID which was given as a response in the large Enterprise App upload APIs

Sample Request

https://services.fiberlink.com/application-apis/applications/1.0/appUploadedRequestStatus/1007623?appUploadRequestId=1234

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add Google Play App (v1)

Request

POST /application-apis/applications/1.0/addPlayApp/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Add a Google Play app to MaaS360
- The app permissions are auto approved for Android Enterprise Customers.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appSourceURL	Required	Google Play URL for the app
removeAppMDMRemoval	Required	Possible values: Yes, No
removeAppSelWipe	Required	Possible values: Yes, No
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account Possible values: 0: Not Available 1: View only 2: View & Request
appOwner	Optional	Email Address of the App Owner who needs to be intimated (Required if showInADP = 1 or 2)
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
instantUpdate	Optional	Possible values: Yes, No The apps are auto updated based on the auto update mode. Note: Supported only if Android Enterprise is configured.
autoUpdateMode	Required	possible values: DEFAULT, POSTPONED, HIGH_PRIORITY Note: Supported only if Android Enterprise is configured. These auto update settings control how apps must be updated on Android Enterprise devices.

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		Supported auto update modes: • **Default** - Updates the app over a wifi network when the device is charging or idle. • **Postpone** - Pauses automatic app updates for a period of 90 days. The app is not automatically updated during these 90 days, starting from the day the developer published the new update. After the 90-day period is over, the latest version of the app is automatically installed on the device according to the default app update behavior. Note: The postpone mode does not prevent users from manually updating the apps. Users can manually update the apps from the Google Play store during the postponement period. • **High priority** - Updates the app as soon as the app developer publishes a new version, without taking the default app update conditions into consideration. If the device is offline, the app is updated as soon as the device is connected to the internet. The updates might occur during business hours and cause work disruptions.

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addPlayApp/1007263?appSourceURL=https://play.google.com/store/apps/details?id=org.cocos2dx.NautilusCricket2014&removeAppMDMRemoval=Yes&removeAppSelWipe=Yes&enforceAuthentication=Yes&enforceCompliance=Yes*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add Google Play App (v2)

Request

POST /application-apis/applications/2.0/addPlayApp/customer/<billingID>
Content Type Header: multipart/form-data

Definition

- Add a Google Play app to MaaS360
- Enhanced version of addPlayApp API to support specifying App attributes
- The app permissions are auto approved for Android Enterprise Customers.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appSourceURL	Required	Google Play URL for the app
removeAppMDMRemoval	Required	Possible values: Yes, No
removeAppSelWipe	Required	Possible values: Yes, No
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account Possible values: 0: Not Available 1: View only 2: View & Request
appOwner	Optional	Email Address of the App Owner who needs to be intimated (Required if showInADP = 1 or 2)
appAttributes	Optional	
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog). If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.
instantUpdate	Optional	Possible values: Yes, No The apps are auto updated based on the auto update mode. Note: Supported only if Android Enterprise is configured.
autoUpdateMode	Required	possible values: DEFAULT, POSTPONED, HIGH_PRIORITY Note: Supported only if Android Enterprise is configured. These auto update settings control how apps must be updated on Android Enterprise devices.

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		Supported auto update modes: • **Default** - Updates the app over a wifi network when the device is charging or idle. • **Postpone** - Pauses automatic app updates for a period of 90 days. The app is not automatically updated during these 90 days, starting from the day the developer published the new update. After the 90-day period is over, the latest version of the app is automatically installed on the device according to the default app update behavior. Note: The postpone mode does not prevent users from manually updating the apps. Users can manually update the apps from the Google Play store during the postponement period. **High priority** - Updates the app as soon as the app developer publishes a new version, without taking the default app update conditions into consideration. If the device is offline, the app is updated as soon as the device is connected to the internet. The updates might occur during business hours and cause work disruptions.

Sample Request

POST https://services.fiberlink.com/application-apis/applications/2.0/addPlayApp/customer/1007263

- Name = app_details; Value = XML file for attributes other than the file

Format for the XML is as follows:

```
<appDetails>
	<appSourceURL>https://play.google.com/store/apps/details?id=org.cocos2dx.NautilusCricket2014</appSourceURL>
	<removeAppMDMRemoval>Yes</removeAppMDMRemoval>
	<removeAppSelWipe>Yes</removeAppSelWipe>
	<enforceAuthentication>Yes</enforceAuthentication>
	<enforceCompliance>Yes</enforceCompliance>
	<showInADP>0</showInADP>
	<appOwner>owner@example.com</appOwner>
	<appAttributes>
		<appAttribute>
			<attributeName>name</attributeName>
			<attributeValue>xyz</attributeValue>
		</appAttribute>
		<appAttribute>
			<attributeName>Email</attributeName>
			<attributeValue>abc@def.com</attributeValue>
		</appAttribute>
	</appAttributes>
</appDetails>
```

Sample Response

```
<actionResponse>
	<status>Success</status>
	<description>Application uploaded successfully.</description>
```

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```
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add Android Enterprise App (apps smaller than 50 MB)

Request

POST /application-apis/applications/1.0/addAndroidEnterpriseApp/<billingId>
Content Type Header: multipart/form-data

Definition

- Uploads an Android Enterprise app (the filesize does not exceed 50 MB) to MaaS360.
- Upload an apk file, or provide the URL where the apk file is hosted.
- The request contains at least two parts: the app details, then the app source, then any screenshots.
  - Part 1: Name = app_details; Value = XML of app details
  - Part 2: Name = appSource; Value = upload file binary or URL
  - Part 3-4: Name = screenshot1, Value = screen shot file binary

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
maas360Hosted	Optional	Possible values: Yes (default), No
appSource	Optional, or Required if maas360Hosted=Yes	The filepath of the apk file to be uploaded Mutually exclusive with appSourceURL
appSourceURL	Optional, or Required if maas360Hosted= No	The URL of the hosted apk file Mutually exclusive with appSource
description	Required	Text description of the app
category	Optional	MaaS360 app catalog category
screenshot1	Optional	Uploads jpg, gif, or png
screenshot2	Optional	Uploads jpg, gif, or png
removeAppMDMRemoval	Required	Possible values: Yes, No Set to remove the app during MDM Control Removal.
removeAppSelWipe	Required	Possible values: Yes, No Set to remove the app during Selective Wipe.
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
instantInstall	Required	Possible values: Yes, No
instantInstallTransport	Optional, or Required if instantInstall=Yes	Possible values: 0 (All networks), 1 (Wi-fi only), 2 (Wi-fi and in-network cellular)
showInADP	Optional	Possible values: 0 (Not Available), 1 (View only), 2 (View & Request) Use only if the App Discovery Portal is enabled for the account.
appOwner	Optional, or Required if showInADP=1 or 2	Contact email address of the app owner
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog).

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		If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.

Sample Request

https://services.fiberlink.com/application-apis/applications/1.0/addAndroidEnterpriseApp/1101234

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>Download this app immediately. </description>
        <category>General</category>
        <removeAppMDMRemoval>Yes</removeAppMDMRemoval>
        <removeAppSelWipe>Yes</removeAppSelWipe>
        <enforceAuthentication>Yes</enforceAuthentication>
        <enforceCompliance>Yes</enforceCompliance>
        <instantInstall>Yes</instantInstall>
        <instantInstallTransport>2</instantInstallTransport>
        <showInADP>2</showInADP>
        <appOwner>devteam@example.com</appOwner>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully. </description>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add Android Enterprise App (apps larger than 50 MB)

Request

POST /application-apis/applications/1.0/addAndroidEnterpriseAppPlus/<billingId>
Content Type Header: multipart/form-data

Definition

- Uploads an Android Enterprise app (the filesize of which exceeds 50MB) to MaaS360.
- Upload an apk file, or provide the URL where the apk file is hosted.
- The request contains at least two parts: the app details, then the app source, then any screenshots.
  - Part 1: Name = app_details; Value = XML of app details
  - Part 2: Name = appSource; Value = upload file binary or URL
  - Part 3-4: Name = screenshot1, Value = screen shot file binary

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Customer identification number
maas360Hosted	Optional	Possible values: Yes (default), No
appSource	Optional, or Required if maas360Hosted=Yes	The filepath of the apk file to be uploaded Mutually exclusive with appSourceURL
appSourceURL	Optional, or Required if maas360Hosted= No	The URL of the hosted apk file Mutually exclusive with appSource
description	Required	Text description of the app
category	Optional	MaaS360 app catalog category
screenshot1	Optional	Uploads jpg, gif, or png
screenshot2	Optional	Uploads jpg, gif, or png
removeAppMDMRemoval	Required	Possible values: Yes, No Set to remove the app during MDM Control Removal.
removeAppSelWipe	Required	Possible values: Yes, No Set to remove the app during Selective Wipe.
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
instantInstall	Required	Possible values: Yes, No
instantInstallTransport	Optional, or Required if instantInstall=Yes	Possible values: 0 (All networks), 1 (Wi-fi only), 2 (Wi-fi and in-network cellular)
showInADP	Optional	Possible values: 0 (Not Available), 1 (View only), 2 (View & Request) Use only if the App Discovery Portal is enabled for the account.
appOwner	Optional, or Required if showInADP=1 or 2	Contact email address of the app owner
isAppApprovalApp	Required	The app has gone through the approval process. 1. If the ENABLE_APP_APPROVAL_PROCESS customer property is mandatory, then this parameter does not need to be added (since this functionality is built into the customer property and apps will always be added to the App Approval workflow.) 2. If the ENABLE_APP_APPROVAL_PROCESS customer property is optional, then possible values: Yes (app is added to App Approval workflow), No (app is added directly to the production catalog).

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		If the isAppApprovalApp parameter is not present, then the app is added to the production catalog. 3. If the ENABLE_APP_APPROVAL_PROCESS customer property is disabled, then the app is always added to the production catalog.

Sample Request

https://services.fiberlink.com/application-apis/applications/1.0/addAndroidEnterpriseAppPlus/1101234

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>Download this app immediately. </description>
        <category>General</category>
        <removeAppMDMRemoval>Yes</removeAppMDMRemoval>
        <removeAppSelWipe>Yes</removeAppSelWipe>
        <enforceAuthentication>Yes</enforceAuthentication>
        <enforceCompliance>Yes</enforceCompliance>
        <instantInstall>Yes</instantInstall>
        <instantInstallTransport>2</instantInstallTransport>
        <showInADP>2</showInADP>
        <appOwner>devteam@example.com</appOwner>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully. </description>
        <appUploadRequestId>1234</appUploadRequestId >
</actionResponse>
```

Mandatory attributes in Response

- status
- appUploadRequestId

Access Control

- Customer Properties: Enable Android App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

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Add Mac App Store App

Request

POST /application-apis/macApps/2.0/addMacAppStoreApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add a Mac App Store app to MaaS360.
- The request should contain one part:
  - Part 1: Name = appDetails; Value = XML file for attributes other than the file

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
Region	Optional	Default: US
appName	Required	Full app name of the app that needs to be added to MaaS360
removeWithSelectiveWipe	Required	Remove App on selective wipe. Possible values: Yes or No. Default: Yes
removeWithMDMRemoval	Required	Remove App on MDM Control Removal. Possible values: Yes or No. Default: Yes
removeOnStopDist	Optional	Remove App on Stopping Distribution. Possible values: Yes or No. Default:No

Sample Request

POST *https://services.fiberlink.com/application-apis/macApps/2.0/addMacAppStoreApp/customer/1007263*

Sample Request Value (Part 1)

```
<appDetails>
        <region>US</region>
        <appName>MyApp</appName>
        <removeWithSelectiveWipe>No</removeWithSelectiveWipe>
        <removeWithMDMRemoval>No</removeWithMDMRemoval>
        <removeOnStopDist>Yes</removeOnStopDist>
</appDetails>
```

List of country codes for “region” parameter

- Argentina: AR
- Armenia: AM
- Australia: AU
- Austria: AT
- Belgium: BE
- Botswana: BW
- Brazil: BR
- Bulgaria: BG
- Canada: CA
- Chile: CL
- China: CN
- Colombia: CO
- Costa Rica: CR
- Croatia: HR
- Czech Republic: CZ
- Denmark: DK
- Dominican Republic: DO

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- Ecuador: EC
- Egypt: EG
- El Salvador: SV
- Estonia: EE
- Finland: FI
- France: FR
- Germany: DE
- Greece: GR
- Guatemala: GT
- Honduras: HN
- Hong Kong: HK
- Hungary: HU
- India: IN
- Indonesia: ID
- Ireland: IE
- Israel: IL
- Italy: IT
- Jamaica: JM
- Japan: JP
- Jordan: JO
- Kazakstan: KZ
- Kenya: KE
- Kuwait: KW
- Latvia: LV
- Lebanon: LB
- Lithuania: LT
- Luxembourg: LU
- Macau: MO
- Macedonia: MK
- Madagascar: MG
- Malaysia: MY
- Mali: ML
- Malta: MT
- Mauritius: MU
- Mexico: MX
- Netherlands: NL
- New Zealand: NZ
- Nicaragua: NI
- Niger: NE
- Norway: NO
- Pakistan: PK
- Panama: PA
- Paraguay: PY
- Peru: PE
- Philippines: PH
- Poland: PL
- Portugal: PT
- Qatar: QA
- Republic Of Korea: KR
- Republic Of Moldova: MD
- Romania: RO
- Russia: RU
- Saudi Arabia: SA
- Senegal: SN
- Singapore: SG
- Slovakia: SK
- Slovenia: SI
- South Africa: ZA

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- Spain: ES
- Sri Lanka: LK
- Sweden: SE
- Switzerland: CH
- Taiwan: TW
- Thailand: TH
- Tunisia: TN
- Turkey: TR
- Uganda: UG
- United Arab Emirates: AE
- United Kingdom: GB
- United States: US
- Uruguay: UY
- Venezuela: VE
- Vietnam: VN

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: Enable AppCatalog for macOS
- Access Rights: Apps - Manage Apps

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Add Windows Dependency

Request

POST /application-apis/winApps/2.0/addWindowsDependency/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add one Windows dependency file (appx or appxbundle) to MaaS360.
- The request should contain one part:
  - Part 1: Name = dependency1; Value = Upload file

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
appSource	Required	Dependency file to be uploaded

Sample Request

POST *https://services.fiberlink.com/application-apis/winApps/2.0/addWindowsDependency/customer/1007263*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Dependency uploaded successfully.</description>
        <dependencyName>Microsoft.NET.Native.Runtime.1.1</dependencyName>
        <dependencyVersion>1.1.23406.0</dependencyVersion>
        <dependencyArchitecture>ARM,</dependencyArchitecture>
</actionResponse>
```

Mandatory attributes in Response

- status
- dependencyName
- dependencyVersion
- dependencyArchitecture

Access Control

- Customer Properties: ENABLE_NEW_APPS, MANAGE_WINDOWS7_PHONE
- Access Rights: Apps - Manage Apps

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Add Windows Enterprise App

Request

POST /application-apis/winApps/2.0/addWindowsEnterpriseApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add a Windows enterprise app to MaaS360.
- Upload an xap, appx, appxbundle file, or provide the URL where the file is hosted.
- The request should contain six parts:
  - Part 1: Name = app_details; Value = XML file for attributes other than the file
  - Part 2: Name = appSource; Value = Upload file
  - Part 3: Name = screenshot1; Value = Screenshot file1
  - Part 4: Name = screenshot2; Value = Screenshot file2
  - Part 5: Name = screenshot3; Value = Screenshot file3
  - Part 6: Name = screenshot4; Value = Screenshot file4

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
maas360Hosted	Optional	Default: Yes
appSource	Optional	The ipa file to be uploaded. If maas360Hosted = Yes, then this parameter is mandatory.
appSourceURL	Optional	The URL where the app is hosted. If maas360Hosted = No, then this parameter is mandatory.
description	Required	
category	Optional	
screenshot1	Optional	
screenshot2	Optional	
screenshot3	Optional	
screenshot4	Optional	
removeAppOnMDMRemoval	Required	Remove App on MDM Control Removal. Possible values: Yes or No
removeAppOnSelectiveWipe	Required	Remove App Selective Wipe. Possible values: Yes or No
removeAppOnStopDistribution	Required	Remove App on Stop distribution. Possible values: Yes or No
instantInstall	Optional	Instant install of the app on the device. Possible values: Yes or No
isUniversalApp	Required	Is the app uploaded a universal app. Possible values: Yes or No
pfn	Optional	Package Family Name. Mandatory for universal apps.
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account. Possible values: 0: Not Available 1: View only 2: View & Request
appOwner	Optional	Email address of the owner of the app who needs to be intimated. Required if showInADP = 1 or 2.

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appAttributes	Optional	

Sample Request

POST *https://services.fiberlink.com/application-apis/winApps/2.0/addWindowsEnterpriseApp/customer/1007263*

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>Enterprise App</description>
        <category>General</category>
        <removeAppOnMDMRemoval>Yes</removeAppOnMDMRemoval>
        <removeAppOnSelectiveWipe>Yes</removeAppOnSelectiveWipe>
        <removeAppOnStopDistribution>Yes</removeAppOnStopDistribution>
        <instantInstall>Yes</instantInstall>
        <isUniversalApp>Yes</isUniversalApp>
        <pfn>95b4d4a7-a5c2-4873-a769-7cdee54ecfce_z1fqjy1wgpzc2</pfn>
        <showInADP>2</showInADP>
        <appOwner>owner@fiberlink.com</appOwner>
        <appAttributes>
                <appAttribute> <attributeName>name</attributeName>
                <attributeValue>xyz</attributeValue> </appAttribute>
        </appAttributes>
</appDetails>
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: ENABLE_NEW_APPS, MANAGE_WINDOWS7_PHONE
- Access Rights: Apps - Manage Apps

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Add Windows EXE App

Request

POST /application-apis/winApps/2.0/addWindowsEnterpriseEXEApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add a Windows EXE app (.exe) to MaaS360.
- The EXE app file must be uploaded by the web service.
- The request should contain seven parts:
  - Part 1: Name = appSource; Value = Upload file
  - Part 2: Name = app_details; Value = XML file containing all attributes with value
  - Part 3: Name = screenshot1 (optional)
  - Part 4: Name = screenshot2 (optional)
  - Part 5: Name = screenshot3 (optional)
  - Part 6: Name = screenshot4 (optional)
  - Part 7: Name = icon

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

POST *https://services.fiberlink.com/application-apis/winApps/2.0/addWindowsEnterpriseEXEApp/customer/1007263*

Sample Request Value

```
<appDetails>
<maas360Hosted>Yes</maas360Hosted>
<appSourceURL></appSourceURL>
<description>New EXE app notepad</description>
<category>Utility</category>
<removeAppOnMDMRemoval>Yes</removeAppOnMDMRemoval>
<removeAppOnSelectiveWipe>Yes</removeAppOnSelectiveWipe>
<removeAppOnStopDistribution>No</removeAppOnStopDistribution>
<showInADP>2</showInADP>
<appOwner>maas360@in.ibm.com</appOwner>
<name>Notepad++</name>
<executionCommandUnInstall>C:\Program Files (x86)\Notepad++\uninstall.exe
/S</executionCommandUnInstall>
<executionCommandInstall>%APPNAME%.exe /S</executionCommandInstall>
<isRestartReq>No</isRestartReq>
<supportedArchitecture>X64</supportedArchitecture>
<maintainAsAdditionalVersion>No</maintainAsAdditionalVersion>
<appVersion>6.8.8</appVersion>
<winPkgType>EXE</winPkgType>
<installationMode>Silent</installationMode>
<IsRestartReq>Yes</IsRestartReq>
<installContext>System or All Users</installContext>
  <installSuccessCriteria>
      <fileList>
         <fileBasedInstallCriteria>
            <filePath>C:\Program Files (x86)\Notepad++\notepad++.exe</filePath>
```

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```
            <fileSize>049536</fileSize>
          </fileBasedInstallCriteria>
        </fileList>
        <processList/>
        <registryList/>
    </installSuccessCriteria>
</appDetails>
```


Mandatory attributes in Request

- installationMode
- supportedArchitecture
- executionCommandUnInstall
- installSuccessCriteria
    - appName
    - appVersion
    - appIcon

Sample Response


```
<actionResponse>
        <description>Application Successfully Added</description>
        <status>Success</status>
</actionResponse>
```


Access Control

- Customer Properties: ENABLE_NEW_APPS, WIN_DESKTOP_DEVICES
- Access Rights: Apps - Manage Apps

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Add Windows MSI App

Request

POST /application-apis/winApps/2.0/addWindowsEnterpriseMSIApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add a Windows MSI app (.msi) to MaaS360.
- The MSI app file must be uploaded by the web service.
- The request should contain seven parts:
  - Part 1: Name = appSource; Value = Upload file (.msi)
  - Part 2: Name = app_details; Value = XML file containing all attributes with value
  - Part 3: Name = screenshot1 (optional)
  - Part 4: Name = screenshot2 (optional)
  - Part 5: Name = screenshot3 (optional)
  - Part 6: Name = screenshot4 (optional)
  - Part 7: Name = icon

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

POST *https://services.fiberlink.com/application-apis/winApps/2.0/addWindowsEnterpriseMSIApp/customer/1007263*

Sample Request Value

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL></appSourceURL>
        <description>newDescriptiondgg8787gMAV</description>
        <category>games</category>
        <removeAppOnMDMRemoval>No</removeAppOnMDMRemoval>
        <removeAppOnSelectiveWipe>Yes</removeAppOnSelectiveWipe>
        <removeAppOnStopDistribution>No</removeAppOnStopDistribution>
        <showInADP>2</showInADP>
        <appOwner>maas360@fiberlink.com</appOwner>
        <name>AppEXENEWAPPMAV</name>
        <upgradeCode>{930652F4-E661-40E2-BF23-C4B58913B223}</upgradeCode>
        <packageCode>{930652F4-E661-40E2-BF23-C4B58913B223}</packageCode>
        <executionCommandUnInstall>uninstallss.exe</executionCommandUnInstall>
        <executionCommandInstall>installsss.exe</executionCommandInstall>
        <isRestartReq>No</isRestartReq>
        <supportedArchitecture>X64</supportedArchitecture>
        <maintainAsAdditionalVersion>Yes</maintainAsAdditionalVersion>
        <appVersion>6.89</appVersion>
        <winPkgType>EXE</winPkgType>
        <installationMode>UI</installationMode>
        <IsRestartReq>Yes</IsRestartReq>
</appDetails>
```

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Mandatory attributes in Request

- installationMode
- supportedArchitecture
- executionCommandUnInstall
- installSuccessCriteria
    - appName
    - appVersion
    - appIcon

Sample Response

```
<actionResponse>
        <description>Application Successfully Added</description>
        <status>Success</status>
</actionResponse>
```

Access Control

- Customer Properties: ENABLE_NEW_APPS, WIN_DESKTOP_DEVICES
- Access Rights: Apps - Manage Apps

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Add Windows Store App

Request

POST /application-apis/winApps/2.0/addWinStoreApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Add a Windows Store app to MaaS360.
- The request should contain one part:
  - Part 1: Name = app_details; Value = XML file for attributes other than the file

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
maas360Hosted	Optional	Default: Yes
appSourceURL	Required	Windows Store URL of app to be added
showInADP	Optional	Relevant only If App Discovery Portal is enabled for the account. Possible values: 0: Not Available 1: View only 2: View & Request
category	Optional	Additional categories to be assigned to app other than the Store categories
appOwner	Optional	Email address of the owner of the app who needs to be intimated. Required if showInADP = 1 or 2.
appAttributes	Optional	Map of various app attributes

Sample Request

POST *https://services.fiberlink.com/application-apis/winApps/2.0/addWinStoreApp/customer/1007263*

Sample Request Value (Part 1)

```
<appDetails>
        <maas360Hosted>Yes</maas360Hosted>
        <appSourceURL>https://www.microsoft.com/en-in/store/p/ted/9wzdncrfj07f</appSourceURL>
        <category>games</category>
        <showInADP>2</showInADP>
        <appOwner>maas360@fiberlink.com</appOwner>
        <appAttributes>
                <appAttribute>
                  <attributeName>name</attributeName>
                  <attributeValue>xyz</attributeValue>
               </appAttribute>
               <appAttribute>
                  <attributeName>Email</attributeName>
                  <attributeValue>abc@def.com</attributeValue>
                </appAttribute>
        </appAttributes>
</appDetails>
```

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Sample Response (XML)

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>234567</appId>
        <appVersion>1.1.23406.0</appVersion>
</actionResponse>
```

Mandatory attributes in Response

- status
- appId

Access Control

- Customer Properties: ENABLE_NEW_APPS, MANAGE_WINDOWS7_PHONE
- Access Rights: Apps - Manage Apps

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Delete Windows Dependency

Request

DELETE /application-apis/winApps/2.0/deleteWindowsDependency/customer/<billingId>

Definition

❖ Delete Windows Dependency file (appx or appxbundle).

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
dependencyName	Required	Dependency name to be deleted
dependencyVersion	Required	Dependency version to be deleted
dependencyArchitecture	Required	Dependency architecture to be deleted

Sample Request

DELETE *https://services.fiberlink.com/application-apis/winApps/2.0/deleteWindowsDependency/customer/1007263*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Dependency deleted successfully.</description>
</actionResponse
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: ENABLE_NEW_APPS, MANAGE_WINDOWS7_PHONE
- Access Rights: Apps - Manage Apps

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Download Windows Dependency

Request

GET /application-apis/winApps/2.0/downloadWindowsDependency/customer/<billingId>

Definition

- Download Windows Dependency file (appx or appxbundle).

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
dependencyName	Required	Dependency name to be deleted
dependencyVersion	Required	Dependency version to be deleted
dependencyArchitecture	Required	Dependency architecture to be deleted

Sample Request

GET *https://services.fiberlink.com/application-apis/winApps/2.0/downloadWindowsDependency/customer/1007263*

Response Code

If a dependency is not present:
Response code: 200
Message: DEPENDENCY_NOT_PRESENT

Access Control

- Customer Properties: ENABLE_NEW_APPS, MANAGE_WINDOWS7_PHONE
- Access Rights: Apps - Manage Apps

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Get Category List

Request

GET /applications-api/applications/2.0/getCategoryList/customer/<billingId>

Definition

- Get the list of all the app categories for the given billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/2.0/getCategoryList/customer/1007263*

Sample Response (JSON)


```
{
        "categories":
        {
        "category":["Administration","Administration Abc","Book","Books","Business","Casual"],
        "count":6
        }
            }
```


Sample Response (XML)


```
<categories>
        <category>Administration</category>
        <category>Administration Abc</category>
        <category>Book</category>
        <category>Books</category>
        <category>Business</category>
        <category>Casual</category>
        <count>6</count>
</categories>
```


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Mark App as Featured

Request

POST /applications-api/applications/2.0/markAppAsFeatured/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Mark the app selected as featured in the catalog.
- The request should contain two parts:
  - Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file
  - Part 2: Name = featuredImage; Value = Featured image file

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application
appId	Required	Unique ID of the application being upgraded
secondaryApp	Optional	Default: No
appFullVersion	Optional	Required if secondaryApp = Yes
appVersion	Optional	Required if secondaryApp = Yes
featureSubtext	Required	Accepts string as the feature subtext
showAppAndFeaturedDescription	Optional	Possible values: true false (Default)
featuredBannerStyle	Optional	Possible values: 0: Basic 1: Detailed Required if showAppAndFeaturedDescription = true.
featuredFontColor	Required	Accepts HTML style hex string. For example: #5d5d5d Required if showAppAndFeaturedDescription = true.
groupId	Optional	If not specified, assumed it as global(-1).

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/markAppAsFeatured/customer/1007263

Sample Request Value (Part 1)

```
<appDetails>
        <appId>com.cdw.cdw</appId>
        <appType>1</appType>
        <secondaryApp>Yes</secondaryApp>
        <appFullVersion>1.2.3</appFullVersion>
        <appVersion>4.5.6</appVersion>
        <featureSubtext>Sample sub text</featureSubtext>
        <showAppAndFeaturedDescription>true</showAppAndFeaturedDescription>
        <featuredBannerStyle>1</featuredBannerStyle>
        <featuredFontColor>#2d9f4a</featuredFontColor>
</appDetails>
```

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Sample Response (XML)

```
<actionResponse>
        <status>Success</status>
        <description>App marked as featured.</description>
</actionResponse>
```

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Featured App

Request

POST /applications/2.0/featuredApp/customer/<billingId>
Content Type Header: multipart/form-data

Definition

- Mark the app selected as featured in the catalog.
- The request should contain two parts:
  - Part 1: Name = app_details; Value = XML file for attributes other than the upgrade file
  - Part 2: Name = featuredImage; Value = Featured image file

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: 1: iOS Enterprise Application 3: Android Enterprise Application
appId	Required	Unique ID of the application being upgraded
secondaryApp	Optional	Default: No
appFullVersion	Optional	Required if secondaryApp = Yes
appVersion	Optional	Required if secondaryApp = Yes
featureSubtext	Required	Accepts string as the feature subtext
showAppAndFeaturedDescription	Optional	Possible values: true false (Default)
featuredBannerStyle	Optional	Possible values: 0: Basic 1: Detailed Required if showAppAndFeaturedDescription = true.
featuredFontColor	Required	Accepts HTML style hex string. For example: #5d5d5d Required if showAppAndFeaturedDescription = true.

Sample Request

https://services.fiberlink.com/applications/2.0/featuredApp/customer/1007263

Sample Request Value (Part 1)

```
<appDetails>
        <appId>com.cdw.cdw</appId>
        <appType>1</appType>
        <secondaryApp>Yes</secondaryApp>
        <appFullVersion>1.2.3</appFullVersion>
        <appVersion>4.5.6</appVersion>
        <featureSubtext>Sample sub text</featureSubtext>
        <showAppAndFeaturedDescription>true</showAppAndFeaturedDescription>
        <featuredBannerStyle>1</featuredBannerStyle>
        <featuredFontColor>#2d9f4a</featuredFontColor>
</appDetails>
```

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Sample Response (XML)

```
<actionResponse>
        <status>Success</status>
        <description>App marked as featured.</description>
</actionResponse>
```

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Delete User Review and Update Rating

Request

DELETE /applications-api/applications/2.0/deleteReview/customer/<billingId>

Definition

- Deletes user review of an app and updates its average.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
reviewId	Required	Review ID of the review to be deleted.

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/deleteReview/customer/1007263?reviewId=1623

Sample Response

```
{
  "actionResponse": {
    "description": "Review with reviewId - 1623 has been deleted successfully.",
    "status": "Success"
  }
}
```

Possible Error Codes

Error Code	Description
200 OK	Success
204 No Content	
400 Bad Request	The web-service request was invalid.
401 Unauthorized	Authentication for the web-service request failed. Invalid credentials.
403 Forbidden	Web-service request is requesting a resource that the server does not allow access to.
404 Not Found	The requested resource is not found.
500 Internal Server Error	An internal server error occurred while processing the request.
502 Bad Gateway	MaaS360 Web-service server is not reachable.
503 Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.

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List Featured Apps and Bundles Info

Request

GET applications/2.0/getFeaturedAppsAndBundles/customer/<billingId>

Definition

- Lists featured apps and bundles info.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/getFeaturedAppsAndBundles/customer/1007263

Sample Response


```
{
  "featuredElements": {
    "count": 2,
    "featured": [
      {
        "appType": "IOS_ENTERPRISE_APP",
        "displayBit": 8,
        "elementName": "AppConfig",
        "elementType": "APP",
        "position": 9,
        "showElement": false,
        "appVersion": "1.0",
        "bundleId": "com.fiberlink.AppConfig",
        "bundleVersion": "1.0",
        "featuredImageUrl": "https://iq2services.fiberlink.com/cdn-content/softwares/10001589/1502279792435/46453134625496_4_test_rescaled/e7b007f648eea4fd364220e18f1c52233119a840.jpeg",
        "featuredName": "zAppConfig"
      },
      {
        "displayBit": 8,
        "elementName": "ZBundle",
        "elementType": "BUNDLE",
        "position": 10,
        "showElement": false,
        "featuredImageUrl": "https://iq2services.fiberlink.com/cdn-content/softwares/10001589/1502280025723/46686440726446_7_test_rescaled/e7b007f648eea4fd364220e18f1c52233119a840.jpeg",
        "featuredName": "ZB1Text"
      }
    ],
    "pageNumber": 1,
    "pageSize": 4
  }
}
```


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Possible Error Codes

Error Code	Description
200 OK	Success
204 No Content	
400 Bad Request	The web-service request was invalid.
401 Unauthorized	Authentication for the web-service request failed. Invalid credentials.
403 Forbidden	Web-service request is requesting a resource that the server does not allow access to.
404 Not Found	The requested resource is not found.
500 Internal Server Error	An internal server error occurred while processing the request.
502 Bad Gateway	MaaS360 Web-service server is not reachable.
503 Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.

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List Apps Bundles with their Apps Info

Request

GET /application-apis/applications/2.0/getBundlesWithApps/customer/<billingId>

Definition

- Lists app bundles with their apps info.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/getBundlesWithApps/customer/1007263

Sample Response


```
{
  "bundleDetails": {
    "count": 2,
    "bundles": [
      {
        "description": "ZB2Sub",
        "featuredBannerStyle": 0,
        "featuredImageUrl": "",
        "iconURL": "https://iq2services.fiberlink.com/cdn-content/softwares/10001589/1502280142904/46803777963306_8_test_rescaled/0406785c196625abebf6b1494ebe94c38cf367bf.jpeg",
        "name": "ZBundle2",
        "showNmOnFeaturedImage": false,
        "apps": [
          {
            "appVersion": "4.1",
            "bundleId": "com.alligatorapps.aplusspellngtest",
            "name": "A+ Spelling Test",
            "type": "IOS_APPSTORE_APP"
          },
          {
            "appVersion": "5.0.15",
            "bundleId": "com.abcdigital.abc.videoplayer",
            "bundleVersion": "5.0.15",
            "name": "ABC â¤“ Watch Live TV & Stream Full Episodes",
            "type": "IOS_APPSTORE_APP"
          }
        ]
      },
      {
        "description": "zzz",
        "featuredBannerStyle": 0,
        "featuredImageUrl": "https://iq2services.fiberlink.com/cdn-content/softwares/10001589/1502280025723/46686440726446_7_test_rescaled/e7b007f648eea4fd364220e18f1c52233119a840.jpeg",
        "featuredName": "ZB1Text",
        "featuredTextColor": "#ffffff",
        "iconURL": "https://iq2services.fiberlink.com/cdn-content/softwares/10001589/1502279976450/46637319323003_5_test_rescaled/0406785c196625abebf6b1494ebe94c38cf367bf.jpeg",
```


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```
      "name": "ZBundle",
      "showNmOnFeaturedImage": true,
      "apps": [
        {
          "appVersion": "9.11.0",
          "bundleId": "com.amazon.Amazon",
          "bundleVersion": "9.11.0",
          "name": "Amazon App: shop, scan, compare, and read reviews",
          "type": "IOS_APPSTORE_APP"
        },
        {
          "bundleId": "com.netflix.mediaclient",
          "name": "Netflix",
          "type": "ANDROID_APPSTORE_APP"
        }
      ]
    }
  ],
  "pageNumber": 1,
  "pageSize": 2
}
}
```


Possible Error Codes

Error Code	Description
200 OK	Success
204 No Content	
400 Bad Request	The web-service request was invalid.
401 Unauthorized	Authentication for the web-service request failed. Invalid credentials.
403 Forbidden	Web-service request is requesting a resource that the server does not allow access to.
404 Not Found	The requested resource is not found.
500 Internal Server Error	An internal server error occurred while processing the request.
502 Bad Gateway	MaaS360 Web-service server is not reachable.
503 Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.

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Fetch All the Reviews

Request

GET applications/2.0/getAllReviews/customer/<billingId>

Definition

- Fetches all the reviews.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/application-apis/applications/2.0/getAllReviews/customer/1007263

Sample Response


```
{
  "reviewDetails": {
    "count": "1",
    "pageSize": "50",
    "pageNumber": "2",
    "reviews": [
      {
        "reviewId": 5674565,
        "rating": 3,
        "lastName": "XYZ",
        "firstName": "ABC",
        "emailId": "joker.muddle@au1.ibm.com",
        "review": "Nice app and works well... ",
        "title": "Good One",
        "reviewDate": "01/16/2015 01:19:06"
      }
    ]
  }
}
```


Possible Error Codes

Error Code	Description
200 OK	Success
204 No Content	
400 Bad Request	The web-service request was invalid.
401 Unauthorized	Authentication for the web-service request failed. Invalid credentials.
403 Forbidden	Web-service request is requesting a resource that the server does not allow access to.
404 Not Found	The requested resource is not found.
500 Internal Server Error	An internal server error occurred while processing the request.
502 Bad Gateway	MaaS360 Web-service server is not reachable.
503 Service Unavailable	The server is currently unable to handle the request due to a temporary overloading or maintenance of the server. The implication is that this is a temporary condition which will be alleviated after some delay.

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Windows Scripts Upload

Request

POST /application-apis/winApps/2.0/addWindowsEnterpriseScripts/customer/<billingId>/
Authorization Header
Content Type Header: multipart/form-data

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
appIcon	Required	Icon of the app

Form Data

app_details
appSource

Sample Response


```
<appDetails>
   <appId>f823712c-d8ea-3c5a-b843-4cfdf6675062</appId>
   <appSourceURL></appSourceURL>
   <appType>12</appType>
   <appVersion>1.0</appVersion>
   <category>Others</category>
   <description></description>
   <executionCommandInstall>%APP_NAME%</executionCommandInstall>
   <executionCommandUnInstall></executionCommandUnInstall>
   <installContext>SYSTEM</installContext>
   <installSuccessCriteria>
      <fileList/>
      <processList>
         <process>dsasv</process>
      </processList>
      <registryList/>
   </installSuccessCriteria>
   <installationMode>SILENT</installationMode>
   <instantInstall>No</instantInstall>
   <instantUpdate>No</instantUpdate>
   <isRestartReq>No</isRestartReq>
   <maas360Hosted>Yes</maas360Hosted>
   <maintainAsAdditionalVersion>No</maintainAsAdditionalVersion>
   <name>s_test2</name>
   <newAppVersion>3.0</newAppVersion>
   <removeAppOnMDMRemoval>No</removeAppOnMDMRemoval>
   <removeAppOnSelectiveWipe>No</removeAppOnSelectiveWipe>
   <removeAppOnStopDistribution>No</removeAppOnStopDistribution>
   <supportedArchitecture>X64</supportedArchitecture>
   <userGroupBitTuple>2,0,0,0,0</userGroupBitTuple>
   <versionReleaseNotes></versionReleaseNotes>
   <winPkgType>SCRIPTS</winPkgType>
</appDetails>
```


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Windows Downloadable Add

Request

POST /application-apis/winApps/2.0/addWindowsEnterpriseDownloadableFiles/customer/<billingId>/
Authorization Header
Content Type Header: multipart/form-data

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed

Form Data

app_details
appSource

Sample Request

```
<appDetails>
   <appApprovalFlow>false</appApprovalFlow>
   <appSourceURL></appSourceURL>
   <appVersion>21</appVersion>
   <category></category>
   <description></description>
   <instantInstall>Yes</instantInstall>
   <isRestartReq>No</isRestartReq>
   <maas360Hosted>Yes</maas360Hosted>
   <name>fsmls</name>
   <removeAppOnMDMRemoval>Yes</removeAppOnMDMRemoval>
   <removeAppOnSelectiveWipe>Yes</removeAppOnSelectiveWipe>
   <removeAppOnStopDistribution>Yes</removeAppOnStopDistribution>
   <saveToLocation>C:\</saveToLocation>
   <showInADP>0</showInADP>
   <status>ACTIVE</status>
   <supportedArchitecture>X64</supportedArchitecture>
   <userGroupBitTuple>2,0,0,0,0</userGroupBitTuple>
   <winPkgType>downloadable_files</winPkgType>
</appDetails>
```

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Update App Info (V2)

Request

POST: /application-apis/2.0/updateAppInfo/customer/<billingId>
Content Type Header: multipart/form-data

Definition

❖ Update App details such as category, description, and Version release notes.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
appType	Required	Possible values: • 1: iOS Enterprise Application • 2: iOS App Store Application • 3: Android Enterprise Application • 4: Android Market Application • 5: Windows Phone Company App • 6: Windows Phone Market App • 7: Windows Phone Enterprise App • 8: IOS web clip • 9: OSX Enterprise App • 10: Mac Appstore App • 11: Mac Enterprise App • 12: Windows Package • 13: Android Work Private App
appId	Required	Unique ID of the application which is being updated
appVersion	Optional	Version of app which is being updated
newCategory	Optional	App category
newDescription	Optional	App Description
newVersionNotes	Optional	Optional

Note: Any one of the following is required:

- newCategory,
- newDescription
- newVersionNotes

Form Data

app_details

Sample Request

```
POST https://services.fiberlink.com/application-apis/applications/2.0/updateAppInfo/customer/1007263
<appDetails>
        <appId>com.cdw.cdw</appId>
        <appType>1</appType>
        <appVersion>4.5.6</appVersion>
        <newCategory>Entertainment</newCategory>
        <newDescription>IBM MaaS360 for Android provides secure access to corporate
resources</newDescription>
        <newVersionNotes>The latest app comes with security and performance
enhancements</newVersionNotes>
</appDetails>
```

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Sample Response

```
<actionResponse>
<status>Success</status>
<description>Application updated successfully. </description>
</actionResponse>
```

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Application Publication Workflow (for use by App Ecosystem Partners only)

Enable App Review Vendor

Request

POST /application-apis/appApproval/2.0/enableAppPartner/customer/<billingID>/vendor/<vendorOfferingId>

Definition

- Enables App review vendor (partners) for a given billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
vendorOfferingId	Required	Unique id to represent the vendor offering. Created during vendor on-boarding process.

Request Headers

Authorization: MaaS token="<Auth Token>"

Sample Request

GET *https://services.fiberlink.com/application-apis/appApproval/2.0/enableAppReviewPartner/customer/1101234/vendor/pradeo*

Request Header

Authorization: MaaS token="4c8c3dbb-0c9f-4845-ab09-da80289d41f5-DEInVIg"

Sample Response

```
<actionResponse>
   <description>Successfully enabled partner</description>
   <status>Success</status>
</actionResponse>
```

Access Control

- Customer Properties: Enable Apps for Approval
- Access Rights: Manage Apps

HTTP Status Codes

HTTP Status code	Success Code	Meaning
200	0	Successfully enabled partner

HTTP Status code	Error Code	Meaning
400	5	Vendor ID is wrong. Try again with correct vendor ID.

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Get the List of App Events Pending for Review

Request

GET /application-apis/appApproval/2.0/getAppsPendingReview/customer/<billingID>/vendor/<vendorOfferingId>?<timestamp>

Definition

- Get all app events pending for review or scan for a specific vendor ID.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
vendorOfferingId	Required	Unique id to represent the vendor offering. Created during vendor on-boarding process.
vendorSharedKey	Required	Secret shared key shared between vendor and Maas. Created during vendor on-boarding process.
timestamp	Optional	The epoch timestamp value, fetches data greater than the given timestamp parameter.

Request Headers

vendorSharedKey: Required
Authorization: MaaS token="<Auth Token>"

Response Header

lastTimestamp

Sample Request

GET *https://services.fiberlink.com/application-apis/appApproval/2.0/getAppsPendingReview/customer/1101234/vendor/xyz?timestamp=1512956711278*

Request Headers

vendorSharedKey: 98dce6eb-8b7d-4e9c-bfrb-89d565844ba5
Authorization: MaaS token="4c8c3dbb-0c9f-4845-ab09-da80289d41f5-DEInVIg"

Sample Response


```
{
"appsPendingReview": {
"appList": {
"actionKey": "test_script_14",
"guid": "1287ed0e-b6a8-4560-bd45-aa9f502e4aca",
"timestamp": 1518604374120
},
"count": 1
}
}
```


Response Header

lastTimestamp: 1518604374120

Access Control

- Customer Properties: Enable Apps for Approval
- Access Rights: Apps-Read only

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HTTP Status Codes

HTTP Status code	Error Code	Meaning
400	8	Vendor offering is not configured in MaaS360.
500	4	Error in retrieving Vendor data.

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Get Details of Each App that is Pending for Scan

Request

GET /application-apis/appApproval/2.0/getAppDetailsForReview/customer/<billingID>/review/<reviewId>

Definition

❖ Get the details of each app that is pending for review or scan.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
reviewId	Required	Unique id that is assigned to each review step.

Request Header

Authorization: MaaS token="<Auth Token>"

Sample Request

GET https://services.fiberlink.com/application-apis/appApproval/2.0/getAppDetailsForReview/customer/1101234/review/f298521b-abd8-48eb-b073-aeab9aad1033

Request Header

Authorization: MaaS token="4c8c3dbb-0c9f-4845-ab09-da80289d41f5-DEInVIg"

Sample Response


```
{
"appDetailsForReview": {
"reviewId": "1287ed0e-b6a8-4560-bd45-aa9f502e4aca",
"appBundleId": "com.mobilemotion.dubsmash",
"appName": "Dubsmash",
"category": "Entertainment",
"platform": "iOS",
"appVersion": "2.31.1",
"bundleVersion": "2.31.1",
"appSize": "",
"appIconURL": "http://is3.mzstatic.com/image/thumb/Purple128/v4/4d/9e/11/4d9e11df-5d06-2d10-6038-ca9b0a60bc55/source/512x512bb.jpg",
"marketAppId": 918820076,
"region": "US",
"minimumOSVersion": 9,
"description": "Make fun lip sync videos with your favorite quotes.",
"supportedOn": 3,
"appAttributes": ""
  }
}
```


Possible Values for "supportedOn"

- Smartphone
- Tablet
- Smartphone, tablet

Access Control

- Customer Properties: Enable Apps for Approval
- Access Rights: Apps-Read only

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HTTP Status Codes

HTTP Status code	Error Code	Meaning
400	7	Invalid GUID/ReviewId. No matching review found.

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Get Binary of the App Pending for Review

Request

GET /application-apis/appApproval/2.0/getAppBinaryForReview/customer/<billingID>/review/<reviewId>

Definition

- Get all binary of the app pending for scan. It may or may not be required based on the origin of the app, i.e. app store app or private app.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
reviewId	Required	Unique id that is assigned to each review step.

Request Header

Authorization: MaaS token="<Auth Token>"

Response

Input stream of app binary

Response Headers

Content-Disposition: attachment; filename=<file name>
checksum<SHA256 checksum>
fileSize <file size in MB>

Sample Request

GET *https://services.fiberlink.com/application-apis/appApproval/2.0/getAppBinaryForReview/customer/1101234/review/f298521b-abd8-48eb-b073-aeab9aad1033*

Request Header

Authorization: MaaS token="4c8c3dbb-0c9f-4845-ab09-da80289d41f5-DEInVIg"

Response

input stream of app binary

Response Headers

Content-Disposition: attachment; filename="AroundMe 6.2.5.ipa"
checksum: 35a79e938990d5686ffa45da586a562618fdfa4af928b98d423156b4d6575ca9
fileSize: 7.771MB

Access Control

- Customer Properties: Enable Apps for Approval
- Access Rights: Apps-Read only

HTTP Status Codes

HTTP Status code	Error Code	Meaning
400	7	Invalid GUID/Reviewid. No matching review found.
400	9	AppType not supported for download.

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Submit the App and Results of the Scan

Request

POST /application-apis/appApproval/2.0/submitAppReviewResults/customer/<billingID>/review/<reviewId>

Definition

- Submit the app and results of scan from your integration to MaaS360 so that it can be displayed for the MaaS360 App Administrator to take actions

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
reviewId	Required	Unique id that is assigned to each review step.
resultJson : result	Mandatory	Composed of pre-defined keys and custom keys. Pre-defined keys: Operationstatus, errcode, isresultappbinary Custom keys: Any
resultJson : result : operationstatus	Mandatory	Indicates whether the vendor operation was success/failure. Possible values: success, failure
resultJson : result : errcode	Mandatory	Indicates the errorcode from vendor in case of operation failure. Use "nil" in case operation was successful.
resultJson : result : isbinaryupdated	Mandatory	App security vendors may use this to indicate that the app has been injected with security wrappers as necessary and resultant file is an app binary that needs to replace original binary. Possible values: yes, no App binary will be replaced automatically as soon as App Administrator approves the result of the app.
resultJson : result : key 1, key 2, key 3….	Optional	Use your own key and values for results such as the following. The key and values will be displayed to the app reviewer in order to approve/reject the app. HIGH VULNERABILITIES = 3 RISK RATING = 75% RATING = 8.0
resultJson: resultDataURLs: URLs : URL 1, URL 2, URL 3….	Optional	These may be externally available URLs or URLs within vendor portal. URLs will be displayed to the app reviewer inorder from where results can be viewed
resultJson : result : resultfilechecksum	Mandatory if resultJson : result : isresultfileavailable = yes	Specify SHA2 checksum of return document containing results of a scan such as .doc, .pdf, .xls, .xml, .htm file.

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resultFile	Optional, Mandatory if resultJson : result : isresultfileavailable = yes	Return document containing results of a scan such as .doc, .pdf, .xls, .xml, .htm file. Max file size: 2GB
resultJson : result : updatedBinaryChecksum	Mandatory if resultJson : result : isbinaryupdated = yes	Specify SHA2 checksum of return hardened or wrapped app binary
updatedBinaryApp	Optional Mandatory if resultJson : result : isbinaryupdated = yes	Return hardened or wrapped app binary. Max file size: 2GB

Request Header

Authorization: MaaS token="<Auth Token>"

POST Data

Part 1: resultJson: Required
Content-Type: multipart/form-data

Part 2: updatedBinaryApp: Optional - POST data can be multi part content that contains the actual result file 'resultFile'. Result data file can also be the updated app. Only one file resultDataFile can be posted to MaaS360 workflow.
Content-Type: multipart/form-data

Part 3: resultFile: Optional
Content-Type: multipart/form-data

Sample Request

POST https://services.fiberlink.com/application-apis/appApproval/2.0/submitAppReviewResults/customer/30074548/review/1a3e90d0-8aae-4a20-9e74-3231d4c7b639

Request Header

Authorization: MaaS token="4c8c3dbb-0c9f-4845-ab09-da80289d41f5-DEInVIg"

POST Data

Part 1: resultJsonFile: Required
resultJson: { "result": { "isbinaryupdated": "yes", "isresultfileavailable": "yes", "errorcode": "nil", "operationstatus": "success", resultSummary": {"key1": "value1", "key2": "value2", "key3": "value3" }, "resultDataURLs" : {"key1":"URL1", "key2":"URL2", "key3":"URL3", "key4":"URL4"}, "resultfilechecksum":"resultFileSha2Checksum", "updatedBinaryChecksum": "updateBinaryAppChecksum" } }
Content-Type: multipart/form-data

Part 2: updatedBinaryApp: Optional - POST data can be multi part content that contains the actual result file 'resultFile'. Result data file can also be the updated app. Only one file resultDataFile can be posted to MaaS360 workflow.
Content-Type: multipart/form-data

Part 3: resultFile: Optional
Content-Type: multipart/form-data

Response

Success or Failure with the error message

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Sample XML Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<actionResponse>
<description>Results uploaded successfully</description>
<status>Success</status>
</actionResponse>
```

Access Control

- Customer Properties: Enable Apps for Approval
- Access Rights: Manage Apps

HTTP Status Codes

HTTP Status code	Success Code	Meaning
200	0	Results uploaded successfully.

HTTP Status code	Error Code	Meaning
400	1	Result JSON file is missing.
400	3	Data provided in JSON does not match with number of files uploaded.
400	7	Invalid review. No matching review found.
400	10	Result already published for the given review ID.
500	2	Checksum is not matching with the uploaded file.
500	8	Vendor offering is not configured in MaaS360.

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User

Search Users

Request

GET /user-apis/user/1.0/search/<billingID>

Definition

- Search for users by Username, Domain, Full Name, Email Address and Source
- Support for partial match for these attributes
- Get results on specified pages of the Result-set

Parameters

Parameter Name	Required / Optional	Description
domain	Optional	Full domain name string
partialUserName	Optional	Partial or full Username string
partialFullUserName	Optional	Partial or full "Full UserName" string
partialEmailAddress	Optional	Partial or full Email Address
includeAllUsers	Optional	Possible values: - 0: Include users with devices only (Default) - 1: Include all users
source	Optional	Possible values: - 0: Local Directory - 1: User Directory
match	Optional	Possible values: - 0: Indicates Partial match for Username, Full Name and Email Address (Default) - 1: Indicates Exact match
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50.
pageNumber	Optional	Results specific to a particular page. Default is first page
billingID	Required	Billing ID of the account for which the web-service is being executed
includeCustomAttributes	Optional	Possible values: 1, 0 (default)
authType	Optional	Possible values: - 0: Local Directory - 1: User Directory
usersUpdatedAfterInEpochms	Optional	Time in the Unix epoch milliseconds, returns users updated after this time

Sample Request

https://services.fiberlink.com/user-apis/user/1.0/search/1101234?partialUserName=BBFL&partialFullUsername=ther&partialEmailAddress=therchek@example.com&includeAllUsers=0&match=0&pageSize=25&pageNumber=2

Sample Response

```
<users>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <user>
                <userIdentifier>B3A139685EF3719620211A7A99AD0E34</userIdentifier>
                <userName>abarnes</userName>
                <emailAddress>abcd@example.com</emailAddress>
```

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```
                <domain>ExampleDomain</domain>
                <status>Active</status>
                <location>Bangalore</location>
                <source>0</source>
                <authType>0</authType>
                <createDate>Sep 10, 2015 6:56:34 PM</createdDate>
                <updateDate>Sep 12, 2016 3:56:34 AM</updateDate>
                <groups>
                        <group>
                                <groupId>12345</groupId>
                                <name>Sales</name>
                                <groupDN>cn=Sales,DC=Acmecorp,DC=com<groupDN>##This has value
                        only for User Directory Groups
                        <group>
                        …
                </groups>
                <passwordExpiryDate>Feb 16, 2020 2:21:40 PM</passwordExpiryDate>
                <userCustomAttributes>
                        <customAttribute>
                                <customAttributeName>home</customAttributeName>
                                <customAttributeValue>msn.com</customAttributeValue>
                        <customAttribute>
                </userCustomAttributes>
        </user>
        <user>
        …
        </user>
</users>
```


Mandatory Attributes in Response

- userIdentifier
- userName
- domain
- emailAddress
- source
- status
- createDate
- updateDate

Access Control

- Customer Properties: Enable User Management workflows and Enable Web-Services
- Access Rights: Users - Read Only

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Add Local User Account

Request

POST /user-apis/user/1.0/addUser/customer/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Add a Local user in MaaS360
- Support addition of Local accounts for customers with User Directory integration as well as MaaS360 Local Account

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
fullname	Optional	
userName	Required	
domain	Required	
email	Required	
phoneNumberCountry	Optional	
phoneNumber	Optional	
location	Optional	
emailSetPwdLink	Optional	Sends an email link to set a password. Possible values: Yes or No (Default). Note: Supported only if the Auto-generate option is enabled in the User Password settings for the customer.
managedAppleId	Optional/Required	The Managed Apple ID created through Apple Business Manager. Optional for local user Mandatory for User directory users.
authType For more information, see "How authType parameter works in addUser API" section.	Optional	Change authentication type Local (MaaS360) = 1 Corporate (AD) = 0 Corporate (Azure AD) = 2 Corporate (SAML) = 3: Supported when the Unified Sign In customer property is turned on for the customer.

How authType parameter works in addUser API

- When Unified Sign In customer property is turned on
  - The authType that you want to pass in the request must be preconfigured.
  - If you pass an authType in the request without preconfiguring it, an invalid response is returned.
  - If you do not pass an authType in the request, the user is created with the default user auth type.
  - If you preconfigure an authType and pass the authType in the request, that authType is given precedence over the default user auth type.

authType passed in request	Is the passed authType configured?	Default user auth type	Response
0 (Corporate AD)	No	Azure AD	400 Invalid request – User is not created. Note: The authType passed in this request is not

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			preconfigured. Hence, an invalid response is returned.
1 (Local)	Yes	Azure AD	200 - User is created with Local auth type. Note: The authType passed in this request is preconfigured, hence the authType passed in the request is given precedence over the default user auth type.
2 (Azure AD)	Yes	Azure AD	200 – User is created with Azure AD auth type. Note: The authType passed in this request is preconfigured, hence the authType passed in the request is given precedence over the default user auth type.
3 (SAML)	No	Azure AD	400 Invalid request – User is not created. Note: The authType passed in this request is not preconfigured. Hence, an invalid response is returned.
No	Not Applicable	Azure AD	200 – User is created with Azure AD auth type. Note: If you do not pass an authType in the request, the user is created with the default user auth type.

❖ When Unified Sign In customer property is turned off

- You cannot configure default user auth type.
- The authType that you want to pass in the request must be preconfigured.
- If you pass an authType in the request without configuring it, an invalid response is returned.
- If you do not pass an auth type in the request, the user is created with Local (MaaS360) auth type.
- If you preconfigure an authType and pass the authType in the request, that authType is given precedence over Local (MaaS360) auth type.

authType passed in request	Is the passed authType configured?	Default user auth type	Response
No	Not Applicable	Not Applicable	200 - User is created with Local (MaaS360) auth type. Note: If you do not pass an authType in the request, the user is created with the Local (MaaS360) auth type.
3 (SAML)	No	Not Applicable	400 invalid request - User is not created. Note: The authType passed in this request is not configured. Hence, an invalid response is returned.
2 (Azure AD)	Yes	Not Applicable	200 – User is created with Azure AD auth type. Note: The auth type passed in this request is configured.

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			Hence user is created with Azure AD auth type.

Sample Request

POST *https://services.fiberlink.com/user-apis/user/1.0/addUser/customer/1007463?userName=abc&domain=example.com&email=abc@example.com*

Sample Response

```
<response>
        <status>1</status> ## 0:success; 1:error
        <userIdentifier>4D0E6C29440C9FD0DF22D24E97741B3B</userIdentifier>
</response>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable User View for Customer
- Access Rights:
  - Manage Users
  - Device View – Read-only
  - Manage Cloud Extenders

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Edit a Local User Account

Request

PUT /user-apis/user/1.0/editUser/customer/<billingID>/user/<user_identifier>
Content Type Header: application/x-www-form-urlencoded

Definition

- Edit a Local user in MaaS360. This is for customers with User Directory integration as well as MaaS360 Local Account
- Following parameters can be edited: Full Name, Domain, Email Address, Phone Number Country, Phone Number and Location
- Note: User Directory User accounts cannot be edited. An error should be returned if a User Directory account is edited

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
user_identifier	Required	MaaS360 User ID for the user account which needs to be edited
fullName	Optional	
domain	Optional	
email	Optional	
phoneNumberCountry	Optional	
phoneNumber	Optional	
location	Optional	
managedAppleId	Optional/Required	The Managed Apple ID created through Apple Business Manager. Optional for local user Mandatory for User directory users.
authType	Optional	Change authentication type Local = 1 Corporate (AD) = 0 Corporate (Azure AD) = 2 Corporate (SAML) = 3: Supported when the unified sign in the customer property is turned on for the customer.

Sample Request

PUT *https://services.fiberlink.com/user-apis/user/1.0/editUser/customer/1007463/user/5D74F9BF45C98E1CFCD241D093D73383*

Sample Response

```
<response>
        <status>Success</status> ## In case of any failure in action, this is set to Failed and description has failure reasons.
        <description>User account updated successfully.</description>
</response>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable User View for Customer

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- Access Rights: User View - Edit

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Modify Users

Request

POST /group-apis/group/1.0/users/customer/<billingId>/group/<groupIdentifier>

Definition

- Add or remove multiple users to a Group
- On successful execution of the web-service there will be no response. An error will be returned if there are failures

Parameters

Parameter Name	Required / Optional	Description
groupIdentifier	Required	ID of the Group which needs to be modified
BillingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

POST *https://services.fiberlink.com/group-apis/group/1.0/users/customer/1007463/group/12345*

Request Body (as json)

```
{
   "addedUsers": "user fetch  identifier4"
}
```

Sample Responsee

For invalid request

```
<response>
        <description>One or more user identifiers provided in the request are invalid.</description >
        <responseCode>2<responseCode>
</response>
<response>
        <description>The group identifier provided in the request is invalid.</description >
        <responseCode>1<responseCode>
</response>
<response>
        <description>One or more user identifiers provided in the request are inactive.</description >
<responseCode>4<responseCode>
</response>
```

For forbidden request

```
<response>
        <description>The admin doesn't have sufficient privileges to modify one or more of the specified
        users.</description >
        <responseCode>3<responseCode>
</response>
```

Access Control

- Customer Properties: Enable Web-Services
- Access Rights: User View - Edit

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Add Groups to Local User Account

Request

PUT /user-apis/user/1.0/addGroups/customer/<billingID>/user/<user_identifier>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Add a Local or User Directory Group to a Local user account

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
user_identifier	Required	User Identifier of the user for whom we are adding groups
groupIds	Required	Comma separated list of multiple Group IDs to be added

Sample Request

PUT *https://services.fiberlink.com/user-apis/user/1.0/addGroups/customer/20025440/user/0A246C3253D0F797E28C81DB5C269707?groupIds=3055733*

To retrieve the groupId, use the following API:

/group-apis/group/1.0/groups/customer/<billing_id>

Sample Response

```
<response>
        <status>1</status> ## 1:success; 0:error
        <description>Description, in case of success/error</description >
        <userIdentifier>99950C69056BF0971FCA5807F752C53</userIdentifier>
</response>
```

Mandatory attributes in Response

- status
- userIdentifier

Access Control

- Customer Properties: Enable User View for Customer
- Access Rights: User View - Edit

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Remove Groups from Local User Account

Request

DELETE /user-apis/user/1.0/removeGroups/customer/<billingID>/user/<user_identifier>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Remove Local or User Directory Group from a Local user account

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
user_identifier	Required	User Identifier of the user for which we are deleting groups
groupIds	Required	Comma separated list of multiple Group IDs to be added

Sample Request

DELETE *https://services.fiberlink.com/user-apis/user/1.0/removeGroups/customer/1007463*/user/12345

Sample Response

```
<response>
        <status>1</status> ## 1:success; 0:error
        <description>Description, in case of success/error</description >
        <userIdentifier>99950C69056BF0971FCA5807F752C53</userIdentifier>
</response>
```

Mandatory attributes in Response

- status
- userIdentifier

Access Control

- Customer Properties: Enable User View for Customer
- Access Rights: User View - Edit

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Get AD Groups

Request

GET /user-apis/user/1.0/getADGroups/<billingID>

Definition

❖ Returns all the AD Groups applicable for the user

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
userName	Required	Username for which AD Groups information needs to be retrieved

Sample Request

GET *https://services.fiberlink.com/user-apis/user/1.0/getADGroups/1101234?userName=user1*

Sample Response

```
<adGroups>
        <adGroup>Administrators</adGroup>
        <adGroup>Help Desk</adGroup>
        ....
</adGroups>
```

Mandatory attributes in Response

- adGroup

Access Control

- Customer Properties: Enable User View for Customer
- Access Rights: Device View - View Only

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Change Persona Policy

Request

POST /user-apis/user/1.0/billingID/<billingID>/user/<user>/changePolicy
Content Type Header: application/x-www-form-urlencoded

Definition

- Assigns a Persona policy for the user
- This can be for a MaaS360 Local Account or User Directory account.
- Note: Assignments to User Groups will take precedence over individual user policy assignment.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed. Needs to be specified only in URL
user	Required	Username for which Persona policy needs to be changed Needs to be specified only in URL
personaPolicy	Required	Name of the Persona policy assigned
domain	Optional; Required if user isn't unique	Domain of the user. For example, "example.com"

Sample Request

POST *https://services.fiberlink.com/user-apis/user/1.0/billingID/1101234/user/jsmith/changePolicy?personaPolicy=marketing&domain=example.com*

Sample Response

```
<response>
        <status>Success</status> ##In case of any failure, this is set to Failed & description has details of the error
        <description>Description comes here</description>
</response>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: Enable User Management (Beta)
- Access Rights: Manage Users

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Set Custom Attribute Value for a User

Request

POST /user-apis/user/1.0/setCustomAttributes/<billingID>/
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Sets the value for a specified custom attribute for a user record

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
userName	Required	
domain	Required	
attributeName	Required	Name of the custom attribute for which value is to be set
attributeDistinguisedName	Required	Distinguished name of the custom attribute for which value is to be set
attributeValue	Required	Value to be set for the attribute

Sample Request

POST *https://services.fiberlink.com/user-apis/user/1.0/setCustomAttributes/1101234?userName=johndoe&domain=example.com&attributeName=test&attributeDistinguisedName=TEST&attributeValue=test/*

Sample Response

```
<actionResponse>
        <result>Success</result>
        <description>Description, in case of success/error</description>
</actionResponse>
```

Mandatory attributes in Response

- result

Access Control

- Customer Properties: Enable User Management (Beta)
- Access Rights: Manage Users

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Update User Certificate

Request

POST /user-apis/user/1.0/updateUserCert/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

❖ Deliver a new User Certificate to all enrolled devices of the user

Parameters

Parameter Name	Required / Optional	Parameter Type (Path/Query/Form)	Description
billingID	Required	Path	Billing ID of the account for which the web-service is being executed
userName	Required	Query	
domain	Required	Query	

Sample Request

POST *https://services.fiberlink.com/user-apis/user/1.0/updateUserCert/1001234?userName=user01&domain=forest02.acmecorp.local*

Sample Response

```
<actionResponse>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <description>Description, in case of success/error</description >
</actionResponse>
```

Mandatory attributes in Response

- actionStatus

Access Control

- Customer Properties: Enable User Management (Beta)
- Access Rights: Manage Users

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Get User Custom Attributes

Request

GET /user-apis/user/1.0/userAttributes/<billingID>

Definition

- Returns all user custom attributes defined for the account

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

GET *https://services.fiberlink.com/user-apis/user/1.0/userAttributes/1101234*

Sample Response

```
<userAttributes>
        <userAttribute>
                <displayName>SecureAttribute</displayName>
                <distinguishedName>SECUREATTRIBUTE</distinguishedName>
                <path>securefield1</path>
        </userAttribute>
        <userAttribute>
                <displayName>TextAttribute</displayName>
                <distinguishedName>TEXTATTRIBUTE</distinguishedName>
                <path>string1</path>
        </userAttribute>
</userAttributes>
```

Access Control

- Customer Properties: Enable User Custom Attributes
- Access Rights: View Custom Attributes

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Delete User

Request

DELETE /user-apis/user/2.0/users/customer/<billingId>/user/<userIdentifier>

Definition

- Queue user for deletion.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
userIdentifier	Required	User identifier for user deletion.

Access Control

- Customer Properties: ENABLE_WEB_SERVICES
- Access Rights: User Views - Add User and Device

HTTP Status Codes

HTTP Status code	Scenario	Error code	Meaning
202	User successfully queued for deletion.	0	User has been queued for permanent deletion.
500	Internal server error	1	User could not be queued for permanent deletion. Please try again later or contact support if problem persists.
400	userIdentifier is null/empty/invalid	2	Invalid user identifier.
403	Admin does not have access to given user	3	Admin does not have access to given user.
400	Education user	4	This user is being managed via Apple School Manager and cannot be manually deleted.
400	User has/had CE device	5	User cannot be deleted. User has or had Cloud Extender devices mapped to his/her name.
400	User has active device or apps/doc distribution	6	The user cannot be deleted because this user has active devices or a distribution of an app or doc has been made specifically to a device belonging to the user. Mark the devices as inactive or remove the individual device distribution and try again.

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Delete User Status

Request

GET /user-apis/user/2.0/deleteUserStatus/customer/<billingId>/user/<userIdentifier>

Definition

❖ Know the status of the user that was in the queue deletion.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
userIdentifier	Required	User identifier for user deletion.

Access Control

- Customer Properties: ENABLE_WEB_SERVICES
- Access Rights: User Views - Add User and Device

HTTP Status Codes

HTTP Status code	Scenario	Error code	Meaning
200	User is in queue	0	User has been queued for permanent deletion.
200	User is in queue	1	User deletion is started.
200	User is in queue	2	Device deletion is started.
200	User is in queue	3	User deletion is in progress.
200	User deletion failed	4	User deletion failed.
200	User deletion completed	5	User deleted successfully.
400	userIdentifier is Invalid	6	Empty User Identifier.
403	Admin does not have access to given user	7	Admin does not have access to given user.
400	User Does not Exist / Deleted	8	Provided user does not exist. If user identifier is correct, then user is deleted.
500	userIdentifier is empty		

- If user is deleted, we cannot find user identifier and user id relation. If the user is deleted, we will see that the user does not exist.
- In scenarios, where the user is deleted successfully, we cannot find the user or the mapping of the user identifier and user id.

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User Actions

Request

POST /actions/1.0/customer/{billingId}/action/{actionType}/user/{userId}
Content Type Header: application/json

Definition

- Executes the specified action on the user. Upon successful execution, the method returns a unique identifier (ID) generated for that action. This ID can be used for tracking, retrieving results, or managing further operations related to the user.
- Authorization header: MaaS token="<ADMIN_AUTH_MAAS_TOKEN>"

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web service is run.
actionType	Required	Type of action to be performed on the device. For information on the list of supported action types, see the *Actions* section.
userId	Required	The user identifier of the user on which the action is to be performed. Sample: maas360UserId.
Body	-	The details about the API Request body are explained in the *Parameters in the API Body* section.

Parameters in the API Body

Parameter Name	Required / Optional	Description
name	Required	Name of the action being created.
description	Optional	Description of the action being created.
targetType	Optional	Target of the action being created. Sample: "DEVICEGROUP".
actionType	Optional	Action type being created. Sample: "MDM_SCHEDULE_OS_UPDATE"
expiryDate	Required	The expiry date for the action in the epoch time format.
requestorWorkflow	Required	Source from where the action is being created.
additionalParams	Optional	Additional information required for the action. For more information, see the additionalParams supported for each action type in the *Actions* section.

Sample Response

```
"{
  ""actionId"": ""297053979""
}"
```

Mandatory attributes in Response

- actionId

Actions

Notify an user via email

- **Action Type**: NOTIFY_USER_EMAIL
- **Description**: Notify the user by email.

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- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
devices	Optional	MaaS360 device ID or the Client Serial Number (csn) of the device.
TITLE	Required	Title of the message.
CONTENT	Required	Content of the email.

- **Sample request:**

  *https://services.fiberlink.com/action-apis/actions/1.0/customer/70090437/action/NOTIFY_USER_EMAIL/user/2EFD86B72A21222AFC108C90268A7CF4' *

- **Sample request body in JSON:**

```
{
  "name":"Notify User Email Action",
  "description":"Notify User Email Action",
  "requestorWorkflow":"TEST",
  "additionalParams": {
      "TITLE":"email header",
      "CONTENT":"email body"
  }
}
```

Notify an user via sms

- **Action Type**: NOTIFY_USER_SMS
- **Description**: Notify the user by an SMS when the user's phone number is saved.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
devices	Optional	MaaS360 device ID or the csn of the device
TITLE	Required	Title of the message.

- **Sample request:**

  *https://services.fiberlink.com/action-apis/actions/1.0/customer/70090437/action/NOTIFY_USER_SMS/user/2EFD86B72A21222AFC108C90268A7CF4' *

- **Sample request body in JSON:**

```
{
  "name":"Notify User SMS Action",
  "description":"Not mandatory",
  "requestorWorkflow":"TEST",
  "additionalParams": {
      "TITLE":"sms content"
  }
}
```

Quarantine an user

- **Action Type**: QUARANTINE_USER
- **Description**: Quarantine the user.

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- **Conditions for the action to work**:
  Customers must have the Threat Management and Security Insights services enabled.
- **additionalParams**
  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
restrictions	Required	Type of restrictions that can be applied. • RESTRICT_ACCESS • RESTRICT_MDM_EMAIL • RESTRICT_MAAS_AGENT_EMAIL • RESTRICT_WIFI Sample:[{\"name\":\"RESTRICT_WIFI\"}]
CONTENT	Required	Content of the email.
notifications	Required	Notifications to be sent. "Notifications to be sent. Sample: [{\""type\"":\""device\"", \""data\"": {\""title\"":\""device quarantined\"", \""content\"":\""device quarantined - pls contact admin\"", \""container\"":\""SECURITY\""} }, {\""type\"":\""email\"", \""data\"":{\""title\"":\""android310523121342_00 quarantined\"", \""content\"":\""The following restrictions have been applied to your devices: 1. MFA (Multi-factor authentication) configuration required to access all single sign-on (SSO) enabled applications.\""}}]"
notificationModes	Required	Mode of notification. Sample: Email

- **Sample request:**

  *https://services.fiberlink.com/action-apis/actions/1.0/customer/70090437/action/QUARANTINE_USER/user/2EFD86B72A21222AFC108C90268A7CF4' *

- **Sample request body in JSON:**

```
{
   "name":"Quarantine user Action",
   "description":"test quarantine user action",
   "requestorWorkflow":"TEST",
   "expiryDate": 1726744345196,
   "additionalParams": {
        "restrictions" :
"[{\"name\":\"RESTRICT_ACCESS\",\"value\":\"MFA\"},{\"name\":\"RESTRICT_EMAIL\"},{\"name\":\"RESTRICT_WIFI\"}]",
        "notifications" : "[{\"type\":\"device\",\"data\":{\"title\":\"Device quarantined\",\"content\":\"Your admin has enforced restrictions on your devices due to risky security posture.\",\"container\":\"SECURITY\"}},{\"type\":\"email\",\"data\":{\"title\":\"quarantine email title\",\"content\":\"quarantine email content\"}}]",
        "notificationModes": "email",
        "TITLE": "quarantine email title",
        "CONTENT": "quarantine email content"
    }
}
```

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Revoke Quarantine an user

- **Action Type**: REVOKE_QUARANTINE_USER
- **Description**: Revoke the Quarantine action taken on a user.
- **Conditions for the action to work**:
  - Customers must have the Threat Management and Security Insights services enabled.
  - The device must have the Quarantine Device action applied.
- **additionalParams**

  Additional information required for the action.

additionalParamsKey	Required / Optional	Description
restrictions	Required	Type of restrictions that can be applied. • REVOKE_RESTRICT_ACCESS • REVOKE_RESTRICT_MDM_EMAIL • REVOKE_RESTRICT_MAAS_AGENT_EMAIL • REVOKE_RESTRICT_WIFI Sample: [{\"name\":\"REVOKE_RESTRICT_WIFI\"}]
CONTENT	Required	Content of the email
notifications	Required	Notifications to be sent. "Notifications to be sent. Sample: [{\""type\"":\""device\"", \""data\"": {\""title\"":\""device quarantined\"", \""content\"":\""device quarantined - pls contact admin\"", \""container\"":\""SECURITY\""} }, {\""type\"":\""email\"", \""data\"":{\""title\"":\""android310523121342_00 quarantined\"", \""content\"":\""The following restrictions have been applied to your devices: 1. MFA (Multi-factor authentication) configuration required to access all single sign-on (SSO) enabled applications.\""}}]"
notificationModes	Required	Mode of notification. Sample: Email

- **Sample request:**

  *https://services.fiberlink.com/action-apis/actions/1.0/customer/70090437/action/REVOKE_QUARANTINE_USER/user/2EFD86B72A2122 2AFC108C90268A7CF4' *

- **Sample request body in JSON:**

```
{
  "name":"Revoke quarantine user Action",
  "description":"test revoke quarantine user action",
  "requestorWorkflow":"TEST",
  "expiryDate": 1726744345196,
  "additionalParams": {
      "notifications": "[{\"type\":\"device\",\"data\":{\"title\":\"device restrictions
revoked\",\"content\":\"device restrictions
revoked.\",\"container\":\"SECURITY\"}},{\"type\":\"email\",\"data\":{\"title\":\"android31052311245
7_00 quarantine restrictions removed\",\"content\":\"Your administrator has removed the
restrictions that were previously enforced on all your devices.<br/> <br/>Restrictions revoked
from following devices:<br/> 1. Android310523112457_00 <br/>\"}}]",
```

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"notificationModes": "email",
"TITLE": "android310523112457_00 quarantine restrictions removed",
"CONTENT": "Your administrator has removed the restrictions that were previously enforced on all your devices.

Restrictions revoked from following devices:
 1. Android310523112457_00
"
}
}

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Administrator

Create Administrator

Request

POST /account-provisioning/administrator/1.0/createAdministrator/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Creates a new Administrator account using the specified role
- Password is auto-generated by MaaS360 and emailed to the specific administrator email address
- The Administrator maybe prompted to change the temporary password or setup their profile
- This API is available both for Customer and Partner administrator account.

Parameters

Parameter Name	Required / Optional	Description
customerBillingID	Required	Billing ID of the account for which the web-service is being executed
adminUsername	Required	Username of the Administrator account to be created
adminEmailAddress	Required	Email Address of the Administrator account
roles	Required	Comma separated list of role(s) of the Administrator account
firstName	Optional	First Name of the Administrator
lastName	Optional	Last Name of the Administrator
countryCodePhoneNumber	Optional	Country Code for the Phone Number of the Administrator
phoneNumber	Optional	Phone Number of the Administrator
requestPassword	Optional	Possible Options: 1 – Show password 0 (Default) – Don't show
forceResetTempPassword	Optional	Possible Options: 0 (Default) – User does not need to change the password on first time login 1 – User is forced to change the password on first time login
allowPortalLogin	Optional	Possible Options: 0 – Admin account cannot be used to log into portal. This is for webservice only 1 – Admin account can be used for both portal login & webservice (Default)

Sample Request

POST *https://services.fiberlink.com/account-provisioning/administrator/1.0/createAdministrator/1101234?customerBillingID=1101234&adminUsername=abc&adminEmailAddress=abc@example.com&roles=Help Desk*

Sample Response

```
<administrator>
        <adminUsername>admin_acmecorp</adminUsername>
        <customerBillingId>1009001</customerBillingId>
        <errorCode>ERROR_1001</errorCode>
        <errorMessage>Username already exists</errorMessage>
        <status>0</status> ##0:Failure, 1: Success
</administrator>
```

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Mandatory attributes in Response

- customerBillingId
- adminUsername
- status

Access Control

- Customer Properties: -
- Access Rights: Manage Administrators

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Check Administrator Account Availability

Request

GET /account-provisioning/account/1.0/ checkAdminAccountAvailability/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Check if the administrator username is available before creating an administrator account for a customer or partner account
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account
- This account name is globally validated across all partners and customers accounts.

Parameters

Parameter Name	Required / Optional	Description
adminUsername	Required	Administrator Username

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/ checkAdminAccountAvailability/1101234?adminUsername=2001234_admin*

Sample Response

```
<administrator>
        <adminUsername>2001234_admin</adminUsername>
        <errorCode>ERROR_1001</errorCode>
        <errorMessage>Username already exists</errorMessage>
        <available>0</available>## 1- Yes (User name is available for addition), 0- No (Username is
already taken)
</administrator>
```

Mandatory attributes in Response

- available
- adminUsername

Access Control

- Customer Properties: Enable Webservice
- Access Rights: All rights related to Onboarding

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Deactivate Administrator

Request

POST /account-provisioning/administrator/1.0/deactivateAdminbyEmailAddress/<loggedInbillingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Activate or deactivate a portal administrator.

Parameters

Parameter Name	Required / Optional	Description
loggedInbillingId	Required	Billing ID of the logged in user
custbillingId	Required	Billing ID of the customer
email	Required	Email address of the Administrator account to be activated/deactivated
Authorization	Required	Authorization token

Sample Response (Status 200)

```
{
  "loggedInbillingId": "string",
  "custbillingId": "string",
  "adminUsername": "string",
  "email": "string",
  "tostatus": "string",
  "error": "string",
  "errorCode": "string",
  "status": "string"
}
```

Access Control

- Customer Properties: -
- Access Rights: Manage Administrators

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Account

Provision New Customer Account

Request

POST /account-provisioning/account/1.0/createCustomerAccount/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Create customer account for Partner and configure all account setup information. For the primary administrator account created, change temporary password and set profile steps are skipped. Also, the administrator is assigned all roles copied from Parent account.
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Billing ID specified as a parameter is the Parent of the customer account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the Partner account for which the customer account should be created
accountType	Required	Possible values: Trial (Default), Customer
accountName	Required	Display name for the Account
service	Optional	Possible values: MDM, SPS, MAM. If no value is specified, MDM is assumed
adminEmailAddress	Required	Email Address of the primary administrator for the account
country	Optional	Country name or country code where the customer account is located. For example: India or IN
externalAccountID	Optional	ID used by partner to identify partner's customer. Limit 255 characters.
password	Optional	If specified, this will be set for the Administrator account. Else, an autogenerated password will be set
defaultLanguage	Optional	Default Language set for the account. Default = English • en or English • de or Deutsch • es or Spanish • fr or French • it or Italiano • ja or Japanese • zh-TW or Chinese Taiwan • zh-CN or Simplified Chinese • ko or Korean • pt or Portuguese • nl or Dutch • ru or Russian • cs or Czech • pl or Polish • no or Norwegian These input values are case sensitive.

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Parameter Name	Required / Optional	Description
forceAdminAcceptEULA	Optional	Account Name for the account to be provisioned. Default = No
sendWelcomeEmail	Optional	Whether to send Welcome Email from MaaS360 or not. Default = Yes
allowPortalLogin	Optional	Possible Options: 0 – Admin account cannot be used to log into portal. This is for webservice only 1 – Admin account can be used for both portal login & webservice (Default)
committedLicenses	Optional	Ignored if Account Type = Trial
customerVertical	Optional	Customer Vertical for which the account information is provided. Possible values: • *CONSUMER* • *EDUCATION* • *FINANCIAL_SERVICES* • *HEALTHCARE* • *MANUFACTURING* • *PUBLIC_SECTOR* • *PROFESSIONAL_SERVICES* • *OTHERS*

Sample Request

POST *https://services.fiberlink.com/account-provisioning /account/1.0/createCustomerAccount/1101234?accountType=Customer&accountName=Demo Customer1&adminEmailAddres=abc@example.com*

Sample Response

```
<account>
        <billingId>1101234</billingId>
        <accountName>Demo Customer1</accountName>
        <partnerBillingId>2001234</partnerBillingId>
        <adminUserName>2001234_admin</adminUserName>
        <adminPassword>a1b2c3d4</adminPassword> ## Only when autogenerated
        <loginUrl>https://portal.fiberlink.com/</loginUrl>
</account>
```

Mandatory attributes in Response

- billingId
- accountName
- partnerBillingId
- adminUserName
- loginURL

Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Onboard Customer, Account Actions Control

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Check Account Name Availability

Request

POST /account-provisioning/account/1.0/checkAccountNameAvailability/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Check if Account name is available before creating an account for a customer under the Partner hierarchy
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account
- This account name is globally validated across all partner and customer accounts in MaaS360.

Parameters

Parameter Name	Required / Optional	Description
accountName	Required	Account Name

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/checkAccountNameAvailability/1101234?accountName=ExampleCo*

Sample Response

```
<account>
        <accountName>ExampleCo</accountName>
        <available>0</available>## 1- Yes (Accout name is available for addition), 0- No (Account Name is already taken)
        <errorCode>1001</errorCode>
        <errorMessage>Exception …</errorMessage>
 </account>
```

Mandatory attributes in Response

- available
- accountName

Access Control

- Customer Properties: Enable Provision New Customer & Enable Provision New Partner
- Access Rights: Onboard Customer, Onboard Partner, Account Actions Control

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Convert Trial into Customer Account

Request

POST /account-provisioning/account/1.0/convertToCustomer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Convert a trial account into customer account.
- Applies only for trial accounts
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account
- Trial account Billing ID specified should be in the partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
customerBillingId	Required	Billing ID of the trial account which needs to be converted into customer account
committedLicenses	Optional	This is integer field and will be null by default

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/convertToCustomer/1101234?customerBillingId=1101237*

Sample Response

```
<account>
        <billingId>1101237</billingId>
        <status>0</status> ## 1:success; 0:error
        <errorCode>1001</errorCode>
        <errorMessage>Exception …</errorMessage>
</account>
```

Mandatory attributes in Response

- billingId
- status

Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Convert Customer, Account Actions Control

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Expire an Account

Request

POST /account-provisioning/account/1.0/expireAccount/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Expires an existing trial account or active customer account. Sets the status of account to “expired”.
- Only active customer account or a trial account can be expired. Partner account cannot be expired.
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account
- Customer account Billing ID specified should be in the partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
customerBillingId	Required	Billing ID of customer or trial account to be expired.

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/expireAccount/1101234?customerBillingId=1101235*

Sample Response

```
<account>
        <billingId>1101234</billingId>
        <status>0</status> ## 1:success; 0:error
        <errorCode>1001</errorCode>
        <errorMessage>Exception …</errorMessage>
  </account>
```

Mandatory attributes in Response

- billingId
- status

Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Expire Customer, Account Actions Control

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Extend Trial Account

Request

POST */account-provisioning/account/1.0/extendAccount/<billingId>*
Content Type Header: application/x-www-form-urlencoded

Definition

- Support for extending a trial account or an expired account.
- Only trial and expired accounts can be specified.
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account
- Customer account Billing ID specified is in the partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
customerBillingId	Required	Billing ID of trial account for which trial period is to be extended.
days	Optional	• This is integer field and would indicate number of days trial gets extended by. This is additive to existing period. • Possible values: Any positive value less than 90 days. • Default behavior would be to extend by partner account default trial period.

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/extendAccount/1101234?customerBillingId=1101235*

Sample Response

```
<account>
        <billingId>1101234</billingId>
        <status>0</status> ## 1:success; 0:error
        <errorCode>1001</errorCode>
        <errorMessage>Exception …</errorMessage>
  </account>
```

Mandatory attributes in Response

- billingId
- status

Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Extend Trials, Account Actions Control

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Get Customer Accounts

Request

POST /account-provisioning/account/1.0/searchCustomers/<partnerBillingId>

Definition

- Returns all customer and partner accounts directly under a Partner Billing account. Note: Only customer accounts directly under this account is listed
- **This API is available only for Partner administrator account.**
- Return Access Denied error if web-service is executed for a customer Account
- Results are sorted by descending order of "Created On"

Parameters

Parameter Name	Required / Optional	Description
partnerBillingId	Required	Billing ID of a partner for which the customer account list is to be retrieved.
childPartnerBillingID	Optional	Billing ID of the child partner (for which this api should be executed) under the Parent Partner (partnerBillingId). If this param is not provided, partnerBillingId will be considered for executing this api.
partialAccountName	Optional	Partial (Starts with) or full Customer Account Name string to be searched for
externalAccountID	Optional	Account ID for the customer in Partner's Billing system. Used for mapping accounts from Partner's system to MaaS360.
accountStatus	Optional	Possible values: - Trial - Customer - Expired By default, all accounts are returned
pageSize	Optional	Limit number of devices returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/searchCustomers/1101234?accountStatus=Trial*

Sample Response

```
<accounts>
        <count>924</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <account>
                <billingID>1101234</billingID>
                <accountType>PARTNER</accountType> ## or CUSTOMER
                <customerName>Example Corp</customerName>
                <accountStatus>Trial</accountStatus> ## Trial, Customer, Expired
                <creationBy>Registration Process<creationBy>
                <creationDate>10/10/2016<creationDate>
```

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```
        <trialDuration>60</trialDuration> ## of days for trial accounts, null in case of customers
        <trialExpiryDate>08/06/2017</trialExpiryDate> ## date when this account expires in
    case of trial, null in case of customer
        <customerConversionDate>2016-10-03T00:00:00Z</customerConversionDate> ## date
    when this account got converted to a customer account, in case of customer; null, otherwise
        <committedLicenseCount>100</committedLicenseCount> ## -1 for null & otherwise
    integer value
        <service>MDM</service>
        <primaryAdminEmail>admin@example.com</primaryAdminEmail>
        <defaultLanguage>English</defaultLanguage>
        <externalAccountID>A1B2C3</externalAccountID>
        <corporateId>ExampleCo</corporateId>
    </account>
</accounts>
```


Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Onboard Partners

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Get Customer Account Configuration

Request

POST /account-provisioning/account/1.0/getCustomerConfig/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Return account details for an existing customer or trial account
- This API is available both for Customer and Partner administrator account.
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
customerBillingId	Required	Billing ID of customer for which the account information is to be retrieved.

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/getCustomerConfig/1101234?customerBillingId=1101235*

Sample Response

```
<account>
        <billingId>1101234</billingId>
        <country>India</country>
        <customerName>Example Corp</customerName>
        <accountStatus>Trial</accountStatus> ## Trial, Customer, Expired
        <committedLicenseCount>100</committedLicenseCount> ## -1 for null & otherwise integer value
        <trialDuration>60</trialDuration> ## of days for trial accounts, null in case of customers
        <trialExpiryDate>10/12/2016</trialExpiryDate> ## date when this account expires in case of
trial, null in case of customer
        <primaryAdminEmail>admin@example.com</primaryAdminEmail>
        <primaryAdmin>jsmith</primaryAdmin>
        <defaultLanguage>English</defaultLanguage>
        <externalAccountID>naus100101extid</externalAccountID>
        <creationDate>10/13/2016<creationDate>
        <adminEULASetting>0</adminEULASetting> ## One of the four possible values (0-Don't prompt,
1-Force only the first login to accept EULA, 2-Force all admins to accept EULA on first time login, 3-Force
all admins to accept changes to EULA)
        <endUserReacceptEULAEnabled>Yes/No</endUserReacceptEULAEnabled> #1-Yes, 0 -No
        <endUserReacceptEULAReminderDuration>7</endUserReacceptEULAReminderDuration> #days
        <endUserReacceptEULADelayAfterReminder>7</endUserReacceptEULADelayAfterReminder>
#days
        <endUserReacceptEULAAction>0</endUserReacceptEULAAction> ## one of three actions (0- Do
nothing, 1- Selectively Wipe, 2- Remove Control, 3 – Alert User)
        <allocatedSpace>50</allocatedSpace> ## Space in MBs
        <usedSpace>10.56</usedSpace> ##Space in MBs
        <errorCode>1001</errorCode>
        <errorMessage>Exception details</errorMessage>
</account>
```

Mandatory attributes in Response

- billingId
- accountStatus

Access Control

- Customer Properties: Enable Provision New Customer

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- Access Rights: Onboard Customers

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Set Customer Account Configuration

Request

POST /account-provisioning/account/1.0/setCustomerConfig/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Configure customer account settings
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
customerBillingId	Required	Billing ID of customer for which the account information is provided
externalAccountID	Optional	ID of a partner's customer, unique only in the partner's scope
committedLicenseCount	Required	Committed number of licenses for this customer id
adminEULASettings	Required	One of the following 4 values 0-Don't prompt 1-Force only the first login to accept EULA 2-Force all admins to accept EULA on first time login 3-Force all admins to accept changes to EULA
endUserReacceptEULAEnabled	Required	• This customer account has enforced end users to re-accept EULA when the applicable EULA changes • Possible values (Yes/No)
endUserReacceptEULAReminderDuration	Required if endUserReacceptEULAEnabled is set to "Yes"	• This field indicates the duration after which end user would get a reminder to re-accept EULA in case he/she hasn't done so yet. • Possible Value:2,7,15,30 Days
endUserReacceptEULADelayAfterReminder	Required if endUserReacceptEULAEnabled is set to "Yes"	• If the user doesn't re-accept the EULA even after the reminder, this field indicates the delay after the reminder for marking the user out of EULA compliance and take specified action on all devices belonging to this user. • Possible Value: 2,7,15,30

endUserReacceptEULAAction	Required if endUserReacceptEULAEnabled is set to "Yes"	• This field indicates the action to be taken on all devices belonging to user in case the user has not accepted EULA
		• Possible values
		  ○ 0 - Do Nothing
		  ○ 1 - Selective Wipe
		  ○ 2- Remove Control

country	Optional	Country name or country code where the customer account is located. For example: India or IN

allocatedSpace	Optional	• Values are in MBs
		• Possible values:
		  ○ 10
		  ○ 50
		  ○ 100
		  ○ 500

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Parameter Name	Required / Optional	Description
		○ 1000 ○ 5000 ○ 10000 ○ 25000 ○ 50000 ○ 100000
defaultLanguage	Optional	ISO language code: cs, de, en, es, fr, it, ja, ko, nl, pl, pt, ru, zh-CN, zh-TW
customerVertical	Optional	Customer Vertical for which the account information is provided. Possible values: • *CONSUMER* • *EDUCATION* • *FINANCIAL_SERVICES* • *HEALTHCARE* • *MANUFACTURING* • *PUBLIC_SECTOR* • *PROFESSIONAL_SERVICES* • *OTHERS*

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/setCustomerConfig/1101234?customerBillingId=1101235?committedLicenseCount=1&adminEULASettings=0&endUserReacceptEULAEnabled=No*

Sample Response

```
<account>
    <billingId>1101234</billingId>
    <status>0</status> ## 1:success; 0:error
    <description>Details of customer updated successfully</description>
    <errorCode>1001</errorCode>
    <errorMessage>Exception details</errorMessage>
</account>
```

Mandatory attributes in Response

- billingId
- status

Access Control

- Customer Properties: Enable Provision New Customer
- Access Rights: Onboard Customers, Account Actions Control

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Sign Apple MDM CSR request

Request

POST /provisioning-apis/provisioning/1.0/getSignedCSR/<billingId>
Content Type Header: multipart/form-data

Definition

- Takes an unsigned CSR as input and return a signed CSR that can be used to generate Apple Certificate.
- Apple restrictions for generating the unsigned CSR apply - The CSR should be generated on the user's device who is trying to enroll for MDM

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
unsignedCSR	Required	multipart/form-data

Sample Request

POST https://services.fiberlink.com/provisioning-apis/provisioning/1.0/getSignedCSR/*1101234*

The request should contains 1 part
- Part: Name = unsignedCSR; Value = Unsigned CSR

Sample Response

Byte array of signed CSR

Mandatory attributes in Response

- signedCSR

Access Control

- Customer Properties: -
- Access Rights: Service Configuration

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Upload Apple MDM Certificate

Request

POST /provisioning-apis/provisioning/1.0/uploadAppleMDMCert/<billingID>
Content Type Header: multipart/form-data

Definition

- Upload Apple MDM Certificate and Password. The Certificate will be uploaded as a file
- Validate the Certificate before saving this.
- If an existing Apple MDM Certificate exists, then this overrides the existing content

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the Customer account for which the Apple MDM Certificate is to be uploaded

Sample Request

POST *https://services.fiberlink.com/provisioning-apis/provisioning/1.0/uploadAppleMDMCert/1101234*

The request should contain 2 parts
- Part1: Name = appleMDMCertFile; Value = App MDM Certificate file
- Part2: Name = certPassword; Value = password

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Apple MDM Certificate has been uploaded successfully</description>
        <certExpiryDate>2016-09-23T09:41:01.000 GMT</certExpiryDate>
        <certTopic>com.apple.mgmt.External.711f921c-84ef-4a27-a930-e19884dad4bf</certTopic>
</actionResponse>
```

Mandatory attributes in Response

- status
- certTopic
- certExpiryDate

Access Control

- Customer Properties: -
- Access Rights: Services Configuration

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Get Device Enrollment Settings

Request

GET /provisioning-apis/provisioning/1.0/getDeviceEnrollSettings/<billingID>

Definition

- Return the following Device Enrollment Settings
  - Corporate Identifier
  - User Authentication Mode
  - Device Platforms allowed to Enroll
  - Prompt user to accept usage policy
  - Corporate Support information
  - Alert administrator on device enrollment

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed

Sample Request

https://services.fiberlink.com/provisioning-apis/provisioning/1.0/getDeviceEnrollSettings/1007463

Sample Response

```
<enrollSettings>
        <corporateID>EXAMPLECO</corporateID>
        <userAuthenticationMode>0</userAuthenticationMode>
        <adEnrollURL>https://m.dm/EXAMPLECO</adEnrollURL>
        <defaultDomain>acme</defaultDomain>
        <allowedDevicePlatforms>iPhone,iPad</allowedDevicePlatforms>
        <promptUsagePolicy>Yes</promptUsagePolicy>
        <usagePolicyURL>http://services.fiberlink.com/usagePolicy/1009081</usagePolicyURL>
        <corpSupportEmail>support@example.com</corpSupportEmail>
        <corpSupportPhone>1-800-123-1234</corpSupportPhone>
        <alertAdmin>Yes</alertAdmin>
        <deviceTypesAlert>1</deviceTypesAlert>
        <alertEmailAddresses>admin@example.com</alertEmailAddresses>
</enrollSettings>
```

Mandatory attributes in Response

- corporateID
- userAuthenticationMode

Access Control

- Customer Properties: -
- Access Rights: Service Configuration

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Configure Device Enrollment Settings

Request

POST /provisioning-apis/provisioning/1.0/configureDeviceEnrollSettings/<billingID>
Content Type Header: multipart/form-data

Definition

- Configure the following Device Enrollment Settings
  - Corporate Identifier
  - User Authentication Mode
  - Device Platforms allowed to Enroll
  - Prompt user to accept usage policy
  - Corporate Support information
  - Alert administrator on device enrollment
- If any setting below is not mentioned, then the value for this setting will be cleared. To retain the old value, the setting will need to be specified again with the old value.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
corporateID	Optional	Corporate Identifier for the account
userAuthenticationMode	Optional	Possible values: 0: Passcode 1: Corporate Active Directory 2: Two factor authentication 3: SAML 4: MaaS360 Local Account
defaultDomain	Optional	Relevant only if userAuthenticationMode = 2 or 3
allowedDevicePlatforms	Optional	Comma separated list of values Possible values: iPhone iPad iPod Android OS X BlackBerry Windows Phone
promptUsagePolicy	Optional	Possible values: Yes, No
usagePolicy	Optional	Required if promptUsagePolicy = Yes. This file is the file that is uploaded.
corpSupportEmail	Optional	
corpSupportPhone	Optional	
alertAdmin	Optional	Possible values: Yes, No
deviceTypesAlert	Optional	Possible values: 0: All Devices 1: Smartphones & Tablets only 2: Laptops & Desktops only
alertEmailAddresses	Optional	If alertAdmin = Yes, then at least 1 value is required.

Sample Request

POST *https://services.fiberlink.com/provisioning-apis/provisioning/1.0/configureDeviceEnrollSettings/1101234*

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The request should contain 2 parts
- Part1: Name = config_enroll_settings; Value = XML file for attributes other than Usage Policy file
  Format for the XML is as follows:

```
<Customer>
    <corporateID>him53</corporateID>
    <userAuthenticationMode>1</userAuthenticationMode>
    <defaultDomain>testADDomain</defaultDomain>
    <allowedDevicePlatforms>iPhone,iPad,iPod,Android</allowedDevicePlatforms>
    <corpSupportEmail>support@example.com</corpSupportEmail>
    <corpSupportPhone>123456</corpSupportPhone>
    <promptUsagePolicy>Yes</promptUsagePolicy>
    <alertAdmin>Yes</alertAdmin>
    <deviceTypesAlert>1</deviceTypesAlert>
    <alertEmailAddresses>admin@example.com</alertEmailAddresses>
</Customer>
```

- Part2: Name = usagePolicy; Value = usage policy file

Sample Response

```
<ActionResponse>
  <description>Device Enrollment Settings configured successfully.</description>
  <responseCode>200</responseCode>
  <status>success</status>
</ActionResponse>
```

Mandatory attributes in Response

- status

Access Control

- Customer Properties: -
- Access Rights: Services Configuration

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Provision New Partner Account

Request

POST /account-provisioning/account/1.0/createPartnerAccount/<billingID>
Content Type Header: application/x-www-form-urlencoded

Definition

- Create a new Partner account and configure all account setup information. For the primary administrator account created, change temporary password and set profile steps are skipped.
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Billing ID specified as a parameter is the Parent Partner account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the Partner account under which the new Partner account should be created
uniquePartnerNameInMaaS360	Required	Unique Partner Name used within MaaS360
partnerDisplayName	Required	Partner Name used for branding purposes in the portal
partnerCode	Required	Unique 4 to 8 characters long (alphanumeric) code to identify the partner in the Service Registration URL.
templateAccountID	Optional	Billing ID of the template Account. If left blank, use the Parent Account as the template Account. Also, if specified, then check that the specified Template Account is in the scope of provided credentials
adminEmailAddress	Required	Email Address of the primary administrator for the account
country	Optional	Country name or country code where the customer account is located. For example: India or IN
password	Optional	If specified, this will be set for the Administrator account. Else, an autogenerated password will be set
allowPortalLogin	Optional	Possible Options: 0 – Admin account cannot be used to log into portal. This is for webservice only 1 – Admin account can be used for both portal login & webservice (Default)
multipleAccountEmailDomains	Optional	Comma separated list of email domains for which multiple customer accounts can be created. In this case, the account name instead of email address, will be <<BillingID>>_Email Prefix.
leadNotificationEmailAddress	Required	Email address to which new customer account creation notification emails should be sent
sendWelcomeEmail	Optional	Whether to send Welcome Email from MaaS360 or not. Default = Yes

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/createPartnerAccount/1101234?uniquePartnerNameInMaaS360=Demo Customer1&partnerDisplayName=DemoCustomer1&partnerCode=demozone&adminEmailAddress=abc@example.com&leadNotificationEmailAddress=abc@example.com*

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Sample Response

```
<account>
        <billingID>2001234</billingID>
        <accountName>Demo Customer1</accountName>
        <parentBillingID>1101234</parentBillingID>
        <adminUsername>2001234_admin</adminUsername>
        <adminPassword>a1b2c3d4</adminPassword> ## Only when autogenerated
        <trialRegistrationURL>
https://portal.fiberlink.com/tryMDM/SK_TELK_MDM_C</trialRegistrationURL>
</account>
```

Mandatory attributes in Response

- billingID
- accountName
- parentBillingID
- adminUsername
- trialRegistrationURL

Access Control

- Customer Properties: Enable Partner Onboarding
- Access Rights: Onboard Partner, Account Actions Control

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Get Partner Account Configuration

Request

POST /account-provisioning/account/1.0/getPartnerAccountConfig/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Return account details for a partner account
- End User EULA Settings will be returned in response only if the endUserReacceptEULAEnabled is set to "Yes"
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
parnterBillingId	Required	Billing ID of partner for which the account information is expected.

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/getPartnerAccountConfig/1101234?partnerBillingId=1101234*

Sample Response

```
<account>
        <partnerBillingId>1101234</partnerBillingId>
        <partnerUniqueName>ExampleCo Master Account</partnerUniqueName>
        <partnerDispalyName> ExampleCo Master Account</partnerDispalyName>
        <partnerCode>SK</partnerCode>
        <primaryAdminEmail>admin@example.com</primaryAdminEmail>
        <primaryAdmin>admin_master</primaryAdmin>
        <trialURL>https://portal.fiberlink.com/tryMDM/SK_CCAS_MDM_C</trialURL>
        <leadNotificationEmail>abc@fiberlink.com<l/eadNotificationEmail>
        <trialDuration>60</trialDuration> ## of days for trial accounts, null in case of customers
        <specialDomains>abc.com, pqr.com</specialDomains> ## comma separated domains
        <adminEULASetting>0</adminEULASetting> ## One of the four possible values (0-Don't prompt,
1-Force only the first login to accept EULA, 2-Force all admins to accept EULA on first time login, 3-Force
all admins to accept changes to EULA)
        <endUserReacceptEULAEnabled>Yes/No</endUserReacceptEULAEnabled>
        <endUserReacceptEULAReminderDuration>7</endUserReacceptEULAReminderDuration> #days
        <endUserReacceptEULADelayAfterReminder>7</endUserReacceptEULADelayAfterReminder>
#days
        <endUserReacceptEULAAction>0</endUserReacceptEULAAction> ## one of three actions (0- Do
nothing, 1- Selectively Wipe, 2- Remove Control, 3 – Alert user)
        <errorCode>1001</errorCode>
        <errorMessage>Exception details</errorMessage>
</account>
```

Mandatory attributes in Response

- partnerBillingId

Access Control

- Customer Properties: Enable Provision New Partner
- Access Rights: All rights related to Onboarding

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Set Partner Account Configuration

Request

POST /account-provisioning/account/1.0/setPartnerAccountConfig/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Configure partner account settings
- Credentials specified for authentication should be for a Partner account.
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
partnerBillingId	Required	Billing ID of partner for which the account information is provided
specialDomain	Optional	Comma Separated values of domains. Only applicable to partners
leadNotificationEmail	Required	Emails for notifying if new customers/trial sign up under the partner hierarchy
trialDuration	Required	Integer field – Indicates number of days for which trial account is valid. Default Trail period for customer accounts created under this partner account Possible Values: 15, 30, 45, 60, 75, 90
adminEULASettings	Required	One of the following 4 values 0-Don't prompt 1-Force only the first login to accept EULA 2-Force all admins to accept EULA on first time login 3-Force all admins to accept changes to EULA
endUserReacceptEULAEnabled	Required	• This customer account has enforced end users to re-accept EULA when the applicable EULA changes • Possible values (Yes/No)
endUserReacceptEULAReminderDuration	Required if endUserReacceptEULAEnabled is set to "Yes"	• This field indicates the duration after which end user would get a reminder to re-accept EULA in case he/she hasn't done so yet. • Possible Value:2,7,15,30 Days
endUserReacceptEULADelayAfterReminder	Required if endUserReacceptEULAEnabled is set to "Yes"	• If the user doesn't re-accept the EULA even after the reminder, this field indicates the delay after the reminder for marking the user out of EULA compliance and take specified action on all devices belonging to this user. • Possible Value: 2,7,15,30

endUserReacceptEULAAction	Required if endUserReacceptEULAEnabled is set to "Yes"	• This field indicates the action to be taken on all devices belonging to user in case the user has not accepted EULA
		• Possible values
		  ○ 0 - Do Nothing
		  ○ 1 - Selective Wipe
		  ○ 2- Remove Control

country	Optional	Set the country code for the partner account. For example: India or IN See page 143 for a list of country codes.

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Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/setPartnerAccountConfig/1101234?partnerBillingId=1101234&leadNotificationEmail=abc@example1.com&trialDuratio=75&adminEULASettings=1&endUserReacceptEULAEnabled=No*

Sample Response

```
<account>
    <partnerBillingId>1101234</partnerBillingId >
    <country>US</country>
    <status>0</status> ## 1:success; 0:error
    <description>Details of customer updated successfully</description>
    <errorCode>1001</errorCode>
    <errorMessage>Exception details</errorMessage>
</account>
```

Mandatory attributes in Response

- partnerBillingId
- status

Access Control

- Customer Properties: Enable Provision New Partner
- Access Rights: Onboard Partners, Account Actions Control

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Get Customer's Allowed Services

Request

GET /account-provisioning/service/1.0/getServicesInfo/< loggedInUserbillingId>?<parameters>
Content Type Header: application/x-www-form-urlencoded

Definition

- Returns the set of services that can be enabled for a customer.
- The Billing ID specified in the request and credentials specified for authentication should be for a customer account.
- Billing ID specified as a parameter is the child of the Partner account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
loggedInUserbillingId	Required	Billing ID of the query's account
customerBillingId	Required	Billing ID of the customer account
serviceKey	Optional	Use to check for a specific service.

Sample Request

POST *https://services.fiberlink.com/account-provisioning/service/1.0/getServicesInfo/1224321 ?loggedInUserbillingId=1224321&customerBillingId=1224321*

Sample Response


```
<response>
<status>SUCCESS</status>
<count>13</count>
<services>
<service>
<serviceKey>ACT_SYNC</serviceKey>
<description>Enable Exchange and Office365 integration</description>
<status>Disabled</status>
<inputs/>
<childServices/>
</service>
<service>
<serviceKey>BES</serviceKey>
<description>Enable Blackberry enterprise server integration</description>
<status>Disabled</status>
<inputs/>
<childServices/>
</service>
<service>
<serviceKey>DOCS_SERVICE</serviceKey>
<description>Documents management and distribution capability for a wide range of devices. </description>
<status>Enabled</status>
<inputs/>
<childServices>
<service>
<serviceKey>CONTENT_SYNC_USER</serviceKey>
<description>Enable content sync for user</description>
<parentServiceKey>DOCS_SERVICE</parentServiceKey>
<status>Disabled</status>
<inputs/>
<childServices/>
</service>
```


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```
</childServices>
</service>
</services>
</response>
```

Sample Error Response

```
<response>
<errorCode>NOT_IN_HIERARCHY</errorCode>
<errorMsg>Selected Customer 1224321 is not in hierarchy of parent: 1004952</errorMsg>
</response>
```

Response Definitions

ServiceKey	Description	Parent Service
MDM	Does not enable SPS or EAS	
ACT_SYNC	Exchange and Office365 integration. Manages only via mail and are not enrolled in MDM.	
MAM_INT	Mobile Application Management	
SECURE_BROWSER	Secure Browser	
SECURE_EMAIL	Secure email	
APP_WRAPPING		
WINDOWS_FILE_SHARE	Connect to a Sharepoint through the MEG	
SB_INTRANET_ACCESS	Use the Secure Browser through the MEG	
BES	Blackberry enterprise server integration	
DOCS_SERVICE	Documents management and distribution	
RPAS	Email Access Gateway	
TEM	Mobile expense management to track mobile data usage	
MDM_C	Mobile Device Management	
ENTERPRISE_GATEWAY	MaaS360 gateway	
EUP	End User Portal	
ACT_SYNC_NOTES	IBM Traveler and IBM Connections Cloud integration	
CONTENT_SYNC_USER	Content sync for user	DOCS_SERVICE
SECURE_EDITOR	Secure editor (enables Viewer on Android)	DOCS_SERVICE
SECURE_VIEWER	Secure Viewer	DOCS_SERVICE
DV	Visibility services for Mac desktops and laptops	
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	WINDOWS_DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	WINDOWS_DTM_C
MAC	Management for Mac desktops and laptops	
MAC_V	Visibility services for Mac desktops and laptops	
WINDOWS_DTM_C	Management for Windows desktops and laptops	
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	WINDOWS_DTM_C
EUP_ADD_DEVICE	Show/hide Add Device Request Action in EUP	EUP
APP_SECURITY	Mobile App security	MAM_INT
MALWARE_DETECT	Threat management, Trusteer	MAM_INT
WP_APP_SECURITY	Workplace app security	MAM_INT
ANDROID_MDM_C	Android device management	MDM_C
BB_MDM	BlackBerry Device management	MDM_C
IPHONE_MDM_C	IOS device management	MDM_C
WIN_MOBILE	Manage Windows 8 devices	MDM_C
WIN7_PHONE	Manage Windows 7 phones	MDM_C
WINDOWS_PHONE_MDM_C	Manage Windows 10 devices	MDM_C

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ServiceKey	Description	Parent Service
SB_INTRANET_ACCESS	Secure browser gateway	SECURE_BROWSER
SB_URL_FILTERING	URL filtering for Secure Browser	SECURE_BROWSER
WINDOWS_SECURE_BROWSER	Windows secure browser	SECURE_BROWSER
MAIL_CAL_APNS	Push notifications	SECURE_MAIL
SECURE_CHAT	Secure chat. This needs Secure Email to be enabled.	SECURE_MAIL

Mandatory attributes in Response

- status
- count
- service

Access Control

- Customer Properties: Enable Web Services
- Access Rights: Registration Portal workflows

Enable a Service for a Customer

Request

POST /account-provisioning/service/1.0/enableService/<billingID>?<serviceKey>&<customerBillingId>

Content Type Header: application/x-www-form-urlencoded
Accept: application/json OR **Accept: application/xml**

Definition

- A Partner can enable a service for a specified customer.
- The Billing ID specified in the request and credentials specified for authentication can be for a Partner or Simple Customer account.
- Billing ID specified as a parameter is the Parent of the customer account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the logged in Partner account
serviceKey	Required	See table “Parameter Keys” for allowed values.
customerBillingId	Required	Billing ID of the customer account

Parameter Keys

ServiceKey	Description	Parent Service
MDM	Does not enable SPS or EAS	
ACT_SYNC	Exchange and Office365 integration. Manages only via mail and are not enrolled in MDM.	
MAM_INT	Mobile Application Management	
SECURE_BROWSER	Secure Browser	
SECURE_EMAIL	Secure email	
APP_WRAPPING		

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ServiceKey	Description	Parent Service
WINDOWS_FILE_SHARE	Connect to a Sharepoint through the MEG	
SB_INTRANET_ACCESS	Use the Secure Browser through the MEG	
BES	Blackberry enterprise server integration	
DOCS_SERVICE	Documents management and distribution	
RPAS	Email Access Gateway	
TEM	Mobile expense management to track mobile data usage	
MDM_C	Mobile Device Management	
ENTERPRISE_GATEWAY	MaaS360 gateway	
EUP	End User Portal	
ACT_SYNC_NOTES	IBM Traveler and IBM Connections Cloud integration	
CONTENT_SYNC_USER	Content sync for user	DOCS_SERVICE
SECURE_EDITOR	Secure editor (enables Viewer on Android)	DOCS_SERVICE
SECURE_VIEWER	Secure Viewer	DOCS_SERVICE
DV	Visibility services for Mac desktops and laptops	
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	WINDOWS_DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	WINDOWS_DTM_C
MAC	Management for Mac desktops and laptops	
MAC_V	Visibility services for Mac desktops and laptops	
WINDOWS_DTM_C	Management for Windows desktops and laptops	
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	WINDOWS_DTM_C
EUP_ADD_DEVICE	Show/hide Add Device Request Action in EUP	EUP
APP_SECURITY	Mobile App security	MAM_INT
MALWARE_DETECT	Threat management, Trusteer	MAM_INT
WP_APP_SECURITY	Workplace app security	MAM_INT
ANDROID_MDM_C	Android device management	MDM_C
BB_MDM	BlackBerry Device management	MDM_C
IPHONE_MDM_C	IOS device management	MDM_C
WIN_MOBILE	Manage Windows 8 devices	MDM_C
WIN7_PHONE	Manage Windows 7 phones	MDM_C
WINDOWS_PHONE_MDM_C	Manage Windows 10 devices	MDM_C
SB_INTRANET_ACCESS	Secure browser gateway	SECURE_BROWSER
SB_URL_FILTERING	URL filtering for Secure Browser	SECURE_BROWSER
WINDOWS_SECURE_BROWSER	Windows secure browser	SECURE_BROWSER
MAIL_CAL_APNS	Push notifications	SECURE_MAIL
SECURE_CHAT	Secure chat. This needs Secure Email to be enabled.	SECURE_MAIL

Sample Request

POST *https://services.fiberlink.com/account-provisioning/service/1.0/enableService/1101234?serviceKey=MEM&customerBillingId=1224321*

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Sample Response

```
<serviceResponse>
   <status>SUCCESS</status>
   <customerBillingId>1224321</customerBillingId>
   <serviceKey>CONTENT_SYNC_USER</serviceKey>
</serviceResponse>
```

Mandatory attributes in Response

- status
- customerBillingId
- serviceKey

Sample Error Response

```
<serviceResponse>
   <status>FAILED</status>
   <errorCode>REQUIRED_PARAMETER_MISSING</errorCode>
   <errorMsg>Service Key is required for enabling service : 4169009</errorMsg>
</serviceResponse>
```

```
<serviceResponse>
   <status>FAILED</status>
   <customerBillingId>4169009</customerBillingId>
   <serviceKey>CONTENT_SYNC_USER</serviceKey>
   <errorCode>NOT_A_SIMPLE_CUSTOMER</errorCode>
   <errorMsg>Selected customer with billing id: 75869 is not a Simple Customer</errorMsg>
</serviceResponse>
```

Other errors include:

- INVALID_CUSTOMER
- INVALID_SERVICE_KEY
- SERVICE_ALREADY_ENABLED
- PARENT_SERVICE_NOT_ENABLED
- NOT_IN_HIERARCHY

Access Control

- Customer Properties: Enable Web Service
- Access Rights: Registration Portal workflows

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Disable a Service for a Customer

Request

POST /account-provisioning/service/1.0/disableService/<billingID>?<serviceKey>&<customerBillingId>

Content Type Header: application/x-www-form-urlencoded
Accept: application/json OR **Accept: application/xml**

Definition

- A Partner can disable a service for a specified customer.
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Billing ID specified as a parameter is the Parent of the customer account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the logged in Partner account
serviceKey	Required	See table “Parameter Keys” for allowed values.
customerBillingId	Required	Billing ID of the customer account

Parameter Keys

ServiceKey	Description	Parent Service
MDM	Does not enable SPS or EAS	
ACT_SYNC	Exchange and Office365 integration. Manages only via mail and are not enrolled in MDM.	
MAM_INT	Mobile Application Management	
SECURE_BROWSER	Secure Browser	
SECURE_EMAIL	Secure email	
APP_WRAPPING		
WINDOWS_FILE_SHARE	Connect to a Sharepoint through the MEG	
SB_INTRANET_ACCESS	Use the Secure Browser through the MEG	
BES	Blackberry enterprise server integration	
DOCS_SERVICE	Documents management and distribution	
RPAS	Email Access Gateway	
TEM	Mobile expense management to track mobile data usage	
MDM_C	Mobile Device Management	
ENTERPRISE_GATEWAY	MaaS360 gateway	
EUP	End User Portal	
ACT_SYNC_NOTES	IBM Traveler and IBM Connections Cloud integration	
CONTENT_SYNC_USER	Content sync for user	DOCS_SERVICE
SECURE_EDITOR	Secure editor (enables Viewer on Android)	DOCS_SERVICE
SECURE_VIEWER	Secure Viewer	DOCS_SERVICE
DV	Visibility services for Mac desktops and laptops	
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	WINDOWS_DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	WINDOWS_DTM_C
MAC	Management for Mac desktops and laptops	
MAC_V	Visibility services for Mac desktops and laptops	

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ServiceKey	Description	Parent Service
WINDOWS_DTM_C	Management for Windows desktops and laptops	
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	WINDOWS_DTM_C
EUP_ADD_DEVICE	Show/hide Add Device Request Action in EUP	EUP
APP_SECURITY	Mobile App security	MAM_INT
MALWARE_DETECT	Threat management, Trusteer	MAM_INT
WP_APP_SECURITY	Workplace app security	MAM_INT
ANDROID_MDM_C	Android device management	MDM_C
BB_MDM	BlackBerry Device management	MDM_C
IPHONE_MDM_C	IOS device management	MDM_C
WIN_MOBILE	Manage Windows 8 devices	MDM_C
WIN7_PHONE	Manage Windows 7 phones	MDM_C
WINDOWS_PHONE_MDM_C	Manage Windows 10 devices	MDM_C
SB_INTRANET_ACCESS	Secure browser gateway	SECURE_BROWSER
SB_URL_FILTERING	URL filtering for Secure Browser	SECURE_BROWSER
WINDOWS_SECURE_BROWSER	Windows secure browser	SECURE_BROWSER
MAIL_CAL_APNS	Push notifications	SECURE_MAIL
SECURE_CHAT	Secure chat. This needs Secure Email to be enabled.	SECURE_MAIL

Sample Request

POST *https://services.fiberlink.com/account-provisioning/service/1.0/disableService/1101234?serviceKey=MEM&customerBillingID=1224321*

Sample Response

```
<serviceResponse>
   <status>SUCCESS</status>
   <customerBillingId>4169009</customerBillingId>
   <serviceKey>CONTENT_SYNC_USER</serviceKey>
</serviceResponse>
```

Mandatory attributes in Response

- status
- customerBillingId
- serviceKey

Sample Error Response

```
<serviceResponse>
        <status>FAILED</status>
        <errorCode>REQUIRED_PARAMETER_MISSING</errorCode>
        <errorMsg>Service Key is required for disabling service : 4169009</errorMsg>
</serviceResponse>

<serviceResponse>
        <status>FAILED</status>
        <serviceKey>CONTENT_SYNC_USER</serviceKey>
        <errorCode>REQUIRED_PARAMETER_MISSING</errorCode>
        <errorMsg>customerBillingId is required for disabling service : CONTENT_SYNC_USER</errorMsg>
</serviceResponse>

<serviceResponse>
        <status>FAILED</status>
        <customerBillingId>416900987</customerBillingId>
        <serviceKey>CONTENT_SYNC_USER</serviceKey>
```

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```
        <errorCode>NOT_A_SIMPLE_CUSTOMER</errorCode>
        <errorMsg>Selected customer with billing id: 9798638is not a Simple Customer</errorMsg>
</serviceResponse>
```


Other errors include:

- INVALID_CUSTOMER
- INVALID_SERVICE_KEY
- SERVICE_KEY_NOT_ENABLED
- SERVICE_KEY_NOT_VISIBLE
- NOT_IN_HIERARCHY

Access Control

- Customer Properties: Allow Disable Services, Enable Web Services
- Access Rights: Registration Portal

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Get User's Enabled Services

Request

GET /account-provisioning/accountreporting/1.0/getUserReport/<billingID>?<parameters>
Content Type Header: application/x-www-form-urlencoded
Accept: application/json OR application/xml

Definition

- Return a user, associated devices, and the services enabled for each device.
- Either a user name or a phone number is required.
- The Billing ID specified in the request and credentials specified for authentication should be for a Partner account.
- Billing ID specified as a parameter is the Parent of the customer account and will be to be a part of partner hierarchy (directly or indirectly) of the account whose credentials is specified for authentication
- Return Access Denied error if webservice is executed for a customer Account

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the Partner account
custBillingId	Required	Billing ID of the Customer account
username	Required*	*Either a user name or a phone number is required.
phoneNumber	Required*	*Either a user name or a phone number is required.

Sample Request

GET *https://services.fiberlink.com/account-provisioning/accountreporting/1.0/getUserReport/1101234?username=johndoe*

Sample Response


```
<response>
	<custbillingId>1101234</custbillingId>
	<users>
		<user>
			<username>johndoe</username>
			<deviceCount>2</deviceCount>
			<devices>
				<device>
					<CSN>ANDROID9cf3876c63a8</CSN>
					<services>
						<service>DOC</service>
						<service>EAS</service>
					</services>
					<phoneNumber>Not Available</phoneNumber>
				</device>
				<device>
					<CSN>SEC1c2690863109a</CSN>
					<services>
						<service>MDM</service>
						<service>SEB</service>
					</services>
					<phoneNumber>Not Available</phoneNumber>
				</device>
			</devices>
		</user>
	</users>
```


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</response>

Sample Error Response

<response>
<errorCode> INPUT_NOT_VALID </errorCode>
<errorMsg>Customer Billing ID 1101234 is not valid</errorMsg>
</response>

<response>
<errorCode>REQUIRED_PARAMETER_MISSING</errorCode>
<errorMsg> At least one of the parameters, username or phone number, is required for getting reports
</errorMsg>
</response>

Other errors include:

- INPUT_COMBINATION_HAS_NO_DEVICES
- NOT_A_SIMPLE_CUSTOMER

Response Definitions

ServiceKey	Full Name	Notes
MDM	Mobile Device Management	Devices managed by MDM, not including SPS or EAS devices, are counted.
ACT_SYNC	Email Managed (ActiveSync) Devices	Devices that are managed only via mail and are not enrolled in MDM are counted.
MAM_INT	Mobile App Management	Devices that have the app catalog available on the device, and have at least one app deployed are counted.
TEM	Mobile Expense Management	Devices that have a MEM data plan assigned to them are counted.
MALWARE_DETECT	Mobile Threat Management	Devices that have Trusteer activated and in use are counted.
CON	Mobile Content Cloud	Exists for billing purposes, does not require enable service option.
SECURE_BROWSER	Secure Browser	Devices that have Secure Browser installed are counted.
SECURE_EMAIL	Secure Mail	Devices that have Secure Mail installed are counted.
SECURE_CHAT	Secure Chat	Devices that have Secure Chat installed are counted.
APP_WRAPPING	App Security	Devices with App Wrapping enabled are counted
DOC	Mobile Content Management	Every active device is counted.
SECURE_EDITOR	Secure Editor	Devices that have Secure Editor installed are counted.
CONTENT_SYNC_USER	Secure Doc Sync	Devices that have Secure Doc Sync enabled are counted.
WINDOWS_FILE_SHARE	MEG – Docs	Devices that connect to a Sharepoint through the MEG are counted.
SB_INTRANET_ACCESS	MEG – Browser	Devices that use the Secure Browser through the MEG are counted.
WP_APP_SECURITY	MEG – Apps	Devices that use apps that use the WorkPlace SDK are counted.

Mandatory attributes in Response

- custbillingId

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- CSN (maas360DeviceID)
- username or phonenumber
- device

Access Control

Customer Properties: Enable User Usage Report, Enable Web Service
Access Rights: Portal Manager AccessReporting

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Reporting

Get List of Dashboards

Request

GET /reporting-apis/bi/1.0/getDashboards/{billingId}/

Definition

- Returns a list of dashboards.

Parameters (table)

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
locale	Optional	Locale in which the name of reports and categories are to be displayed
customerBillingID	Optional	Only available for Partner dashboards

Sample Request

GET *https://services.fiberlink.com/reporting-apis/bi/1.0/getDashboards/1101234*

Sample Response

```
<dashboards>
        <count>2</count>
        <dashboard>
                <dashboardName>MDM OVERVIEW</dashboardName >
                <dashboardCode>BI_IA_MDMO</dashboardCode >
        </dashboard >
        <dashboard >
                < dashboardName>PLATFORM</dashboardName >
                <dashboardCode>BI_IA_PLATO</dashboardCode>
        </dashboard >
</dashboards>
```

Access Control

- Customer Properties: New BI - MDM Dashboards or New BI - DTM Dashboards or New BI - Partner Dashboards or New BI - MEM Dashboards
- Access Rights: Reports

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Get Report List For A Dashboard

Request

GET /reporting-apis/bi/1.0/getReport/{billingId}/{dashboardCode}/

Definition

- Return the list of reports available for the requested dashboard

Parameters (table)

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which this api is being executed
dashboardCode	Required	The code of the dashboard for which this api is being executed
locale	Optional	Locale in which the name of filters are to be displayed

Sample Request

GET *https://services.fiberlink.com/reporting-apis/bi/1.0/getReport/1101234/BI_IA_MDMO/*

Sample Response

```
<reports>
<count>4</count>
<report>
   <categoryName>Device Summary</categoryName>
   <reportName>Platform</reportName>
   <reportCode>BI_IA_MDMO_DEVICES_BY_PLATFORM</reportCode>
</report>
<report>
   <categoryName>Device Summary</categoryName>
   <reportName>Managed Status</reportName>
   <reportCode>BI_IA_MDMO_DEVICES_BY_MANAGED_STATUS</reportCode>
</report>
<report>
   <categoryName>Device Summary</categoryName>
   <reportName>Ownership</reportName>
   <reportCode>BI_IA_MDMO_DEVICES_BY_OWNERSHIP</reportCode>
</report>
<report>
   <categoryName>Hardware Details</categoryName>
   <reportName>Details Report</reportName>
   <reportCode>BI_IA_MDMO_DEVICE_DETAILS_REPORT</reportCode>
</report>
</reports>
```

Mandatory attributes in Response

- categoryName
- reportName
- reportCode

Access Control

- Customer Properties: New BI - MDM Dashboards or New BI - DTM Dashboards or New BI - Partner Dashboards or New BI - MEM Dashboards
- Access Rights: Reports

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Download Report Details

Request

GET /reporting-apis/bi/1.0/download/{billingId}/{dashboardCode}{reportCode}

Definition

- Downloads a zipped CSV file with name REPORT_CODE_yyyy-mm-dd-hh-mm.zip containing the details of the specified report
- The credentials specified for authentication change the customerBillingID parameter
- Columns are customized for as specified by the authenticated admin user
- Only one report per account at a time; simultaneous requests result in an error message
- One report can contain a maximum of 250000 records. For App Inventory Device Details Report, which could contain more than 250000 records, the API will need to be called multiple times with different values of startRecord parameter. The startRecord parameter should be 0 for the first request, 250000 for the second request and so on.

Parameters (table)

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which this api is being executed
dashboardCode	Required	The code of the dashboard for which this api is being executed
reportCode	Required	The code of the report for which the details are requested
locale	Optional	Locale in which the name of filters are to be displayed
customerBillingId	Optional	When logged in as Customer admin, it is not required When logged in as Partner admin, it is required
lastReported	Optional	When the device last reported back to MaaS360 portal. Valid values are :[Last 180 Days; Last 7 Days; Last 30 Days; Current & Last Month; Last 60 Days; Last 90 Days]
pageSize	Optional (Only applicable for App Inventory Device Details Report)	The number of records to fetch in the report. Value can be between 1-250000. Default value is 250000
startRecord	Optional (Only applicable for App Inventory Device Details Report)	The starting record for the report. Default value is 0
paginate	Optional (Only applicable for App Inventory Device Details Report)	Decides the API response when there are no more records to return. Valid values are: [True; False], default value is "False". If the value is set to “True”, the API will return empty response body with response code as 204. If the value is set to “False”, the API will return empty response body with response code as 200

Sample Request

GET *https://services.fiberlink.com/reporting-apis/bi/1.0/download/1101234/ BI_IA_MDMO?reportcode= BI_IA_MDMO_DEVICES_BY_PLATFORM*

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Sample Response

Downloads a CSV file with name *BI_IA_MDMO_DEVICES_BY_PLATFORM_2015-09-01-13-22.zip*.

Access Control

- Customer Properties: New BI - MDM Dashboards or New BI - DTM Dashboards or New BI - Partner Dashboards or New BI - MEM Dashboards
- Access Rights: Reports

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Cisco ISE Integration

This section describes integrating MaaS360 with Cisco's Identity Services Engine (ISE). The current version of the REST APIs is supported with ISE 1.4. Partner MDM servers implementing v2 APIs must be backward compatible with the previous v1 APIs.

MDM Server Info

Request

GET https://mdm-server/ciscoise/mdminfo/?ise_api_version=<max_ise_supported_api_version>
Content Type Header: application/x-www-form-urlencoded

Definition

- This API is used to initially add an MDM vendor into ISE and the ISE admin page. This also provides information about the API version used by ISE as a URL query parameter. The MDM server determines which version of the API to use, based on this api version information.
- The URL required for sending the MDM Server Info API request is fixed, since the API path (obtained from the REST webservice response for the MDM Server Info API) is not yet known to ISE.

Parameters

Parameter Name	Required / Optional	Description
ise_api_version	Required	Billing ID of the Partner account for which the customer account should be created

Sample Request

GET *https://mdm-server/ciscoise/mdminfo/?ise_api_version=2*

Sample Response

```
<ise_api>
        <name>mdminfo</name>
        <api_version>3</api_version>
        <api_path>/ise/mdm/api</api_path>
        <redirect_url>http://example.com<redirect_url>
        <query_max_size>3000</query_max_size>
        <messaging_support>true</messaging_support>
        <vendor>Example Co.</vendor>
        <product_name>Example Co. Mobile Device Manager</product_name>
        <product_version>5.5.5</product_version>
</ise_api>
```

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MDM Device Attributes Query

Request

GET /ciscoise/devices/?
Content Type Header: application/x-www-form-urlencoded

Definition

- This API queries device attributes. Each query has a category (MAC address, compliance status), value, and an Attribute filter to determine what information in in the return.
- The maximum number of devices returned is the value of "query_max_size" returned from "MDM Server Info" API (default is 5000).
- The initial call of this API passes paging info "0". If the MDM has more devices than the "query_max_size", it can design its own paging scheme, and returns the paging_info in the response, which will be part of the URL in next call from ISE. If the paging info is "0" in response, or it doesn't return paging info in its response, all the records have been returned.

Parameters

Parameter Name	Required / Optional	Description
paging	Required	0 means first call or all records
querycriteria	Optional	Choose the query criteria category: • macaddress • compliance
value	Optional	Choose the query criteria value: • macaddress - 12 HEX without separator • meid – 14 character HEX code or 10 digit decimal code • udid (Unique Device Identifier) • imei (International Mobile Station Equipment Identity) • compliance - true/false • username - string
filter	Required	Use any number of filters, separated by "+": • all • register_status - Boolean (true/false) • Compliance - Status (true/false), Failure_reason (String), Rememdiation (String) • disk_encryption_on - Boolean (true/false) • pin_lock_on - Boolean (true/false) • jail_broken - Boolean (true/false) • Manufacturer - String • Model - String • Imei - String

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Parameter Name	Required / Optional	Description
		• Meid - String • Udid - String • HTTP - Method Url • serial_number - String • os_version - String • phone_number - String

Sample Request

https://services.fiberlink.com/ciscoise/devices/?paging=0&querycriteria=macaddress&value=000000000000&filter=all
https://services.fiberlink.com/ciscoise/devices/?paging=0&querycriteria=meid&value=1234567890abcd&filter=all
https://services.fiberlink.com/ciscoise/devices/?paging=0&querycriteria=username&value=abcd1234&filter=register_status+compliance_status
https://services.fiberlink.com/ciscoise/devices/?paging=0&querycriteria=compliance&value=false&filter=all
https://services.fiberlink.com/ciscoise/devices/?paging=0&filter=all

Sample Response


```
<ise_api >
        <name>attributes</name>
        <api_version>2</api_version>
        <paging_info>0</paging_info>
        <deviceList>
                <device>
                <macaddress>000000000000</macaddress>
                <attributes>
                        <register_status>true</register_status>
                        <compliance>
                        <status>false<status>
                        <failure_reason>something not compliant</failure_reason>
                        <remediation>instruction on how to rememdiate</remediation>
                        </compliance>
                        <disk_encryption_on>yes</ disk_encryption_on>
                        <pin_lock_on>true</ pin_lock_on>
                        <jail_broken>false</ jail_broken>
                        <manufacturer>Samsung</ manufacturer>
                        <imei>1234567890</imei>
                        <meid>A0123456789012</meid>
                        <udid>2b6f0cc904d137be2e1730235f5664094b831186</udid>
                        <os_version>Android,4.3<os_version>
                </attributes>
                </device>
        <deviceList>
</ise_api>
```


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MDM Device Attributes Query (POST version)

Request

POST /ciscoise/batchdevices/?
Content Type Header: application/x-www-form-urlencoded

Definition

- This is the POST version of the "MDM Device Attributes Query" API. It is functionally equivalent to the "GET" version.
- The "POST" version allows passing multiple values of a particular query criterion. For example, if query criterion is macaddress, then it can pass a list of mac addresses for the query.

Parameters

Parameter Name	Required / Optional	Description
paging	Required	0 means first call or all records
querycriteria	Optional	Choose the query criteria category: • macaddress • compliance
value	Optional	Choose the query criteria value: • macaddress - 12 HEX without separator • meid – 14 character HEX code or 10 digit decimal code • udid (Unique Device Identifier) • imei (International Mobile Station Equipment Identity) • compliance - true/false • username - string
filter	Required	Use any number of filters, separated by "+": • all • register_status - Boolean (true/false) • Compliance - Status (true/false), Failure_reason (String), Rememdiation (String) • disk_encryption_on - Boolean (true/false) • pin_lock_on - Boolean (true/false) • jail_broken - Boolean (true/false) • Manufacturer - String • Model - String • Imei - String • Meid - String • Udid - String • HTTP - Method Url

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Parameter Name	Required / Optional	Description
		• serial_number - String • os_version - String • phone_number - String

Sample Request

https://services.fiberlink.com/ciscoise/batchdevices/paging=0&querycriteria=macaddress&value=000000000000&filter=all

Sample Response

```
<ise_api >
        <name>attributes</name>
        <api_version>2</api_version>
        <paging_info>0</paging_info>
        <deviceList>
                <device>
                <macaddress>000000000000</macaddress>
                <attributes>
                        <register_status>true</register_status>
                        <compliance>
                        <status>false<status>
                        <failure_reason>something not compliant</failure_reason>
                        <remediation>instruction on how to rememdiate</remediation>
                        </compliance>
                        <disk_encryption_on>yes</ disk_encryption_on>
                        <pin_lock_on>true</ pin_lock_on>
                        <jail_broken>false</ jail_broken>
                        <manufacturer>Samsung</ manufacturer>
                        <imei>1234567890</imei>
                        <meid>A0123456789012</meid>
                        <udid>2b6f0cc904d137be2e1730235f5664094b831186</udid>
                        <os_version>Android,4.3<os_version>
                </attributes>
                </device>
        <deviceList>
</ise_api>
```

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MDM Action

Request

POST /ciscoise/action/?
Content Type Header: multipart/form-data

Definition

❖ This API allows ISE to send an action command to the MDM to perform certain actions.

Parameters

Parameter Name	Required / Optional	Description
actionType	Required	Choose the action type, and upload an XML payload: • full_wipe • corporate_wipe • pin_lock

Request payload:

```
<?xml version="1.0" encoding="UTF-8"?>
<ise_api>
        <identifier>
                <macaddress> 000000000000</macaddress>
        </identifier >
</ise_api>
```

Sample Request

https://services.fiberlink.com/ciscoise/action/actionType=pin_lock

Sample Response

```
<ise_api >
        <name>action</name>
        <api_version>2</api_version>
        <deviceList>
                <device>
                        <macaddress>000000000000</macaddress>
                        <result>
                                <action_status>true</register_status>
                                <failure_reason>Not Compliant</failure_reason>
                        </result>
                </device>
        <deviceList>
</ise_api>
```

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Messaging

Request

PUT /ciscoise/sendmessage
Content Type Header: multipart/form-data

Definition

- This API allows ISE to send a message through the MDM to end user mobile devices ifthe MDM has a messaging system that communicates with the devices.
- To use this API, the “MDM Server Info” API needs to return true for “messaging_support”.

Parameters

Parameter Name	Required / Optional	Description
sendmessage	Required	Upload an XML payload for the message

Request payload:

```
<?xml version="1.0" encoding="UTF-8"?>
<ise_api>
        <identifier>
                <macaddress> 000000000000</macaddress>
                <macaddress> 111111111111</macaddress>
        </identifier >
        <message>
                <message_type>Alert</message_type>
                <message_header>Need your action in the next 10 minutes</message_header>
                <message_body>Text body</message_body>
        </message>
</ise_api>
```

Sample Request

https://services.fiberlink.com/ciscoise/sendmessage

Sample Response

```
<ise_api >
        <name>sendmessage</name>
        <api_version>2</api_version>
        <deviceList>
                <device>
                        <macaddress>000000000000</macaddress>
                        <result>
                        <message_status>false</register_status>
                        <failure_reason>something happened, message is not sent</failure_reason>
                        </result>
                </device>
                <device>
                        <macaddress>111111111111</macaddress>
                        <result>
                        <message_status>true</register_status>
                        <failure_reason> </failure_reason>
                        </result>
                </device>
        <deviceList>
</ise_api>
```

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Admin Audit

This section describes APIs that are available for integrating MaaS360 with IBM QRadar.

Get Admin Login Reports

Request

GET /account-provisioning/administrator/1.0/getAdminLoginReports/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides admin login events success/failures at MaaS portal for a billing ID

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
authStatus	Optional	Status of the authentication (Successful, Device Authentication Failed, User Authentication Failed)
fromDate	Optional	Starting date for limit of audit
toDate	Optional	End date for limit of audit
pageSize	Optional	Limit number of events returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample XML Response


```
<loginEvents>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <loginEvent>
      <username>40005185_hs.harish</username>
      <loginAttemptTime>1493279650928</loginAttemptTime>
      <logoutTime>1493278946000</logoutTime>
      <duration>70.2</duration>
      <operatingSystem>Windows Seven NT 6.1</operatingSystem>
      <browserVersion>Chrome 57.0.2987.133</browserVersion>
      <ipAddress>208.76.135.129</ipAddress>
      <authStatus>Successful</authStatus>
   </loginEvent>
</loginEvents>
```


Access Control

Customer Properties: Enable Web Services
Access Rights: Read-only

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Get Roles Audit

Request

GET /account-provisioning/roles/1.0/getRolesAudit/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides audits of roles for a billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
fromDate	Optional	Start date for limit of audit (Required if toDate is used)
toDate	Optional	End date for limit of audit (Required if fromDate is used)
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response

```
<roles>
    <count>10</count>
    <pageNumber>1</pageNumber>
    <pageSize>50</pageSize>
    <role>
      <roleId>57605</roleId>
      <roleName>Custom</roleName>
      <roleDescription>Testing..!</roleDescription>
      <modifiedDate>1491315257000</modifiedDate>
      <modifiedBy>60001063_testflk</modifiedBy>
      <operation>ADD</operation>
      <accessRightsModified>
        <accessRight>
          <operation>ADD</operation>
          <name>Change Compliance Rule Set</name>
          <category>Device Management</category>
          <description>Ability to change a compliance rule set through a Device View
action.</description>
        </accessRight>
      </accessRightsModified>
    </role>
</roles>
```

Note: For Delete operation, do not show any access rights in the response.

Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Get Services Audit

Request

GET /account-provisioning/service/1.0/getServicesAudit/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides an audit of services for the billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
serviceKey	Optional	Unique service name. For example, ACT_SYNC_NOTES, MAM_INT, MAC
fromDate	Optional	Starting date for limit of audit
toDate	Optional	End date for limit of audit
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response

```
<services>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <service>
      <updateDate>1493010852774</updateDate>
      <perfomedBy>pragagar@in.ibm.com</perfomedBy>
      <ipAdress>10.104.23.168</ipAdress>
      <serviceKey>MALWARE_DETECT</serviceKey>
      <description>Enable threat management</description>
      <parentServiceKey>MAM_INT</parentServiceKey>
      <parent_description>Enable IBM Traveler and IBM Connections Cloud
integration</parent_description>
      <action>ENABLE</action>
   </service>
</services>
```

Access Control

Customer Properties: Enable Web Services
Access Rights: Read-only

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Get Deployment Settings Audit

Request

GET /account-provisioning/settings/1.0/getDeploymentSettingsAudit/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides audits of deployment settings for the billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
fromDate	Optional	Starting date for limit of audit
toDate	Optional	End date for limit of audit
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response


```
<deploymentSettings>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <deploymentSetting>
      <enrollOnBehalf>
         <enable>Yes</enable>
         <emailEOB>abc@gmail.com</emailEOB>
      </enrollOnBehalf>
      <userAuthenticationMechanism>
         <mechanism>ad</mechanism>
      </userAuthenticationMechanism>
      <devicePlatformAllowed>ipad, iphone</devicePlatformAllowed>
      <promptForOwnership>Yes</promptForOwnership>
      <defaultNewAdditionMode>Enrollment</defaultNewAdditionMode>
      <limitDevices>
         <enable>No</enable>
      </limitDevices>
      <managementForCorporateIosDevice>
         <setupSupervisedDevices></setupSupervisedDevices>
         <depSettingsUsingAppleDevice>
            <enable>Yes</enable>
            <authScreenHeader>HELLO</authScreenHeader>
         </depSettingsUsingAppleDevice>
         <deployAppsAndConfigureToDeviceEnroll></deployAppsAndConfigureToDeviceEnroll>
      </managementForCorporateIosDevice>
      <corporateEmailDomain>
         <enable>Yes</enable>
         <emailDomain>abc@gmail.com</emailDomain>
      </corporateEmailDomain>
      <iosAppManagementSetting>
         <depSettingsDefaultAppStore>
            <enable>Yes</enable>
            <regionName>United States</regionName>
         </depSettingsDefaultAppStore>
```


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```
        <promptUserDuringEnrollment></promptUserDuringEnrollment>
        <convertAppsToManaged>No</convertAppsToManaged>
    </iosAppManagementSetting>
    <enableSilentInstallation>Yes</enableSilentInstallation>
    <promptForCorporatePolicy>
        <enable>No</enable>
    </promptForCorporatePolicy>
    <corporateInformation>
        <enable>Yes</enable>
        <iosServiceHostName>HLC Pvt. Ltd.</iosServiceHostName>
        <contactEmail>y@gmail.com</contactEmail>
        <phoneNumber>12345</phoneNumber>
        <customInstructions>No Bunk</customInstructions>
    </corporateInformation>
    <alertOnNewDeviceDiscovery>
        <enable>Yes</enable>
        <deviceTypeToConsider>All Devices</deviceTypeToConsider>
        <notificationEmail>xyz@ymail.com</notificationEmail>
        <notificationEmail>test@ymail.com</notificationEmail>
    </alertOnNewDeviceDiscovery>
    <modifiedOn>1493292365868</modifiedOn>
    <modifiedBy>20014949_psoni170</modifiedBy>
    <previousState>
        <enrollOnBehalf>
            <enabled>No</enabled>
        </enrollOnBehalf>
        <userAuthenticationMechanism>
            <mechanism>maas_auth</mechanism>
        </userAuthenticationMechanism>
        <alertOnNewDeviceDiscovery>
            <enable>Yes</enable>
        <deviceTypeToConsider>All Devices</deviceTypeToConsider>
        <notificationEmail>xyz@ymail.com</notificationEmail>
    </alertOnNewDeviceDiscovery>
    </previousState>
  </deploymentSetting>
</deploymentSettings>
```


Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Get Login Settings Audit

Request

GET /account-provisioning/settings/1.0/getLoginSettingsAudit/customer/<billingId>
Content Type Header: application/x-wws-form-urlencoded

Definition

- Provides audits of login settings for the billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
fromDate	Optional	Starting date for limit of audit
toDate	Optional	End date for limit of audit
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response


```
<loginSettings>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <loginSetting>
      <modifiedDate>1495440227523</modifiedDate>
      <modifiedBy>20014960_hs.harish</modifiedBy>
      <authenticationMechanism>SAML</authenticationMechanism>
         <samlConfig>

<identityProviderName>http://WDADFS01.fiberlinkqa.local/adfs/services/trust</identityProviderName>
            <signInPageUrl>https://WDADFS01.fiberlinkqa.local/adfs/ls/</signInPageUrl>
            <notificationEmail>harish@gmail.com</notificationEmail>
            <allowAdminToUsePortalCred>Yes</allowAdminToUsePortalCred>
         </samlConfig>
      <deviceRegistrationRequired>No</deviceRegistrationRequired>
      <enableOTP>No</enableOTP>
      <previousState>
         <samlConfig>
            <notificationEmail>abc@gmail.com</notificationEmail>
         </samlConfig>
         <enableOTP>Yes</enableOTP>
      </previousState>
   </loginSetting>
   <loginSetting>
      <modifiedDate>1495432342725</modifiedDate>
      <modifiedBy>20014960_hs.harish</modifiedBy>
      <authenticationMechanism>SAML</authenticationMechanism>
         <samlConfig>

<identityProviderName>http://WDADFS01.fiberlinkqa.local/adfs/services/trust</identityProviderName>
            <signInPageUrl>https://WDADFS01.fiberlinkqa.local/adfs/ls/</signInPageUrl>
            <notificationEmail>abc@gmail.com</notificationEmail>
            <allowAdminToUsePortalCred>Yes</allowAdminToUsePortalCred>
```


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```
        </samlConfig>
      <deviceRegistrationRequired>No</deviceRegistrationRequired>
      <enableOTP>Yes</enableOTP>
      <previousState>
        <authenticationMechanism>Customer User Directory</authenticationMechanism>
        <enableOTP>No</enableOTP>
      </previousState>
    </loginSetting>
</loginSettings>
```


Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Get Notifications Settings Audit

Request

GET /account-provisioning/settings/1.0/getNotificationSettingsAudit/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides audits of notification settings for the billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
status	Optional	Active/Inactive. If not provide will return both
fromDate	Optional	Starting date for limit of audit
toDate	Optional	End date for limit of audit
Status	Optional	Enabled or Disabled. Default: both
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response

```
<notificationSettings>
   <count>2</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <notificationSetting>
      <updateDate>1494565275161</updateDate>
      <performedBy>20014949_muqbasha</performedBy>
      <ipAddress>208.76.135.129</ipAddress>
      <category>
         <name>MTC_DEVICE_ENROLLMENTS</name>
         <description />
         <action>Enabled</action>
      </category>
      <category>
         <name>MTC_APP_DISTRIBUTION</name>
         <description />
         <action>Enabled</action>
      </category>
   </notificationSetting>
</notificationSettings>
```

Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Get User/Device Group Changes Audit

Request

GET /group-apis/group/1.0/getGroupAudit/customer/<billingId>

Definition

- Provides audits of user and device groups for a billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
fromDate	Optional	Starting date for limit of audit (Required if toDate is given)
toDate	Optional	End date for limit of audit (Required if fromDate is given)
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page

Sample XML Response

Representation of actions taken on user or device group


```
<groupsAudit>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <groupAudit>
      <groupName>RCB vs SRH new</groupName>
      <groupType>3</groupType>
      <createdBy>40005325_psoni170</createdBy>
      <lastModifiedBy>40005325_psoni170</lastModifiedBy>
      <isActive>1</isActive>
      <isPrivate>0</isPrivate>
      <isManaged>0</isManaged>
      <action>
         <actionType>POLICY</actionType>
         <actionPerformedBy>40005325_psoni170</actionPerformedBy>
         <actionPerformedOn>1493165061378</actionPerformedOn>
      </action>
 </groupAudit>
</groupsAudit>
```


Representation for changes done on user or device group (e.g. description/name change)


```
<groupsAudit>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
  <groupAudit>
      <groupName>RCB vs SRH new</groupName>
      <groupType>3</groupType>
      <createdBy>40005325_psoni170</createdBy>
      <createdDate>1492681676983</createdDate>
      <lastModifiedBy>40005325_psoni170</lastModifiedBy>
```


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```
        <isActive>1</isActive>
        <isPrivate>0</isPrivate>
        <isManaged>0</isManaged>
        <action>
            <actionType>GROUP_EDIT</actionType>
            <actionPerformedBy>40005325_psoni170</actionPerformedBy>
            <actionPerformedOn>1493165061378</actionPerformedOn>
        </action>
        <previousState>
            <groupName>f4a5d411-ddbd-4d12-b319-b4ff4d43015e</groupName>
        </previousState>
    </groupAudit>
</groupsAudit>
```


Sample URL

GET /getGroupAudit/customer/40005325?fromDate=1487665805000&toDate=1492763405000

Access Control

Customer Properties: Enable Device View
Access Rights: Device View - Read-only

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Get Admin Changes Audit

Request

GET account-provisioning/administrator/1.0/getAdminChangesAudit/customer/<billingId>
Content Type Header: application/x-www-form-urlencoded

Definition

- Provides local admin account changes/addition/deletion at MaaS portal for a billing ID.

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web-service is being executed
accountStatus	Optional	Active/Inactive/Deleted. If not provided, will return all audits.
fromDate	Optional	Starting date for limit of audit (Required if toDate is given)
toDate	Optional	End date for limit of audit (Required if fromDate is given)
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default: first page
role	Optional	Administrator role. Note: The audits that have account status as Deleted are not returned.

Sample XML Response


```
<adminChanges>
   <count>10</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <adminChange>
      <updateDate>1492044920000</updateDate>
      <performedBy>pragagar@in.ibm.com</performedBy>
      <operationType>UPDATE</operationType>
      <ipAddress>208.76.135.129</ipAddress>
      <administrator>
         <email>hs.harish@in.ibm.com</email>
         <username>40005185_hs.harish</username>
         <firstName>Harishkumar</firstName>
         <middleName />
         <lastName>H</lastName>
         <address />
         <phone />
         <jobTitle />
         <watchlistSubscription> Yes </watchlistSubscription>
         <accountStatus>true</accountStatus>
         <managedUserGroups>All Groups</managedUserGroups>
         <lastLoginTime>1492044637000</lastLoginTime>
```


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```
        <rolesAdded>Administrator</rolesAdded>
        <rolesDeleted>Help Desk<rolesDeleted>
        <previousState>
            <firstName>Harish</firstName>
        </previousState>
    </administrator>
  </adminChange>
</adminChanges>
```


Access Control

Customer Properties: Enable Web Services
Access Rights: Read-only

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Get Audit of Policy Changes

Request

GET /policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/<billingID>

Definition

- Returns audits of all the policy changes made to a billingID of an organization.
- NOTE: A maximum of 500 records only are returned per request.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	BillingID of the account for which the web-service is being executed
fromDate	Optional NOTE: Required only if toDate is given.	Start date for limit of audit
toDate	Optional NOTE: Required only if fromDate is given.	End date for limit of audit
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample Request

https://services.fiberlink.com/policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/90021495

Sample Response

```
<policyAudits>
<count>9</count>
<pageNumber>1</pageNumber>
<pageSize>50</pageSize>
  <policyAudit>
    <policyName>winpol</policyName>
    <priority>2</priority>
    <isGlobal>Yes</isGlobal>
    <modifiedBy>30071972_testflk</modifiedBy>
    <modifiedDate>2017-12-18 07:22:22.433</modifiedDate>
    <actionType>PUBLISHED</actionType>
  </policyAudit>
  <policyAudit>
    <policyName>winpol</policyName>
    <priority>2</priority>
    <isGlobal>Yes</isGlobal>
    <modifiedBy>30071972_testflk</modifiedBy>
    <modifiedDate>2017-12-18 07:22:13</modifiedDate>
    <actionType>SAVE</actionType>
  </policyAudit>
</policyAudits>
```

Authentication Type: PORTAL

Content-Type: application/x-www-form-urlencoded
Accept: application/xml OR application/json

Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Get Audit of Ruleset Changes

Request

GET /rule-apis/rules/1.0/getRuleSetAudit/customer/<billingID>

Definition

Returns audits of all the rule changes made to a billing ID of an organization within a time interval.

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
fromDate	Optional NOTE: Required only if toDate is given.	Start date for limit of audit
toDate	Optional NOTE: Required only if fromDate is given.	End date for limit of audit
pageSize	Optional	Limit number of audits returned at one time. Allowed page sizes: 25, 50, 100, 200, 250. Default value: 50
pageNumber	Optional	Results specific to a particular page. Default is first page

Sample Request

https://services.m9.maas360.com/rule-apis/rules/1.0/getRuleSetAudit/customer/90000504

Sample Response


```
<ruleAudits>
   <count>8</count>
   <pageNumber>1</pageNumber>
   <pageSize>50</pageSize>
   <ruleAudit>
      <ruleSetName>rule2</ruleSetName>
      <isDefault>Yes</isDefault>
      <priority>2</priority>
      <isGlobal>Yes</isGlobal>
      <modifiedBy>30071972_testflk</modifiedBy>
      <modifiedDate>2017-12-18 07:26:43.480028</modifiedDate>
      <actionType>UPDATE</actionType>
   </ruleAudit>
   <ruleAudit>
      <ruleSetName>rule2</ruleSetName>
      <isDefault>Yes</isDefault>
      <priority>2</priority>
      <modifiedBy>30071972_testflk</modifiedBy>
      <modifiedDate>2017-12-18 07:26:08.089345</modifiedDate>
      <actionType>CREATE</actionType>
   </ruleAudit>
   ...
</ruleAudits>
```


Authentication Type: PORTAL

Content-Type: application/x-www-form-urlencoded
Accept: application/xml OR application/json

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Access Control

Customer Properties: Enable Web Services
Access Rights: Device View - Read-only

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Alerts

Create Alert

Request

POST https://<host>/alert-apis/alerts/2.0/alerts/customer/<billing_id>

Definition

- Create an alert using search criteria
  - Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
  - Accepts XML or JSON headers

Parameters

Parameter Name	Required / Optional	Description
billing_id	Required	Billing ID of the account for which the web-service is being executed

Sample JSON Request

```
{
   "name":"<alert name>",
   "description":"<alert description>",
   "type":"<alert type>",
   "availableFor":"<available for>"
   "deviceStatus" : "<device status>",
   "lastReported" : "<last reported>",
   "criteriaOperator" : "<criteria operator>",
   "deviceTypes" : [ "device type 1", "device type 2", ..]
   "conditions" : [
      {
         "category" : "<category name>",
         "attribute" : "<attribute name>",
         "criteria" : "<criteria>",
         "value1" : "<value 1>",
         "value2" : "<value 2>"
      }
}
```

Sample Request Parameters

Parameter Name	Required / Optional	Description
name	Required	Name of the alert being created.
description	Required	Description of the alert being created.
deviceStatus	Optional	Status of the device being searched for. Default: Active Devices
lastReported	Optional	Search includes devices last reported in this time. Default: Last 7 Days
deviceTypes	Optional	Types of devices to include in search. Default: All available types are included
criteriaOperator	Optional	Decides if the devices meet all or any one condition provided. Default: All Conditions (AND)
conditions	Optional	Conditions for search criteria, maximum of 10
category	Required	Category name on which condition is being constructed
attribute	Required	Attribute name on which condition is being constructed. Requires the category parameter.
criteria	Required	Criteria to be used for comparison of values. Requires the attribute parameter.

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value1	Required	Value of the attribute. Requires the criteria parameter and the attribute parameter.
value2	Optional	Second value of the attribute. Use if criteria such as “between” is used.
type	Optional	Type of group being created. Possible values: Security, Info
availableFor	Optional	Who should receive the alert. Possible values: All Administrators, Only Me

Sample JSON Response


```
{
   "response": {
      "billingId": 40006999,
      "name": "custAttributeAlert",
      "responseCode": 0
   }
}
```


Response Code Messages

Response code	Message	Scenario
0	Alert created successfully	When an alert is created without any errors
1	Unknown error occurred while creating alert	When an internal error occurs
2	Alerts are not enabled for this billingId	When alerts are not enabled for the requested user
3	Alert name requires at lease one non-space character	When an alert name is not provided or provided with empty characters
4	Alert name does not support the following special characters: ampersand (&),lesser than (<) and greater than (>)	When an alert name contains illegal characters
5	Alert description does not support the following special characters: ampersand (&),lesser than (<) and greater than (>)	When an alert description contains illegal characters
6	Alert description requires at lease one non-space character	When an alert description is not provided or provided with empty characters
7	Invalid value provided for deviceStatus	When the value provided for the deviceStatus is not "Active Devices","Inactive Devices","All Devices"
8	Invalid value provided for lastReported	When an invalid value is provided for lastReported
9	Invalid value operator provided for criteriaOperator	When the value provided for criteriaOperator provided is not "All Conditions (AND)", "Any Condition (OR)", "Across Conditions (Advanced)"
10	Invalid values provided for deviceTypes	When deviceTypes provided contain invalid or unavailable values
11	Number of conditions provided exceed 10	When the number of conditions provided is more than 10
12	Invalid value provided for category	When an invalid value is provided for category
13	Invalid value provided for attribute	When an invalid value is provided for attribute
14	Invalid value provided for criteria	When an invalid value is provided for criteria

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15	Two values are required for "Between" criteria	When "Between" criteria is provided, but only one valid value is specified
16	At least one invalid value provided for attribute of type date/timestamp	When the value for date is not in the epoch milliseconds format or empty
17	At least one invalid value provided for attribute of type number/double	When an invalid value is provided for attributes of number/double format
18	At least one invalid value provided for attribute of type integer	When an invalid value is provided for attributes of Integer format
19	No value is provided in condition for comparision	When at least one value is not provided for comparison in th econdition
20	Second value provided in condition unnecessarily	When non "Between" criteria is selected, but a second value is provided
21	Invalid value provided for enum type attribute	When an enum attribute is selected, but the comparison value provided is not one of the values in enum definition
22	Invalid value provided for boolean type attribute	When enum attribute is selected, but with a value that is not "Yes" or "No"
23	Advanced criteriaOperator is not yet supported	When Advanced search criteria is provided, but it’s not yet available for general use
24	Invalid value provided for availableFor	When a value other than "Only Me","All Administrators" is provided for availableFor
25	Invalid alert type provided	When a value other than "Security", "Info" is provided for alertType

Access Control

Customer Properties: Enable Web Services, Enable Watch List, Enable New Smart Search
Access Rights: Create Alert

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Mac APIs

Get GA or Beta Version Details of Mac Apps

Request

GET https://${services-url}/mac-apis/mac-app-services/v1/generic/customer/{billing_id}/macAppVersions/{APPS_REQUIRED}

Definition

- The agent gets information about all agent versions, including the Packager GA version, MDM Agent GA version, Mac App Catalog GA version, and the Mac App Catalog Beta version if applicable. The Packager GA version is only available if the request is from the Admin.
- The apps require an integer value, with one value reserved for each app. The parameter is numeric or all the bits required by the apps. The bits reserved for each app:
  -App Packager: The numeric code is 2.
  -Mac MDM Agent: The numeric code is 4.
  -Mac App Catalog: The numeric code is 8.
- Authorization header: JSON

Sample JSON Response


```
{
   "productDetails": [
      {
         "productName": "MAC_MDM_AGENT",
         "type": "GA",
         "version": "2.30",
         "manifest": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n\n<Module ModuleID=\"1001\"
Name=\"MAC_DEVICE_MANAGEMENT_AGENT\" Version=\"1\"> \n
  <Params>\n
    <Param Name=\"ID\" Value=\"176029\" />\n
    <Param Name=\"Url\" Value=\"/macagents/MaaS360_MAC_MDM_Service_2.30.pkg\" />\n
    <Param Name=\"BundleId\" Value=\"com.fiberlink.maas360.servicedaemon\" />\n
    <Param Name=\"BundleVersion\" Value=\"1.60.200.010\" />\n
    <Param Name=\"CreateDate\" Value=\"10/17/2013 09:27:56\" />\n
    <Param Name=\"Sha1Checksum\" Value=\"6182b7248e95343ccc24c6a71eb1b74499be4dce\" />\n
    <Param Name=\"Delay\" Value=\"480\" />\n
  </Params>\n
  <Action ActionID=\"OSX000100_1.01\"/> \n</Module>"
      },

{
         "productName": "MAC_APP_CATALOGUE",
         "type": "GA",
         "version": "1.30",
         "manifest": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n\n<Module ModuleID=\"1002\"
Name=\"MAC_APP_CATALOGUE\" Version=\"1\"> \n
  <Params>\n
    <Param Name=\"ID\" Value=\"176029\" />\n
    <Param Name=\"Url\" Value=\"/macagents/MaaS360_MAC_Catalogue.pkg\" />\n
    <Param Name=\"BundleId\" Value=\"com.fiberlink.maas360.servicedaemon\" />\n
    <Param Name=\"BundleVersion\" Value=\"1.60.200.010\" />\n
    <Param Name=\"CreateDate\" Value=\"10/17/2013 09:27:56\" />\n
    <Param Name=\"Sha1Checksum\" Value=\"6182b7248e95343ccc24c6a71eb1b74499be4dce\" />\n
    <Param Name=\"Delay\" Value=\"480\" />\n
  </Params>\n
  <Action ActionID=\"OSX000100_1.01\"/> \n</Module>"
      },
```


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```
{
        "productName": "MAC_APP_CATALOGUE",
        "type": "BETA",
        "version": "1.40",
        "manifest": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n\n<Module ModuleID=\"1001\"
Name=\"MAC_DEVICE_MANAGEMENT_AGENT\" Version=\"1\"> \n
  <Params>\n
    <Param Name=\"ID\" Value=\"176029\" />\n
    <Param Name=\"Url\" Value=\"/macagents/MaaS360_MAC_Catalogue.pkg\" />\n
    <Param Name=\"BundleId\" Value=\"com.fiberlink.maas360.servicedaemon\" />\n
    <Param Name=\"BundleVersion\" Value=\"1.60.200.010\" />\n
    <Param Name=\"CreateDate\" Value=\"10/17/2013 09:27:56\" />\n
    <Param Name=\"Sha1Checksum\" Value=\"6182b7248e95343ccc24c6a71eb1b74499be4dce\" />\n
    <Param Name=\"Delay\" Value=\"480\" />\n
  </Params>\n
  <Action ActionID=\"OSX000100_1.01\"/> \n</Module>"
      },

{
        "productName": "MAC_PACKAGER",
        "type": "GA",
        "version": "1.40",
        "manifest": "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n\n<Module ModuleID=\"1001\"
Name=\"MAC_DEVICE_MANAGEMENT_AGENT\" Version=\"1\"> \n
  <Params>\n
    <Param Name=\"ID\" Value=\"176029\" />\n
    <Param Name=\"Url\" Value=\"/macagents/MaaS360_MAC_PACKAGER.pkg\" />\n
    <Param Name=\"BundleId\" Value=\"com.fiberlink.maas360.servicedaemon\" />\n
    <Param Name=\"BundleVersion\" Value=\"1.60.200.010\" />\n
    <Param Name=\"CreateDate\" Value=\"10/17/2013 09:27:56\" />\n
    <Param Name=\"Sha1Checksum\" Value=\"6182b7248e95343ccc24c6a71eb1b74499be4dce\" />\n
    <Param Name=\"Delay\" Value=\"480\" />\n
  </Params>\n
  <Action ActionID=\"OSX000100_1.01\"/> \n</Module>"
      }
   ]
}
```


The manifest is configurable by the agent. For this example, the manifest is hard-coded. For each agent release, the agent will create two or more files. The first file is the manifest required for MDM installation of the package and the second file is the manifest to be stubbed inside the web-service response listed above.
The relative location of the agent in CDN is decided and name-spaced by the agent team. The CDN URL-prefix, major version, and minor version in the template is substituted by the fabric task.

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Get Download Location of Mac Apps

Request

GET https://${services-url}/mac-apis/mac-app-services/v1/generic/customer/{billing_id}/macApp/{AGENT_TYPE}/download?manifestOnly=false

Definition

- Gets the download location of a particular app.
- The AGENT_TYPE is one type of the following types: MAC_MDM_AGENT, MAC_APP_CATALOGUE, MAC_APP_PACKAGER
- If the manifestOnly value is set to true, only the location of the manifest is returned. Any other value returns the location of the app.

Sample JSON Response

```
{
   "downloadUrl": "https://id4services.fiberlink.com/cdn-content/agents/MAC_APP_CATALOGUE/AppCatalog_Signed.pkg"
}
```

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iOS APIs

Set Managed Settings in an iOS Device (v1) - Deprecated

Request

POST https://<services-url>/ios-apis/ios-ws/1.0/setDeviceManagedSettings/<billing_Id>

Definition

- Switches cellular roaming settings (data roaming and voice roaming) ON or OFF on the device.
- Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
- Content type header: application/x-www-form-urlencoded

Parameters

Parameter Name	Required / Optional	Description
deviceId	Required	Client serial number of the device
isVoiceRoamingEnabled	Optional	True: Enables voice roaming. False: Disables voice roaming.
isDataRoamingEnabled	Optional	True: Enables data roaming. False: Disables data roaming.
isPersonalHotspotEnabled	Optional	True: Enables personal hotspot. False: Disables personal hotspot.

Sample Request

https://services.fiberlink.com/ios-apis/ios-ws/1.0/setDeviceManagedSettings/1101234?&deviceId=a2e13fd&isVoiceRoamingEnabled=true&isDataRoamingEnabled=false

Sample Response

```
<actionResponse>
   <maas360DeviceID>a2e13fd</maas360DeviceID>
   <actionStatus>1</actionStatus> ## 0:success; 1:error
   <actionID>12345</actionID> ##Available only in case of success
   <description>Description, in case of success/error</description>
</actionResponse>
```

Access Control

Customer Properties: Manage iPhones
Access Rights: Help Desk Actions

Response Codes

200: Success
204: Device not enrolled in Account ID
400: No parameters provided for the roaming settings. At least one of the isVoiceRoamingEnabled and isDataRoamingEnabled parameters should be present in the request as true/false. deviceId is required.

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Set Managed Settings in an iOS Device (v2)

Request

POST https://<services-url>/apple-apis/devices/2.0/setDeviceManagedSettings/customer/<billing_Id>

Definition

- Switches cellular roaming settings (data roaming and voice roaming) and personal hotspot settings ON or OFF on the device.
- Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
- Content type header: application/json

Parameters

Parameter Name	Required / Optional	Description
deviceId	Required	Client serial number of the device
isVoiceRoamingEnabled	Optional	True: Enables voice roaming. False: Disables voice roaming.
isDataRoamingEnabled	Optional	True: Enables data roaming. False: Disables data roaming.
isPersonalHotspotEnabled	Optional	True: Enables personal hotspot. False: Disables personal hotspot.

Sample Request

POST https://services.fiberlink.com/apple-api/devices/2.0/setDeviceManagedSettings/customer/1101234

Content Type : application/json

Sample Response

```
<actionResponse>
   <maas360DeviceID>a2e13fd</maas360DeviceID>
   <actionStatus>1</actionStatus> ## 0:success; 1:error
   <actionID>12345</actionID> ##Available only in case of success
   <description>Description, in case of success/error</description>
</actionResponse>
```

Access Control

Customer Properties: Manage iPhones
Access Rights: Help Desk Actions

Response Codes

200: Success
204: Device not enrolled in Account ID
400: No parameters provided for the roaming settings. At least one of the isVoiceRoamingEnabled and isDataRoamingEnabled parameters should be present in the request as true/false. deviceId is required.

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Get Status of DEP Token

Request

GET /apple-api/dep/2.0/customer/<billingID>/token/<tokenID>

Definition

- Get DEP service token attributes
- Get status of DEP token
- Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
- Content type header: application/json

Parameters

Parameter Name	Required / Optional	Description
billingID	Required	Billing ID of the account for which the web service is being executed
tokenID	Required	Unique DEP token identifier that allows MDM server to securely connect with DEP web service
sortObj:{}	Required	QueryParam: List of tokens that are obtained in the response is sorted in ascending or descending based on the tokenName. Example: sortObj={'tokenName':'desc'} Note: The queryParam must be URI encoded and added in the request URL.
iDisplayStart	Optional	QueryParam: Starting index from which token count begins. Example: iDisplayStart=0
iDisplayLength	Optional	QueryParam: Number of tokens to be fetched in the list. Example: iDisplayLength=2

Sample Request

GET https://services.fiberlink.com/apple-api/dep/2.0/customer/30094937/token?sortObj=%7B%27tokenName%27%3A%27desc%27%7D&iDisplayStart=0&iDisplayLength=1

Content Type : application/json

Sample Response


```
{
   "status": "success",
   "tokens": {
      "offset": 0,
      "totalLength": 6,
      "data": [
         {
            "lastHardSyncTime": "11/05/2020 11:00 GMT",
            "tokenId": 70142,
            "tokenName": "Token_1604574009029",
            "tokenServerName": "Fiberlink Test - QA 1",
            "tokenSyncDate": "",
```


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```
            "tokenDeviceCount": 0,
            "tokenErrorMsg": null,
            "tokenDefaultProfile": "HardningSp1",
            "tokenExpiryDate": "05/08/2021 07:10 GMT",
            "tokenUpdateUser": "30152835_testflk",
            "tokenUpdateDate": "11/05/2020 11:00 GMT",
            "isSLCompleteAccess": null,
            "isFMA": null,
            "properties": null,
            "propertyNames": null
        }
    ]
  }
}
```


Mandatory attributes in Response

status
tokens

Access Control

Customer Properties: Enable iOS App Store or Enable New App Management workflows
Access Rights: DEP (Streamline Enrollment) - Complete Access

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Get Status of VPP Token

Request

GET /apple-api/vpp/2.0/token/customer/<billingId>/tokenId/<tokenid>

Definition

- Get VPP service token attributes
- Get status of VPP token
- Authorization header: MaaS token=<ADMIN_AUTH_MAAS_TOKEN>
- Content type header: application/json

Parameters

Parameter Name	Required / Optional	Description
billingId	Required	Billing ID of the account for which the web service is being executed
tokenid	Required	Unique VPP token identifier that allows MDM server to securely connect with VPP web service

Sample Request

GET https://services.fiberlink.com/apple-api/vpp/2.0/token/customer/30094937/tokenId/83327

Content Type: application/json

Sample Response


```
{
  "tokens":[
    {
      "tokenId":53741,
      "tokenName":"dfdd",
      "countryName":"United States",
      "countryCode":"US",
      "tokenExpiryDate":"Mar 19, 2021 12:00:00 AM",
      "licenseSyncTime":"Oct 30, 2020 5:00:05 AM",
      "userCount":228,
      "existingClientContext":"{\"hostname\":\"fiberlink.com\",\"guid\":\"00000000-01ce-2aec-0000-
00000000d1b0\"}",
      "tokenUpdateTime":"Oct 29, 2020 10:39:14 AM",
      "tokenStatus":"ACTIVE",

"vppAppConfig":"{\"removeAppMDMRemoval\":1,\"removeAppSelWipe\":1,\"restrictDataBackup\":0,\"remove
AppStopDist\":0,\"revokeVPPStopDist\":0,\"isAppApprovalApp\":0}",
      "autoImportVppApps":true,
      "removeOnMDMControlRemoval":true,
      "removeOnSelectiveWipe":true,
      "removeOnStopDistribution":false,
      "revokeVPPOnStopDistribution":false,
      "restrictBackup":false,
      "appApproval":false,
      "appsAdditionStatus":"APPS_ADDITION_COMPLETED"
    }
  ],
  "size":1,
  "status":"success"
}
```


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Mandatory attributes in Response

tokens
status

Access Control

Customer Properties: Enable iOS App Store or Enable New App Management workflows
Access Rights: Admin Auth

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Change History

#	Date	API	Type	
1	03/06/2015	/applications/1.0/getAppDetails/	Existing	Corrected Sample Requ
2	03/06/2015	/devices/1.0/search/	Existing	Support for new Optio
3	03/06/2015	/applications/1.0/addAndroidEnterpriseApp/	Existing	Corrected Sample Requ *addIOSEnterpriseAppPl*
4	03/06/2015	/devices/1.0/softwareInstalled/	Existing	Return additional attrib
5	03/06/2015	/devices/1.0/enrollDevice/	Existing	Support for specifying Enrollment request - e
1	06/06/2015	/devices/2.0/search/	New	Exclude Cloud Extende Enhanced version of de
2	06/06/2015	/devices/1.0//locationHistory/	New	Returns location histor
3	06/06/2015	/devices/1.0/getGroups/	New	Returns Groups to whic
4	06/06/2015	/devices/1.0/wipeDevice/	Existing	Support for activation l
5	06/06/2015	/devices/1.0//hideDevice/	New	Hide device action on a
6	06/06/2015	/devices/1.0/updateDeviceCert/	New	Action to update Devic
7	06/06/2015	/devices/1.0/searchActionHistory/	Existing	Support for optional se actionTimeFrom & acti
8	06/06/2015	/devices/1.0/enrollDevice/	Existing	Support for specifying request
9	06/06/2015	/devices/1.0/manageDeviceEnrollments/	Existing	Return custom attribut
10	06/06/2015	/devices/1.0/policies/	Existing	Support for filtering by
11	06/06/2015	/applications/1.0/getAppDetails	Existing	New attribute in respo Support to return value
12	06/06/2015	/applications/1.0/getAppDistributionByDevice/	Existing	Support for new Optio
13	06/06/2015	/applications/1.0/upgradeApp	Existing	Support for specifying Support for maintainAs
14	06/06/2015	/applications/1.0/upgradeAppPlus/	New	New API to upgrade to
15	06/06/2015	/applications/1.0/markAsPrimary/	New	Mark a particular versi
16	06/06/2015	/applications/2.0/addITunesApp/	New	Enhanced version of *ad*
17	06/06/2015	/applications/1.0/addIOSEnterpriseApp	Existing	Support for specifying
18	06/06/2015	/applications/1.0/addIOSEnterpriseAppPlus	Existing	Support for specifying
19	06/06/2015	/applications/2.0/addPlayApp/	New	Enhanced version of *ad*

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20	06/06/2015	/applications/1.0/addAndroidEnterpriseApp	Existing	Support for specifying A
21	06/06/2015	/applications/1.0/addAndroidEnterpriseAppPlus/	New	New API to add large a
22	06/06/2015	/user/1.0/search/	Existing	Enhancement to return Support for new Optio
23	06/06/2015	/user/1.0/setCustomAttributes/	New	New API to set user cus
24	06/06/2015	/devices/1.0/updateUserCert/	New	Action to update User C
1	08/11/2015	/devices/1.0/changeRuleSet/	New	New API to assign a Co
2	08/11/2015	/devices/1.0/manageDeviceEnrollments/	Existing	Support to search by pl the response
3	08/11/2015	/group-apis/group/1.0/groups/	New	Returns User & Device Administrator
4	08/11/2015	/user-apis/user/1.0/searchByGroup/	New	Returns users in a User
5	08/11/2015	/group-apis/group/1.0/distributions/	New	Returns various distribu
6	08/11/2015	/device-apis/devices/1.0/policies/	Existing	Support for returning p Return policy preceden
7	08/11/2015	/user-apis/user/1.0/search/	Existing	Support for filtering by Return userIdentifier, a
8	08/11/2015	/user-apis/user/1.0/addUser/	New	Add a new Local user a
9	08/11/2015	/user-apis/user/1.0/editUser/	New	Edit an existing Local us
10	08/11/2015	/user-apis/user/1.0/addGroups/	New	Add one or more User G
11	08/11/2015	/user-apis/user/1.0/removeGroups/	New	Remove one or more U
12	08/11/2015	/user-apis/user/1.0/userAttributes/	New	Returns all user custom
13	08/11/2015	/account-provisioning/account/1.0/getCustomerConfig/	Existing	Return allocatedSpace
14	08/11/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existing	Set allocatedSpace attr
15	08/11/2015	/device-apis/devices/1.0/searchActionHistory/	Existing	1. Support for returning some attributes in resp
16	08/11/2015	/device-apis/devices/1.0/authenticateAdministrator	Existing	API deprecated & remo
1	10/09/2015	/devices/2.0/search/customer/	Existing	Search API V2 is release
2	10/09/2015	/devices/1.0/mdSecurityCompliance/	Existing	Added workplace perso
3	10/09/2015	/account-provisioning/account/1.0/getCustomerConfig/	Existing	Added support for exte
4	10/09/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existing	Added support for exte
5	10/09/2015	/createCustomerAccount/	Existing	Added support for exte
5	10/09/2015	/applications/1.0/getAppDetails/	Existing	Added “What’s New, p
6	10/09/2015	/applications/1.0/distributeApp/	Existing	Added support for Sen
7	10/09/2015	/applications/1.0/upgradeApp/	Existing	Added support for “Wh
8	10/09/2015	/applications/1.0/upgradeAppPlus/	Existing	Added support for “Wh

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9	10/09/2015	/devices/1.0/getEnabledMaaS360Services/	Existin g	Added ability to get en
10	10/09/2015	/policymgmt-apis/policies/2.0/enabledServices/customer/	Existing	Added ability to get en
11	10/09/2015	/searchCustomers/	Existin g	Added ability to get the
12	10/09/2015	/reporting-apis/bi/1.0/getDashboards/	Existin g	Get list of available cus
13	10/09/2015	/reporting-apis/bi/1.0/download/	Existin g	Download the detailed
14	10/09/2015	/reporting-apis/bi/1.0/getReportList/	Existin g	Added ability to get list
1	12/10/2015	/device-apis/devices/1.0/assignUserToDevice/	New	Assigns a specified use
2	12/10/2015	/applications/1.0/distributeApp/	Existin g	Adds support to distrib
3	12/10/2015	/applications/1.0/upgradeApp/	Existin g	Adds support to upgra
4	12/10/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existin g	Added preferred langu
5	12/10/2015	/createCustomerAccount/	Existin g	Added preferred langu
6	12/10/2015	/device-apis/devices/1.0/summary	Existin g	Added a Test Device at
1	09/07/2016	/account-provisioning/accountreporting/1.0/getUserReport/	New	Get User's Enabled Ser
2	09/07/2016	/account-provisioning/service/1.0/enableService/	New	Enable a Service for a C
3	09/07/2016	account-provisioning/service/1.0/disableService/	New	Disable a Service for a C
4	09/07/2016	/account-provisioning/service/1.0/getServicesInfo/	New	Get Customer's Allowe
5	09/07/2016	/ciscoise/mdminfo /ciscoise/devices /ciscoise/batchdevices /ciscoise/action /ciscoise/sendmessage	New	All Cisco ISE integratior
1	10/24/2016	/devices/1.0/getDeviceGroups	Existin g	Deprecated API remov
1	01/27/2017	/account-provisioning/account/1.0/createCustomerAccount /account-provisioning/account/1.0/setCustomerConfig	Existin g	Added customerVertica
1	02/08/2017	/account-provisioning/account/1.0/setPartnerAccountConfig	Existin g	Updated Sample Reque **Old Sample Request:** POST *https://services.f provisioning/account/1* **New Sample Request:** POST *https://services.f provisioning/account/1*

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				1101234?partnerBilling *&leadNotificationEmai* *&adminEULASettings=1*
2	02/08/2017	/application-apis/applications/1.0/stopAppDistribution/	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/applications/1.0/s* **New Sample Request:** POST *https://services.f* *apis/applications/1.0/s* *1&appId=com.example*
3	02/08/2017	/device-apis/devices/1.0/getEnabledMaaS360Services/	Existing	Added new Mandatory *service*
4	02/08/2017	/device-apis/devices/1.0/computerNetworkInformation/	Existing	Added new Mandatory *maas360DeviceID*
5	02/08/2017	/device-apis/devices/1.0/sendMessage/	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/devices/1.0/sendM* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/sendM* *a1b2c3&messageTitle=*
6	02/08/2017	/device-apis/devices/1.0/changeRuleSet/	Existing	1. Updated Sample Req **Old Sample Request:** POST *https://services.f* *apis/devices/1.0/chang* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/chang* *androidc1a2b3c&rulesc* 2. Changed parameter **Old parameter name:** **New parameter name:**
7	02/08/2017	/application-apis/applications/1.0/distributeApp	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/applications/1.0/d* **New Sample Request:** POST *https://services.f* *apis/applications/1.0/d* *1007263?appType=1&* *=0&instantInstall=Yes&* =Yes
8	02/08/2017	/application-apis/applications/1.0/markAsPrimary	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/applications/1.0/m* **New Sample Request:** POST *https://services.f* *apis/applications/1.0/m* *1007263?appType=1&*

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				=4.0.1
9	02/08/2017	/user-apis/user/1.0/addUser/customer	Existing	Updated Sample Reque **Old Sample Request:** POST */user-apis/user/1* **New Sample Request:** POST *https://services.f* *apis/user/1.0/addUser/* *abc&domain=example.*
10	02/08/2017	/account-provisioning/account/1.0/getCustomerConfig	Existing	1. Updated Sample Rec **Old Sample Request:** POST *https://services.f* *provisioning/account/1* **New Sample Request:** POST *https://services.f* *provisioning/account/1* *customerBillingId=1101* 2. Changed Mandatory **Old response:** *custome* **New response:** *billingI*
11	02/08/2017	/account-provisioning/account/1.0/extendAccount	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *provisioning/account/1* **New Sample Request:** POST *https://services.f* *provisioning/account/1* *customerBillingId=1101*
12	02/08/2017	/account-provisioning/account/1.0/checkAccountNameAvailability	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *provisioning/account/1* *1101234* **New Sample Request:** POST *https://services.f* *provisioning/account/1* *1101234?accountNam*
13	02/08/2017	/account-provisioning/account/1.0/expireAccount	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *provisioning/account/1* **New Sample Request:** POST *https://services.f* *provisioning/account/1* *customerBillingId=1101*
14	02/08/2017	/device-apis/devices/1.0/searchByDeviceGroup/	Existing	Changed Mandatory at **Old response:** *deviceID* **New response:** *maas3*
15	02/08/2017	/device-apis/devices/1.0/packageDistributionHistory/	Existing	Added new Mandatory *maas360DeviceID*

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16	02/08/2017	/device-apis/devices/1.0/locationHistory/	Existing	Changed parameter na **Old parameter name:** *l* **New parameter name:**
17	02/08/2017	/device-apis/devices/1.0/enrollDevice/	Existing	1. Updated Sample Req **Old Sample Request:** POST *https://services.fi* *devices/1.0/enrollDevic* **New Sample Request:** POST *https://services.fi* *devices/1.0/hideDevice* *domain=example.com&* 2. Changed Mandatory **Old response:** *Passcod* **New response:** *passcod* 3. Changed parameter **Old parameter name:** *c* **New parameter name:**
18	02/08/2017	/account-provisioning/account/1.0/createCustomerAccount	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.fi* *provisioning /account/1* **New Sample Request:** POST *https://services.fi* *provisioning /account/1* *accountType=Customer* *Demo Customer1&adm* Changed Mandatory at **Old response:** *billingID* **New response:** *billingI*
19	02/08/2017	/account-provisioning/service/1.0/getServicesInfo	Existing	Updated Sample Reque **Old Sample Request:** GET *https://services.fib* *service/1.0/getServices* **New Sample Request:** POST *https://services.fi* *provisioning/service/1.* *loggedInUserbillingId=* *1224321&customerBill*
20	02/08/2017	/device-apis/devices/1.0/approveDeviceMessagingSystem	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.fi* *apis/devices/1.0/appro* *1101234* **New Sample Request:** POST *https://services.fi* *apis/devices/1.0/appro* *1101234?deviceId=a1b*
21	02/08/2017	/device-apis/devices/1.0/selectiveWipeDevice	Existing	Updated Sample Reque

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				Old Sample Request: POST *https://services.f* *apis/devices/1.0/select* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/select* *1101234?deviceId=a1b*
22	02/08/2017	/device-apis/devices/1.0/deviceActions	Existing	Changed parameter na **Old parameter name:** **New parameter name:**
23	02/08/2017	/device-apis/devices/1.0/locateDevice	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/devices/1.0/locate* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/locate*
24	02/08/2017	/device-apis/devices/1.0/hideDevice	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/devices/1.0/hideD* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/hideD*
25	02/08/2017	/device-apis/devices/1.0/hardwareInventory	Existing	Changed Mandatory at **Old response:** *maas36* **New response:** *maas3*
26	02/08/2017	/application-apis/applications/1.0/addPlayApp	Existing	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/applications/1.0/a* **New Sample Request:** POST *https://services.f* *applications/1.0/addPl* *1007263?appSourceUR* *https://play.google.cor* *org.cocos2dx.NautilusC* *removeAppMDMRemo* *Yes&enforceAuthentica*
27	02/08/2017	/account-provisioning/administrator/1.0/createAdministrator	Existing	1. Updated Sample Req **Old Sample Request:** POST *https://services.f* *provisioning/administr* *1101234* **New Sample Request:** POST *https://services.f* *provisioning/administr* *1101234?customerBilli* *abc&adminEmailAddre* *Help Desk* 2. Changed Mandatory

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				Old response: *custome* **New response:** *custom*
28	02/08/2017	/application-apis/applications/1.0/deleteApp	Existin g	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/applications/1.0/d* **New Sample Request:** POST *https://services.f* *apis/applications/1.0/d* *1&appId=com.example*
29	02/08/2017	/device-apis/devices/1.0/blockDeviceMessagingSystem	Existin g	Updated Sample Reque **Old Sample Request:** *POST* https://services.f *apis/devices/1.0/block* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/block* *1101234?deviceId=a2e*
30	02/08/2017	/device-apis/devices/1.0/revokeSelectiveWipe	Existin g	Updated Sample Reque **Old Sample Request:** POST *https://services.f* *apis/devices/1.0/revok* **New Sample Request:** POST *https://services.f* *apis/devices/1.0/revok* *a1b2c3*
31	02/08/2017	/application-apis/applications/2.0/addPlayApp	Existin g	Updated Sample Reque POST *https://services.f* *apis/applications/2.0/d*
1	02/09/2017	/device-apis/devices/1.0/updateCert /user-apis/user/1.0/updateUserCert	Existin g	Added Parameter Type
1	03/02/2017	/account-provisioning/service/1.0/getServicesInfo	Existin g	Updated sample respo service is enabled or di
1	03/24/2017	/application-apis/macApps/2.0/addMacAppStoreApp/customer	New	New API: Add Mac App
2	03/24/2017	/application-apis/winApps/2.0/addWindowsDependency/customer	New	New API: Add Windows
3	03/24/2017	/application-apis/winApps/2.0/addWindowsEnterpriseApp/customer	New	New API: Add Windows
4	03/24/2017	/application-apis/winApps/2.0/addWindowsEnterpriseEXEApp/customer	New	New API: Add Windows
5	03/24/2017	/application-apis/winApps/2.0/addWindowsEnterpriseMSIApp/customer	New	New API: Add Windows
6	03/24/2017	/application-apis/winApps/2.0/addWinStoreApp/customer	New	New API: Add Windows
7	03/24/2017	/application-apis/winApps/2.0/deleteWindowsDependency/customer	New	New API: Delete Windo
8	03/24/2017	/application-apis/winApps/2.0/downloadWindowsDependency/customer	New	New API: Download Wi
9	03/24/2017	/application-apis/applications/2.0/getCategoryList/customer	New	New API: Get Category
10	03/24/2017	/application-apis/applications/2.0/markAppAsFeatured/customer	New	New API: Mark App as
11	03/24/2017	/application-apis/applications/1.0/getAppDetails	Existing	Added *appVersionState*
12	03/24/2017	/application-apis/applications/1.0/search	Existing	Added *appVersionState* response.

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1	04/10/2017	/device-apis/devices/1.0/changeDevicePolicy	Existing	Updated *policyName* p policy for both iOS and
1	04/18/2017	/device-apis/devices/2.0/searchActionHistory	Existing	Added version 2 for Sea
2	04/18/2017	/device-apis/devices/1.0/changeDevicePolicy	Existing	Added Persona Policy c API.
1	06/28/2017	• Get Distributions: /group-apis/group/1.0/distributions/ /customer/<billingId>/group/<groupIdentifier>/type/<distType> • Get Admin Login Reports: /account-provisioning-ws/administrator/1.0/getAdminLoginReports/customer/<billingId> • Get Roles Audit: /account-provisioning/roles/1.0/getRolesAudit/customer/<billingId> • Get Services Audit: /account-provisioning/service/1.0/getServicesAudit/customer/<billingId> • Get Deployment Settings Audit: /account-provisioning/settings/1.0/getDeploymentSettingsAudit/customer/<billingId> • Get Login Settings Audit: /account-provisioning/settings/1.0/getLoginSettingsAudit/customer/<billingId> • Get Notifications Settings Audit: /account-provisioning/settings/1.0/getNotificationSettingsAudit/customer/<billingId>	New	Added QRadar integrat
1	07/26/2017	• Provision New Customer Account: /account-provisioning/account/1.0/createCustomerAccount/ <billingID> • Get Customer Account Configuration: /account-provisioning/account/1.0/getCustomerConfig/ <billingID> • Set Customer Account Configuration: /account-provisioning/account/1.0/setCustomerConfig/ <billingID> • Provision New Partner Account: /account-provisioning/account/1.0/createPartnerAccount/ <billingID>	Existing	Added support for opti
2	07/26/2017	Create New Device Custom Attribute: /device-apis/devices/2.0/customAttributes/customer/<billingId>	New	Added new device web
3	07/26/2017	• Create Device Groups: /group-apis/group/2.0/deviceGroups/customer/<billing_id> • Create User Groups: /group-apis/group/2.0/userGroups/customer/<billing_id> • Get Search Criteria Options: /group-apis/group/2.0/searchCriteria/customer/<billing_id>	New	Added new group web
4	07/26/2017	Create Alert: /alert-apis/alerts/2.0/alerts/customer/<billing_id>	New	Added new group web category.
5	07/26/2017	• Get GA or Beta Version Details of Mac Apps: /mac-apis/mac-app-services/v1/generic/customer/{billing_id}/macAppVersions/{APPS_REQUIRED} • Get Download Loaction of Mac Apps: /mac-apis/mac-app-services/v1/generic/customer/{billing_id}/macApp/{AGENT_TYPE}/download?manifestOnly=false	New	Added new Mac web s Specific APIs – Mac API
6	07/26/2017	/account-provisioning/account/1.0/searchCustomers/<partnerBillingId>	Existing	Replaced *corporateID* p
1	08/07/2017	/device-apis/devices/1.0/enrollDevice/<billingID>	Existing	Added new optional pa
1	08/10/2017			Changed IBM QRadar I
1	08/17/2017	/device-apis/devices/2.0/customAttributes/customer/<billingID>		Added new Device Acti Custom Attributes for a

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1	08/24/2017	• Delete User Review and Update Rating: /application-apis/applications/2.0/deleteReview/customer/<billingId> • List Featured Apps and Bundles Info: /application-apis/applications/2.0/deleteReview/customer/<billingId> • List Apps Bundles with their Apps Info: /application-apis/applications/2.0/getAppBundlesWithApps/customer/<billingId> • Fetch All the Reviews: /application-apis/applications/2.0/getAllReviews/customer/<billingId>		Added new App Catalo
1	09/25/2017	Extend Trial Account: /account-provisioning/account/1.0/extendAccount/<billingId>	Existing	Added support for expi parameter.
2	09/25/2017	• Delete User: user-apis/user/2.0/users/customer/<billingId>/user/<userIdentifier> • Delete User Status: user-apis/user/2.0/deleteUserStatus/customer/<billingId>/user/<userIdentifier>	New	Added new User web s
3	09/25/2017	• Get Partner Account Configuration: /account-provisioning/account/1.0/getPartnerAccountConfig/<billingId> • Set Partner Account Configuration: /account-provisioning/account/1.0/setPartnerAccountConfig/<billingId>	Existing	Added new parameter:
4	09/25/2017	Create Device Enrollment: /device-apis/devices/1.0/enrollDevice/<billingID>	Existing	Added two new param and *androidWorkAccou*
1	10/04/2017	Enable a Service for a Customer: /account-provisioning/service/1.0/enableService/<billingID>?<serviceKey>&<customerBillingId> • Disable a Service for a Customer: /account-provisioning/service/1.0/disableService/<billingID>?<serviceKey>&<customerBillingId> • Get Customer's Allowed Services: /account-provisioning/service/1.0/getServicesInfo/<loggedInUserbillingId>?<parameters>	Existing	• Removed DTM_C keys: MAC , WINI • Added WINDOWS INT_DTM_LOCAT WINDOWS_ENRC
1	01/02/2018	Set Device Name: /device-apis/devices/1.0/setDeviceName/<billingID>	Existing	Changed API type from
1	01/03/2018	Search Devices by Device Group: /device-apis/devices/1.0/searchByDeviceGroup/<billingID>	Existing	Added two new param
1	02/01/2018	Get Network Information for a Mobile Device: /device-apis/devices/1.0/mdNetworkInformation/<billingID>	Existing	Added Current MCC, Su sample response.
2	02/01/2018	• Basic Search (v1): /device-apis/devices/1.0/search/<billingID> • Basic Search (v2): /device-apis/devices/2.0/search/customer/<billingID>	Existing	Added isSupervisedDev
3	02/01/2018	Wipe Device: /device-apis/devices/1.0/wipeDevice/<billingID>	Existing	Added a new paramete
1	02/13/2018	Get Cellular Data Usage for a Device: /device-apis/devices/1.0/cellularDataUsage/<billingID>	Existing	Updated sample respo values.
1	03/12/2018	Configure Device Enrollment Settings: /provisioning-apis/provisioning/1.0/configureDeviceEnrollSettings/<billingID>	Existing	Fixed typo in sample re

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1	03/13/2018	Authentication section on page 8	Existing	Added Content-Type in
2	03/13/2018	General content cleanup	Existing	Replaced two instances
1	03/14/2018	• Upgrade App (apps smaller than 50 MB): /application-apis/applications/1.0/upgradeApp/<billingID> • Upgrade App (apps larger than 50 MB): /application-apis/applications/1.0/upgradeAppPlus/<billingID> • Add iTunes App Store App (v1): /application-apis/applications/1.0/addITunesApp/<billingID> • Add iTunes App Store App (v2): /application-apis/applications/2.0/addITunesApp/<billingID> • Add iOS Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp/<billingID> • Add iOS Enterprise App (apps more than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp2/<billingID> • Add Google Play App (v1): /application-apis/applications/1.0/addPlayApp/<billingID> • Add Google Play App (v2): /application-apis/applications/2.0/addPlayApp/<billingID> • Add Android Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addAndroidEnterpriseApp/<billingId> • Add Android Enterprise App (apps larger than 50 MB):/ application-apis/applications/1.0/addAndroidEnterpriseAppPlus/<billingId>	Existing	Added isAppApprovalA through the approval p 1. If the ENABLE_APP then this paramete built into the custo Approval workflow 2. If the ENABLE_APP then possible value is added directly to parameter is not p 3. If the ENABLE_APP then the app is alw
1	03/28/2018	Get App Details: /application-apis/applications/1.0/getAppDetails/<billingID>	Existing	Added optional isAppA IN_REVIEW state to be workflow.
2	03/28/2018	• Add iTunes App Store App (v1): /application-apis/applications/1.0/addITunesApp/<billingID> • Add iTunes App Store App (v2): /application-apis/applications/2.0/addITunesApp/<billingID> • Add iOS Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp/<billingID> • Add iOS Enterprise App (apps more than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp2/<billingID>	Existing	Added optional parame removeAppStopDist, re
1	04/03/2018	Create Device Group Refresh Request: /group-apis/group/2.0/deviceGroupRefreshRequest/customer/<billing_id>	New	Added details for new Release.
1	04/10/2018	• Delete User: /user-apis/user/2.0/users/customer/<billingId>/user/<userIdentifier> • Delete User Status: /user-apis/user/2.0/deleteUserStatus/customer/<billingId>/user/<userIdentifier>	Existing	For Delete User and De For Deleter User, remo contained wrong inform
1	04/16/2018	Get Core Attributes: /device-apis/devices/1.0/core/<billingID>	Existing	Updated sample respo <mailboxLastReported>
2	04/16/2018	Get Summary Attributes: /device-apis/devices/1.0/summary/<billingID>	Existing	Updated sample respo Date (GMT).
3	04/16/2018	Get Hardware Inventory: /device-apis/devices/1.0/hardwareInventory/<billingID>	Existing	Updated sample respo
4	04/16/2018	Get Devcie Identity Attributes: /device-apis/devices/1.0/identity/<billingID>	Existing	Updated sample respo
5	04/16/2018	Get Software Installed: /device-apis/devices/1.0/softwareInstalled/<billingID>	Existing	Updated sample respo
6	04/16/2018	Get Security & Compliance Information for a Mobile Device: /device-apis/devices/1.0/mdSecurityCompliance/<billingID>	Existing	Updated sample respo (GMT).
7	04/16/2018	Get Security Applications Information: /device-apis/devices/1.0/securityApplications/<billingID>	Existing	Updated sample respo Anti-spyware Definition

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8	04/16/2018	Get Application Distributions: /device-apis/devices/1.0/packageDistributionHistory/<billingID>	Existing	Updated sample respo
9	04/16/2018	Get Device Location History for a Device: /device-apis/devices/1.0/locationHistory/<billingID>	Existing	Updated sample respo
10	04/16/2018	Get Groups for a Device: /device-apis/devices/1.0/getGroups/<billingID>	Existing	Updated sample respo
11	04/16/2018	Locate Device: /device-apis/devices/1.0/locateDevice/<billingID>	Existing	Updated sample respo
12	04/16/2018	Check Action Status: /device-apis/devices/1.0/checkActionStatus/<billingID>	Existing	Updated sample respo
13	04/16/2018	Search Action History: /device-apis/devices/1.0/searchActionHistory/<billingID>	Existing	Updated sample respo
14	04/16/2018	Manage Device Enrollments: /device-apis/devices/1.0/manageDeviceEnrollments/<billingID>	Existing	Updated sample respo
15	04/16/2018	Get User & Device Groups: /group-apis/group/1.0/groups/customer/<billing_id>	Existing	Updated sample respo
16	04/16/2018	Search Devices by Device Group: /device-apis/devices/1.0/searchByDeviceGroup/<billingID>	Existing	Updated sample respo <mailboxLastReported>
17	04/16/2018	Search Users by Group: /user-apis/user/1.0/searchByGroup/customer/<billingID>/groupIdentifier/<groupID>	Existing	Updated sample respo
18	04/16/2018	Search by WatchList: /device-apis/devices/1.0/searchByWatchList/<billingID>	Existing	Updated sample respo <mailboxLastReported>
19	04/16/2018	Get Relevant Policies for a Service: /device-apis/devices/1.0/policies/<billingID>	Existing	Updated sample respo
20	04/16/2018	Search Compliance Events: /device-apis/devices/1.0/searchComplianceEvents/<billingID>	Existing	Updated sample respo
21	04/16/2018	Get Customer Account Configuration:	Existing	Updated sample respo
22	04/16/2018	Get Customer Accounts: /account-provisioning/account/1.0/searchCustomers/<partnerBillingId>	Existing	Updated sample respo <customerConversionD
23	04/16/2018	Upload Apple MDM Certificate: /provisioning-apis/provisioning/1.0/uploadAppleMDMCert/<billingID>	Existing	Updated sample respo
1	04/19/2018	Application Publication Workflow (for App Ecosystem Partners only): • Get the List of App Events Pending for Review: /application-apis/appApproval/2.0/getAppsPendingReview/customer/<billingID>/vendor/<vendorOfferingId>?<timestamp> • Get Details of Each App that is Pending for Scan: /application-apis/appApproval/2.0/getAppDetailsForReview/customer/<billingID>/review/<reviewId> • Get Binary of the App Pending for Review: /application-apis/appApproval/2.0/getAppBinaryForReview/customer/<billingID>/review/<reviewId> • Submit the App and Results of the Scan: /application-apis/appApproval/2.0/submitAppReviewResults/customer/<billingID>/review/<reviewId>	New	Added new APIs for Ap Partners only) introduc
1	04/23/2018	Set Managed Settings in an iOS Device: /ios-apis/ios-ws/1.0/setDeviceManagedSettings/<billing_Id>	New	Added new iOS APIs int
1	04/26/2018	Get App Details: Changed appType: ~~Optional~~ Required	Existing	Made *appType* parame
1	04/30/2018	Added sample response and response code to Authentication section page 8.	Existing	Updated content in Au
1	05/02/2018	Create Device Group Refresh Request: /group-apis/group/2.0/deviceGroupRefreshRequest/customer/<billing_id>	Existing	Updated Request URL a
1	05/04/2018	Get Admin Changes Audit: account-provisioning/administrator/1.0/getAdminChangesAudit/customer/<billingId>	Existing	Added *role* parameter.
2	05/04/2018	Get Partner Account Configuration: /account-provisioning/account/1.0/getPartnerAccountConfig/<billingId>	Existing	Removed *country* para
1	05/08/2018	Set Managed Settings in an iOS Device: /ios-apis/ios-ws/1.0/setDeviceManagedSettings/<billing_Id>	Existing	Added optional *isPerso*

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1	05/11/2018	Configure Device Enrollment Settings: /provisioning-apis/provisioning/1.0/configureDeviceEnrollSettings/<billingID>	Existing	Fixed typo in Sample re
2	05/11/2018	• Windows Scripts Upload: /application-apis/winApps/2.0/addWindowsEnterpriseScripts/customer/<billingId> • Windows Downloadable Add: /application-apis/winApps/2.0/addWindowsEnterpriseDownloadableFiles/customer/<billingId>	New	Added Windows APIs f
1	05/16/2018	Get Device Location History: /device-apis/devices/1.0/locationHistory/<billingID>	Existing	Added optional *returnA*
1	05/18/2018	Search Users by Group: /user-apis/user/1.0/searchByGroup/customer/<billingID>/groupIdentifier/<groupID>	Existing	Fixed typo in paramete
1	06/11/2018	• Add iTunes App Store App (v1): /application-apis/applications/1.0/addITunesApp/<billingID> • Add iTunes App Store App (v2): /application-apis/applications/2.0/addITunesApp/<billingID>	Existing	Added optional *appId* a using *appName*, *appId*,
1	06/15/2018	Update Device Certificate: /device-apis/devices/1.0/updateCert/<billingID>	Existing	Added optional *listOfTe*
1	07/19/2018	• Block Device in Messaging System: /device-apis/devices/1.0/blockDeviceMessagingSystem/<billingID> • Approve Device in Messaging System: /device-apis/devices/1.0/approveDeviceMessagingSystem/<billingID> • Refresh Device Information: /device-apis/devices/1.0/refreshDeviceInformation/<billingID> • Locate Device: /device-apis/devices/1.0/locateDevice/<billingID>	Existing	Updated *actionID* value
1	08/14/2018	Set Managed Settings in an iOS Device (v1): /ios-apis/ios-ws/1.0/setDeviceManagedSettings/<billing_Id>	Existing	For 10.71 platform rele Managed Settings for iO
2	08/14/2018	Set Managed Settings for iOS Devices (v2): /apple-api/devices/2.0/setDeviceManagedSettings/customer/<billing_Id>	New	For 10.69 platform rele iOS Device (v1) API.
3	08/14/2018	• Upgrade App (apps smaller than 50 MB): /application-apis/applications/1.0/upgradeApp/<billingID> • Upgrade App (apps larger than 50 MB): /application-apis/applications/1.0/upgradeAppPlus/<billingID>	Existing	Added optional *descrip*
4	08/14/2018	Add Groups to Local User Account: /user-apis/user/1.0/addGroups/customer/<billingID>/user/<user_identifier>	Existing	Added example of *grou*
1	08/17/2018	Delete User: /user-apis/user/2.0/users/customer/<billingId>/user/<userIdentifier>	Existing	Fixed a typo in one of t
1	08/31/2018	See changes column for more info.	Existing	Fixed minor typos in th • instantInstall para smaller than 50 M • instantInstall para than 50 MB) shoul • In Add iTunes App bundleId • In Add iTunes App bundleId • In Add Google Play apis/applications/2 /application-apis/a

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				• In Search Apps(V2) apis/applications/2 apis/applications/2 • In Get App Details(apis/applications/2 /application-apis/a • In Add iTunesApp S apis/applications/2 /application-apis/a • In List Apps Bundle applications/2.0/ge should be GET /ap apis/applications/2 • Add Android Enter sampleresponse an appUploadRequest • Windows Scripts U • Windows Downloa Request • Default Page size i 50: Search Installed Ap Search Apps (v1) Search Apps (v2) Search App Distrib Search App Distrib Get App Distributio • Description of pag Search Installed Ap Applications....." Search Apps (v1) - Search Apps (v2) - Search App Distrib Application Distrib Search App Distrib Application Distrib • Search Apps (v2), u *https://services.fib* *apis/applications/2* *e=3&status=active* • In Get App details *https://services.fib* *apis/applications/2* */customer/110123* • In List Apps Bundle /application- apis/applications/2 sample request url apis/applications/2
1	09/13/2018	Add Android Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addAndroidEnterpriseApp/<billingId>	Existing	Fixed typo in paramete
1	09/18/2018	Add Android Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addAndroidEnterpriseApp/<billingId>	Existing	Changed *restrictDataB*
1	09/24/2018	• Add iTunes App Store App (v1): /application-apis/applications/1.0/addITunesApp/<billingID>	Existing	Added *415 Unsupporte*

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		• Add iTunes App Store App (v2): /application-apis/applications/2.0/addITunesApp/<billingID>		
1	11/22/2018	Search Devices by Device Group: /device-apis/devices/1.0/searchByDeviceGroup/<billingID>	Existing	Changed *unifiedTravell* Applicable to all device
1	01/08/2019	Search Users: /user-apis/user/1.0/search/<billingID>	Existing	Fixed a typo in the para
1	02/06/2019	Mark App as Featured: /applications-api/applications/2.0/markAppAsFeatured/customer/<billingId>	Existing	Changed possible value -Old values: 1: Basic, 2: -New values: 0: Basic, 1
1	02/13/2019	Search Compliance Events: /device-apis/devices/1.0/searchComplianceEvents/<billingID>	Existing	Changed Access Rights -Old value: Access Righ -New value: Access Rig
1	02/20/2019	Set Device Name: /device-apis/devices/1.0/setDeviceName/<billingID>	Existing	Fixed a typo. Changed
1	04/09/2019	Add Windows Dependency:/application-apis/winApps/2.0/addWindowsDependency/customer/<billingId>	Existing	In the form data, chang
2	04/09/2019	• Provision New Partner Account: /account-provisioning/account/1.0/createPartnerAccount/<billingID> • Provision New Customer Account: /account-provisioning/account/1.0/createCustomerAccount/<billingID> • Check Account Name Availability: /account-provisioning/account/1.0/checkAccountNameAvailability/<billingId> • Convert Trial into Customer Account: /account-provisioning/account/1.0/convertToCustomer/<billingId> • Set Partner Account Configuration: /account-provisioning/account/1.0/setPartnerAccountConfig/<billingId> • Extend Trial Account: /account-provisioning/account/1.0/extendAccount/<billingId> • Set Customer Account Configuration: /account-provisioning/account/1.0/setCustomerConfig/<billingId> • Expire an Account: /account-provisioning/account/1.0/expireAccount/<billingId>	Existing	Added new access cont
3	04/09/2019	Edit a Local User Account: /user-apis/user/1.0/editUser/customer/<billingID>/user/<user_identifier>	Existing	Updated Sample Respo successfully.
4	04/09/2019	Modify Users: /group-apis/group/1.0/users/customer/<billingId>/group/<groupIdentifier>	New	New API introduced in group.
1	04/22/2019	• Update App Info (V2): /application-apis/2.0/updateAppInfo/customer/<billingId> • App Details: /applications/2.0/appDetails/customer/<billingId> • App Screenshots: /applications/2.0/appScreenshots/customer/<billingId> • Featured App: /applications/2.0/featuredApp/customer/<billingId> • Find Apps: /applications/2.0/apps/customer/<billingId>	New	New API introduced in
1	04/25/2019	• Stop App Distribution: /application-apis/applications/1.0/stopAppDistribution/<billingID> • Search App Distributions (v1): /application-apis/applications/1.0/searchDistributions/<billingID> • Search App Distributions (v2): /application-apis/applications/2.0/searchDistributions/<billingID>	Existing	Added optional *appVer*

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1	05/22/2019	• Get Admin Login Reports:/account-provisioning/administrator/1.0/ getAdminLoginReports/customer/<billingId>	Existing	Updated application na Old: /account-provision ws/administrator/1.0/g New: /account- provisioning/administra
1	05/28/2019	Basic Search (v2): /device-apis/devices/2.0/search/customer/<billingID>	Existing	Added *enrollmentMode*
1	06/28/2019	Migrate to Work Profile /device-apis/devices/1.0/migrateToWorkProfile/<billingID>/	New	New API introduced to Profile (Profile Owner)
2	06/28/2019	Basic Search (v2): /device-apis/devices/2.0/search/customer/<billingID>	Existing	Added *osVersion*, *lastM firstRegisteredInEpochm*
1	09/19/2019	• Distribute App: /application-apis/applications/1.0/distributeApp/<billingID> • Delete App: /application-apis/applications/1.0/deleteApp/<billingID> • Stop App Distribution: /application-apis/applications/1.0/stopAppDistribution/<billingID> • Mark App as Primary: /application-apis/applications/1.0/markAsPrimary/<billingID>	Existing	Added new parameter
2	09/19/2019	• Add iOS Enterprise App (apps smaller than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp/<billingID> • Add iOS Enterprise App (apps more than 50 MB): /application-apis/applications/1.0/addIOSEnterpriseApp2/<billingID>	Existing	Replaced *removeAppM* parameters with *remov removeAppOnStopDistr*
1	12/17/2019	Search Users: GET /user-apis/user/1.0/search/<billingID>	Existing	Added *passwordExpiry*
1	12/19/2019	• Search Apps (v1): /application-apis/applications/1.0/search/<billingId> • Search Apps (v2): application-apis/applications/2.0/search/customer/<billingId> • Get App Details (v1): /application-apis/applications/1.0/getAppDetails/<billingID> • Get App Details (v2): /application-apis/applications/2.0/getAppDetails/customer/<billingID> • Add iTunes App Store App (v1): /application-apis/applications/1.0/addITunesApp/<billingID> • Add iTunes App Store App (v2): /application-apis/applications/2.0/addITunesApp/customer/<billingID> • Upgrade App (apps smaller than 50 MB): /application-apis/applications/1.0/upgradeApp/<billingID> • Upgrade App (apps larger than 50 MB): /application-apis/applications/1.0/upgradeAppPlus/<billingID> • Mark App as Primary: /application-apis/applications/1.0/markAsPrimary/<billingID>	Existing	Updated values for *inst*
1	01/08/2020	Device Enrollment: /device-apis/devices/1.0/enrollDevice/<billingID>	Existing	Added Seamless passco
1	05/20/2020	Add Windows Exe App: /application-apis/winApps/2.0/addWindowsEnterpriseEXEApp/customer/<billingId>	Existing	Updated the sample re
1	06/03/2020	Deactivate Administrator: /account-provisioning/administrator/1.0/deactivateAdminbyEmailAddress/<loggedInbillingId>	New	New API to activate or
1	07/02/2020	Basic Search (v2): GET /device-apis/devices/2.0/search/customer/<billingID>	Existing	Removed RPAS mailbox
1	07/22/2020	Distribute App: POST /application-apis/applications/1.0/distributeApp/<billingID>	Existing	Added new field *license*

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1	07/23/2020	Basic Search (v2): GET /device-apis/devices/2.0/search/customer/<billingID>	Existing	Added *platformSerialN*
1	09/08/2020	Get Security & Compliance Information for a Mobile Device: GET /device-apis/devices/1.0/mdSecurityCompliance/<billingID>	Existing	Added new *One Lock S*
1	09/11/2020	Search Apps (v1): GET /application-apis/applications/1.0/search/<billingId>	Existing	Added new field *lastUp*
2	09/11/2020	Search Apps (v2): GET /application-apis/applications/2.0/search/customer/<billingId>	Existing	Added new field *lastUp*
1	11/18/2020	Distribute App: POST /application-apis/applications/1.0/distributeApp/<billingID>	Existing	Added 3 optional param Applications: *startDate*
1	11/30/2020	Get User/Device Group Changes Audit: GET /group-apis/group/1.0/getGroupAudit/customer/<billingId>	Existing	• Combined Get User G to Get User/Device G • Updated webservice
1	12/04/2020	Mark Device as Lost: POST /devices/2.0/customer/<billingId>/device/<deviceId>/action Mark Device as Found: POST /devices/2.0/customer/<billingId>/device/<deviceId>/action	New	Added new APIs that ca found.
2	12/04/2020	Wipe Device: POST /device-apis/devices/1.0/wipeDevice/<billingID> Remove Device: POST /device-apis/devices/1.0/removeDevice/<billingID>	Existing	Added a new parameter
3	12/04/2020	Add Local User Account: POST /user-apis/user/1.0/addUser/customer/<billingID> Edit a Local User Account: PUT /user-apis/user/1.0/editUser/customer/<billingID>/user/<user_identifier>	Existing	Added a new parameter
4	12/04/2020	Authentication 2.0: POST /auth-apis/auth/2.0/refreshToken/customer/<billingId>	New	Added new API Auth 2.0
5	12/04/2020	Get Status of DEP Token: GET /apple-api/dep/2.0/customer/<billingID>/token/<tokenID>	New	Added new API to get th
6	12/04/2020	Get Status of VPP Token: GET /apple-api/vpp/2.0/token/customer/<billingId>/tokenId/<tokenid>	New	Added new API to get th
1	01/27/2021	Authentication 2.0: POST /auth-apis/auth/2.0/refreshToken/customer/<billingId>	Existing	Added details on Admin
2	01/27/2021	Authentication 1.0: POST /auth-apis/auth/1.0/authenticate/<billingId>	Existing	Updated description of generation.
1	02/02/2021	Manage Device Enrollments: GET /device-apis/devices/1.0/manageDeviceEnrollments/<billingID>	Existing	Added usage note to *sta*
1	03/02/2021	Edit a Local User Account: PUT /user-apis/user/1.0/editUser/customer/<billingID>/user/<user_identifier>	Existing	Added *authType* param
1	03/04/2021	Download Report Details: GET /reporting-apis/bi/1.0/download/{billingId}/{dashboardCode}{reportCode}	Existing	• Added *lastReporte* • Added additional i
1	03/10/2021	Locate Device Marked as Lost: POST /devices/2.0/customer/<billingId>/device/<deviceId>/action	New	Added new API to locate
1	06/11/2021	Get User and Device Groups: GET /group-apis/group/1.0/groups/customer/<billing_id>	Existing	Added additional descrip are active distributions.

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2	06/11/2021	Download Windows Dependency: GET /application-apis/winApps/2.0/downloadWindowsDependency/customer/<billingId>	Existing	Added new error messa a dependency is not pre
1	09/09/2021	Authentication 2.0 APIs on *page 12*.	Existing	Added Authentication to APIs.
1	12/02/2021	Get Audit of Policy Changes: GET /policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/<billingID>	New	Added new API to get au of an organization.
1	12/06/2021	Add Local User Account: POST /user-apis/user/1.0/addUser/customer/<billingID>	Existing	Added new authType pa authentication types in t
1	12/07/2021	• Add Google Play App (v1): POST /application-apis/applications/1.0/addPlayApp/<billingID> • Add Google Play App (v2): POST /application-apis/applications/2.0/addPlayApp/customer/<billingID>	Existing	Added two new parame
1	01/11/2022	Get Audit of Ruleset Changes: GET /rule-apis/rules/1.0/getRuleSetAudit/customer/<billingID>	New	Added new API that fetc specific timeframe for th
1	03/24/2022	Mark Device as Lost: POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action	Existing	Updated request formul
1	06/03/2022	Get Admin Changes Audit: GET account-provisioning/administrator/1.0/getAdminChangesAudit/customer/<billingId>	Existing	Added a new value for t deleted local admin acco
2	06/03/2022	Add Local User Account: POST /user-apis/user/1.0/addUser/customer/<billingID>	Existing	Added a new parameter password.
3	06/03/2022	Mark Device as Lost: POST https://<services-url>/apple-api/devices/2.0/customer/<billingId>/device/<deviceId>/action	Existing	Updated the request for
1	06/06/2022	Create Device Enrollment: POST /device-apis/devices/1.0/enrollDevice/<billingID>/	Existing	Added a new parameter license bundle (MaaS36
2	06/06/2022	Add Local User Account: POST /user-apis/user/1.0/addUser/customer/<billingID>	Existing	Updated the access righ
1	11/28/2022	Search Action History (v1): GET /device-apis/devices/1.0/searchActionHistory/<billingID>	Existing	Added a new sample res description about the st
1	15/06/2023	Get Audit of Policy Changes: GET /policymgmt-apis/policies/2.0/getPolicyChangesAudit/customer/<billingID>	Existing	This API has been moved
2	15/06/2023	Get Audit of Ruleset Changes: GET /rule-apis/rules/1.0/getRuleSetAudit/customer/<billingID>	Existing	This API has been moved

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1	16/03/2024	Basic Search (v2): GET /device-apis/devices/2.0/search/customer/<billingID>	Existing	Added a new parameter returns the status of iTu
2	16/03/2024	Create Device Enrollment: POST /device-apis/devices/1.0/enrollDevice/<billingID>/	Existing	For License Managemen • The *licenseN* parameter va the MaaS360 assign license devices durin • If the *license* license value appropriate e
3	24/04/2024	Search Devices by Device groups (v2): GET /device-apis/devices/2.0/searchByDeviceGroup/customer/<billingId>	New	Added a new API that fe
1	28/06/2024	Advanced search result using custom attributes: POST/deviceapis/lifecycle/1.0/customer/{billingId}/devices/search	New	Added a new API that s attributes of device, wh information.
1	19/07/2024	POST /device-mgmt-apis/api/customer/70030020/1.0/devices/search	New	Added a new API that s attributes. This API also and fetches a wide rang
1	02/09/2024	POST /device-apis/devices/1.0/wipeDevice/<billingID>/	Existing	Added a new paramete to remove the device's and repurpose it for an enter their previously a
1	30/09/2024	Device Actions (V2): POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn}	New	Added a new API that e
2	30/09/2024	Group Actions: POST /actions/1.0/customer/{billingId}/action/{actionType}/group/{groupId}	New	Added a new API that e
3	30/09/2024	User Actions: POST /actions/1.0/customer/{billingId}/action/{actionType}/user/{userId}	New	Added a new API that e
1	15/11/2024	Device Actions (V2): POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn}	Existing	Added three new actio DISABLE_APP_CONFIG_ enables, disables, force
1	10/01/2025	Group Actions: POST /actions/1.0/customer/{billingId}/action/{actionType}/group/{groupId}	Existing	Added two new ac
1	14/02/2025	GET /device-apis/devices/1.0/searchActionHistory/<billingID> (existing web service):	Existing	Added a new sample p actionExecutionTimeTo
2	14/02/2025	POST /actions/1.0/customer/{billingId}/action/{actionType}/device/{deviceCsn}	Existing	Added six new actions Collect Logs, Remove P

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