IBM MaaS360®
API Reference Guide
For Web Services

For v10.57
Updated 26 Oct 2016

Note:
Before using this information and the product it supports, read the information in Notices on page 199.

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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

  - o M1: *https://services.fiberlink.com/*

  - o M2: *https://services.m2.maas360.com/*

  - o 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

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 Fiberlink support for provisioning this. Once provisioned, the following information will be provided:

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

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 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>>

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]]

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.

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:
    - o 200 OK: Success
    - o 400 Bad Request: The web-service request was invalid.
    - o 401 Unauthorized: Authentication for the web-service request failed. Invalid credentials.
    - o 403 Forbidden: Web-service request is requesting a resource that the server does not allow access to.
    - o 404 Not Found: The requested resource is not found.
    - o 500 Internal Server Error: An internal server error occurred while processing the request.
    - o 502 Bad Gateway: MaaS360 Web-service server is not reachable.
    - o 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.
    - o 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

In case you exceed these limits and want to increase them, contact Fiberlink Technical 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).

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

Resources and Methods

Device

- Basic Search
- Get Core Attributes
- Get Summary Attributes
- Get Hardware Inventory
- Get Device Identity Attributes
- Get Software Installed
- Get Security & Compliance Information for a Mobile Device
- Get Enabled MaaS360 Services for a Device
- Get Network Information for a Mobile Device
- Get Patch Information for a Computer
- Get Network Information for a Computer
- Get Security Applications Information
- Get Application Distributions
- Get Cellular Data Usage for a Device
- Get Location History for a Device
- Get Groups for a Device
- Get Relevant Data Views for a Device
- Get Relevant Actions for a Device

Device Actions

- Assign a User to a Device
- Set Custom Attribute Value
- Refresh Device Information
- Locate Device
- Lock Device
- Reset Device Passcode
- Change Device Policy
- Change Compliance Ruleset
- Selective Wipe Device
- Revoke Selective Wipe
- Wipe Device
- Cancel Pending Wipe
- Approve Device in Messaging System
- Block Device in Messaging System
- Remove Device
- Remove Device from Mailbox Server
- Hide Device record
- Update Device Certificate
- Check Action Status
- Search Action History

Device Enrollment

- Create Device Enrollment
- Manage Device Enrollments

Groups

- Get Groups (Do not use. To be deprecated shortly)
- Get User & Device Groups
- Search Devices by Device Group
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- Get Group level distributions

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- Get WatchLists

- Search by WatchList

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- Get Relevant Policies for a Service
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Compliance Rules
- Search Compliance Events

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- Search Installed Applications
- Search Applications
- Get Application Details
- Search Application Distributions
- Get Application Distribution Details by Device
- Distribute App
- Upgrade App (Recommended for Apps less than 50 MB)
- Upgrade App (Recommended for Apps more than 50 MB)
- Mark an App version as Primary
- Update Provisioning Profile
- Delete App
- Stop App Distribution
- Add iTunes App Store App
- Add iOS Enterprise App (Recommended for Apps less than 50 MB)
- Add iOS Enterprise App (Recommended for Apps more than 50 MB)
- Enterprise iOS App Upload Request Status
- Add Google Play App
- Add Android Enterprise App (Recommended for Apps less than 50 MB)
- Add Android Enterprise App (Recommended for Apps more than 50 MB)

User
- Search Users
- Add Local User Account
- Edit a Local User Account
- Add Groups to Local User Account
- Remove Groups from Local User Account
- Get AD Groups
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- Get User Custom Attributes
- Set Custom Attribute Value

Administrator
- Create Administrator
- Check Administrator Account Availability
- Authenticate Administrator

Account
- Provision new Customer Account
- Check Account Name Availability
- Convert trial into Customer Account
- Expire an Account
- Extend Trial Account
- Get Customers under a Partner
- Get Customer Account Configuration
- Set Customer Account Configuration
- Sign Apple MDM CSR request
- Get Device Enrollment Settings

- Configure Device Enrollment Settings
- Provision new Partner Account
- Get Partner Account Configuration
- Set Partner Account Configuration
- Get Customer's Allowed Services
- Enable a Service for a Customer
- Disable a Service for a Customer
- **Get User's Enabled Services**

Reporting

- Get a list of dashboards
- Get report list for a dashboard
- Download report details

Device View to Platform Matrix

Methods	Windows	Mac	ActiveSync Devices	Traveler Devices	BlackBerrys	iOS MDM	Android MDM	Windows Phone
Basic Search	X	X	X	X	X	X	X	X
Get Core Attributes	X	X	X	X	X	X	X	X
Get Summary Attributes	X	X	X	X	X	X	X	X
Get Hardware Inventory	X	X	X	X	X	X	X	X
Get Device Identity Attributes	X	X	X	X	X	X	X	X
Get Software Installed	X	X			X	X	X	X
Get Security & Compliance Information for a Mobile Device			X	X	X	X	X	X
Get Network Information for a Mobile Device					X	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 Groups for a Device						X	X	X
Get Relevant Data Views for a Device	X	X	X	X	X	X	X	X
Get Relevant Actions for a Device	X	X	X	X	X	X	X	X

Device Actions to Platform Matrix

Methods	Windows	Mac	ActiveSync Devices	Traveler Devices	BlackBerrys	iOS MDM	Android MDM	Windows Phone MDM
Refresh Device Information					X	X	X	X
Locate Device						X	X	X
Lock Device						X	X	X
Reset Device Passcode					X	X	X	X
Change Device Policy			X		X	X	X	X
Change Compliance Ruleset			X	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	X
Cancel Pending Wipe			X	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	X
Remove Device from Mailbox Server			X	X	X			
Hide Device	X	X	X	X	X	X	X	X
Check Action Status	X	X	X	X	X	X	X	X
Search Action History	X	X	X	X	X	X	X	X

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)

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>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <device>
                <maas360DeviceID>a2e13f</maas360DeviceID>
                <deviceName>BBFLLT3337</deviceName>
                <customAssetNumber>09026</customAssetNumber>
                <ownership>Employee Owned</ownership>
                <deviceOwner>John Doe</deviceOwner>
                <username>jdoe</username>
                <emailAddress>jdoe@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>2010-11-30T05:52:53.011+00:00</installedDate>
                <lastReported>2010-11-30T05:52:53.011+00:00</lastReported>
                <deviceStatus>Active</deviceStatus>
                <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
                <mailboxManaged>ActiveSync Managed</mailboxManaged>
                <mailboxDeviceID>Appl1234567</mailboxDeviceID>
                <mailboxLastReported>2010-11-30T05:52:53.011+00:00</mailboxLastReported>
        </device>
        <device>
        …
        </device>
</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

Access Control

- Customer Properties: Enable Device View

- Access Rights: Device View - View Only

Basic Search (v2)

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 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
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 - RPAS
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)
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)

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 (JSON)

```
{
    "devices":
    {
        "device":
        {
            "maas360DeviceID": "androidc60775214",
            "deviceName": "glindsey-ADR6400L",
            "customAssetNumber": "",
            "ownership": "Corporate Owned",
            "deviceOwner": "",
            "username": "dlindsey",
            "emailAddress": "TEST@EXAMPLE.COM",
            "platformName": "Android",
            "sourceID": 1,
            "deviceType": "Smartphone",
            "manufacturer": "HTC",
            "model": "ADR6400L",
            "osName": "Android 2.2.1 (FRG83D)",
            "osServicePack": "",
            "imeiEsn": 99000032580168,
            "installedDate": "2011-04-27T16:36:00",
            "lastReported": "2011-05-09T17:13:15",
            "deviceStatus": "Active",
            "maas360ManagedStatus": "Activated",
            "udid": "Androide636110899cac677",
            "wifiMacAddress": "n\/a",
            "mailboxDeviceId": "",
```

```
            "mailboxLastReported": "",
            "mailboxManaged": "",
            "unifiedTravelerDeviceId": "Androide636110899cac677",
            "phoneNumber": 8588885305,
            "userDomain": "na",
            "policyComplianceState": "In Compliance",
            "appComplianceState": "",
            "ruleComplianceState": "",
            "selectiveWipeStatus": "n\/a",
            "jailbreakStatus": "No",
            "encryptionStatus": "Not Supported",
            "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

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>2010-11-30T05:52:53.011+00:00</installedDate>
        <lastReported>2010-11-30T05:52:53.011+00:00</lastReported>
        <deviceStatus>Active</deviceStatus>
        <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
        <mailboxManaged>ActiveSync Managed</mailboxManaged>
        <mailboxDeviceID>Appl1234567</mailboxDeviceID>
        <mailboxLastReported>2010-11-30T05:52:53.011+00:00</mailboxLastReported>
</device>
```

Mandatory attributes in Response

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

Access Control

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

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
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	2010-11-30T05:52:53.011+00:00	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	2010-11-30T05:52:53.011+00:00	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

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
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
Device Passcode	String	Compliant	Security &	10

Status			Compliance	
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**

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

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
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	17/12/2010 20:33	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
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

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>02/01/2009</purchaseDate>
        <purchasePrice>100</purchasePrice>
        <warrantyNumber>10001</warrantyNumber>
        <warrantyExpirationDate>02/01/2011</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

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>2010-11-30T05:52:53.011+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

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

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
Last Policy Updated	Timestamp	28/03/2011 10:12	Security &	60

Key	Type	Example Value	Display Section	Display Order
Date (GMT)			Compliance	
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	28/03/2011 16:10	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
Lock SIM Card	String	Yes	Device Security	30

			Status	
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
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
Automatic Data Backup to Google Servers Enabled	String	Yes	Application Settings	30
Automatic Restore from Data Backup	String	Yes	Application Settings	40

on Application Reinstall					
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

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>
```

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 Tracking
– 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
– 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

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

```
<networkInformation>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <deviceAttributes>
                <deviceAttribute>
                        <key>Manufacturer</key>
                        <type>String</type>
                        <value>Dell Inc</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	50

Key	Type	Example Value	Display Section	Display Order
			Information	
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

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	String	GSM 850, GSM 900	Network	50

Frequencies			Information	
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

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

-

Access Control

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

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

-

Access Control

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

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	12/10/2010	Anti-Virus	60

Status	String	Running	Anti-Virus	70
Anti-Virus Definition Date	Timestamp	06/05/2011 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	06/05/2011 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:

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

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>2010-11-30T05:52:53.011+00:00</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

-

Access Control

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

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

```
<cellularDataUsageDetails>
        <planName>Corporate Plan</planName>
        <billingStartDate>7</billingStartDate>
        <daysRemainingBillingCycle>10</daysRemainingBillingCycle>
        <cellularDataUsage>
                <period>Current period till date</period>
                <inNetworkUsageLimit>100</inNetworkUsageLimit>
                <inNetworkUsage>10</inNetworkUsage>
                <roamingNetworkUsageLimit>10</roamingNetworkUsageLimit>
                <roamingNetworkUsage>8</roamingNetworkUsage>
        </cellularDataUsage>
        <cellularDataUsage>
        ….
        </cellularDataUsage>
</cellularDataUsageDetails>
```

Mandatory attributes in Response

-

Access Control

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

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
Maas360DeviceID	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

Sample Request

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

Sample Response

If PII is enabled:

```
<deviceLocation>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <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>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <errorCode>0</errorCode> ## 0 – success; 1 – failure
        <locationHistory>enabled</locationHistory>
        <location>
                <locatedTime>2010-11-30T05:52:53.011+00:00</locatedTime>
                <latitude>10.2</latitude>
                <longitude>31.5</longitude>
                <accuracy>100m</accuracy>
                <checkedInStatus>Yes</checkedInStatus>
        </location>
</deviceLocation>
```

Mandatory attributes in Response

- maas360DeviceID
- errorCode

Access Control

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

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>2010-11-30T05:52:53.011+00:00</lastEvaluatedDate>
        </group>
        <group>
        ….
        </group>
</groups>
```

Mandatory attributes in Response

-

Access Control

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

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	Device Summary	10	Hardware Inventory	10

Platform value			Security & Compliance	20
	Custom Attributes	20	Custom Attributes	10
	Action History	30	Action History	10
Source = 1 or 3 & Platform = 3 (iOS)	Device Summary	10	Hardware Inventory	10
			Network Information	20
			Security & Compliance	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
			Device Restrictions	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	10
			Network Information	20
			Security & Compliance	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	10
			Network Information	20
			Security & Compliance	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	10
			Policy & Compliance	20
			Passcode Settings	30
			Accounts & Sync	40
			Application Settings	50
			Device Features	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

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

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
SELECTIVE_WIPE_DEVICE	Selective Wipe	iOS, Android, Windows	70

	Device		
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 – 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

Device Actions

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

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

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>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

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/*

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

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/*

Sample Response

```
<actionResponse>
        <maas360DeviceID>a2e13f</maas360DeviceID>
        <actionStatus>1</actionStatus> ## 0:success; 1:error
        <actionID>12345</actionID> ##Available only in case of success
        <latitude>10.2</latitude>
        <longitude>31.5</longitude>
        <locatedTime>2010-11-30T05:52:53.011+00:00</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

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

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

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 or BES device

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

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

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
Maas360DeviceID	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*

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

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/*

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

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/*

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

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

Sample Request

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

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

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

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

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, Manage Notes Traveler
– Access Rights: Messaging Server Actions

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/

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, Manage Notes Traveler
– Access Rights: Messaging Server Actions

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):

  - o If the MDM Control is already removed by the user: This marks the device as Inactive

  - o 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

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
Access Rights: Deactivate Actions

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

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/*

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

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	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
maas360DeviceId	Required	Client Serial Number of the device
actionType	Required	Possible values: Generate new Certificate Republish existing Certificate
comment	Optional	

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

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>
</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

Search Action History

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
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.

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>
                <actionID>a2e13f</actionID>
                <deviceName>BBFL1234</deviceName>
                <platformName>iOS</platformName>
                <deviceId>Appl12345678</deviceId>
                <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>10.104.12.109</ipAddress>
                <comments></comments>
                <errorDescription></errorDescription>
        </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

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
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: - 0: Corporate Credentials - 1: Passcode
comments	Optional	
CustomAttributes	Optional	Format: <CustomAttributes> <customAttribute>

		`<customAttributeName>attr1</customAttributeName>`
		
		`<customAttributeValue>true</customAttributeValue>`
		`        </customAttribute>`
		`        <customAttribute>`
		`                < customAttributeName >attr2</`
		`customAttributeName >`
		
		`<customAttributeValue>val1</customAttributeValue>`
		`        </customAttribute>`
		`</CustomAttributes>`

Sample Request

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

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

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"
partialAdminUsername	Optional	Partial Administrator Username of the Administrator who created the enrollment request
includeCustomAttributes	Optional	Possible values: Yes, No (Default)
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>
                <requestDate>2010-11-30T05:52:53.011+00:00</requestDate>
                <platform>iOS</platform>
                <domain>Corporate</domain>
                <username>jsmith</username>
                <emailAddress>jsmith@example.com</emailAddress>
                <policySet>Corporate Policy</policySet>
```

```
            <status>2</status>
            <registrationDate>2010-11-30T05:52:53.011+00:00</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>
                    </customAttribute>
            </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

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

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>2013-08-12 10:24:03.0</createdOn>
                <description>himanshu sao</description>
                <groupID>341275</groupID>
                <groupName>Hsao-test Group</groupName>
                <groupType>3</groupType>
                <lastModifiedOn>2013-08-12 10:24:03.0</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

Search Devices by Device Group

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

Sample Request

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

Sample Response

```
<devices>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <device>
                <deviceID>a2e13f</deviceID>
                <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>2010-11-30T05:52:53.011+00:00</installedDate>
                <lastReported>2010-11-30T05:52:53.011+00:00</lastReported>
                <deviceStatus>Active</deviceStatus>
                <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
                <mailboxManaged>ActiveSync Managed</mailboxManaged>
                <mailboxDeviceID>Appl1234567</mailboxDeviceID>
                <mailboxLastReported>2010-11-30T05:52:53.011+00:00</mailboxLastReported>
        </device>
        <device>
```

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

Mandatory attributes in Response

- deviceID
- deviceName
- username
- platformName
- deviceType
- lastReported
- deviceStatus
- unifiedTravellerId (for iOS only. 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

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
groupID	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>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>
                <userCustomAttributes>
                        <customAttribute>
                                <customAttributeName>home</customAttributeName>
                                <customAttributeValue>msn.com</customAttributeValue>
```

```
                              </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

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
  o 1: Automated Request
  o 2: Policy
  o 3: Rules
  o 4: Apps
  o 5: Docs
  o 6: Corporate Doc Shares
  o 7: Group Based Rules
  o 8: Locations

Parameters

Parameter Name	Required / Optional	Description
customer	Required	Billing ID of the account for which the web-service is being executed
group	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>
```

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

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

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>2010-11-30T05:52:53.011+00:00</installedDate>
                <lastReported>2010-11-30T05:52:53.011+00:00</lastReported>
                <deviceStatus>Active</deviceStatus>
                <maas360ManagedStatus>Not Enrolled</maas360ManagedStatus>
                <mailboxManaged>ActiveSync Managed</mailboxManaged>
                <mailboxDeviceID>Appl1234567</mailboxDeviceID>
                <mailboxLastReported>2010-11-30T05:52:53.011+00:00</mailboxLastReported>
        </device>
```

```
        <device>
        …
        </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

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>2010-11-30T05:52:53.011+00:00</lastModifiedDate>
                <lastPublishedDate>2010-11-30T05:52:53.011+00:00</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)

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)

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>2010-11-30T05:52:53.011+00:00</actionExecutionTime>
        </complianceEvent>
        <complianceEvent>
        ….
```

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

Mandatory attributes in Response

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

Access Control

– Customer Properties: Enable Rules based Actions
– Access Rights: Rules - Read-only

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 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/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

- majorVersions

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

Search Apps

Request

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

Definition

❖ Search for 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

❖ 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 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
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
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

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>10</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <app>
                <appIconURL>https://cdn.maas360.com/icon1.png</appIconURL>
                <appName>Webex Productivity Tool</appName>
                <appId>com.sample.app</appId>
                <enterpriseRating>3</enterpriseRating>
                <fileName>ptools.app</fileName>
                <platform>iOS</platform>
                <appType>2</appType>
                <category>Games</category>
```

```
                    <fileSize>1.106</fileSize>
                    <status>active</status>
                    <deviceType>1</deviceType>
                    <vppCodes></vppCodes>
                    <distributions>1</distributions>
                    <installs>1</installs>
                    <pendingUpgrade>0</pendingUpgrade>
                    <uploadDate>2010-11-30T05:52:53.011+00:00</uploadDate>
                    <uploadedBy>1101234_jdoe</uploadedBy>
                    <lastUpdated>2010-11-30T05:52:53.011+00:00</lastUpdated>
        </app>
        <app>
        …
        </app>
</apps>
```

Mandatory attributes in Response

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

Access Control

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

Get App Details

Request

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

Definition

❖ Return all details of the Applications (only supported for Active Apps)

❖ 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
appId	Required	Unique ID of the application

Sample Request

GET *https://services.fiberlink.com/application-apis/applications/1.0/getAppDetails/1101234?appId=com.webex&appType=1*

Sample Response

```
<app>
        <appName>ExampleCo Productivity Tool</appName>
        <appId>com.example</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>
        <appFullVersion>1.0.100</appFullVersion>
        <appSize>10.5</appSize>
        <uploadDate>2010-11-30T05:52:53.011+00:00</uploadDate>
        <uploadedBy>1101234_jdoe</uploadedBy>
        <versionReleaseNotes>This new version includes color icons</versionReleaseNotes>
        <screenshotUrl>https://example.com/appstore/appnumber10/screenshot.png</screenshotUrl>
        <packageUpgradeTimestamp>2015-12-25T06:22:33.011+00:00</packageUpgradeTimestamp>
        <provisioningProfileExpiry>2016-11-30T05:52:53.011+00:00</provisioningProfileExpiry>
        <minimumOSVersion>4.3</minimumOSVersion>
        <secPolicies>
                <secPolicy>
                        <key>
                        <value>
                </secPolicy>
        <secPolicies>
        <appDiscoveryPortal>0</appDiscoveryPortal>
```

```
                    ## 0: Not Available, 1: View only, 2: View & Request
                    ## If App Discovery portal is enabled for the account
                    <appOwner>owner@example.com</appOwner>
                    ## If App Discovery portal is enabled for the account
                    <details>xyz</details>
                    <appAttributes>
                            <appAttribute>
                                    <attributeName>name</attributeName>
                                    <attributeValue>xyz</attributeValue>
                            </appAttribute>
                    </appAttributes>
</app>
```

Possible values for key for secPolicy:
- 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
- INSTAND_INSTALL_TRANSPORT (0: All Networks, 1: Wi-Fi only, 2: Wi-Fi & In-Network Cellular)

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

Search App Distributions

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 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
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
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>
```

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

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: 50.
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>
```

Access Control

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

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
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)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/distributeApp/1007263*

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
appId	Required	Unique ID of the application

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/deleteApp/1007263
?appType=1&appId=com.example.app*

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

Upgrade App (Recommended for Apps less 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)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/upgradeApp/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>
          <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

        o   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

Upgrade App (Recommended for Apps more 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)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/upgradeAppPlus/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>
            <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

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
appId	Required	Unique ID of the application
appVersion	Required	Version of the App to be marked as Primary
instantInstall	Optional	Possible values: true, false

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/markAsPrimary/1007263*

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

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

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
appId	Required	Unique ID of the application distributed
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

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/stopAppDistribution/1007263*

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

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
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)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/appITunesApp/1007263*

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application uploaded successfully.</description>
        <appId>com.sample.app</appId>
</actionResponse>
```

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
- 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

Access Control

– Customer Properties: Enable iOS App Store or Enable New App Management workflows
– Access Rights: Apps - Manage Apps

Add iTunes App Store App (v2)

Request

POST /application-apis/applications/2.0/addITunesApp/<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
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	

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>
```

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
- 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

Access Control

- Customer Properties: Enable iOS App Store or Enable New App Management workflows
- Access Rights: Apps - Manage Apps

Add iOS Enterprise App (Recommended for Apps less than 50 MB)

Request

POST /application-apis/applications/1.0/addIOSEnterpriseApp/<billingID>
Content Type Header: multipart/form-data

Definition

❖   Add an iOS Enterprise app to MaaS360

❖   The ipa 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
maas360Hosted	Optional	Default is Yes
appSource	Optional	The ipa 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
description	Optional	
category	Optional	
screenshot1	Optional	
screenshot2	Optional	
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	

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addIOSEnterpriseApp/1007263*

The request should contain 2 parts:
-    Part 1: Name = app_details; Value = XML file for attributes other than the file
     Format for the XML is as follows:
     <appDetails>
               <maas360Hosted>Yes</maas360Hosted>
               <appSourceURL></appSourceURL>
               <description>agskjdfvahfsvkjda</description>
               <category>General</category>
               <removeApp>Yes</removeApp>
               <restrictDataBackup>Yes</restrictDataBackup>
               <showInADP>2</showInADP>
               <appOwner>owner@example.com</appOwner>
               <appAttributes>
                         <appAttribute>
                                   <attributeName>name</attributeName>
                                   <attributeValue>xyz</attributeValue>

```
                    </appAttribute>
                </appAttributes>
        </appDetails>
    -   Part 2: Name = appSource; Value = upload file
    -   Part 3: Name = screenshot1; Value = Screenshot file1
    -   Part 4: Name = screenshot2; Value = Screenshot file2
```

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

Add iOS Enterprise App (Recommended for Apps more than 50 MB)

Request

POST /application-apis/applications/1.0/addIOSEnterpriseAppPlus/<billingID>
Content Type Header: multipart/form-data

Definition

❖ Add an iOS Enterprise app to MaaS360 with size more than 50 MB

❖ The ipa 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
maas360Hosted	Optional	Default is Yes
appSource	Optional	The ipa 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
description	Optional	
category	Optional	
screenshot1	Optional	
screenshot2	Optional	
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	

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addIOSEnterpriseAppPlus/1007263*

The request should contain 4 parts (Part 1 and 2 mandatory):
- Part 1: Name = app_details; Value = XML file for attributes other than the file
  Format for the XML is as follows:
  <appDetails>
          <maas360Hosted>Yes</maas360Hosted>
          <appSourceURL></appSourceURL>
          <description>agskjdfvahfsvkjda</description>
          <category>General</category>
          <removeApp>Yes</removeApp>
          <restrictDataBackup>Yes</restrictDataBackup>
          <showInADP>2</showInADP>
          <appOwner>owner@example.com</appOwner>
          <appAttributes>
                  <appAttribute>
                          <attributeName>name</attributeName>

```
                        <attributeValue>xyz</attributeValue>
                    </appAttribute>
                </appAttributes>
            </appDetails>
-    Part 2: Name = appSource; Value = upload file
-    Part 3: Name = screenshot1; Value = Screenshot file1
-    Part 4: Name = screenshot2; Value = Screenshot file2
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application upload requested successfully.</description>
        <appUploadRequestId>1234</appUploadRequestId>
</actionResponse>
```

Mandatory attributes in Response

-    status
-    appUploadRequestId

Access Control

-    Customer Properties: Enable iOS App Store or Enable New App Management workflows
-    Access Rights: Apps - Manage Apps

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

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

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)

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/appPlayApp/1007263*

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

Add Google Play App (v2)

Request

POST /application-apis/applications/2.0/addPlayApp/<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

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	

Sample Request

POST https://services.fiberlink.com/application-apis/applications/2.0/appPlayApp/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>
        <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

Add Android Enterprise App (Recommended for Apps less than 50 MB)

Request

POST /application-apis/applications/1.0/addAndroidEnterpriseApp/<billingId>
Content Type Header: multipart/form-data

Definition

❖   Add an Android Enterprise app to MaaS360

❖   The 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
maas360Hosted	Optional	Default is Yes
appSource	Optional	The 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
description	Optional	
category	Optional	
screenshot1	Optional	
screenshot2	Optional	
removeAppMDMRemoval	Required	Possible values: Yes, No
removeAppSelWipe	Required	Possible values: Yes, No
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
instantInstall	Required	Possible values: Yes, No
instantInstallTransport	Optional	If installInstall = Yes, then this is required. Possible values: 0: All Networks 1: Wi-Fi only 2: Wi-Fi & In-Network Cellular
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	

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addAndroidEnterpriseApp/1007263*

The request should contain 2 parts:
- Part 1: Name = app_details; Value = XML file for attributes other than the file
  Format for the XML is as follows:
  <appDetails>
      <maas360Hosted>Yes</maas360Hosted>
      <appSourceURL></appSourceURL>
      <description>gskjdfvahfsvkjdaasadd</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>owner@example.com</appOwner>
                    <appAttributes>
                            <appAttribute>
                                    <attributeName>name</attributeName>
                                    <attributeValue>xyz</attributeValue>
                            </appAttribute>
                    </appAttributes>
            </appDetails>
-    Part 2: Name = appSource; Value = upload file
-    Part 3: Name = screenshot1; Value = Screenshot file1
-    Part 4: Name = screenshot2; Value = Screenshot file2
```

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

Add Android Enterprise App (Recommended for Apps more than 50 MB)

Request

POST /application-apis/applications/1.0/addAndroidEnterpriseAppPlus/<billingId>
Content Type Header: multipart/form-data

Definition

❖ Add an Android Enterprise app to MaaS360 of size more than 50 MB.

❖ The 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
maas360Hosted	Optional	Default is Yes
appSource	Optional	The 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
description	Optional	
category	Optional	
screenshot1	Optional	
screenshot2	Optional	
removeAppMDMRemoval	Required	Possible values: Yes, No
removeAppSelWipe	Required	Possible values: Yes, No
enforceAuthentication	Required	Possible values: Yes, No
enforceCompliance	Required	Possible values: Yes, No
instantInstall	Required	Possible values: Yes, No
instantInstallTransport	Optional	If installInstall = Yes, then this is required. Possible values: 0: All Networks 1: Wi-Fi only 2: Wi-Fi & In-Network Cellular
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	

Sample Request

POST *https://services.fiberlink.com/application-apis/applications/1.0/addAndroidEnterpriseAppPlus/1007263*

The request should contain 2 parts:
- Part 1: Name = app_details; Value = XML file for attributes other than the file
  Format for the XML is as follows:
  <appDetails>
          <maas360Hosted>Yes</maas360Hosted>

```
                    <removeAppMDMRemoval>Yes</removeAppMDMRemoval>
                    <removeAppSelWipe>Yes</removeAppSelWipe>
                    <enforceAuthentication>Yes</enforceAuthentication>
                    <enforceCompliance>Yes</enforceCompliance>
                    <instantInstall>Yes</instantInstall>
                    <instantInstallTransport>2</instantInstallTransport>
                    <showInADP>2</showInADP>
                    <appOwner>owner@example.com</appOwner>
                    <appAttributes>
                            <appAttribute>
                                    <attributeName>name</attributeName>
                                    <attributeValue>xyz</attributeValue>
                            </appAttribute>
                    </appAttributes>
            </appDetails>
    -    Part 2: Name = appSource; Value = upload file
    -    Part 3: Name = screenshot1; Value = Screenshot file1
    -    Part 4: Name = screenshot2; Value = Screenshot file2
```

Sample Response

```
<actionResponse>
        <status>Success</status>
        <description>Application upload requested 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

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
partialUserName	Optional	Partial or full Username string that needs to be searched for
domain	Optional	Full domain name string that needs to be searched for
partialFullUsername	Optional	Partial or full "Full Username" string that needs to be searched for
partialEmailAddress	Optional	Partial or full Email Address that needs to be searched for
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

Sample Request
https://services.fiberlink.com/user-apis/user/1.0/search/1101234?
partialUserName=BBFL&partialFullUsername=ther&partialEmailAddress=therchek@example.com&include
AllUsers=0&match=0&pageSize=25&pageNumber=2

Sample Response
```
<users>
        <count>1000</count>
        <pageSize>50</pageSize>
        <pageNumber>2</pageNumber>
        <user>
```

```xml
                <userIdentifier>B3A139685EF3719620211A7A99AD0E34</userIdentifier>
                <userName>abarnes</userName>
                <emailAddress>abcd@example.com</emailAddress>
                <domain>ExampleDomain</domain>
                <status>Active</status>
                <location>Bangalore</location>
                <source>0</source>
                <authType>0</authType>
                <createDate>Sep 10, 2015 6:56:34 PM</createDate>
                <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>
                <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

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	

Sample Request

POST */user-apis/user/1.0/addUser/customer/1007463/*

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: User View - Edit

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	

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 uploaded successfully.</description>
</response>

Mandatory attributes in Response

- status

Access Control

– Customer Properties: Enable User View for Customer
– Access Rights: User View - Edit

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/1007463/user/99950C69056BF0971FCA5807F752C53*

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

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

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

Change Persona Policy

Request

POST /user-apis/user/1.0/billingID/<billingID>/user/<username>/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

Sample Request

POST *https://services.fiberlink.com/user-apis/user/1.0/billingID/1101234/user/jsmith/changePolicy*

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

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&attri
buteValue=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

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	Description
billingID	Required	Billing ID of the account for which the web-service is being executed
userName	Required	
domain	Required	

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

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

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*

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>
```

Mandatory attributes in Response

- customerBillingID
- adminUsername
- status

Access Control

- Customer Properties: -
- Access Rights: Manage Administrators

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

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
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.
forceAdminAcceptEULA	Optional	Account Name for the account to be provisioned. Default = No

Parameter Name	Required / Optional	Description
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

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

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*

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 or Onboard Partner

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

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*

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

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.

❖ 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: 15, 30, 45, 60, 90 • 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*

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

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>2012-01-19<creationDate>
                <trialDuration>60</trialDuration> ## of days for trial accounts, null in case of customers
```

```
                    <trialExpiryDate>YYYY-MM-DD</trialExpiryDate> ## date when this account expires in
            case of trial, null in case of customer
                    <customerConversionDate>YYYY-MM-DD</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

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*

Sample Response

```
<account>
        <billingId>1101234</billingId>
        <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>YYYY-MM-DD</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>2012-01-19<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

-   customerBillingId
-   accountStatus

Access Control

–   Customer Properties: Enable Provision New Customer
–   Access Rights: Onboard Customers

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
		  o 0 - Do Nothing
		  o 1 - Selective Wipe
		  o 2- Remove Control

allocatedSpace	Optional	• Values are in MBs
		• Possible values:
		  o 10
		  o 50
		  o 100
		  o 500
		  o 1000

Parameter Name	Required / Optional	Description
		○ 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

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/setCustomerConfig/1101234*
?customerBillingId=1101235?committedLicenseCount=1&adminEULASettings=0&endUserReacceptEULAEna
bled=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

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

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>2010-11-30T05:52:53.011+00:00</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

Get Device Enrollment Settings

Request

GET /provisioning-apis/provisioning/1.0/getDeviceEnrollSettings/<billingID>

Definition

❖ Return the following Device Enrollment Settings

- o Corporate Identifier
- o User Authentication Mode
- o Device Platforms allowed to Enroll
- o Prompt user to accept usage policy
- o Corporate Support information
- o 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

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

- o Corporate Identifier

- o User Authentication Mode

- o Device Platforms allowed to Enroll

- o Prompt user to accept usage policy

- o Corporate Support information

- o 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 will be a file that will be 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 atleast 1 value is required for this.

Sample Request

POST *https://services.fiberlink.com/provisioning-apis/provisioning/1.0/configureDeviceEnrollSettings/1101234*

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>
        <status>Success</status>
        <description>Device Enrollment Settings configured successfully. </description>
</actionResponse>

Mandatory attributes in Response
- status

Access Control
- Customer Properties: -
- Access Rights: Services Configuration

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
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*

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

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>
        <parnterBillingId>1101234</parnterBillingId>
        <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

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
		    o 0 - Do Nothing
		    o 1 - Selective Wipe
		    o 2- Remove Control

Sample Request

POST *https://services.fiberlink.com/account-provisioning/account/1.0/setPartnerAccountConfig/1101234*

Sample Response

```
<account>
      <partnerBillingId>1101234</partnerBillingId >
      <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

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

GET *https://services.fiberlink.com/account-provisioning/service/1.0/getServicesInfo/1224321 ?loggedInUserbillingId=1224321&customerBillingId=2004321*

Sample Response

```
<response>
   <status>SUCCESS</status>
   <count>5</count>
   <services>
     <service>
       <serviceKey>ACT_SYNC_NOTES</serviceKey>
       <description>Enable IBM Traveler and IBM Connections Cloud integration</description>
       <inputs/>
       <childServices/>
     </service>
     <service>
       <serviceKey>ENTERPRISE_GATEWAY</serviceKey>
       <description>Enable MaaS360 gateway</description>
       <inputs>
         <input>
           <name>Mode</name>
           <desc>Mention the Gateway Mode for the service. If selected mode is Relay then a list of
comma separated relay values can be passed for Relay while enabling the service.</desc>
           <required>MANDATORY</required>
           <supportedValues>
             <value>Direct</value>
             <value>Relay</value>
           </supportedValues>
         </input>
         <input>
           <name>Relay</name>
           <desc>This field can take comma separated values for the relay.</desc>
           <required>OPTIONAL</required>
           <supportedValues>
             <value>APAC-SGP Relay</value>
             <value>EU-UK Relay</value>
```

```xml
                    <value>JR Dev Home Relay</value>
                    <value>JR Dev Office Relay</value>
                    <value>Kartik Relay</value>
                    <value>NA-US-East Relay</value>
                    <value>QA Softlayer Relay</value>
                    <value>first</value>
                    <value>fourth</value>
                </supportedValues>
            </input>
        </inputs>
        <childServices/>
    </service>
    <service>
        <serviceKey>MAM_INT</serviceKey>
        <description>Enable Mobile Application Management</description>
        <inputs/>
        <childServices>
            <service>
                <serviceKey>APP_SECURITY</serviceKey>
                <description>Enable Mobile App security</description>
                <parentServiceKey>MAM_INT</parentServiceKey>
                <inputs/>
                <childServices/>
            </service>
            <service>
                <serviceKey>MALWARE_DETECT</serviceKey>
                <description>Enable threat management</description>
                <parentServiceKey>MAM_INT</parentServiceKey>
                <inputs/>
                <childServices/>
            </service>
            <service>
                <serviceKey>WP_APP_SECURITY</serviceKey>
                <description>Enable workplace app security</description>
                <parentServiceKey>MAM_INT</parentServiceKey>
                <inputs/>
                <childServices/>
            </service>
        </childServices>
    </service>
  </services>
</response>
```

Sample Error Response

```xml
<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	

ServiceKey	Description	Parent Service
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	DTM_C
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	DTM_C
MAC	Management for Mac desktops and laptops	DTM_C
MAC_V	Visibility services for Mac desktops and laptops	DTM_C
WINDOWS_DTM_C	Management for Windows desktops and laptops	DTM_C
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	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

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		
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	DTM_C
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	DTM_C
MAC	Management for Mac desktops and laptops	DTM_C
MAC_V	Visibility services for Mac desktops and	DTM_C

ServiceKey	Description	Parent Service
	laptops	
WINDOWS_DTM_C	Management for Windows desktops and laptops	DTM_C
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	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*

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

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	DTM_C
INT_DTM_BIGFIX_C	Advanced Patch Management using Bigfix	DTM_C
INT_DTM_LOCATE_C	Location tracking for Windows Desktops and Laptops	DTM_C
MAC	Management for Mac desktops and laptops	DTM_C
MAC_V	Visibility services for Mac desktops and laptops	DTM_C
WINDOWS_DTM_C	Management for Windows desktops and	DTM_C

ServiceKey	Description	Parent Service
	laptops	
WINDOWS_ENROLLMENT_MODE	Windows 10 MDM	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>
        <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

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>
```

```
</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
- CSN (maas360DeviceID)
- username or phonenumber
- device

Access Control

– Customer Properties: Enable User Usage Report, Enable Web Service
Access Rights: Portal Manager AccessReporting

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

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

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

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

Sample Request

GET *https://services.fiberlink.com/reporting-apis/bi/1.0/download/1101234/ BI_IA_MDMO?reportcode= BI_IA_MDMO_DEVICES_BY_PLATFORM*

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

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>
```

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

Parameter Name	Required / Optional	Description
		- Imei - String - 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>
```

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

Parameter Name	Required / Optional	Description
		- HTTP - Method Url - serial_number - String - os_version - String - phone_number - String

Sample Request

https://services.fiberlink.com/ciscoise/batchdevices/paging=0&querycriteria=macaddress&value=000000 000000&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>
```

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>
```

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>
```

Change History

#	Date	API	Type	Changes
1	03/06/2015	/applications/1.0/getAppDetails/	Existing	Corrected Sample Request in documentation - *appId* instead of *appID*
2	03/06/2015	/devices/1.0/search/	Existing	Support for new Optional search criteria – *mailboxDeviceId*
3	03/06/2015	/applications/1.0/addAndroidEnterpriseApp/	Existing	Corrected Sample Request in documentation - *addIOSEnterpriseAppPlus* instead of *appIOSEnterpriseAppPlus*
4	03/06/2015	/devices/1.0/softwareInstalled/	Existing	Return additional attribute *Manage Status* for apps installed on iOS device.
5	03/06/2015	/devices/1.0/enrollDevice/	Existing	Support for specifying optional attributes while creating Enrollment request - enrollWithMdm, workplacePolicy
1	06/06/2015	/devices/2.0/search/	New	1. Exclude Cloud Extenders by default 2. Enhanced version of device *search* API.
2	06/06/2015	/devices/1.0//locationHistory/	New	Returns location history of a device
3	06/06/2015	/devices/1.0/getGroups/	New	Returns Groups to which a device belongs to
4	06/06/2015	/devices/1.0/wipeDevice/	Existing	Support for activation lock bypass for wipe
5	06/06/2015	/devices/1.0//hideDevice/	New	Hide device action on a device
6	06/06/2015	/devices/1.0/updateDeviceCert/	New	Action to update Device Certificates issued to a device
7	06/06/2015	/devices/1.0/searchActionHistory/	Existing	Support for optional search criteria - actionStatus, actionBy, actionType , actionTimeFrom & actionTimeTo
8	06/06/2015	/devices/1.0/enrollDevice/	Existing	Support for specifying custom attribute values when creating enrollment request
9	06/06/2015	/devices/1.0/manageDeviceEnrollments/	Existing	Return custom attribute values specified for enrollment requests
10	06/06/2015	/devices/1.0/policies/	Existing	Support for filtering by Windows Phone and WorkPlace Persona policy
11	06/06/2015	/applications/1.0/getAppDetails	Existing	1. New attribute in response – appFullVersion 2. Support to return values for various App attributes set for the App
12	06/06/2015	/applications/1.0/getAppDistributionByDevice/	Existing	Support for new Optional search criteria – activeDistribution
13	06/06/2015	/applications/1.0/upgradeApp	Existing	1. Support for specifying App attributes 2. Support for maintainAsAdditionalVersion parameter
14	06/06/2015	/applications/1.0/upgradeAppPlus/	New	New API to upgrade to Enterprise apps with apk/ipa files greater than 50 MB
15	06/06/2015	/applications/1.0/markAsPrimary/	New	Mark a particular version of App as primary
16	06/06/2015	/applications/2.0/addITunesApp/	New	Enhanced version of *addITunesApp* API to support specifying App attributes
17	06/06/2015	/applications/1.0/addIOSEnterpriseApp	Existing	Support for specifying App attributes & categories
18	06/06/2015	/applications/1.0/addIOSEnterpriseAppPlus	Existing	Support for specifying App attributes & categories
19	06/06/2015	/applications/2.0/addPlayApp/	New	Enhanced version of *addPlayApp* API to support specifying App attributes
20	06/06/2015	/applications/1.0/addAndroidEnterpriseApp	Existing	Support for specifying App attributes & categories
21	06/06/2015	/applications/1.0/addAndroidEnterpriseAppPlus/	New	New API to add large android enterprise apps greater than 50 MB
22	06/06/2015	/user/1.0/search/	Existing	1. Enhancement to return User custom attributes 2. Support for new Optional search criteria - Domain
23	06/06/2015	/user/1.0/setCustomAttributes/	New	New API to set user custom attribute values

24	06/06/2015	/devices/1.0/updateUserCert/	New	Action to update User Certificates issued to all devices of a user
1	08/11/2015	/devices/1.0/changeRuleSet/	New	New API to assign a Compliance Ruleset for a device
2	08/11/2015	/devices/1.0/manageDeviceEnrollments/	Existing	Support to search by phoneNumber and phoneNumber & maaS360DeviceID in the response
3	08/11/2015	/group-apis/group/1.0/groups/	New	Returns User & Device Groups available to the currently logged-in Administrator
4	08/11/2015	/user-apis/user/1.0/searchByGroup/	New	Returns users in a User Group
5	08/11/2015	/group-apis/group/1.0/distributions/	New	Returns various distributions on a User or Device Group
6	08/11/2015	/device-apis/devices/1.0/policies/	Existing	1. Support for returning policies defined for OSX MDM service 2. Return policy precedence as an additional attribute
7	08/11/2015	/user-apis/user/1.0/search/	Existing	1. Support for filtering by authType 2. Return userIdentifier, authType and groupId as additional attributes in response
8	08/11/2015	/user-apis/user/1.0/addUser/	New	Add a new Local user account in MaaS360
9	08/11/2015	/user-apis/user/1.0/editUser/	New	Edit an existing Local user account in MaaS360
10	08/11/2015	/user-apis/user/1.0/addGroups/	New	Add one or more User Groups to a Local user account
11	08/11/2015	/user-apis/user/1.0/removeGroups/	New	Remove one or more User Groups from a Local user account
12	08/11/2015	/user-apis/user/1.0/userAttributes/	New	Returns all user custom attributes defined for an account
13	08/11/2015	/account-provisioning/account/1.0/getCustomerConfig/	Existing	Return allocatedSpace & usedSpace attributes in the response
14	08/11/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existing	Set allocatedSpace attribute for an account
15	08/11/2015	/device-apis/devices/1.0/searchActionHistory/	Existing	1. Support for returning only Compliance Events 2. Updated some attributes in response – deviceId, errorDescription
16	08/11/2015	/device-apis/devices/1.0/authenticateAdministrator	Existing	API deprecated & removed from documentation
1	10/09/2015	/devices/2.0/search/customer/	Existing	Search API V2 is released
2	10/09/2015	/devices/1.0/mdSecurityCompliance/	Existing	Added workplace persona policy and compliance keys
3	10/09/2015	/account-provisioning/account/1.0/getCustomerConfig/	Existing	Added support for external account IDs
4	10/09/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existing	Added support for external account IDs
5	10/09/2015	/createCustomerAccount/	Existing	Added support for external account IDs
5	10/09/2015	/applications/1.0/getAppDetails/	Existing	Added "What's New, package update time, and screenshot URLs
6	10/09/2015	/applications/1.0/distributeApp/	Existing	Added support for Send Notification flag
7	10/09/2015	/applications/1.0/upgradeApp/	Existing	Added support for "What's New" information
8	10/09/2015	/applications/1.0/upgradeAppPlus/	Existing	Added support for "What's New" information
9	10/09/2015	/devices/1.0/getEnabledMaaS360Services/	Existing	Added ability to get enabled services for a device
10	10/09/2015	/policymgmt-apis/policies/2.0/enabledServices/customer/	Existing	Added ability to get enabled services in a Persona Policy
11	10/09/2015	/searchCustomers/	Existing	Added ability to get the list of customers for a Partner
12	10/09/2015	/reporting-apis/bi/1.0/getDashboards/	Existing	Get list of available customer dashboards
13	10/09/2015	/reporting-apis/bi/1.0/download/	Existing	Download the detailed report
14	10/09/2015	/reporting-apis/bi/1.0/getReportList/	Existing	Added ability to get list of reports for a specified dashboard

1	12/10/2015	/device-apis/devices/1.0/assignUserToDevice/	New	Assigns a specified user to a device
2	12/10/2015	/applications/1.0/distributeApp/	Existing	Adds support to distribute a specific version
3	12/10/2015	/applications/1.0/upgradeApp/	Existing	Adds support to upgrade a specific version
4	12/10/2015	/account-provisioning/account/1.0/setCustomerConfig/	Existing	Added preferred language
5	12/10/2015	/createCustomerAccount/	Existing	Added preferred language
6	12/10/2015	/device-apis/devices/1.0/summary	Existing	Added a Test Device attribute
1	09/07/2016	/account-provisioning/accountreporting/1.0/getUserReport/	New	Get User's Enabled Services
2	09/07/2016	/account-provisioning/service/1.0/enableService/	New	Enable a Service for a Customer
3	09/07/2016	/account-provisioning/service/1.0/disableService/	New	Disable a Service for a Customer
4	09/07/2016	/account-provisioning/service/1.0/getServicesInfo/	New	Get Customer's Allowed Services
5	09/07/2016	/ciscoise/mdminfo /ciscoise/devices /ciscoise/batchdevices /ciscoise/action /ciscoise/sendmessage	New	All Cisco ISE integration APIs added
1	10/24/2016	/devices/1.0/getDeviceGroups/	Existing	Deprecated API removed

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