



XenMobile

XenMobile Public API for REST Services

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1 Introduction

The Public API for REST services enable users to call the services that are exposed through the unified console through any REST client. It does not require the login and authentication to unified console. Essentially, any service can be called directly.

This document provides complete details regarding XenMobile Public API for REST services.

2 Terminology

Unified Console (UC) or Control Point (CP)	Web-based UI for administrating XenMobile.
CLI	Command Line Interface is the console for the default administrator. This also the default console for users with the Admin role.
REST client	Most modern browsers have a REST client extension that allows calling REST services, consisting of request and payload.
OTP	One-Time PIN.

3 Public API for REST services

3.1 Public API RBAC configuration

For accessing the public API, the user would need to have ONE of the following permissions:-

- PUBLIC_API_ACCESS permission, which can be set via the RBAC settings page.
- Super user permission.

3.2 Usage guide

Public API services can be invoked from:

- Any REST client
- Using CURL commands

Below is a sample of how to invoke the public api services.

- REST client (Advanced REST client chrome) :

Modify host name and port according to the environment.

- Login

url: <https://hostname:4443/xenmobile/api/v1/authentication/login>

request:

```
{  
  "login": "administrator",  
  "password": "password"  
}
```

Method type: post

Content type: application/json

https://localhost:4443/xenmobile/api/v1/publicapi/login

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Raw Form Files (0) Payload

Encode payload Decode payload

```
{
  "login": "administrator",
  "password": "password"
}
```

application/json Set "Content-Type" header to overwrite this value.

Clear Send

Status 200 OK Loading time: 265 ms

Request headers User-Agent: Mozilla/5.0 (Windows NT 6.3; WOW64; AppleWebK/537.36 (KHTML, like Gecko) Chrome/41.0.2272.101 Safari/537.36
Origin: chrome-extension://hgmoiofddfnhng:elliidbtyelo
Content-Type: application/json
Accept: */*
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: JSESSIONID=8D607670B8CD51DE59CBFD6D91F9B163

Response headers Server: Apache-Coyote/1.1
Content-Type: text/plain
Content-Length: 53
Date: Sun, 22 Mar 2015 22:43:48 GMT

Raw Parsed Response

Open output in new window Copy to clipboard Save as file Open in JSON tab

```
("auth_token": "d4fdecf6-2e5a-4aed-8d60-f9a513b5c358")
```

Code highlighting thanks to Code Mirror

- Get Delivery groups by filter

url : /xenmobile/api/v1/deliverygroups/filter

request :

```
{
  "start": 1,
  "sortOrder": "DESC",
  "deliveryGroupSortColumn": "id",
  "search": "add"
}
```

method type : POST

content-type : application/json

https://localhost:4443/xenmobile/api/v1/publicapi/deliverygroups/filter/getdeliverygroupsbyfilter

GET POST PUT PATCH DELETE HEAD OPTIONS Other

Raw Form Headers

Add new header

auth_token d4fdecf6-2e5a-4aed-8d60-f9a513b5c358

Raw Form Files (0) Payload

Encode payload Decode payload

```
{
  "start": 1,
  "sortOrder": "DESC",
  "deliveryGroupSortColumn": "id"
}
```

application/json Set "Content-Type" header to overwrite this value.

Clear Send

Status 200 OK Loading time: 672 ms

Request headers auth_token: d4fdecf6-2e5a-4aed-8d60-f9a513b5c358
Origin: chrome-extension://hgmoiofddfnhng:elliidbtyelo
User-Agent: Mozilla/5.0 (Windows NT 6.3; WOW64; AppleWebK/537.36 (KHTML, like Gecko) Chrome/41.0.2272.101 Safari/537.36
Content-Type: application/json
Accept: */*
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.8
Cookie: JSESSIONID=8D607670B8CD51DE59CBFD6D91F9B163

Response headers Server: Apache-Coyote/1.1
Content-Type: application/json
Content-Length: 4928
Date: Sun, 22 Mar 2015 22:48:20 GMT

Raw JSON Response

Copy to clipboard Save as file

```
{
  "status": 0,
  "message": null,
  "dgListData": {
    "totalMatchCount": 8,
    "totalCount": 8,
    "dgList": [7]
  }
}
```

3.3 Operations exposed as part of Public API

The following table consists of the operations that are exposed as REST services, as part of the Public API:-

Function	REST service exposed as part of Public API	URL
Login	Login	/xenmobile/api/v1/authentication/login
	Logout	/xenmobile/api/v1/authentication/logout
Certificates	Get all certificates	xenmobile/api/v1/certificates
	Delete certificates	xenmobile/api/v1/certificates/
	Import certificate as SAML	xenmobile/api/v1/certificates/import/certificate/saml
	Import certificate as server	xenmobile/api/v1/certificates/import/certificate/server
	Import certificate as listener	xenmobile/api/v1/certificates/import/certificate/listener
	Create certificate	xenmobile/api/v1/certificates/csr
	Export certificate	xenmobile/api/v1/certificates/export
Keystore	Import keystore as server	xenmobile/api/v1/certificates/import/keystore/server
	Import keystore as SAML	xenmobile/api/v1/certificates/import/keystore/saml
	Import keystore as APNS	xenmobile/api/v1/certificates/import/keystore/apns
	Import keystore as SSL listener	xenmobile/api/v1/certificates/import/keystore/listener
Licenses	List configuration	xenmobile/api/v1/licenses
	Save License Info	xenmobile/api/v1/licenses
	Upload License File	xenmobile/api/v1/licenses/upload
	Activate License	xenmobile/api/v1/licenses/activate/{ licenseType }
	Remove All Licenses	xenmobile/api/v1/licenses
	Test License Server	xenmobile/api/v1/licenses/testserver
	Get Earliest Expiration Date	xenmobile/api/v1/licenses/getexpirationdate
LDAP	List configuration	xenmobile/api/v1/ldap

	Add new configuration	xenmobile/api/v1/ldap/msactivedirectory
	Edit LDAP configuration	xenmobile/api/v1/ldap/msactivedirectory/{ name }
	Set a default LDAP	xenmobile/api/v1/ldap/default/{ name }
	Delete an existing configuration	xenmobile/api/v1/ldap/{ name }
NetScaler Gateway	List all added NetScaler Gateways	xenmobile/api/v1/netscaler
	Add new configuration	xenmobile/api/v1/netscaler
	Edit NetScaler Gateway configuration	xenmobile/api/v1/netscaler/{ id }
	Set default NetScaler Gateway	xenmobile/api/v1/netscaler/default/{ id }
	Delete a NetScaler Gateway	xenmobile/api/v1/netscaler/{ id }
Notification Server	List all the added SMS and SMTP servers	xenmobile/api/v1/notificationserver
	Get details of added server	xenmobile/api/v1/notificationserver/{ id }
	Add new SMS server configuration	xenmobile/api/v1/notificationserver/sms
	Edit SMS server configuration	xenmobile/api/v1/notificationserver/sms/{ id }
	Add new SMTP server configuration	xenmobile/api/v1/notificationserver/smtp
	Edit SMTP server configuration	xenmobile/api/v1/notificationserver/smtp/{ id }
	Delete a server configuration	xenmobile/api/v1/notificationserver/{ id }
	Set default SMS configuration	xenmobile/api/v1/notificationserver/activate/sms/{ id }
	Set default SMTP configuration	xenmobile/api/v1/notificationserver/activate/smtp/{ id }
Users	Add/Edit User Property	xenmobile/api/v1/user/{ name }/property
	Assign User to Local Groups	xenmobile/api/v1/user/{ name }/localgroups
Local Users	Get Local Users	xenmobile/api/v1/localusersgroups

	Get User	xenmobile/api/v1/localusersgroups/{ name }
	Add User	xenmobile/api/v1/localusersgroups
	Import Provisioning File	xenmobile/api/v1/localusersgroups/importprovisioningfile
	Update User	xenmobile/api/v1/localusersgroups
	Delete Users	xenmobile/api/v1/localusersgroups/deletemultipleusers
	Delete User	xenmobile/api/v1/localusersgroups/{ name }
	Get Local Users By Filter	xenmobile/api/v1/localusersgroups/filter
	Change User Password	xenmobile/api/v1/localusersgroups/password
Local Groups	Get All Local Groups	xenmobile/api/v1/groups/local
	Get All Groups	xenmobile/api/v1/groups
	Search Group By Name	xenmobile/api/v1/groups/search?searchKey={ group_name }&domain=local
	Add Local Group	xenmobile/api/v1/groups/local
	Delete Local Group	xenmobile/api/v1/groups/local/{ group_name }
Device	Get Devices by filters	xenmobile/api/v1/device/filter
	Get Device Info by Device ID	xenmobile/api/v1/device/{ device_id }
	Get Device Applications by Device ID	xenmobile/api/v1/device/{ device_id }/apps
	Get Device Actions by ID	xenmobile/api/v1/device/{ device_id }/actions
	Get Device Delivery Groups by Device ID	xenmobile/api/v1/device/{ device_id }/deliverygroups
	Get Device managed software inventory by device ID	xenmobile/api/v1/device/{ device_id }/managedswinventory
	Get Device policies by device ID	xenmobile/api/v1/device/{ device_id }/policies
	Get Device software inventory by device ID	xenmobile/api/v1/device/{ device_id }/softwareinventory
	Get Device GPS Coordinates by Device ID	xenmobile/api/v1/device/locations/{ deviceId }
	Send Notification to	xenmobile/api/v1/device/notify

	list of devices/users	
	Authorize a list of devices	xenmobile/api/v1/device/authorize
	Activation Lock bypass on a list of devices	xenmobile/api/v1/device/activationLockBypass
	App Lock on a list of devices	xenmobile/api/v1/device/appLock
	App Wipe on a list of devices	xenmobile/api/v1/device/appWipe
	Container Lock on a list of devices	xenmobile/api/v1/device/containerLock
	Cancel Container lock on a list of devices	xenmobile/api/v1/device/containerLock/cancel
	Container Unlock on a list of devices	xenmobile/api/v1/device/containerUnlock
	Cancel Container Unlock on a list of devices	xenmobile/api/v1/device/containerUnlock/cancel
	Reset Container Password on a list of devices	xenmobile/api/v1/device/containerPwdReset
	Cancel Reset Container Password on a list of devices	xenmobile/api/v1/device/containerPwdReset/cancel
	Disown a list of devices	xenmobile/api/v1/device/disown
	Locate a list of devices	xenmobile/api/v1/device/locate
	Cancel Locating list of devices	xenmobile/api/v1/device/locate/cancel
	GPS Tracking list of devices	xenmobile/api/v1/device/track
	Cancel GPS Tracking list of devices	xenmobile/api/v1/device/track/cancel
	Lock list of devices	xenmobile/api/v1/device/lock
	Cancel Locking list of devices	xenmobile/api/v1/device/lock/cancel
	Unlock list of devices	xenmobile/api/v1/device/unlock
	Cancel Unlocking list of devices	xenmobile/api/v1/device/unlock/cancel
	Deploy list of devices	xenmobile/api/v1/device/refresh

	Request Airplay Mirroring on a list of devices	xenmobile/api/v1/device/requestMirroring
	Cancel Request for Airplay Mirroring on a list of devices	xenmobile/api/v1/device/requestMirroring/cancel
	Stop Airplay Mirroring on a list of devices	xenmobile/api/v1/device/stopMirroring
	Cancel Stop Airplay Mirroring on a list of devices	xenmobile/api/v1/device/stopMirroring/cancel
	Clear Restrictions on a list of devices	xenmobile/api/v1/device/restrictions/clear
	Cancel Clear Restrictions on a list of devices	xenmobile/api/v1/device/restrictions/clear/cancel
	Revoke a list of devices	xenmobile/api/v1/device/revoke
	Ring a list of devices	xenmobile/api/v1/device/ring
	Cancel Ring on a list of devices	xenmobile/api/v1/device/ring/cancel
	Wipe list of devices	xenmobile/api/v1/device/wipe
	Cancel Wipe list of devices	xenmobile/api/v1/device/wipe/cancel
	Selective Wipe list of devices	xenmobile/api/v1/device/selwipe
	Cancel Selective Wipe on a list of devices	xenmobile/api/v1/device/selwipe/cancel
	SD Card Wipe on a list of devices	xenmobile/api/v1/device/sdcardwipe
	Cancel SD Card Wipe on a list of devices	xenmobile/api/v1/device/sdcardwipe/cancel
	Get All Known Device Properties	xenmobile/api/v1/device/knownProperties
	Get All Device Used Properties	xenmobile/api/v1/device/usedProperties
	Retrieve All Device Properties by Device ID	xenmobile/api/v1/device/properties/{ deviceId }
	Update Device Properties in bulk by Device ID	xenmobile/api/v1/device/properties/{ deviceId }

	Add or Update device property by Device ID	xenmobile/api/v1/device/property/{ deviceId }
	Delete a device property by property ID	xenmobile/api/v1/device/property/{ propertyId }
	Retrieve iOS MDM Status by Device ID	xenmobile/api/v1/device/mdmStatus/{ deviceId }
	Generate PIN Code	xenmobile/api/v1/device/pincode/generate
	Get Device last location by device ID	xenmobile/api/v1/device/lastLocation/{ deviceId }
	Delete Device by device ID	xenmobile/api/v1/device/{ deviceId }
	Delete Devices in bulk by device ID	xenmobile/api/v1/device
Apps Management	Delete Application Container	xenmobile/api/v1/application/{ container id }
	Delete Application Containers	xenmobile/api/v1/application
	Get App Containers by Filter	xenmobile/api/v1/application/filter
	Get Appstore Apps Container by Container ID	xenmobile/api/v1/application/appstore/{ container id }
	Get Mobile Apps Container by Container ID	xenmobile/api/v1/application/mobile/{ container id }
	Upload MDX app in new app container	xenmobile/api/v1/application/mobile/mdx/{ platform }
	Upload MDX app to existing app container	xenmobile/api/v1/application/mobile/mdx/{ platform }/{ containerId }
	Edit platform details inside MDX app container	xenmobile/api/v1/application/mobile/mdx/{ platform }/{ containerId }
	Upload Enterprise app in new app container	xenmobile/api/v1/application/mobile/enterprise/{ platform }
	Upload Enterprise app to existing app container	xenmobile/api/v1/application/mobile/enterprise/{ platform }/{ containerId }
Delivery Groups	Add Delivery Group	xenmobile/api/v1/deliverygroups

	Edit Delivery Groups by ID or Name	xenmobile/api/v1/deliverygroups
	Get Delivery Groups by Filter	xenmobile/api/v1/deliverygroups/filter
	Get Delivery Group by ID or Name	xenmobile/api/v1/deliverygroups/{ IdOrName }
	Delete Delivery Groups by ID or Name	xenmobile/api/v1/deliverygroups
	Deploy Delivery Groups by ID or Name	xenmobile/api/v1/deliverygroups/deploy
	Enable/Disable Delivery Groups by ID or Name	xenmobile/api/v1/deliverygroups/{ IdOrName }/{ enable/disable }
	Get Deployment Status of Delivery Group by ID or Name	xenmobile/api/v1/deliverygroups/getdeploymentstatus/{ IdOrName }
RBAC	Get Roles	/xenmobile/api/v1/rbac/roles
	Get Role Definitions	/xenmobile/api/v1/rbac/role/{ role }
	Get Permission Tree	/xenmobile/api/v1/rbac/permissiontree/{ role }
	Get AD Groups for role	/xenmobile/api/v1/rbac/adgroups/{ role }
	Add Role	/xenmobile/api/v1/rbac/role
	Update Role	xenmobile/api/v1/rbac/role/{ role }
	Delete Role	/xenmobile/api/v1/rbac/role/{ role }
Enrollment	Get Enrollment Modes	xenmobile/api/v1/enrollment/modes
	Get Enrollment Information	/xenmobile/api/v1/enrollment/info
	Trigger Enrollment Notification	xenmobile/api/v1/enrollment/notify
	Create Enrollment Invitation	xenmobile/api/v1/enrollment
	Get Enrollment Records by Filter	xenmobile/api/v1/enrollment/filter
Client Properties	Get Client Properties	xenmobile/api/v1/clientproperties
	Get Client Property	/xenmobile/api/v1/clientproperties/{ property_name }

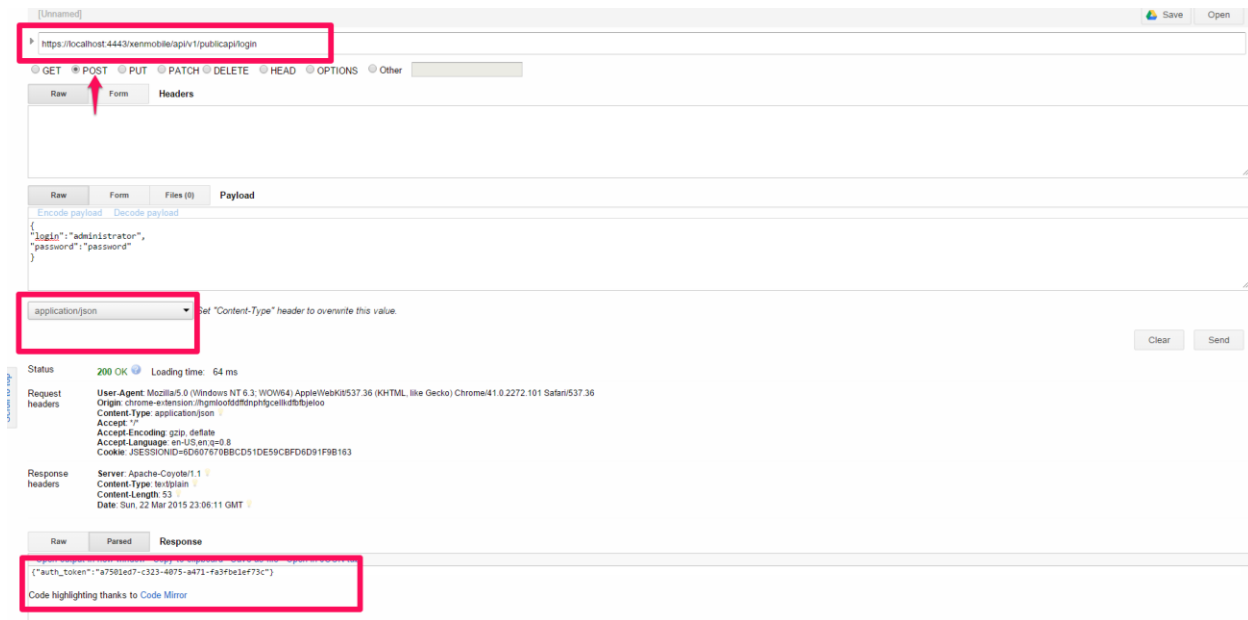
	Add Client Property	/xenmobile/api/v1/clientproperties
	Edit Client Property	/xenmobile/api/v1/clientproperties/{ property_name }
	Delete Client Property	/xenmobile/api/v1/clientproperties/{ property_name }
	Delete Client Properties	/xenmobile/api/v1/clientproperties
Client Branding	Add/Edit Client Branding	xenmobile/api/v1/clientbranding/store
	Delete Client Branding	/xenmobile/api/v1/clientbranding/{ platform }
Server Properties	Get All Server Properties	xenmobile/api/v1/serverproperties/
	Get Server Properties by Filter	xenmobile/api/v1/serverproperties/filter/
	Add Server Property	xenmobile/api/v1/serverproperties/
	Edit Server Property	xenmobile/api/v1/serverproperties/
	Reset Server Properties	xenmobile/api/v1/serverproperties/reset
	Delete Server Properties	xenmobile/api/v1/serverproperties

3.4 Login/Logout Public API

3.4.1 Sample Request : Login

URL	https://localhost:4443/xenmobile/api/v1/authentication/login
Request type	POST
Request parameters	<pre>{ "login": "administrator", "password": "password" }</pre>
Sample Response	<pre>{ "auth_token": "q483409eu82mkfrcdi90iv0gc:q483409eu82mkfrcdi90iv0gc" }</pre>

Request through Advanced REST client: Chrome



Response with auth_token

3.4.2 Sample Request : Logout

URL	https://hostname:4443/xenmobile/api/v1/authentication/logout
Request type	POST
Request header	Auth_token : auth token obtained during login
Request parameters	{ "login": "administrator" }
Response	{ "Status": "user administrator logged out successfully." }

3.4.3 CWC Login

URL	https://hostname:4443/xenmobile/api/v1/authentication/cwclogin
Request type	POST
Request header	Authorization : CWSAuth service=<ServiceKey>
Request parameters	{ "context": "customer or cloud", "customerId": "customer ID" }
Response	{ "auth_token": "authentication token" }

3.5 Certificates

3.5.1 Certificate Management

Certificate management operations would enable the user to view, delete, import and add certificates through the public API.

3.5.2 Operations

3.5.2.1 Get all certificates

This operation is responsible for getting all certificates by querying against the “certificate” table in the db.

URL	https://hostname:4443//xenmobile/api/v1/certificates
Request type	GET
Request header	Auth_token : auth token obtained during login
Request parameters	none
Response	

Sample Request:

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "csrRequest": null,
  "apnsCheck": null,
  "certificate": [
    {
      "name": "ent-root-ca",
      "description": "test description server 1",
      "validFrom": "2012-02-22",
      "validTo": "2017-02-21",
      "type": "chain",
      "isActive": false,
      "privateKey": "false",
      "ca": null,
      "id": 4656,
      "certDetails": {
        "signatureAlgo": "SHA1WithRSAEncryption",
        "version": null,
        "serialNum": "3482378818001184184572683464836871641
3",
        "issuerName": {
          "certString": "DC=com,DC=agsag,CN=ent-root-
ca",
          "emailAddress": null,
```

```

        "commonName": "ent-root-ca",
        "orgUnit": null,
        "org": null,
        "locality": null,
        "state": null,
        "country": null,
        "description": null
    },
    "subjectName": {
        "certString": "DC=com,DC=agsag,CN=ent-root-
ca",
        "emailAddress": null,
        "commonName": "ent-root-ca",
        "orgUnit": null,
        "org": null,
        "locality": null,
        "state": null,
        "country": null,
        "description": null
    }
}

},
"apnsCheckObj": {
    "topicNameMismatch": false,
    "certExpired": false,
    "certNotYetValid": false,
    "malformed": false
}
}

```

3.5.2.2 Delete certificates

This operation is responsible for deleting the certificate/certificates. The certificate id is a required request parameter.

URL	https://localhost:4443/xenmobile/api/v1/publicapi/certificates
Request type	DELETE
Request header	Auth_token : auth token obtained during login
Request parameters	{"certificateIds":["<certificate_id_1>","<certificate_id_2>"]}

3.5.2.3 Import certificate as SAML

The import certificate as SAML operation is used for importing a certificate, and will be used as a SAML certificate.

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/certificate/saml
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data
Request parameters	certImportData = { 'type': 'cert', 'checkTopicName': true, 'password': '1111', 'alias': '', 'useAs': 'saml', 'keystoreType': 'PKCS12', 'uploadType': 'certificate', 'description': 'test description' }
	uploadFile = <the actual file to be uploaded>
Sample Response	{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }

	<pre> } } </pre>
--	------------------------------

3.5.2.4 Import certificate as server

Import certificate as server is used for importing a certificate and will be used as a server certificate.

3.5.2.4.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/certificate/server
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data
Request parameters	<pre> certImportData = { 'type': 'cert', 'checkTopicName': true, 'password': '1111', 'alias': '', 'useAs': 'none', 'keystoreType': 'PKCS12', 'uploadType': 'certificate', 'description': 'test description' } </pre>
	uploadFile = <the actual file to be uploaded>
Sample Response	<pre> { "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } } </pre>

	}

3.5.2.5 Import certificate as listener

The import certificate as listener operation is used to import a certificate as SSL listener.

3.5.2.5.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/certificate/listener
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data
Request parameters	certImportData = { 'type': 'cert', 'checkTopicName': true, 'password': '1111', 'alias': '', 'useAs': 'listener', 'keystoreType': 'PKCS12', 'uploadType': 'certificate', 'description': 'test description' }
	uploadFile = <the actual file to be uploaded>
Sample Response	{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }

	<pre> } } </pre>
--	------------------------------

3.5.2.6 Create certificate

The create certificate operation is used to create a self signed certificate or a CSR request that needs CA signature.

3.5.2.6.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/csr
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Application/form_url_encoded
Sample Request	<pre> { "isSelfSign":true, "csrRequest":{ "commonName":"your certificate name", "description":"certificate description", "org":"organization", "orgUnit":"organization unit", "locality":"location", "state":"CA", "country":"US", "isSelfSign":true }, "validDays":"60", "keyLength":"1024", "useAs":"none" } </pre>
Sample Response	<pre> { status: 0 message: "Success" csrRequest: "" apnsCheck: null certificate: null apnsCheckObj: { topicNameMismatch: false certExpired: false certNotYetValid: false malformed: false } } </pre>

3.5.2.7 Export certificate

The export certificate operation is used to download the specified certificate.

3.5.2.7.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/export
Request type	POST
Request header	Auth_token : auth token obtained during login Content-type : application/json
Request parameters	<pre>{ "id": "300", "password": "1111", "exportPrivateKey": true }</pre>
Response :	On a successful request, certificate string should be shown.

Field name	Mandatory	Description	Format	
Id	true	Certificate ID	number	
Password		Password for the certificate that has been exported.		
exportPrivateKey		Flag for exporting private key information	boolean	

3.6 Keystores

3.6.1 Keystore Management

Keystore management operations would enable the user to import keystores through the public API.

3.6.1.1 Import keystore as server

Import keystore as server is used for importing a keystore and will be used as a server keystore.

3.6.1.1.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/keystore/server
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data
Request parameters	certImportData = { 'type': 'cert',

	<pre>'checkTopicName':true, 'password':'1111', 'alias':", 'useAs':'none', 'keystoreType':'PKCS12', 'uploadType':'keystore', 'description':'test description' }</pre>
	uploadFile = <certificate file>
Sample Response	<pre>{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }</pre>

3.6.1.2 Import keystore as SAML

Import keystore as server is used for importing a keystore and will be used as a server keystore.

3.6.1.2.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/keystore/saml
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data

Request parameters	<pre>certImportData = { 'type':'cert', 'checkTopicName':true, 'password':'1111', 'alias':'', 'useAs':'none', 'keystoreType':'PKCS12', 'uploadType':'keystore', 'description':'test description' }</pre>
	uploadFile = <certificate file>
Sample Response	<pre>{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }</pre>

3.6.1.3 Import keystore as APNS

Import keystore as server is used for importing a keystore and will be used as a server keystore.

3.6.1.3.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/keystore/apns
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : Multipart/form-data

Request parameters	<pre>certImportData = { 'type':'cert', 'checkTopicName':true, 'password':'1111', 'alias':'', 'useAs':apns, 'keystoreType':'PKCS12', 'uploadType':'keystore', 'description':'test description' }</pre>
	uploadFile = <certificate file>
Sample Response	<pre>{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }</pre>

3.6.1.4 Import keystore as SSL listener

Import keystore as server is used for importing a keystore and will be used as a server keystore.

3.6.1.4.1 Sample request response

URL	https://localhost:4443/xenmobile/api/v1/certificates/import/keystore/listener
Request type	POST
Request header	Auth_token : auth token obtained during login

	Content type : Multipart/form-data
Request parameters	<pre>certImportData = { 'type':'cert', 'checkTopicName':true, 'password':'1111', 'alias':"", 'useAs': 'listener', 'keystoreType':'PKCS12', 'uploadType':'keystore', 'description':'test description' }</pre>
	uploadFile = <certificate file>
Sample Response	<pre>{ "status": 0, "message": "Success", "csrRequest": null, "apnsCheck": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false }, "certificate": null, "apnsCheckObj": { "topicNameMismatch": false, "certExpired": false, "certNotYetValid": false, "malformed": false } }</pre>

3.7 Licenses

3.7.1 List configuration

This operation returns the licenses configurations and licenses list.

URL	https://localhost:4443/xenmobile/api/v1/licenses
Request type	GET

Request header	Auth_token : auth token obtained during login Content type : application/json
----------------	--

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "cpLicenseServer": {
    "serverAddress": "10.20.30.40",
    "localPort": 0,
    "remotePort": 27000,
    "serverType": "remote",
    "licenseType": "none",
    "isServerConfigured": true,
    "gracePeriodLeft": 0,
    "isRestartLpeNeeded": null,
    "isScheduleNotificationNeeded": null,
    "licenseList": [
      {
        "remainingDays": 58,
        "licenseType": "Retail",
        "expirationDate": "01-DEC-2015",
        "p_E_M": "CXM_ENTU_UD",
        "sdate": "2016.1201",
        "notice": "Citrix Systems Inc.",
        "vendorString": ";LT=Retail;GP=720;UDM=U;LP=90;CL=STD,ADV,ENT;SA=1;ODP=0",
        "licensesInUse": 1,
        "licensesAvailable": 1,
        "overdraftLicenseCount": 0,
        "serialNumber": "cxmretailent1000user"
      }
    ],
    "licenseNotification": {
      "id": 1,
```

```

        "notificationEnabled": false,
        "notifyFrequency": 7,
        "notifyNumberDaysBeforeExpire": 60,
        "recepientList": "",
        "emailContent": "License expiry notice"
    }
}
}

```

3.7.2 Save License Info

This operation updates the license configurations.

URL	https://localhost:4443/xenmobile/api/v1/licenses
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "serverAddress": "10.20.30.40",
  "localPort": 0,
  "remotePort": 27000,
  "serverType": "remote",
  "licenseType": "none",
  "isServerConfigured": true,
  "gracePeriodLeft": 0,
  "isRestartLpeNeeded": true,
  "isScheduleNotificationNeeded": true,
  "licenseList": [

  ],
  "licenseNotification": {
    "id": 1,
    "notificationEnabled": true,
    "notifyFrequency": 20,

```

```

    "notifyNumberDaysBeforeExpire": 60,
    "recepientList": "test@citrix.com",
    "emailContent": "License expiry notice"
  }
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "cpLicenseServer": {
    "serverAddress": "10.20.30.40",
    "localPort": 0,
    "remotePort": 27000,
    "serverType": "remote",
    "licenseType": "none",
    "isServerConfigured": true,
    "gracePeriodLeft": 0,
    "isRestartLpeNeeded": true,
    "isScheduleNotificationNeeded": true,
    "licenseList": [

  ],
  "licenseNotification": {
    "id": 1,
    "notificationEnabled": true,
    "notifyFrequency": 20,
    "notifyNumberDaysBeforeExpire": 60,
    "recepientList": "test@citrix.com",
    "emailContent": "License expiry notice"
  }
}

```

```
}
```

3.7.3 Upload License File

This operation uploads the local license file.

URL	https://localhost:4443/xenmobile/api/v1/licenses/upload
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

Sample Request:

```
uploadFile = <license file to be uploaded>
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "cpLicenseServer": null
}
```

3.7.4 Activate License

This operation activates the license type provided in URL.

URL	https://localhost:4443/xenmobile/api/v1/licenses/activate/{licenseType}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/licenses/activate/CXM_ENTU_UD
```

Sample Response:

```
{
  "status": 0,
  "message": "CXM_ENTU_UD license activated",
  "cpLicenseServer": null
}
```

```
}
```

3.7.5 Remove All Licenses

This operation removes the licenses list.

URL	https://localhost:4443/xenmobile/api/v1/licenses
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "isConnected": null
}
```

3.7.6 Test License Server

This operation test connection with provided remote server address and port

URL	https://localhost:4443/xenmobile/api/v1/licenses/testserver
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "serverAddress": "10.20.30.40",
  "remotePort": 27000
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
}
```



```
"isConnected": true
}
```

3.7.7 Get Earliest Expiration Date

This operation returns the earliest expiring date

URL	https://localhost:4443/xenmobile/api/v1/licenses/getexpirationdate
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "expiredDate": 1480579200000,
  "daysBeforeExpire": 47,
  "daysInPOC": 0
}
```

3.8 LDAP

3.8.1 List configuration

This operation lists the entire added LDAP configuration in the unified console

URL	https://localhost:4443/xenmobile/api/v1/ldap
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "adList": [
    {
      "domain": "agsag.com",
      "userBaseDN": "dc=agsag,dc=com",
    }
  ]
}
```

```

"groupBaseDN": "dc=agsag,dc=com",
"password": "",
"port": 389,
"username": "aaa@agsag.com",
"primaryHost": "10.20.30.40",
"useSecure": false,
"globalCatalogPort": 3268,
"secondaryHost": "",
"lockoutLimit": 0,
"userSearchBy": "upn",
"gcRootContext": "",
"lockoutTime": 1,
"domainAlias": "agsagAlias",
"name": "activedirectory",
"type": "activedirectory",
"defaultDomain": true

```

3.8.2 Add new configuration.

Currently adding a new Microsoft active directory is supported by UC.

This operation adds a new LDAP configuration. The domain name should be unique and cannot be same as other LDAP configuration.

URL	https://localhost:4443/xenmobile/api/v1/ldap/msactivedirectory
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "primaryHost": "10.20.30.40",
  "secondaryHost": "",
  "port": "389",
  "username": "aaa@agsag.com",
  "password": "123",
  "userBaseDN": "dc=agsag,dc=com",

```

```

"groupBaseDN": "dc=agsag,dc=com",
"lockoutLimit": "0",
"lockoutTime": "1",
"useSecure": "false",
"userSearchBy": "upn",
"domain": "agsag.com",
"domainAlias": "agsagAlias",
"globalCatalogPort": 3268,
"gcRootContext": ""
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "adList": []
}

```

Field name	Mandatory	Description	Format	
primaryHost	true	Primary server IP address or hostname	IP address or FQDN	
secondaryHost				
port	true	Port number		
username	true	Username for ldap authentication		
password	true	Password for authentication		
userBaseDN	true			
lockoutLimit				
lockoutTime				
useSecure				
userSearchBy	true		- upn	

			- samaccount	
domain	true	LDAP domain name which should be unique from other configuration		
domainAlias	true	Alias name for the domain		
globalCatalogPort				
gcRootContext				
groupBaseDN	true			
isDefault		This is a part of GET response which tells whether the LDAP is default one or not		
name		This is a part of GET response and is a unique identifier used to update or delete the config		

3.8.3 Edit LDAP configuration

This api will edit the existing LDAP configuration.

URL	https://localhost:4443/xenmobile/api/v1/ldap/msactivedirectory/{ name }
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Note: {**name**} is the unique identifier returned from the GET request. The request object for edit is same as that for adding a new configuration. Domain cannot be changed in edit mode.

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/ldap/msactivedirectory/activedirectory2
```

Sample Request:

```
{
```

```

"primaryHost": "10.20.30.40",
"secondaryHost": "",
"port": "389",
"username": "aaa@agsag.com",
"password": "123",
"userBaseDN": "dc=agsag,dc=com",
"groupBaseDN": "dc=agsag,dc=com",
"lockoutLimit": "0",
"lockoutTime": "1",
"useSecure": "false",
"userSearchBy": "upn",
"domain": "agsag.com",
"domainAlias": "agsagAlias",
"globalCatalogPort": 3268,
"gcRootContext": ""
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "adList": [
    {
      "domain": "agsag.com",
      "userBaseDN": "dc=agsag,dc=com",
      "groupBaseDN": "dc=agsag,dc=com",
      "password": "",
      "port": 389,
      "username": "aaa@agsag.com",
      "primaryHost": "10.20.30.40",
      "useSecure": false,
      "globalCatalogPort": 3268,
      "secondaryHost": "",

```

```

    "lockoutLimit": 0,
    "userSearchBy": "upn",
    "gcRootContext": "",
    "lockoutTime": 1,
    "domainAlias": "agsagAlias",
    "name": "activedirectory",
    "type": "activedirectory",
    "defaultDomain": true
  }
]
}

```

3.8.4 Set a default LDAP

This api will set the existing LDAP configuration as a default domain.

URL	https://localhost:4443/xenmobile/api/v1/ldap/default/{ name }
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Note: { **name** } is the unique identifier returned from the GET request.

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/ldap/default/activedirectory2
```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "adList": []
}

```

3.8.5 Delete an existing configuration

This api will delete the already added configuration.

URL	https://localhost:4443/xenmobile/api/v1/ldap/{ name }
-----	--

Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Note: **{name}** is the unique identifier returned from the GET request.

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/ldap/activedirectory2
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "adList": []
}
```

3.9 NetScaler Gateway configuration

3.9.1 List all the added NetScaler Gateways

This operation lists the entire added NetScaler Gateway configuration in the unified console

URL	https://localhost:4443/xenmobile/api/v1/netscaler
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "agList": [
    {
      "name": "NSG",
      "alias": "NSG-1",
      "url": "https://externalURL.com",
      "passwordRequired": false,
      "logonType": "Domain",

```

```

    "callback": [
      {
        "callbackUrl": "http://ag.com",
        "ip": "10.20.30.40"
      }
    ],
    "id": "1",
    "default": true
  }
]
}

```

Field name	Mandatory	Description	Format	
name	true	Unique name for the AG configuration		
alias				
url	true	Publicly accessible url for AG		
passwordRequired	true			
logonType	true		Values accepted domain-only domain-token domain-certificate certificate-only certificate-token token-only	
callback	Optional			
default	true	Set it to true or false while adding or editing netscaler gateway. If this param is not passed, the NSG	true false	

		default will be set to false		
id		This is a part of GET response which can be used for editing, deleting and setting a default config		

3.9.2 Add new configuration.

This operation adds a new NetScaler Gateway configuration.

URL	https://localhost:4443/xenmobile/api/v1/netscaler
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "displayName",
  "alias": "Alias",
  "url": "https://externalURL.com",
  "passwordRequired": false,
  "logonType": "Domain",
  "callback": [
    {
      "callbackUrl": "http://ag.com",
      "ip": "10.20.30.40"
    }
  ],
  "default": false
}
```

Sample Response:

```
{
  "status": 0,
```

```
"message": "Success",
"agList": []
}
```

3.9.3 Edit NetScaler configuration.

This operation edits the existing NetScaler Gateway configuration.

URL	https://localhost:4443/xenmobile/api/v1/netscaler/{id}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/netscaler/304
```

Sample Request:

```
{
  "name": "displayName7",
  "alias": "Alias",
  "url": "https://externalURL7.com",
  "passwordRequired": true,
  "logonType": "Domain",
  "callback": [
    {
      "callbackUrl": "http://ag.com",
      "ip": "10.20.30.40"
    }
  ],
  "default": false
}
```

Sample Response:

```
{
```

```

    "status": 0,
    "message": "Success",
    "agList": []
}

```

3.9.4 Delete a NetScaler configuration.

This operation deletes a NetScaler Gateway configuration.

URL	https://localhost:4443/xenmobile/api/v1/netscaler/{ id }
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/netscaler/304
```

Sample Response:

```

{
    "status": 0,
    "message": "Success",
    "agList": []
}

```

3.9.5 Set default configuration.

This operation sets the provided NetScaler Gateway configuration as the default.

URL	https://localhost:4443/xenmobile/api/v1/netscaler/default/{ id }
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/netscaler/default/304
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "agList": []
}
```

3.10 Notification Server

With notification server api's you will be able to add/edit/delete the configuration for SMS server and SMTP server.

3.10.1 List all the added SMS and SMTP server

This operation lists the entire added SMS/SMTP configuration in the unified console

URL	https://localhost:4443/xenmobile/api/v1/notificationserver
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json Accept: application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "list": [
    {
      "id": 2,
      "active": "true",
      "name": "Nexmo",
      "server": "Nexmo",
      "serverType": "SMS"
    },
    {
      "id": 1,
      "active": "true",

```

```

    "name": "SMTP Server",
    "server": "smtp.gmail.com",
    "serverType": "SMTP"
  }
],
"details": null
}

```

3.10.2 Get details of added server

This operation gets all the details of the added server by id

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/{ id }
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json Accept: application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/1
```

Sample Response (SMTP) :-

```

{
  "status": 0,
  "message": "Success",
  "list": [],
  "details": {
    "id": 1,
    "active": null,
    "name": "SMTP Server",
    "server": "smtp.gmail.com",
    "serverType": "SMTP",
    "description": "SMTP Server",
    "secureChannelProtocol": "TLS",
    "port": 587,

```

```
"authentication": true,
"username": "test@gmail.com",
"password": "123",
"msSecurePasswordAuth": false,
"fromName": "TEST XMS",
"fromEmail": "test@gmail.com",
"numOfRetries": 5,
"timeout": 30,
"maxRecipients": 100
}
}
```

Sample Response (SMS) :-

```
{
  "status": 0,
  "message": "Success",
  "list": [],
  "details": {
    "id": 2,
    "active": null,
    "name": "Nexmo",
    "server": "Nexmo",
    "serverType": "SMS",
    "description": "Nexmo",
    "key": "12345690",
    "secret": "12345678",
    "virtualPhoneNumber": "1234567890",
    "https": true,
    "country": "+1",
    "carrierGateway": true
  }
}
```

3.10.3 Add new SMS server configuration.

This operation adds a new SMS server configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/sms
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "displayName",
  "description": "Description",
  "country": "+93",
  "https": "false",
  "key": "123456",
  "secret": "secretKey",
  "virtualPhoneNumber": "4086792222",
  "carrierGateway": "true"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Operation completed successfully"
}
```

3.10.4 Edit SMS server configuration.

This operation edits the existing SMS server configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/sms/{id}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/sms/3
```

Sample Request:

```
{
  "name": "displayName",
  "description": "Description",
  "country": "+93",
  "https": "true",
  "key": "123456",
  "secret": "secretKey",
  "virtualPhoneNumber": "4086792222",
  "carrierGateway": "true"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Operation completed successfully"
}
```

3.10.5 Add new SMTP server configuration.

This operation adds a new SMTP server configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/smtp
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "SMTP Server 2",
  "server": "smtp.gmail.com",
  "serverType": "SMTP",
}
```



```

    "description": "SMTP Server",
    "secureChannelProtocol": "TLS",
    "port": 587,
    "authentication": true,
    "username": "test@gmail.com",
    "password": "123",
    "msSecurePasswordAuth": false,
    "fromName": "TEST XMS",
    "fromEmail": "test@gmail.com",
    "numOfRetries": 5,
    "timeout": 30,
    "maxRecipients": 100
  }

```

Sample Response:

```

{
  "status": 0,
  "message": "Operation completed successfully"
}

```

3.10.6 Edit SMTP server configuration.

This operation edits the existing SMTP gateway configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/smtp/{id}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/smtp/4
```

Sample Request:

```
{
```

```

"name": "SMTP Server 2",
"server": "smtp.gmail.com",
"serverType": "SMTP",
"description": "SMTP Server Description",
"secureChannelProtocol": "TLS",
"port": 587,
"authentication": true,
"username": "test@gmail.com",
"password": "123",
"msSecurePasswordAuth": false,
"fromName": "TEST XMS",
"fromEmail": "test@gmail.com",
"numOfRetries": 5,
"timeout": 30,
"maxRecipients": 100
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Operation completed successfully"
}

```

3.10.7 Delete a server configuration.

This operation deletes the added SMS or SMTP server.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/{id}
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/4
```

Sample Response:

```
{
  "status": 0,
  "message": "Operation completed successfully"
}
```

3.10.8 Set default SMS configuration.

This operation sets the default SMS configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/activate/sms/{id}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/activate/sms/3
```

Sample Response:

```
{
  "status": 0,
  "message": "Operation completed successfully"
}
```

3.10.9 Set default SMTP configuration.

This operation sets the default SMTP configuration.

URL	https://localhost:4443/xenmobile/api/v1/notificationserver/activate/smtp/{id}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/notificationserver/activate/smtp/5
```

Sample Response:

```
{
  "status": 0,
  "message": "Operation completed successfully"
}
```

Field name	Mandatory	Description	Format	
name	True	Unique name for the SMS/SMTP configuration		
serverType		This is the type of notification server which you have added	SMS SMTP	This information is sent by the server in the Get request
active		This returns true or false indicating whether the server is currently being used for notification		Only one server can be active for each type.
id		Unique id sent by the server which should be used to edit/delete and activate server		
description		Description for the sms/smtp server		
SMS parameters				
key	True			
secret	True			
virtualPhoneNumber	True		Should be in phone number format	
https	True		Values accepted true	Default is false

			false	
country	True			
carrierGateway	True		Values accepted true false	Default is false
SMTP Server parameters				
secureChannelProtocol	True		Values accepted NONE SSL TLS	Default is None
port	True			
authentication	Required		Values accepted: true false	
username	True if authentication is set to true			
password	True if authentication is set to true			
msSecurePasswordAuth	True		Values accepted: True false	Default value is false
fromName	True			
fromEmail	True			
numOfRetries			Integer value	Default value 5
timeout			Integer value	Default value 30
maxRecipients			Integer value	Default value 100

3.11 Delivery Groups

3.11.1 Get Delivery Groups by Filter

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups/filter
-----	---

Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "start": 1,
  "sortOrder": "DESC",
  "deliveryGroupSortColumn": "id",
  "limit": 10,
  "search": "add"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "dgListData": {
    "totalMatchCount": 7,
    "totalCount": 10,
    "dgList": [{
      "id": null,
      "name": "add delivery group 6.0",
      "description": "testing add delivery group 6.0",
      "groups": [{
        "id": null,
        "userListId": null,
        "name": "AC08EP61S75",
        "uniqueName": "AC08EP61S75",
        "uniqueId": "AC08EP61S75",
        "domainName": "local",
        "primaryToken": null,
        "objectSid": null,
        "customProperties": {
```

```

        "CWCUserID": "Usertree/AD/usertree1.com/S-1
-5-21-1967764551-856306151-3571598965-1192"
    },
    ],
    "users": [{
        "uniqueName": "TempUser",
        "domainName": "local",
        "name": "TempUser",
        "objectSid": null,
        "customProperties": {
            "CWCUserID": "Usertree/AD/usertree1.com/S-1
-5-21-1967764551-856306151-3571598965-1235"
        },
        "uniqueId": "TempUser"
    }],
    "zoneId": null,
    "zoneDomain": null,
    "rules": "{\\"AND\\":[{\\\"values\\\":{\\\"stringOperator\\\":\\\"eq\\\",\\\"value\\\":\\\"shankar.ganesh@citrix.com\\\"},\\\"ruleId\\\":\\\"001-restrictUserPropEmail\\\"}]}\",
    \"disabled\": false,
    \"lastUpdated\": 1427144713353,
    \"anonymousUser\": true,
    \"roledefLangVersionId\": 1,
    \"applications\": [{
        \"name\": \"Web Link\",
        \"required\": false
    }, {
        \"name\": \"GoogleApps_SAML\",
        \"required\": true
    }],
    \"devicePolicies\": [
        \"test terms conditions\"
    ],
    \"smartActions\": [

```

```

        "shankar ganesh"
    ],
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0
}
}
}

```

3.11.2 Get Delivery Group by Name or ID

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups/{IdOrName}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL (with name):

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/AllUsers
```

Sample URL (with ID):

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/1
```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "role": {
    "id": 2,
    "name": "AllUsers",
    "description": "default role",
    "groups": [{
      "id": null,
      "userListId": null,
      "name": "AC08EP61S75",
      "uniqueName": "AC08EP61S75",
    }
  ]
}

```



```

        "uniqueId": "AC08EP61S75",
        "domainName": "local",
        "primaryToken": null,
        "objectSid": null,
        "customProperties": {
            "CWCUserID": "Usertree/AD/usertree1.com/S-1-5-21-1967764551-856306151-3571598965-1192"
        }
    }],
    "users": [{
        "uniqueName": "TempUser",
        "domainName": "local",
        "name": "TempUser",
        "objectSid": null,
        "customProperties": {
            "CWCUserID": "Usertree/AD/usertree1.com/S-1-5-21-1967764551-856306151-3571598965-1235"
        },
        "uniqueId": "TempUser"
    }],
    "zoneId": null,
    "zoneDomain": null,
    "rules": null,
    "disabled": false,
    "lastUpdated": null,
    "anonymousUser": false,
    "roledefLangVersionId": 1,
    "applications": [{
        "name": "TESTAPP1",
        "priority": -1,
        "required": false
    }, {
        "name": "TESTAPP2",
        "priority": -1,

```

```

        "required": false
    }],
    "devicePolicies": [{
        "name": "TestPolicy1",
        "priority": -1
    }, {
        "name": "TestPolicy",
        "priority": -1
    }],
    "smartActions": [{
        "name": "TestAction2",
        "priority": -1
    }, {
        "name": "TestAction3",
        "priority": -1
    }],
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0
}
}

```

3.11.3 Edit Delivery Group by ID or Name

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request (With ID):

```

{
    "id": "3",
    "description": "temp3 desc",
    "applications": [{
        "name": "TESTAPP",

```

```

        "priority": -1,
        "required": false
    }],
    "devicePolicies": [{
        "name": "test terms conditions",
        "priority": -1
    }],
    "smartActions": [{
        "name": "Smart Action Name 1",
        "priority": -1
    }],
    "groups": [{
        "domainName": "local",
        "customProperties": {
            "CWCUserID": "My User Group ID"
        },
        "uniqueId": "AC08EP61S75"
    }],
    "users": [{
        "domainName": "local",
        "customProperties": {
            "CWCUserID": "Usertree/AD/usertree1.com/S-1-5-21-1967764551-856306151-3571598965-1235"
        },
        "uniqueId": "TempUser"
    }],
    "rules": "{\\"AND\\": [{\\"eq\\": {\\"property\\": {\\"type\\": \\"USER_PROPERTY\\", \\"name\\": \\"mail\\"}, \\"type\\": \\"STRING\\", \\"value\\": \\" testuser@citrix.com \\"}}]}"
}

```

Sample Request (With Name):

```

{
    "name": "Temp 3",

```

```

"description": "temp3 desc",
"applications": [
    {
        "name": "TESTAPP",
        "priority": -1,
        "required": false
    }
],
"devicePolicies": [{
    "name": "test terms conditions",
    "priority": -1
}],
"smartActions": [{
    "name": "Smart Action Name 1",
    "priority": -1
}],
"groups": [{
    "domainName": "local",
    "customProperties": {
        "CWCUserID": "My User Group ID"
    },
    "uniqueId": "AC08EP61S75"
}],
"users": [{
    "domainName": "local",
    "customProperties": {
        "CWCUserID": "Usertree/AD/usertree1.com/S-1-5-21-1967764551-856306151-3571598965-1235"
    },
    "uniqueId": "TempUser"
}],
"rules": "{\\"AND\\": [{\\"eq\\": {\\"property\\": {\\"type\\": \\"USER_PROPERTY\\", \\"name\\": \\"mail\\"}, \\"type\\": \\"STRING\\", \\"value\\": \\" testuser@citrix.com \\"} } ]}"
}

```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "role": {
    "id": 3,
    "name": "temp4",
    "description": "temp4 desc",
    "zoneId": null,
    "zoneDomain": null,
    "rules": "{\\"AND\\": [{\\"eq\\": {\\"property\\": {\\"type\\": \\"USER_PROPERTY\\", \\"name\\": \\"mail\\"}, \\"type\\": \\"STRING\\", \\"value\\": \\"tempuser@citrix.com\\"}}}]",
    "disabled": false,
    "lastUpdated": null,
    "anonymousUser": false,
    "roledefLangVersionId": null,
    "applications": [{
      "name": "TESTAPP2",
      "priority": -1,
      "required": false
    }, {
      "name": "TESTAPP2",
      "priority": -1,
      "required": false
    }],
    "devicePolicies": [{
      "name": "TestPolicy1",
      "priority": -1
    }, {
      "name": "TestPolicy",
      "priority": -1
    }],
    "smartActions": [{
```

```

        "name": "TestAction2",
        "priority": -1
    }, {
        "name": "TestAction3",
        "priority": -1
    }],
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0,
    "groups": [{
        "uniqueName": "AC08EP61S75",
        "domainName": "local",
        "name": "AC08EP61S75",
        "objectSid": "AC08EP61S75",
        "uniqueId": "AC08EP61S75",
        "customProperties": {
            "gr1": "gr1",
            "gr2": "gr2"
        }
    }],
    "users": [{
        "uniqueName": " tempuser ",
        "domainName": "local",
        "name": " tempuser ",
        "objectId": " tempuser ",
        "customProperties": null,
        "uniqueId": " tempuser "
    }
}
}

```

3.11.4 Add Delivery Group

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups
-----	---

Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "temp3",
  "description": "temp3 desc",
  "applications": [{
    "name": "TESTAPP",
    "priority": -1,
    "required": false
  }],
  "devicePolicies": [{
    "name": "test terms conditions",
    "priority": -1
  }],
  "smartActions": [{
    "name": "Smart Action Name 1",
    "priority": -1
  }],
  "groups": [{
    "domainName": "local",
    "customProperties": {
      "CWCUserID": "My User Group ID"
    },
    "uniqueId": "AC08EP61S75"
  }],
  "users": [{
    "domainName": "local",
    "customProperties": {
      "CWCUserID": "Usertree/AD/usertree1.com/S-1-5-21-1967764551-856306151-3571598965-1235"
    },
    "uniqueId": "TempUser"
  }]
```

```

    }],
    "rules": "{\\"AND\\": [{\\"eq\\": {\\"property\\": {\\"type\\": \\"USER_PROPERTY\\", \\"name\\": \\"mail\\"}, \\"type\\": \\"STRING\\", \\"value\\": \\" testuser@citrix.com\\"} } ]}"
  }

```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "role": {
    "id": 23,
    "name": "temp4",
    "description": "temp4 desc",
    "zoneId": null,
    "zoneDomain": null,
    "rules": "{\\"AND\\": [{\\"eq\\": {\\"property\\": {\\"type\\": \\"USER_PROPERTY\\", \\"name\\": \\"mail\\"}, \\"type\\": \\"STRING\\", \\"value\\": \\"shankar.ganesh@citrix.com\\"} } ]}"
  ,
    "disabled": false,
    "lastUpdated": null,
    "anonymousUser": false,
    "roledefLangVersionId": null,
    "applications": [{
      "name": "TESTAPP2",
      "priority": -1,
      "required": false
    }, {
      "name": "TESTAPP2",
      "priority": -1,
      "required": false
    }],
    "devicePolicies": [{
      "name": "TestPolicy1",
      "priority": -1
    }
  ]
}

```



```

    }, {
        "name": "TestPolicy",
        "priority": -1
    }],
    "smartActions": [{
        "name": "TestAction2",
        "priority": -1
    }, {
        "name": "TestAction3",
        "priority": -1
    }],
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0,
    "groups": [{
        "uniqueName": "AC08EP61S75",
        "domainName": "local",
        "name": "AC08EP61S75",
        "objectSid": "AC08EP61S75",
        "uniqueId": "AC08EP61S75",
        "customProperties": {
            "gr1": "gr1",
            "gr2": "gr2"
        }
    }],
    "users": [{
        "uniqueName": " tempuser ",
        "domainName": "local",
        "name": " tempuser ",
        "objectId": " tempuser ",
        "customProperties": null,
        "uniqueId": " tempuser "
    }
]

```

```
}  
}
```

3.11.5 Delete Delivery Group(s) by ID or Name

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request (With IDs):

```
[23, 25]
```

Sample Request (With Names):

```
["Delivery Group 1", "Delivery Group 5"]
```

Sample Response:

```
{  
    "status": 0,  
    "message": "Success",  
    "roleNames": [  
        "add delivery group 11.0"  
    ]  
}
```

3.11.6 Enable/Disable Delivery Group by ID or Name

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups/{IdOrName}/{enable/disable}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL (With ID):

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/1/disable
```

Sample URL (With Name) :

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/AllUsers/disable
```

Sample Response:

```
{
    status: 0
    message: "Success"
    roleName: "AllUsers"
}
```

3.11.7 Deploy Delivery Group(s) by ID or Name

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups/deploy
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request (With ID):

```
[23, 25]
```

Sample Request (With Name):

```
["Delivery Group 1", "Delivery Group 5"]
```

Sample Response:

```
{
    status: 0
    message: "Success"
}
```

3.11.8 Get Deployment Status of Delivery Group by ID or Name

URL	https://hostname:4443/xenmobile/api/v1/deliverygroups/getdeploymentstatus/{IdOrName}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL (With ID):

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/getdeploymentstatus/1
```

Sample URL (With Name) :

```
https://hostname:4443/xenmobile/api/v1/deliverygroups/getdeploymentstatus/AllUsers
```

Sample Response:

```
{
    name: "AllUsers",
    nbSuccess: 2,
    nbFailure: 0,
    nbPending: 0
}
```

3.12 Users

3.12.1 Add/Update User Property

URL	https://hostname:4443/xenmobile/api/v1/user/{name}/property
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/user/user@xyz.net/property
```

Sample Request:

```
{
    "name": "sn",
    "value": "USER 2"
}
```

Sample Response:

```
{
    "status": 0,
    "message": "Success"
}
```

3.12.2 Assign user to Local Groups

URL	https://hostname:4443/xenmobile/api/v1/user/{name}/localgroups
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/user/user@xyz.net/localgroups
```

Sample Request:

```
[  
    "Group 1", "Group 2"  
]
```

Sample Response:

```
{  
    "status": 0,  
    "message": "Success"  
}
```

3.13 Local Users

3.13.1 Get All Users

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{  
    "status": 0,  
    "message": "Success",  
    "users": [  
        {  
            "userid": 8,  
            "username": "admin",
```

```

    "password": null,
    "confirmPassword": null,
    "groups": [

    ],
    "attributes": {
        "company": "citrix"
    },
    "role": "ADMIN",
    "roles": [
        "ADMIN"
    ],
    "createdOn": "10/14/16 4:00 PM",
    "lastAuthenticated": "10/14/16 4:00 PM",
    "domainName": "local",
    "adUser": false,
    "vppUser": false,
    "vppAccounts": null
}
]
}

```

3.13.2 Get User

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups/{ name }
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/localusersgroups/admin
```

```

Sample Response:{
    "status": 0,

```

```

"message": "Success",
"user": {
  "userid": 8,
  "username": "admin",
  "password": null,
  "confirmPassword": null,
  "groups": [

  ],
  "attributes": {
    "company": "citrix"
  },
  "role": "ADMIN",
  "roles": [
    "ADMIN"
  ],
  "createdOn": "10/14/16 4:00 PM",
  "lastAuthenticated": "10/14/16 4:00 PM",
  "domainName": "local",
  "adUser": false,
  "vppUser": false,
  "vppAccounts": null
}
}

```

3.13.3 Add User

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "attributes": {

```

```

    "badpwdcount": "4",
    "asuseremail": "test.user@citrix.com",
    "company": "citrix",
    "mobile": "4695831234"
  },
  "groups": [
    "MSP"
  ],
  "role": "USER",
  "username": "user_1",
  "password": "password"
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "user": {
    "userid": 0,
    "username": "user_1",
    "password": "password",
    "confirmPassword": null,
    "groups": [
      "MSP"
    ],
    "attributes": {
      "badpwdcount": "4",
      "asuseremail": "test.user@citrix.com",
      "company": "citrix",
      "mobile": "4695831234"
    },
    "role": "USER",
    "roles": null,

```



```

    "createdOn": null,
    "lastAuthenticated": null,
    "domainName": null,
    "adUser": false,
    "vppUser": false,
    "vppAccounts": null
  }
}

```

3.13.4 Update User

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "attributes": {
    "badpwdcount": "5",
    "asuseremail": "test.user@citrix.com",
    "company": "citrix",
    "mobile": "9999831234"
  },
  "groups": [
    "MSP"
  ],
  "role": "USER",
  "username": "user_1",
  "password": "password"
}

```

Sample Response:

```

{

```

```

"status": 0,
"message": "Success",
"user": {
  "userid": 13,
  "username": "user_1",
  "password": null,
  "confirmPassword": null,
  "groups": [
    "MSP"
  ],
  "attributes": {
    "badpwdcount": "5",
    "mobile": "9999831234",
    "company": "citrix",
    "asuseremail": "test.user@citrix.com"
  },
  "role": "USER",
  "roles": [
    "USER"
  ],
  "createdOn": "10/15/16 7:10 AM",
  "lastAuthenticated": "10/15/16 7:21 AM",
  "domainName": "local",
  "adUser": false,
  "vppUser": false,
  "vppAccounts": null
}
}

```

3.13.5 Change user password

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups/password
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "username": "user_1",
  "password": "newPassword"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "user": {
    "userid": 13,
    "username": "user_1",
    "password": null,
    "confirmPassword": null,
    "groups": [
      "MSP"
    ],
    "attributes": {
      "badpwdcount": "5",
      "mobile": "9999831234",
      "company": "citrix",
      "asuseremail": "test.user@citrix.com"
    },
    "role": "USER",
    "roles": [
      "USER"
    ],
    "createdOn": "10/15/16 7:10 AM",
    "lastAuthenticated": "10/15/16 7:29 AM",
    "domainName": "local",
    "adUser": false,
    "vppUser": false,
  }
}
```

```

    "vppAccounts": null
  }
}

```

Response Errors:

```

1250 - User id not found
1252 - Failed to reset the password

```

Note: Password can also be changed in the update local user call.

3.13.6 Delete Users

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups/delelocalusers
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

[
  "user_1"
]

```

Sample Response:

```

{
  "status": 0,
  "message": "Local users deleted successfully"
}

```

3.13.7 Delete User

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups/{ name }
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/localusersgroups/user_2
```

Sample Response:

```
{
  "status": 0,
  "message": "Local user deleted successfully"
}
```

3.13.8 Import provisioning file

URL	https://hostname:4443/xenmobile/api/v1/localusersgroups/importprovisioningfile
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

Sample Request:

```
importdata = {"fileType":"user"}
uploadFile = <file to be uploaded.csv>
```

```
Sample Response:{
  "status": 0,
  "message": "Import successful",
  "users": []
}
```

3.14 Local Groups

3.14.1 Get All Local Groups

URL	https://hostname:4443/xenmobile/api/v1/groups/local
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "userGroups": [
    {
      "id": 1,
      "userListId": 1,
      "name": "MSP",
      "uniqueName": "MSP",
      "uniqueId": "MSP",
      "domainName": "local",
      "primaryToken": 0
    },
    {
      "id": 2,
      "userListId": 1,
      "name": "Test1",
      "uniqueName": "Test1",
      "uniqueId": "Test1",
      "domainName": "local",
      "primaryToken": 0
    },
    {
      "id": 3,
      "userListId": 1,
      "name": "Test2",
      "uniqueName": "Test2",
      "uniqueId": "Test2",
      "domainName": "local",
      "primaryToken": 0
    }
  ]
}
```

3.14.2 Get All Groups

URL	https://hostname:4443/xenmobile/api/v1/groups
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "userGroups": [
    {
      "id": 1,
      "userListId": 1,
      "name": "MSP",
      "uniqueName": "MSP",
      "uniqueId": "MSP",
      "domainName": "local",
      "primaryToken": 0
    },
    {
      "id": 2,
      "userListId": 1,
      "name": "Test1",
      "uniqueName": "Test1",
      "uniqueId": "Test1",
      "domainName": "local",
      "primaryToken": 0
    },
    {
      "id": 3,
      "userListId": 1,
      "name": "Test2",
      "uniqueName": "Test2",
```

```

        "uniqueId": "Test2",
        "domainName": "local",
        "primaryToken": 0
    }
]
}

```

3.14.3 Search Group By Name

URL	https://hostname:4443/xenmobile/api/v1/groups/search?searchKey={group_name}&domain=local
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Pass the group name or partial group name as search key in query params.

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/groups/search?searchKey=MSP&domain=local
```

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "userGroups": [
    {
      "id": 1,
      "userListId": 1,
      "name": "MSP",
      "uniqueName": "MSP",
      "uniqueId": "MSP",
      "domainName": "local",
      "primaryToken": 0
    }
  ]
}

```


3.14.4 Add Local Group

URL	https://hostname:4443/xenmobile/api/v1/groups/local
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "Test3",
  "domainName": "local"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "group": {
    "id": 46,
    "userListId": 1,
    "name": "Test3",
    "uniqueName": "Test3",
    "uniqueId": "Test3",
    "domainName": "local",
    "primaryToken": 0
  }
}
```

3.14.5 Delete Local Group

URL	https://hostname:4443/xenmobile/api/v1/groups/local/<group_name>
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/groups/local/Test3
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "userGroups": null
}
```

3.15 Server Properties

3.15.1 Get All Server Properties

URL	https://hostname:4443/xenmobile/api/v1/serverproperties
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "allEwProperties": [
    {
      "id": 5,
      "name": "zdm.dbcleanup.deployHistRetentionTimeInDays",
      "value": "7",
      "displayName": "Deploy Log Cleanup (in Days)",
      "description": "Deploy log cleanup.",
      "defaultValue": "7"
    },
    {
      "id": 205,
      "name": "ios.mdm.enrollment.awaitMamRegistration.enabled",
      "value": "false",
      "displayName": "Enables/Disables awaitMAMregistration",
      "description": "Whether or not to wait for MAM registration to complete for devices that are marked as requiring MAM",
      "defaultValue": "false"
    }
  ]
}
```

```

    }
  ]
}

```

3.15.2 Get Server Properties by Filter

URL	https://hostname:4443/xenmobile/api/v1/serverproperties/filter
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
    "start": 0,
    "limit": 10,
    "orderBy": "name",
    "sortOrder": "desc",
    "searchStr": "wsapi"
}

```

Sample Response:

```

{
    "status": 0,
    "message": "Success",
    "allEwProperties": [
        {
            "id": 10,
            "name": "wsapi.mdm.required.flag",
            "value": "false",
            "displayName": "Enrollment Required",
            "description": "Configuration option to make enrollment mandatory or optional i
n XenMobile enterprise mode.",
            "defaultValue": "false"
        }
    ]
}

```

```
}
```

3.15.3 Add Server Property

URL	https://hostname:4443/xenmobile/api/v1/serverproperties
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "Key 2",
  "value": "Value 1",
  "displayName": "Display Name 1",
  "description": "Description 1"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "You must restart XenMobile on all nodes to commit and activate your changes to the server properties."
}
```

3.15.4 Edit Server Property

URL	https://hostname:4443/xenmobile/api/v1/serverproperties
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "Key 2",
  "value": "Value 10",
  "displayName": "Display Name 10",
}
```

```
"description": "Description 10"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "You must restart XenMobile on all nodes to commit and activate your changes to the server properties."
}
```

3.15.5 Delete Server Properties

URL	https://hostname:4443/xenmobile/api/v1/serverproperties
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
[
  "Key 2"
]
```

Sample Response:

```
{
  "status": 0,
  "message": "You must restart XenMobile on all nodes to commit and activate your changes to the server properties."
}
```

3.15.6 Reset Server Properties

URL	https://hostname:4443/xenmobile/api/v1/serverproperties/reset
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "names": [
    "Key 3"
  ]
}
```

Sample Response:

```
{
  "status": 0,
  "message": "You must restart XenMobile on all nodes to commit and activate your changes to the server properties."
}
```

3.16 Applications

3.16.1 Get all applications

URL	https://hostname:4443/xenmobile/api/v1/application/filter
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample request data:

```
{
  "start": 0,
  "limit": 10,
  "applicationSortColumn": "name",
  "sortOrder": "DESC",
  "enableCount": false,
  "search": "Worx",
  "filterIds": "['application.deliverygroup#<DG_Name>@_fn_@app.dg','application.deliverygroup#<DG_Name>@_fn_@app.dg']"
}
```

Note: All fields are optional.

Field name	Description
start	Start is the starting index for data where as limit is the records limits you want to fetch. Start and limit are used for pagination. Start=0 and limit=100 would get 100 records starting from index 0.
limit	
applicationSortColumn	Get applications list sorted by this column. Valid values are: id, name, appType, createdOn, lastUpdated, disabled and vppAccount
sortOrder	Valid values are ASC or DESC
search	A search string to filter apps. Result will only contains apps with name containing this search text.
enableCount	enableCount of false improves performance, as fetching number of records per filter is disabled.
filterIds	Filterids can be specified to get records based on filter. In this sample, delivery group filter is specified.

Sample Response data:

```
{
  "status": 0,
  "message": "Success",
  "applicationListData": {
    "totalMatchCount": 2,
    "totalCount": 2,
    "appList": [{
      "id": 2,
      "name": "WorxNotes",
      "description": "Worx Notes Application",
      "createdOn": "6/7/16 3:55 PM",
      "lastUpdated": "6/7/16 5:11 PM",
      "disabled": false,
      "nbSuccess": 0,
      "nbFailure": 0,
      "nbPending": 0,
      "schedule": null,
      "permitAsRequired": true,
      "iconData": "iVBORw0KGgoAAAANSUhEUgAAAHgAAAB4CAYAAAAA5ZDbSAAA.....",
      "appType": "MDX",
      "categories": ["Default"],
    }
  ]
}
```

```

        "roles": null,
        "workflow": null,
        "vppAccount": null
    }, {
        "id": 1,
        "name": "Angry Bird",
        "description": "",
        "createdOn": "6/7/16 3:53 PM",
        "lastUpdated": "6/7/16 3:54 PM",
        "disabled": false,
        "nbSuccess": 0,
        "nbFailure": 0,
        "nbPending": 0,
        "schedule": null,
        "permitAsRequired": true,
        "iconData": "/9j/4AAQSkZJRgABAQEAAQABAAD/2wBDAAYEBQYFBAYGBQYHBwYICHA...",
        "appType": "App Store App",
        "categories": ["Default"],
        "roles": null,
        "workflow": null,
        "vppAccount": null
    }]
}

```

3.16.2 Get mobile app by container

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/{containerId}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Response data:


```

{
  "status": 0,
  "message": "Success",
  "result": {
    "id": 14,
    "name": "testApp",
    "description": "",
    "createdOn": null,
    "lastUpdated": null,
    "disabled": false,
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0,
    "schedule": {
      "enableDeployment": true,
      "deploySchedule": "NOW",
      "deployScheduleCondition": "EVERYTIME",
      "deployDate": null,
      "deployTime": null,
      "deployInBackground": false
    },
    "iconData": "",
    "appType": "MDX",
    "categories": [
      "Default"
    ],
    "roles": [],
    "workflow": null,
    "ios": {
      "displayName": "GoToMeeting",
      "description": "G2MW_IOS_5.3.3_075_01",
      "paid": false,

```

```

    "removeWithMdm": true,
    "preventBackup": true,
    "appVersion": "5.3.3.075",
    "minOsVersion": "",
    "maxOsVersion": "",
    "excludedDevices": "",
    "avppParams": null,
    "avppTokenParams": null,
    "rules": null,
    "appType": "mobile_ios",
    "uuid": "8e69d397-48bb-4f29-a95c-dd7b16665c1c",
    "id": 0,
    "store": {
      "rating": {
        "rating": 0,
        "reviewerCount": 0
      },
      "screenshots": [],
      "faqs": [],
      "storeSettings": {
        "rate": true,
        "review": true
      }
    },
    "policies": [
      {
        "policyName": "ReauthenticationPeriod",
        "policyValue": "480",
        "policyType": "integer",
        "policyCategory": "Authentication",
        "title": "Reauthentication period (minutes)",
        "description": "\nDefines the period before a user is challenged to authenticate again. ",
        "units": "minutes",

```

```

        "explanation": null
    },
    {
        "policyName": "BlockJailbrokenDevices",
        "policyValue": "true",
        "policyType": "boolean",
        "policyCategory": "Device Security",
        "title": "Block jailbroken or rooted",
        "description": "\nIf On, the application is locked when the device is jailb
roken or rooted.",
        "units": null,
        "explanation": null
    },
    {
        "policyName": "CertificateLabel",
        "policyValue": "",
        "policyType": "string",
        "policyCategory": "Network Access",
        "title": "Certificate label",
        "description": "\n
Default value is empty.\n
",
        "units": null,
        "explanation": null
    }
]
},
"android": null,
"android_knox": null,
"android_work": null,
"windows": null,
"windows_tab": null
}
}

```

3.16.3 Get publicstore app by container

URL	https://hostname:4443/xenmobile/api/v1/application/appstore/{containerId}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

3.16.4 Delete app container

URL	https://hostname:4443/xenmobile/api/v1/application/{containerId}
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Deletes the application container (Web, mobile(MDX and Enterprise), public app store)

3.16.5 Upload MDX mobile app in a new App container

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/mdx/{platform}
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

This API will upload a MDX app for the platform specified in the URL.

The values accepted for platform are
ios, android, android_work, android_knox, windows, windows_tab.

The above API will create a new container and will upload the application for the platform specified. The name, description, categories, delivery groups and workflow for the container can be specified in the request.

Sample request data:

```
appInfo={
  "name": "test app 1",
  "description": "description should be here ",
  "category":["default"],
  "deliveryGroups":["AllUsers"],
  "workflowTemplateName" : "",
  "deploymentSchedule": {
    "enableDeployment": true,
    "deploySchedule": "NOW",
    "deployDate": "",
    "deployScheduleCondition": "EVERYTIME",
    "deployInBackground": false
  }
}
```

```
}
}
```

“uploadFile” : Application binary

3.16.6 Upload Enterprise mobile app in a new App container

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/enterprise/{platform}
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

This API will upload a Enterprise app for the platform specified in the URL.

The values accepted for platform are
ios, android, android_work, android_knox, windows, windows_tab.

The above API will create a new container and will upload the application for the platform specified. The name, description, categories, delivery groups and workflow for the container can be specified in the request.

Sample request data:

```
appInfo={
  "name": "test app 1",
  "description": "description should be here ",
  "category":["default"],
  "deliveryGroups":["AllUsers"],
  "workflowTemplateName" : "",
  "deploymentSchedule": {
    "enableDeployment": true,
    "deploySchedule": "NOW",
    "deployDate": "",
    "deployScheduleCondition": "EVERYTIME",
    "deployInBackground": false
  }
}

“uploadFile” : Application binary
```

Response:

```
{
  "status":0,
  "message":"Success"
}
```

3.16.7 Upload MDX mobile app to already existing container

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/mdx/{platform}/{containerId}
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

This API will upload a MDX app for the platform specified in the URL to an already existing application container. The values accepted for platform are ios, android, android_work, android_knox, windows, windows_tab.

The name, description, categories, delivery groups and workflow for the container can be specified in the request.

Request Data:

```
appInfo={
  "name": "test app 1",
  "description": "description should be here ",
  "category":["default"],
  "deliveryGroups":["AllUsers"],
  "workflowTemplateName" : "",
  "deploymentSchedule": {
    "enableDeployment": true,
    "deploySchedule": "NOW",
    "deployDate": "",
    "deployScheduleCondition": "EVERYTIME",
    "deployInBackground": false
  }
}

"uploadFile" : Application binary
```

Response:

```
"
```

```
{
  "status":0,
  "message":"Success"
}
```

3.16.8 Upload Enterprise mobile app to already existing container

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/enterprise/{platform}/{containerId}
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

This API will upload a Enterprise app for the platform specified in the URL to an already existing application container.

The values accepted for platform are
ios, android, android_work, android_knox, windows, windows_tab.

The name, description, categories, delivery groups and workflow for the container can be specified in the request.

Sample request data:

```
appInfo={
  "name": "test app 1",
  "description": "description should be here ",
  "category":["default"],
  "deliveryGroups":["AllUsers"],
  "workflowTemplateName" : "",
  "deploymentSchedule": {
    "enableDeployment": true,
    "deploySchedule": "NOW",
    "deployDate": "",
    "deployScheduleCondition": "EVERYTIME",
    "deployInBackground": false
  }
} "uploadFile" : Application binary
```

Response:

```
{
  "status": 0,
  "message": "Success"
}
```

```
}
```

3.16.9 Edit platform details inside the container for MDX apps

URL	https://hostname:4443/xenmobile/api/v1/application/mobile/mdx/{platform}/{containerId}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

This API will edit some properties of the specified platform.

Sample request data:

```
{
  "displayName": "ios_GTM_edited",
  "description": "Edited Description for the app",
  "removeWithMdm": true,
  "preventBackup": true,
  "appVersion": "5.0.0.1",
  "minOsVersion": "",
  "maxOsVersion": "",
  "excludedDevices": "ipad",
  "store": {
    "faqs": [
      {
        "question": "question text",
        "answer": "answer",
        "displayOrder": 1
      }
    ],
    "storeSettings": {
```



```

    "rate": false,
    "review": false
  }
}
}

```

3.17 Device

3.17.1 Get Devices by Filters

URL	https://hostname:4443/xenmobile/api/v1/device/filter
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "start": "0-999",
  "limit": "0-999",
  "sortOrder": "ASC",
  "sortColumn": "ID",
  "search": "Any search term",
  "enableCount": "false",
  "constraints":
  '{ "constraintList": [{ "constraint": "DEVICE_OS_FAMILY", "parameters": [{ "name": "osFamily", "type": "STRING", "value": "iOS" } ] } ] }',
  "filterIds": "[group#/group/MSP@_fn_@normal]"
}

```

All fields are optional

Field name	Description
sortOrder	Valid values for sortOrder are ASC, DSC and DESC
sortColumn	Valid values for sortColumn are 'ID' or 'SERIAL' or 'IMEI' or 'ACTIVESYNCID' or 'WIFIMAC' or 'BLUETOOTHMAC' or 'OSFAMILY' or 'SYSTEM_OEM' or 'SYSTEM_PLATFORM' or 'SYSTEM_OS_VERSION' or 'DEVICE_PROPERTY' or 'LASTAUTHDATE' or 'INACTIVITYDAYS' or 'ISACTIVE' or 'LASTUSER' or 'BLCOMPLIANT' or 'WLCOMPLIANT' or 'RLCOMPLIANT' or 'MANAGED' or 'SHAREABLE' or 'BULKPROFILESTATUS'
filterIds	Array of filter ids. The filter ids are obtained as part of the response

Sample Response:

```

{
  "id": "1-9999999",

```

```

"jailBroken": "true/false",
"managed": "true/false",
"gatewayBlocked": "true/false",
"deployFailed": "1-999",
"deployPending": "1-999",
"deploySuccess": "1-999",
"mdmKnown": "true/false",
"mamRegistered": "true/false",
"mamKnown": "true/false",
"userName": "user name",
"serialNumber": "serial number",
"imeiOrMeid": "IMEI/MEID",
"activeSyncId": "Active sync ID",
"wifiMacAddress": "WiFi MAC address",
"blueToothMacAddress": "Bluetooth MAC address",
"devicePlatform": "Device platform",
"osVersion": "Operating system version of the device",
"deviceModel": "Device model information",
"lastAccess": "Timestamp when the device was last accessed",
"inactivityDays": "Number of days device has been inactive",
"shareable": "Flag indicating if the device is shareable",
"sharedStatus": "Get shareable status of the device",
"depRegistered": "Flag indicating if the device is DEP registered",
"deviceName": "Name of the device",
"deviceType": "Phone/Tablet",
"productName": "Product name",
"platform": "Platform of the device"
}

```

3.17.2 Get Device information by ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "device": {
    "htcMdm": true,
    "managedByZMSP": true,
    "serialNumber": "string",
    "id": 0,

```

```

    "applications": [
    {
        "resourceType": "APP_NATIVE",
        "resourceTypeLabel": "string",
        "packageInfo": "string",
        "statusLabel": "string",
        "lastUpdate": 0,
        "status": "SUCCESS",
        "name": "string"
    }
    ],
    "smartActions": [
    {
        "resourceType": "APP_NATIVE",
        "resourceTypeLabel": "string",
        "packageInfo": "string",
        "statusLabel": "string",
        "lastUpdate": 0,
        "status": "SUCCESS",
        "name": "string"
    }
    ],
    "platform": "string",
    "osFamily": "WINDOWS",
    "nbSuccess": 0,
    "nbFailure": 0,
    "nbPending": 0,
    "deliveryGroups": [
    {
        "statusLabel": "string",
        "linkey": "string",
        "lastUpdate": 0,
        "status": "SUCCESS",
        "name": "string"
    }
    ],
    "lastAuthDate": 0,
    "sharedStatus": "INACTIVE",
    "managed": true,
    "smgStatus": "ACCESS_ALLOWED",
    "mdmKnown": true,
    "mamKnown": true,
    "mamRegistered": true,
    "lastUsername": "string",

```

```

    "imei": "string",
    "activesyncid": "string",
    "wifimac": "string",
    "bluetoothmac": "string",
    "inactivityDays": 0,
    "shareable": true,
    "bulkProfileStatus": "NO_BULK",
    "deviceType": "string",
    "softwareInventory": [
    {
        "version": "string",
        "blacklistCompliant": true,
        "suggestedListCompliant": true,
        "packageInfo": "string",
        "installCount": 0,
        "installTimeStamp": 0,
        "author": "string",
        "container": 0,
        "name": "string",
        "size": 0
    }
    ],
    "deviceActions": [
    {
        "actionType": "WIPE",
        "failedTime": 0,
        "doneTime": 0,
        "askedTime": 0
    }
    ],
    "managedSoftwareInventory": [
    {
        "version": "string",
        "blacklistCompliant": true,
        "suggestedListCompliant": true,
        "packageInfo": "string",
        "installCount": 0,
        "installTimeStamp": 0,
        "author": "string",
        "container": 0,
        "name": "string",
        "size": 0
    }
    ],

```

```

    "policies" : [
    {
        "resourceType": "APP_NATIVE",
        "resourceTypeLabel": "string",
        "packageInfo": "string",
        "statusLabel": "string",
        "lastUpdate": 0,
        "status": "SUCCESS",
        "name": "string"
    }
    ],
    "active" : true,
    "xmlId" : "string",
    "deviceUsers" : [
    {
        "user": {
            "displayName": "string",
            "id": 0,
            "xmlId": "string",
            "properties": [
            {
                "displayName": "string",
                "id": 0,
                "b64": true,
                "group": "string",
                "name": "string",
                "value": "string"
            }
            ]
        }
    }
    ],
    "lastAuthDate": 0,
    "prevAuthDate": 0,
    "userLogin": "string"
    }
    ],
    "packageStates" : [
    {
        "packageName": "string",
        "packageId": 0,
        "statusLabel": "string",
        "date": 0,
        "status": "PENDING"
    }
    ],

```

```

    "pushState": "ENQUEUED",
    "pushStateLabel": "string",
    "lastPushDate": 0,
    "lastSentNotification": 0,
    "lastRepliedNotification": 0,
    "strongId": "string",
    "lastSoftwareInventoryTime": 0,
    "firstConnectionDate": 0,
    "lastIOSProfileInventoryTime": 0,
    "lastUser": {
      "displayName": "string",
      "id": 0,
      "xmlId": "string",
      "properties": [
        {
          "displayName": "string",
          "id": 0,
          "b64": true,
          "group": "string",
          "name": "string",
          "value": "string"
        }
      ]
    },
    "blacklistCompliant": true,
    "suggestedListCompliant": true,
    "requiredListCompliant": true,
    "devicePropertiesTimestamp": 0,
    "revoked": true,
    "mamDeviceId": "string",
    "deviceToken": "string",
    "typeInst": 0,
    "appLock": true,
    "appWipe": true,
    "mamReady": true,
    "validCertificates": [
      {
        "credentialProviderId": "string",
        "type": "string",
        "issuerName": "string",
        "startDate": 0,
        "endDate": 0,
        "revoked": true,
        "certificateNumber": "string"
      }
    ]
  }
}

```

```

    }
  ],
  "revokedCertificates": [
    {
      "credentialProviderId": "string",
      "type": "string",
      "issuerName": "string",
      "startDate": 0,
      "endDate": 0,
      "revoked": true,
      "certificateNumber": "string"
    }
  ],
  "authorizeEnabled": true,
  "revokeEnabled": true,
  "lockEnabled": true,
  "cancelLockEnabled": true,
  "unlockEnabled": true,
  "cancelUnlockEnabled": true,
  "containerLockEnabled": true,
  "cancelContainerLockEnabled": true,
  "containerUnlockEnabled": true,
  "cancelContainerUnlockEnabled": true,
  "containerPwdResetEnabled": true,
  "cancelContainerPwdResetEnabled": true,
  "wipeEnabled": true,
  "cancelWipeEnabled": true,
  "clearRestrictionsEnabled": true,
  "cancelClearRestrictionsEnabled": true,
  "corpWipeEnabled": true,
  "cancelCorpWipeEnabled": true,
  "sdCardWipeEnabled": true,
  "cancelSdCardWipeEnabled": true,
  "locateEnabled": true,
  "cancelLocateEnabled": true,
  "enableTrackingEnabled": true,
  "disableTrackingEnabled": true,
  "disownEnabled": true,
  "activationLockBypassEnabled": true,
  "ringEnabled": true,
  "cancelRingEnabled": true,
  "newPinCode": "string",
  "oldPinCode": "string",
  "lockMessage": "string",

```

```

    "resetPinCode": true,
    "scanTime": "string",
    "screenSharingPwd": "string",
    "iosprofileInventory": [
    {
        "iosConfigInventories": [
        {
            "description": "string",
            "type": "string",
            "organization": "string",
            "identifier": "string",
            "name": "string"
        }
        ],
        "description": "string",
        "organization": "string",
        "managed": true,
        "identifier": "string",
        "receivedDate": 0,
        "encrypted": true,
        "name": "string"
    }
    ],
    "iosprovisioningProfileInventory": [
    {
        "managed": true,
        "uuid": "string",
        "expiryDate": 0,
        "name": "string"
    }
    ],
    "erasedMemoryCard": true,
    "gpsCoordinates": [
    {
        "gpsTimestamp": 0
    }
    ],
    "lastGpsCoordinate": {
        "gpsTimestamp": 0
    },
    "gpsFilterStartDate": 0,
    "gpsFilterEndDate": 0,
    "wipePinCode": "string",
    "lockPhoneNumber": "string",

```



```

    "dstDevIdUsed": true,
    "dstValue": "string",
    "smartActionsFailure": true,
    "policiesFailure": true,
    "applicationsFailure": true,
    "touchdownProperties": [
    {
    "category": "string",
    "name": "string",
    "value": "string"
    }
    ],
    "appUnwipeEnabled": true,
    "requestMirroringEnabled": true,
    "cancelRequestMirroringEnabled": true,
    "stopMirroringEnabled": true,
    "cancelStopMirroringEnabled": true,
    "knownByZMSP": true,
    "wipeDeviceFlag": true,
    "lockDeviceFlag": true,
    "appWipeEnabled": true,
    "appLockEnabled": true,
    "appUnlockEnabled": true,
    "bulkEnrolled": true,
    "nbAvailable": 0,
    "hasContainer": true,
    "connected": true,
    "properties": [
    {
    "displayName": "string",
    "id": 0,
    "b64": true,
    "group": "string",
    "name": "string",
    "value": "string"
    }
    ]
    }
}

```

3.17.3 Get Device applications by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/apps
Request type	GET
Request header	Auth_token : auth token obtained during login

	Content type : application/json
--	---------------------------------

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "applications": [
    {
      "resourceType": "APP_NATIVE",
      "resourceTypeLabel": "string",
      "packageInfo": "string",
      "statusLabel": "string",
      "lastUpdate": 0,
      "status": "SUCCESS",
      "name": "string"
    }
  ]
}
```

3.17.4 Get Device actions by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/actions
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "actions": [
    {
      "resourceType": "APP_NATIVE",
      "resourceTypeLabel": "string",
      "packageInfo": "string",
      "statusLabel": "string",
      "lastUpdate": 0,
      "status": "SUCCESS",
      "name": "string"
    }
  ]
}
```

3.17.5 Get Device delivery groups by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/deliverygroups
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deliveryGroups": [
    {
      "statusLabel": "string",
      "linkey": "string",
      "lastUpdate": 0,
      "status": "SUCCESS",
      "name": "string"
    }
  ]
}
```

3.17.6 Get Device managed software inventory by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/managedswinventory
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "softwareInventory": [
    {
      "version": "string",
      "blacklistCompliant": true,
      "suggestedListCompliant": true,
      "packageInfo": "string",
      "installCount": 0,
      "installTimeStamp": 0,
      "author": "string",
      "container": 0,
      "name": "string",
      "size": 0
    }
  ]
}
```

3.17.7 Get Device policies by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/policies
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "policies": [
    {
      "resourceType": "APP_NATIVE",
      "resourceTypeLabel": "string",
      "packageInfo": "string",
      "statusLabel": "string",
      "lastUpdate": 0,
      "status": "SUCCESS",
      "name": "string"
    }
  ]
}
```

3.17.8 Get Device software inventory by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{device_id}/softwareinventory
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "softwareInventory": [
    {
      "version": "string",
      "blacklistCompliant": true,
      "suggestedListCompliant": true,
      "packageInfo": "string",
      "installCount": 0,
      "installTimeStamp": 0,
      "author": "string",
    }
  ]
}
```

```

    "container": 0,
    "name": "string",
    "size": 0
  }
]
}

```

3.17.9 Get Device GPS Coordinates by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/locations/{deviceId}
Query Parameters	startDate : start date for coordinate filter endDate : end date for coordinate filter
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceCoordinates": {
    "deviceCoordinateList": {
      "deviceCoordinateList": [
        {
          "gpsTimestamp": 0
        }
      ],
      "startDate": 0,
      "endDate": 0
    }
  }
}

```

3.17.10 Send notification to a list of devices/users

URL	https://hostname:4443/xenmobile/api/v1/device/notify
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "smtpFrom": "Test",
  "to": [
    {
      "deviceId": "1",
      "email": "user@test.com",
      "osFamily": "iOS",
      "serialNumber": "F7NLX6WDF196",
      "smsTo": "+123456676",
      "token": {
        "type": "apns",

```

```

        "value": "dfb2fb351a4fb068e40858ecad572e317e6c39b4fa7de6fb29ea1ad7e2254499"
    }
}
],
"smtpSubject": "this is test subject",
"smtpMessage": "this is test message",
"smsMessage": "this is test message",
"agentMessage": "this is test message",
"sendAsBCC": "true",
"smtp": "true",
"sms": "true",
"agent": "true",
"templateId": "-1",
"agentCustomProps": {
    "sound": "Casino.wav"
}
}
}
Sample Response:

```

```

{
    "status": 0,
    "message": "string",
    "notificationRequests": {
        "smtpNotifRequestId": 0,
        "smsNotifRequestId": 0,
        "smsGatewayNotifRequestId": 0,
        "apnsAgentNotifRequestId": 0,
        "shpAgentNotifRequestId": 0
    }
}

```

3.17.11 Authorize a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/authorize
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
    "status": 0,
    "message": "string",
    "deviceActionMessages": {
        "devicesActionParameters": {
            "description": "string",
            "messageList": [
                {
                    "id": "string",
                    "message": "string"
                }
            ]
        }
    }
}

```

}
]
}
}
}

3.17.12 Activation lock bypass on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/activationLockBypass
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.13 App lock on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/appLock
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

The appLock api is a toggle api. Subsequent requests would lock/unlock in a toggle fashion.

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
```

```

    "description": "string",
    "messageList": [
    {
    "id": "string",
    "message": "string"
    }
    ]
  }
}

```

3.17.14 App wipe on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/appWipe
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

The appWipe api is a toggle api. Subsequent requests would appWipe/appUnwipe in a toggle fashion.

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
      {
      "id": "string",
      "message": "string"
      }
      ]
    }
  }
}

```

3.17.15 Container lock on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerLock
Request type	POST
Query Parameters	newPinCode : pin code for android container
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.16 Cancel container lock on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerLock/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.17 Container unlock on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerUnlock
-----	---

Request type	POST
Query Parameters	newPinCode : pin code for android container
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.18 Cancel container unlock on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerUnlock/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

```
}
}
```

3.17.19 Reset container password on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerPwdReset
Request type	POST
Query Parameters	newPinCode : pin code for android container
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.20 Cancel reset container password a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/containerPwdReset/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
```

```

{
  "id": "string",
  "message": "string"
}
]
}
}
}
}
}

```

3.17.21 Disown a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/disown
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}

```

3.17.22 Locate a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/locate
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",

```

```

"deviceActionMessages": {
  "devicesActionParameters": {
    "description": "string",
    "messageList": [
      {
        "id": "string",
        "message": "string"
      }
    ]
  }
}

```

3.17.23 Cancel locating a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/locate/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}

```

3.17.24 GPS tracking a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/track
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.25 Cancel GPS tracking a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/track/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.26 Lock a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/lock
Request type	POST

Query Parameters	newPinCode : PIN code must be between 4 and 16 characters for Android and Symbion. PIN code must be 4 digits for windows devices resetPinCode: add a reset pin code request to the lock request, works only for Windows phone 8.1 lockMessage: add a message to the lock request, works only for IOS 7 and later phoneNumber : add a phone number to the lock request, works only for IOS 7 and later
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.27 Cancel locking a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/lock/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {

```

```
"id": "string",  
  "message": "string"  
}  
]  
}  
}  
}
```

3.17.28 Unlock a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/unlock
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.29 Cancel unlocking a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/unlock/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
```



```

    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  ]
}

```

3.17.30 Deploy a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/refresh
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}

```

3.17.31 Request an Airplay mirroring on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/requestMirroring
Request type	POST
Query Parameters	dstName : destination name, provide either destination name or destination device id dstDevId : mac address for destination device, provide either destination name or destination device id scanTime : Number of seconds screenSharingPwd : password for screen sharing
Request header	Auth_token : auth token obtained during login

	Content type : application/json
--	---------------------------------

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.32 Cancel request for Airplay mirroring a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/requestMirroring/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.33 Stop Airplay mirroring on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/stopMirroring
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.34 Cancel stop Airplay mirroring on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/stopMirroring/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

```

    }
  }
}

```

3.17.35 Clear the restrictions on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/restrictions/clear
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}

```

3.17.36 Cancel clear the restrictions on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/restrictions/clear/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {

```

```
"id": "string",  
  "message": "string"  
}  
]  
}  
}  
}
```

3.17.37 Revoke a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/revoke
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.38 Make ring a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/ring
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
```

```

    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  ]
}

```

3.17.39 Cancel ring on list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/ring/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}

```

3.17.40 Wipe a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/wipe
Query Parameters	erasedMemoryCard : force erase memory card(default true) pinCode : PIN code must be 6 digits, works only for mac devices
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.41 Cancel wipe on list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/wipe/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.42 Selective wipe a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/selwipe
Request type	POST

Request header	Auth_token : auth token obtained during login Content type : application/json
----------------	--

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.43 Cancel selective wipe on list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/selwipe/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```


3.17.44 SD card wipe on a list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/sdcardwipe
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

3.17.45 Cancel SD card wipe on list of devices

URL	https://hostname:4443/xenmobile/api/v1/device/sdcardwipe/cancel
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

[1,2]

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceActionMessages": {
    "devicesActionParameters": {
      "description": "string",
      "messageList": [
        {
          "id": "string",
          "message": "string"
        }
      ]
    }
  }
}
```

```

    }
  }
}

```

3.17.46 Get all device known properties

URL	https://hostname:4443/xenmobile/api/v1/device/knownProperties
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "knownProperties": {
    "knownProperties": {
      "knownPropertyList": [
        {
          "name": "string",
          "type": "STRING",
          "displayName": "string",
          "group": "EVERYWAN",
          "groupLabel": "string"
        }
      ]
    }
  }
}

```

3.17.47 Get all device used properties

URL	https://hostname:4443/xenmobile/api/v1/device/usedProperties
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "deviceUsedPropertiesList": {
    "deviceUsedProperties": {
      "deviceUsedPropertiesParameters": [
        {
          "name": "string",
          "type": "STRING",
          "displayName": "string"
        }
      ]
    }
  }
}

```

```

    ]
  }
}
}

```

3.17.48 Retrieve all device properties by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/properties/{deviceId}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "devicePropertiesList": {
    "deviceProperties": {
      "startIndex": 0,
      "devicePropertyParameters": [
        {
          "name": "string",
          "value": "string",
          "id": 0,
          "displayName": "string",
          "group": "string",
          "b64": true
        }
      ],
      "totalCount": 0
    }
  }
}

```

3.17.49 Update all device properties in bulk by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/properties/{deviceId}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "properties": [
    {
      "name": "ACTIVE_ITUNES",
      "value": "0"
    }
  ]
}

```

Sample Response:

```
{
  "status": 0,
  "message": "string"
}
```

3.17.50 Add or Update a device property by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/property/{deviceId}
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
{
  "name": "PROPERTY_NAME",
  "value": "PROPERTY_VALUE"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "string"
}
```

3.17.51 Delete a device property by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/property/{propertyId}
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string"
}
```

3.17.52 Retrieve iOS MDM Status of device by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/mdmStatus/{deviceId}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "string",
  "deviceMdmStatus": {
    "deviceMdmStatusParameters": {
```

```

    "pushState": "ENQUEUED",
    "lastPushDate": 0,
    "lastRepliedNotification": 0,
    "lastSentNotification": 0,
    "pushStateLabel": "string"
  }
}
}

```

3.17.53 Generate pin code

URL	https://hostname:4443/xenmobile/api/v1/device/pincode/generate
Query Parameters	pinCodeLength : length of requested pin code
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "string",
  "pinCode": {
    "answer": "string"
  }
}

```

3.17.54 Get Device last location by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/lastLocation/{deviceId}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "deviceCoordinate": {
    "longitude": 2.43398027,
    "latitude": 48.64588589,
    "accuracy": 0.0,
    "gpsTimestamp": 1472226743000
  }
}

```

3.17.55 Delete Device by device ID

URL	https://hostname:4443/xenmobile/api/v1/device/{deviceId}
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status" : "0"
  "message" : "Device deleted successfully"
}
```

3.17.56 Delete Devices in bulk by device ID

URL	https://hostname:4443/xenmobile/api/v1/device
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
[1,2,3,4]
```

Sample Response:

```
{
  "status" : "0"
  "message" : "Devices deleted successfully"
}
```

3.18 Client Properties

Note: For a list of built-in and your custom keys, see **Settings > Client Properties** in the XenMobile console.

3.18.1 Get Client Properties

URL	https://hostname:4443/xenmobile/api/v1/clientproperties
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "allClientProperties": [
    {
      "displayName": "Enable User Password Caching",
      "description": "Enable User Password Caching",
      "key": "ENABLE_PASSWORD_CACHING",
      "value": "false",
      "preDefined": false
    },
    {
      "displayName": "Inactivity Timer",
      "description": "Inactivity Timer",
      "key": "INACTIVITY_TIMER",
      "value": "15",
      "preDefined": false
    }
  ]
}
```

3.18.2 Get Client Property

URL	https://hostname:4443/xenmobile/api/v1/clientproperties/{key}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/clientproperties/PASSCODE_MAX_ATTEMPTS
```

Sample Response:

```
{
```

```

"status": 0,
"message": "Success",
"allClientProperties": [
  {
    "displayName": "PIN Attempts",
    "description": "Maximum allowed invalid PIN Attempts",
    "key": "PASSCODE_MAX_ATTEMPTS",
    "value": "15",
    "preDefined": false
  }
]
}

```

3.18.3 Add Client Property

URL	https://hostname:4443/xenmobile/api/v1/clientproperties
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "displayName": "MyProperty",
  "description": "MyProperty Description",
  "key": "MyKey",
  "value": "15"
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Property has been added successfully"
}

```


3.18.4 Edit Client Property

URL	https://hostname:4443/xenmobile/api/v1/clientproperties/{key}
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/clientproperties/MyKey
```

Sample Request:

```
{
  "displayName": "MyProperty updated",
  "description": "MyProperty Description updated",
  "value": "16"
}
```

Sample Response:

```
{
  "status": 0,
  "message": "Property has been updated successfully"
}
```

3.18.5 Delete Client Property

URL	https://hostname:4443/xenmobile/api/v1/clientproperties/{key}
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/clientproperties/MyKey
```

Sample Response:

```
{
  "status": 0,
}
```

```
"message": "Property has been deleted successfully"
}
```

3.18.6 Delete Client Properties

URL	https://hostname:4443/xenmobile/api/v1/clientproperties
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request

```
[
  "Test"
]
```

```
Sample Response:{
  "status": 0,
  "message": "Properties have been deleted successfully"
}
```

3.19 Client Branding

3.19.1.1 Add/Edit client branding

URL	https://localhost:4443/xenmobile/api/v1/clientbranding/store
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : multipart/form-data

Request should be sent in multipart/form-data format and a file should always be with .zip extension.

Field name	Description
device	Possible values: phone, tablet
worxStoreView	Possible values: default, category
uploadFile	Sample branding request file in zip format

Sample Request:

```
device          = phone
worxStoreView   = default
uploadFile      = <file to be uploaded.zip>
```

Sample Response:

```
{
  "status": 0,
  "message": "Success"
}
```

3.19.1.2 Delete client branding

URL	https://localhost:4443/xenmobile/api/v1/clientbranding/{ device }
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Note: Possible **device** values in the URL path are **phone** and **tablet**.

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/clientbranding/phone
```

```
Sample Response:{
  "status": 0,
  "message": "Success"
}
```

3.20 Enrollment

3.20.1.1 Get Enrollment Modes

URL	https://hostname:4443/xenmobile/api/v1/enrollment/modes
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

```
Sample Response:{
```

```

"status": 0,
"message": "Success",
"enrollmentModes": {
  "enrollmentModes": [
    {
      "name": "classic",
      "modeDisplayName": "User name + Password",
      "validDurationMillis": 0,
      "maxTry": 0,
      "secretLength": null,
      "secretGenerator": null,
      "notificationTemplateCategories": [
        {
          "category": "ENROLLMENT_AGENT",
          "categoryLabel": "Template For Agent Download",
          "notificationTemplate": null
        },
        {
          "category": "ENROLLMENT_URL",
          "categoryLabel": "Template For Enrollment URL",
          "notificationTemplate": null
        },
        {
          "category": "ENROLLMENT_PIN",
          "categoryLabel": "Template For Enrollment PIN",
          "notificationTemplate": null
        },
        {
          "category": "ENROLLMENT_CONFIRMATION",
          "categoryLabel": "Template For Enrollment Confirmation",
          "notificationTemplate": null
        }
      ]
    }
  ],

```

```

    "requiringSecret": false,
    "requiringIdentification": true,
    "requiringAuthentication": true,
    "defaultable": true,
    "requiringToken": false,
    "shpMode": false,
    "enabled": true,
    "default": true
  },
  {
    "name": "high_security",
    "modeDisplayName": "High Security",
    "validDurationMillis": 86400000,
    "maxTry": 3,
    "secretLength": 8,
    "secretGenerator": "NUMERIC",
    "notificationTemplateCategories": [
      {
        "category": "ENROLLMENT_AGENT",
        "categoryLabel": "Template For Agent Download",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
      },
      {

```

```

        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
    }
],
"requiringSecret": true,
"requiringIdentification": true,
"requiringAuthentication": true,
"defaultable": false,
"requiringToken": true,
"shpMode": false,
"enabled": true,
"default": false
},
{
    "name": "invitation",
    "modeDisplayName": "Invitation URL",
    "validDurationMillis": 86400000,
    "maxTry": 0,
    "secretLength": null,
    "secretGenerator": null,
    "notificationTemplateCategories": [
        {
            "category": "ENROLLMENT_AGENT",
            "categoryLabel": "Template For Agent Download",
            "notificationTemplate": null
        },
        {
            "category": "ENROLLMENT_URL",
            "categoryLabel": "Template For Enrollment URL",
            "notificationTemplate": null
        }
    ]
}

```

```

        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
    }
],
"requiringSecret": false,
"requiringIdentification": false,
"requiringAuthentication": false,
"defaultable": false,
"requiringToken": true,
"shpMode": false,
"enabled": true,
"default": false
},
{
    "name": "invitation_pin",
    "modeDisplayName": "Invitation URL + PIN",
    "validDurationMillis": 86400000,
    "maxTry": 3,
    "secretLength": 8,
    "secretGenerator": "NUMERIC",
    "notificationTemplateCategories": [
        {
            "category": "ENROLLMENT_AGENT",
            "categoryLabel": "Template For Agent Download",
            "notificationTemplate": null
        },
        {

```

```

        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
    }
],
"requiringSecret": true,
"requiringIdentification": false,
"requiringAuthentication": false,
"defaultable": false,
"requiringToken": true,
"shpMode": false,
"enabled": true,
"default": false
},
{
    "name": "invitation_pwd",
    "modeDisplayName": "Invitation URL + Password",
    "validDurationMillis": 86400000,
    "maxTry": 3,
    "secretLength": null,
    "secretGenerator": null,
    "notificationTemplateCategories": [
        {

```



```

        "category": "ENROLLMENT_AGENT",
        "categoryLabel": "Template For Agent Download",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
    },
    {
        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
    }
],
"requiringSecret": false,
"requiringIdentification": false,
"requiringAuthentication": true,
"defaultable": false,
"requiringToken": true,
"shpMode": false,
"enabled": true,
"default": false
},
{
    "name": "two_factor",
    "modeDisplayName": "Two Factor",
    "validDurationMillis": 86400000,

```

```
"maxTry": 3,
"secretLength": 8,
"secretGenerator": "NUMERIC",
"notificationTemplateCategories": [
  {
    "category": "ENROLLMENT_AGENT",
    "categoryLabel": "Template For Agent Download",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_URL",
    "categoryLabel": "Template For Enrollment URL",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_PIN",
    "categoryLabel": "Template For Enrollment PIN",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_CONFIRMATION",
    "categoryLabel": "Template For Enrollment Confirmation",
    "notificationTemplate": null
  }
],
"requiringSecret": true,
"requiringIdentification": true,
"requiringAuthentication": true,
"defaultable": true,
"requiringToken": false,
"shpMode": false,
"enabled": true,
"default": false
```

```

},
{
  "name": "username_pin",
  "modeDisplayName": "User name + PIN",
  "validDurationMillis": 86400000,
  "maxTry": 3,
  "secretLength": 8,
  "secretGenerator": "NUMERIC",
  "notificationTemplateCategories": [
    {
      "category": "ENROLLMENT_AGENT",
      "categoryLabel": "Template For Agent Download",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_URL",
      "categoryLabel": "Template For Enrollment URL",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": true,
  "requiringIdentification": true,
  "requiringAuthentication": false,

```

```

        "defaultable": true,
        "requiringToken": false,
        "shpMode": false,
        "enabled": true,
        "default": false
    }
]
}
}

```

3.20.1.2 Get Enrollment Information

URL	https://hostname:4443/xenmobile/api/v1/enrollment/info or https://hostname:4443/xenmobile/api/v1/enrollment/info?platform=WINDOWS
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Field name	Description
platform	By default platform = iOS Other valid values are WINDOWS, iOS, ANDROID, SYMBIAN, RIM, UNKNOWN, WINPHONE, WINDOWS8, MACOSX

Sample Response:

```

{
  "status": 0,
  "message": "Success",
  "enrollmentInfo": {
    "enrollmentModes": [
      {
        "name": "classic",
        "modeDisplayName": "User name + Password",
        "validDurationMillis": 0,
        "maxTry": 0,

```

```

"secretLength": null,
"secretGenerator": null,
"notificationTemplateCategories": [
  {
    "category": "ENROLLMENT_AGENT",
    "categoryLabel": "Template For Agent Download",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_URL",
    "categoryLabel": "Template For Enrollment URL",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_PIN",
    "categoryLabel": "Template For Enrollment PIN",
    "notificationTemplate": null
  },
  {
    "category": "ENROLLMENT_CONFIRMATION",
    "categoryLabel": "Template For Enrollment Confirmation",
    "notificationTemplate": null
  }
],
"requiringSecret": false,
"requiringIdentification": true,
"requiringAuthentication": true,
"defaultable": true,
"requiringToken": false,
"shpMode": false,
"enabled": true,
"default": true
},

```

```

{
  "name": "high_security",
  "modeDisplayName": "High Security",
  "validDurationMillis": 86400000,
  "maxTry": 3,
  "secretLength": 8,
  "secretGenerator": "NUMERIC",
  "notificationTemplateCategories": [
    {
      "category": "ENROLLMENT_AGENT",
      "categoryLabel": "Template For Agent Download",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_URL",
      "categoryLabel": "Template For Enrollment URL",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": true,
  "requiringIdentification": true,
  "requiringAuthentication": true,
  "defaultable": false,

```

```

    "requiringToken": true,
    "shpMode": false,
    "enabled": true,
    "default": false
  },
  {
    "name": "invitation",
    "modeDisplayName": "Invitation URL",
    "validDurationMillis": 86400000,
    "maxTry": 0,
    "secretLength": null,
    "secretGenerator": null,
    "notificationTemplateCategories": [
      {
        "category": "ENROLLMENT_AGENT",
        "categoryLabel": "Template For Agent Download",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
      }
    ]
  }

```

```

    ],
    "requiringSecret": false,
    "requiringIdentification": false,
    "requiringAuthentication": false,
    "defaultable": false,
    "requiringToken": true,
    "shpMode": false,
    "enabled": true,
    "default": false
  },
  {
    "name": "invitation_pin",
    "modeDisplayName": "Invitation URL + PIN",
    "validDurationMillis": 86400000,
    "maxTry": 3,
    "secretLength": 8,
    "secretGenerator": "NUMERIC",
    "notificationTemplateCategories": [
      {
        "category": "ENROLLMENT_AGENT",
        "categoryLabel": "Template For Agent Download",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
      }
    ]
  },

```



```

    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": true,
  "requiringIdentification": false,
  "requiringAuthentication": false,
  "defaultable": false,
  "requiringToken": true,
  "shpMode": false,
  "enabled": true,
  "default": false
},
{
  "name": "invitation_pwd",
  "modeDisplayName": "Invitation URL + Password",
  "validDurationMillis": 86400000,
  "maxTry": 3,
  "secretLength": null,
  "secretGenerator": null,
  "notificationTemplateCategories": [
    {
      "category": "ENROLLMENT_AGENT",
      "categoryLabel": "Template For Agent Download",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_URL",
      "categoryLabel": "Template For Enrollment URL",
      "notificationTemplate": null
    }
  ],

```

```

    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": false,
  "requiringIdentification": false,
  "requiringAuthentication": true,
  "defaultable": false,
  "requiringToken": true,
  "shpMode": false,
  "enabled": true,
  "default": false
},
{
  "name": "two_factor",
  "modeDisplayName": "Two Factor",
  "validDurationMillis": 86400000,
  "maxTry": 3,
  "secretLength": 8,
  "secretGenerator": "NUMERIC",
  "notificationTemplateCategories": [
    {
      "category": "ENROLLMENT_AGENT",
      "categoryLabel": "Template For Agent Download",
      "notificationTemplate": null
    }
  ],

```

```

    {
      "category": "ENROLLMENT_URL",
      "categoryLabel": "Template For Enrollment URL",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": true,
  "requiringIdentification": true,
  "requiringAuthentication": true,
  "defaulttable": true,
  "requiringToken": false,
  "shpMode": false,
  "enabled": true,
  "default": false
},
{
  "name": "username_pin",
  "modeDisplayName": "User name + PIN",
  "validDurationMillis": 86400000,
  "maxTry": 3,
  "secretLength": 8,
  "secretGenerator": "NUMERIC",
  "notificationTemplateCategories": [

```

```

    {
      "category": "ENROLLMENT_AGENT",
      "categoryLabel": "Template For Agent Download",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_URL",
      "categoryLabel": "Template For Enrollment URL",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": null
    }
  ],
  "requiringSecret": true,
  "requiringIdentification": true,
  "requiringAuthentication": false,
  "defaultable": true,
  "requiringToken": false,
  "shpMode": false,
  "enabled": true,
  "default": false
}
],
"notificationTemplatesCategories": [
  {

```

```

"category": "ENROLLMENT_AGENT",
"notificationTemplate": [
  {
    "id": 3,
    "agent": null,
    "automatic": null,
    "description": null,
    "name": "iOS Download Link",
    "eventType": "ZDM_NOTIFICATION_ENROLLMENT_DOWNLOAD_IOS",
    "sms": null,
    "smtp": null,
    "systemNoDelete": null,
    "classifications": null,
    "msg": null
  }
],
{
  "category": "ENROLLMENT_URL",
  "notificationTemplate": [
    {
      "id": 5,
      "agent": null,
      "automatic": null,
      "description": null,
      "name": "Enrollment Invitation",
      "eventType": "ZDM_NOTIFICATION_ENROLLMENT_INVITATION",
      "sms": null,
      "smtp": null,
      "systemNoDelete": null,
      "classifications": null,
      "msg": null
    }
  ]
}

```

```

    ]
  },
  {
    "category": "ENROLLMENT_PIN",
    "notificationTemplate": [
      {
        "id": 4,
        "agent": null,
        "automatic": null,
        "description": null,
        "name": "Enrollment PIN",
        "eventType": "ZDM_NOTIFICATION_ENROLLMENT_PIN",
        "sms": null,
        "smtp": null,
        "systemNoDelete": null,
        "classifications": null,
        "msg": null
      }
    ]
  }
],
{
  "category": "ENROLLMENT_CONFIRMATION",
  "notificationTemplate": [
    {
      "id": 1,
      "agent": null,
      "automatic": null,
      "description": null,
      "name": "Enrollment Confirmation",
      "eventType": "ZDM_NOTIFICATION_ENROLLMENT_CONFIRMATION_ON_SUCCESS",
      "sms": null,
      "smtp": null,
      "systemNoDelete": null,

```

```

        "classifications": null,
        "msg": null
    }
]
}
],
"domainGroupsList": [

],
"carriers": [
    "NONE",
    "Alltel",
    "AT&T",
    "Boost Mobile",
    "Bouygues Telecom",
    "Cingular",
    "Metro PCS",
    "Nextel",
    "Orange",
    "Powertel",
    "SFR",
    "Sprint",
    "SunCom",
    "T-Mobile",
    "US Cellular",
    "Verizon",
    "Virgin Mobile"
]
}
}

```

3.20.1.3 Trigger Enrollment Notification

URL	https://hostname:4443/xenmobile/api/v1/enrollment/notify
-----	---

Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```
[
  "ep-0f05c0f3-c90c-42b6-ae9c-06dcabe01ae2",
  "ep-deaeca69-41cf-48b3-868c-ae1b4ab448be"
]
```

Note: Should be a list of One-Time Passwords (OTPs).

Sample Request:

```
{
  "status": 0,
  "message": "Success"
}
```

3.20.1.4 Create Enrollment Invitation

URL	https://hostname:4443/xenmobile/api/v1/enrollment
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Field name	Description
platform	Possible platform values are :- iOS or SHTP or WINPHONE or MacOSX
deviceOwnership	Possible deviceOwnership values are:- CORPORATE or BYOD or NO_BINDING
mode > name	All possible enrollment modes can be obtained by calling getEnrollmentModes defined above.
carrier	All possible carriers can be obtained by calling getEnrollmentInfo defined above.
deviceBindingType	Possible deviceBindingType values:- UDID or SERIALNUMBER or IMEI
notifyNow	Set this flag to true if notifications need to be sent immediately, as soon as OTP is created.

Sample Request (For Single User):-

```
{
```



```
"platform": "iOS",
"deviceOwnership": "CORPORATE",
"mode": {
  "name": "classic"
},
"userName": "local1",
"notificationTemplateCategories": [
  {
    "category": "ENROLLMENT_AGENT",
    "notificationTemplate": {
      "name": "iOS Download Link"
    }
  },
  {
    "category": "ENROLLMENT_URL",
    "notificationTemplate": {
      "name": "NONE"
    }
  },
  {
    "category": "ENROLLMENT_PIN",
    "notificationTemplate": {
      "name": "NONE"
    }
  },
  {
    "category": "ENROLLMENT_CONFIRMATION",
    "notificationTemplate": {
      "name": "Enrollment Confirmation"
    }
  }
],
"phoneNumber": "9999999999",
```

```
"carrier": "Alltel",
"deviceBindingType": "SERIALNUMBER",
"deviceBindingData": "987654321",
"notifyNow": true
}
```

Sample Response (For Single User):

```
{
  "status": 0,
  "message": "Success",
  "token": "ep-31ae1cb3-f96b-41dd-8d87-c245799a04af",
  "url": "https://hostname:8443/zdm/su?e=ep-31ae1cb3-f96b-41dd-8d87-c245799a04af"
}
```

Sample Request (For Group):

```
{
  "platform": "iOS",
  "deviceOwnership": "CORPORATE",
  "mode": {
    "name": "classic"
  },
  "notificationTemplateCategories": [
    {
      "category": "ENROLLMENT_AGENT",
      "notificationTemplate": {
        "name": "iOS Download Link"
      }
    },
    {
      "category": "ENROLLMENT_URL",
      "notificationTemplate": {
        "name": "NONE"
      }
    }
  ]
}
```

```

    }
  },
  {
    "category": "ENROLLMENT_PIN",
    "notificationTemplate": {
      "name": "NONE"
    }
  },
  {
    "category": "ENROLLMENT_CONFIRMATION",
    "notificationTemplate": {
      "name": "Enrollment Confirmation"
    }
  }
],
"carrier": "NONE",
"deviceBindingType": "SERIALNUMBER",
"domainName": "local",
"groupName": "AC08EP61S75",
"notifyNow": true
}

```

Sample Response (For Group):-

```

{
  "status": 0,
  "message": "OTPs created successfully for group",
  "token": null,
  "url": null
}

```

You cannot send a token for a group, since it may contain multiple users.

3.20.1.5 Get Enrollment Records by Filter

URL	https://hostname:4443/xenmobile/api/v1/enrollment/filter
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

```
{
  "start": "0",
  "limit": "10",
  "sortOrder": "ASC",
  "sortColumn": "ID",
  "search": "Any search term",
  "enableCount": "false",
  "filterIds": "['group#/group/MSP@_fn_@normal']"
}
```

All fields are optional

Field name	Description
sortOrder	Valid values are ASC, DSC and DESC
filterIds	Array of filter ids. The filter ids are obtained as part of the response.

```
Sample Response:{
  "status": 0,
  "message": "Success",
  "enrollmentFilterResponse": {
    "currentFilter": {
      "detail": [
        {
          "displayName": "Invitation Status",
          "name": "enrollment.invitationStatus",
          "value": null,
          "level": null,
          "checked": null,
          "leafNode": false,
          "nodes": [
```

```

{
  "displayName": "Redeemed",
  "name": "enrollment.invitationStatus.redeemed",
  "value": -1,
  "level": 0,
  "checked": false,
  "leafNode": true,
  "nodes": null
},
{
  "displayName": "Pending",
  "name": "enrollment.invitationStatus.pending",
  "value": -1,
  "level": 0,
  "checked": false,
  "leafNode": true,
  "nodes": null
},
{
  "displayName": "Expired",
  "name": "enrollment.invitationStatus.expired",
  "value": -1,
  "level": 0,
  "checked": false,
  "leafNode": true,
  "nodes": null
},
{
  "displayName": "Failed",
  "name": "enrollment.invitationStatus.failed",
  "value": -1,
  "level": 0,
  "checked": false,

```

```

        "leafNode": true,
        "nodes": null
    }
]
},
{
    "displayName": "Invitation Platform",
    "name": "enrollment.invitationPlatform",
    "value": null,
    "level": null,
    "checked": null,
    "leafNode": false,
    "nodes": [
        {
            "displayName": "Android",
            "name": "enrollment.invitationPlatform.android",
            "value": -1,
            "level": 0,
            "checked": false,
            "leafNode": true,
            "nodes": null
        },
        {
            "displayName": "iOS",
            "name": "enrollment.invitationStatus.ios",
            "value": -1,
            "level": 0,
            "checked": false,
            "leafNode": true,
            "nodes": null
        }
    ]
}
},

```

```

{
  "displayName": "Invitation Mode",
  "name": "enrollment.invitationMode",
  "value": null,
  "level": null,
  "checked": null,
  "leafNode": false,
  "nodes": [
    {
      "displayName": "User name + Password",
      "name": "enrollment.invitationMode#classic@_fn_@invitation",
      "value": -1,
      "level": 0,
      "checked": false,
      "leafNode": true,
      "nodes": null
    }
  ]
},
{
  "displayName": "Device Ownership",
  "name": "enrollment.ownership",
  "value": null,
  "level": null,
  "checked": null,
  "leafNode": false,
  "nodes": [
    {
      "displayName": "BYOD",
      "name": "enrollment.ownership.byod",
      "value": -1,
      "level": 0,
      "checked": false,

```

```

        "leafNode": true,
        "nodes": null
    },
    {
        "displayName": "Corporate owned",
        "name": "enrollment.ownership.corporate",
        "value": -1,
        "level": 0,
        "checked": false,
        "leafNode": true,
        "nodes": null
    },
    {
        "displayName": "Unknown",
        "name": "enrollment.ownership.unknown",
        "value": -1,
        "level": 0,
        "checked": false,
        "leafNode": true,
        "nodes": null
    }
]
}
],
"selectedFilters": [

]
},
"enrollmentList": {
    "enrollments": [
        {
            "token": "ep-31ae1cb3-f96b-41dd-8d87-c245799a04af",
            "type": "iOS",

```



```
"typeLabel": "iOS",
"mode": "classic",
"userName": "local1",
"deviceBindingType": "SERIALNUMBER",
"deviceBindingTypeLabel": "Serial Number",
"deviceBindingData": "987654321",
"secret": null,
"createTime": 1476618383925,
"validUntil": null,
"status": "PENDING",
"statusLabel": "_X_ew_FILTER_DEVICE_INVITATION_STATUS_PENDING",
"notificationTemplateCategories": [
  {
    "category": "ENROLLMENT_AGENT",
    "categoryLabel": "Template For Agent Download",
    "notificationTemplate": {
      "id": 3,
      "agent": null,
      "automatic": null,
      "description": null,
      "name": "iOS Download Link",
      "eventType": "ZDM_NOTIFICATION_ENROLLMENT_DOWNLOAD_IOS",
      "sms": null,
      "smtp": null,
      "systemNoDelete": null,
      "classifications": null,
      "msg": null
    }
  },
  {
    "category": "ENROLLMENT_URL",
    "categoryLabel": "Template For Enrollment URL",
    "notificationTemplate": null
  }
]
```

```

    },
    {
      "category": "ENROLLMENT_PIN",
      "categoryLabel": "Template For Enrollment PIN",
      "notificationTemplate": null
    },
    {
      "category": "ENROLLMENT_CONFIRMATION",
      "categoryLabel": "Template For Enrollment Confirmation",
      "notificationTemplate": {
        "id": 1,
        "agent": null,
        "automatic": null,
        "description": null,
        "name": "Enrollment Confirmation",
        "eventType": "ZDM_NOTIFICATION_ENROLLMENT_CONFIRMATION_ON_SUCCESS",
        "sms": null,
        "smtp": null,
        "systemNoDelete": null,
        "classifications": null,
        "msg": null
      }
    }
  ]
},
{
  "token": "ep-9b495e0c-77fd-4e7a-9e2d-1e8b9377e38c",
  "type": "iOS",
  "typeLabel": "iOS",
  "mode": "classic",
  "userName": "admin",
  "deviceBindingType": null,
  "deviceBindingTypeLabel": null,

```

```

    "deviceBindingData": null,
    "secret": null,
    "createTime": 1476616485315,
    "validUntil": null,
    "status": "PENDING",
    "statusLabel": "_X_ew_FILTER_DEVICE_INVITATION_STATUS_PENDING",
    "notificationTemplateCategories": [
      {
        "category": "ENROLLMENT_AGENT",
        "categoryLabel": "Template For Agent Download",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_URL",
        "categoryLabel": "Template For Enrollment URL",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_PIN",
        "categoryLabel": "Template For Enrollment PIN",
        "notificationTemplate": null
      },
      {
        "category": "ENROLLMENT_CONFIRMATION",
        "categoryLabel": "Template For Enrollment Confirmation",
        "notificationTemplate": null
      }
    ],
    "count": 2,
    "totalCount": 2
  }
}

```

3.21 Role Based Access

3.21.1.1 Get Roles

URL	https://hostname:4443/xenmobile/api/v1/rbac/roles
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

```
Sample Response:{
  "status": 0,
  "message": "Roles list has been fetched successfully",
  "roles": [
    "ADMIN",
    "DEVICE_PROVISIONING",
    "SUPPORT",
    "USER"
  ],
  "totalCount": 4
}
```

3.21.1.2 Get Role Definition

URL	https://hostname:4443/xenmobile/api/v1/rbac/role/{role}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/rbac/role/DEVICE_PROVISIONING
```

Sample Response:

```
{
  "status": 0,
  "message": "Success",
  "permissions": [
    {
      "permission": "feature-USER_EDITGROUP-",
      "granted": true
    }
  ]
}
```

```
},
{
  "permission": "feature-CONFIG-",
  "granted": true
},
{
  "permission": "feature-USER_EDITUSER_PROPERTIES-",
  "granted": true
},
{
  "permission": "feature-USER_EDITUSER-",
  "granted": true
},
{
  "permission": "feature-DEVICE-",
  "granted": true
},
{
  "permission": "feature-DEVICE_EDIT_PROPERTIES-",
  "granted": true
},
{
  "permission": "feature-DEVICE_EDIT-",
  "granted": true
},
{
  "permission": "feature-SETTING-",
  "granted": true
},
{
  "permission": "feature-USER_PERMISSION-",
  "granted": true
}
```

```

],
"name": "DEVICE_PROVISIONING",
"adGroups": null
}

```

3.21.1.3 Get Permission Tree

URL	https://hostname:4443/xenmobile/api/v1/rbac/permissiontree/{role}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/rbac/permissiontree/DEVICE_PROVISIONING
```

Sample Response:

```

{
  "status": 0,
  "message": "Permission tree has been fetched successfully",
  "roleBasedAccessTreeChildren": {
    "text": "Features",
    "id": "features",
    "leaf": false,
    "children": [
      {
        "text": "Devices",
        "id": "perm-feature-DEVICE-",
        "leaf": false,
        "children": [
          {
            "text": "Edit device",
            "id": "perm-feature-DEVICE_EDIT_PROPERTIES-",
            "leaf": true,
            "children": null
          }
        ]
      }
    ]
  }
}

```

```

    {
      "text": "Add/Delete device",
      "id": "perm-feature-DEVICE_EDIT-",
      "leaf": true,
      "children": null
    }
  ],
  {
    "text": "Setting",
    "id": "perm-feature-SETTING-",
    "leaf": true,
    "children": null
  }
]
}
}

```

3.21.1.4 Get Ad Groups for role

URL	https://hostname:4443/xenmobile/api/v1/rbac/adgroups/{role}
Request type	GET
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/rbac/adgroups/DEVICE_PROVISIONING
```

Sample Response:

```

{
  "status": 0,
  "message": "Ad Groups have been fetched successfully",
  "adGroups": [
    {

```

```

    "primaryGroupToken": 545,
    "uniqueName": "Users",
    "domainName": "agsag.com"
  }
]
}

```

3.21.1.5 Add Role

URL	https://hostname:4443/xenmobile/api/v1/rbac/role
Request type	POST
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample Request:

```

{
  "name": "ADMIN_11",
  "permissions": [
    {
      "permission": "perm-feature-DEVICE-",
      "granted": true
    },
    {
      "permission": "perm-feature-DEVICE_EDIT_PROPERTIES-",
      "granted": true
    },
    {
      "permission": "perm-feature-DEVICE_EDIT-",
      "granted": true
    },
    {
      "permission": "perm-feature-SETTING-",
      "granted": true
    }
  ]
}

```



```

    }
  ],
  "adGroups": [
    {
      "primaryGroupToken": 545,
      "uniqueName": "Users",
      "domainName": "agsag.com"
    }
  ]
}

```

Sample Response:

```

{
  "status": 0,
  "message": "Role has been added successfully"
}

```

3.21.1.6 Update Role

URL	https://hostname:4443/xenmobile/api/v1/rbac/role/{ role }
Request type	PUT
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/rbac/role/ADMIN_11
```

Sample Request:

```

{
  "permissions": [
    {
      "permission": "perm-feature-DEVICE-",
      "granted": true
    },
  ],
}

```

```

{
  "permission": "perm-feature-DEVICE_EDIT_PROPERTIES-",
  "granted": true
},
{
  "permission": "perm-feature-DEVICE_EDIT-",
  "granted": true
},
{
  "permission": "perm-feature-SETTING-",
  "granted": true
}
],
"adGroups": []
}

```

```

Sample Response:{
  status: 0
  message: "Role has been updated successfully"
}

```

3.21.1.7 Delete Role

URL	https://hostname:4443/xenmobile/api/v1/rbac/role/{ role }
Request type	DELETE
Request header	Auth_token : auth token obtained during login Content type : application/json

Sample URL:

```
https://hostname:4443/xenmobile/api/v1/rbac/role/ADMIN_11
```

```

Sample Response:{
  "status": 0,
  "message": "Role has been deleted successfully"
}

```

```
}
```