

DME Testplan

Goal

This testplan will test the DME for all positive and negative functionality of the DME.

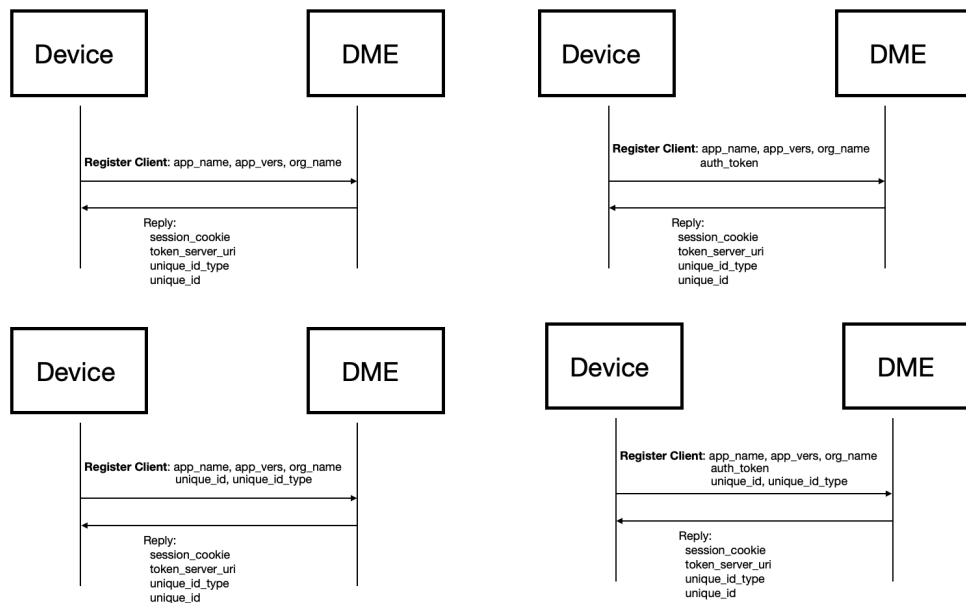
Scope

The testplan will cover the following operations for both success and failure scenarios:

- Register Client
- Get Applnst List
- Find Cloudlet
- Platform Find Cloudlet
- Get App Official FQDN
- Get FQDN List
- Verify Location
- Get Location
- Show Device
- Show Device Report

Register Client

The following call flows and testcases will be tested for Register Client.



RegisterClient Testcases

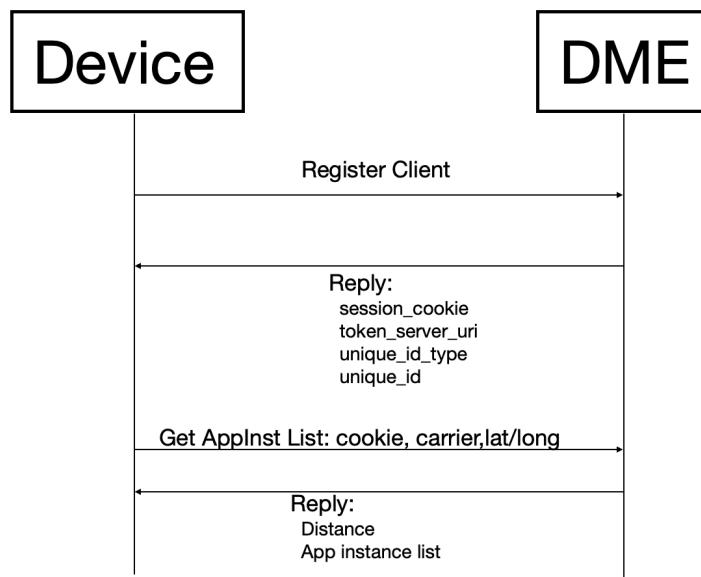
Name	Description
RegisterClient - request without auth shall return proper JWT	Send RegisterClient without auth token to register a client for an app that doesnt contains an authpublickey Verify returned JWT is correct
RegisterClient - request with wrong app_name shall return 'app not found'	send RegisterClient with app name that does not exist verify 'app not found' error is received
RegisterClient - request with wrong app_version shall return 'app not found'	send RegisterClient with app name that exists but wrong app version verify 'app not found' error is received
RegisterClient - request with wrong developer_name shall return 'app not found'	send RegisterClient with app name that exists but wrong developer verify 'app not found' error is received
RegisterClient - request with wrong app_name,app_version, and developer_name shall return 'app not found'	send RegisterClient with app name, app version and developer that doenst exist verify 'app not found' error is received
RegisterClient - request shall succeed after adding app	send RegisterClient with app that does not exist verify 'app not found' is received provision everything but an app send RegisterClient again verify 'app not found' is received since app inst is not added yet provision app inst send RegisgterClient again register succeeds
RegisterClient - request with auth shall return proper JWT for deployment=docker	Send RegisterClient with auth token to register a client for an app that contains an authpublickey Verify returned JWT is correct
RegisterClient - request with auth shall return proper JWT for deployment=kubernetes	Send RegisterClient with auth token to register a client for an app that contains an authpublickey Verify returned JWT is correct
RegisterClient - request with auth shall return proper JWT for deployment=vm	Send RegisterClient with auth token to register a client for an app that contains an authpublickey Verify returned JWT is correct
RegisterClient - request for app without authpublickey shall return 'No authkey found to validate token'	send RegisterClient with for app with no authpublickey verify 'No authkey found to validate token' is received
RegisterClient - request with invalid version in token shall return 'failed to verify token - token appvers mismatch'	send RegisterClient with wrong app version verify 'failed to verify token - token appvers mismatch' is received

Name	Description
RegisterClient - request with invalid appname in token shall return 'failed to verify token - token appname mismatch'	send RegisterClient with wrong app name verify 'failed to verify token - token appname mismatch' is received
RegisterClient - request with invalid devname in token shall return 'failed to verify token - token developer mismatch'	send RegisterClient with wrong developer name verify 'failed to verify token - token developer mismatch'
RegisterClient - request with invalid token shall return 'failed to verify token - token contains an invalid number of segments'	send RegisterClient with wrong auth token verify 'failed to verify token - token contains an invalid number of segments' is received
RegisterClient - request with expired token shall return 'failed to verify token - token is expired'	generate at token send RegisterClient with the token which should pass wait 70secs and send RegisterClient again with the same token verify 'failed to verify token - token is expired' is received
RegisterClient - request with app_name only shall return 'DevName cannot be empty'	Send RegisterClient with app_name only Verify 'DevName cannot be empty' is returned
RegisterClient - request with app_version only shall return 'DevName cannot be empty'	Send RegisterClient with app_version only Verify 'DevName cannot be empty' is returned
RegisterClient - request with developer name only shall return 'AppName cannot be empty'	Send RegisterClient with developer name only Verify 'AppName cannot be empty' is returned
RegisterClient - request without developer name shall return 'DevName cannot be empty'	Send RegisterClient without developer name Verify 'DevName cannot be empty' is returned
RegisterClient - request without app version shall return 'AppVers cannot be empty'	Send RegisterClient without app version Verify 'AppVers cannot be empty' is returned
RegisterClient - request without app name shall return 'AppName cannot be empty'	Send RegisterClient without app_name Verify 'AppName cannot be empty' is returned
RegisterClient - request without authtoken for app with token shall return 'No authtoken received'	Send RegisterClient without authtoken for app that does not have a public key Verify 'No authtoken received' is returned
RegisterClient - register shall work when keep creating/deleting same app instance	Create app instance register client delete/readd app instance register client again to same app instance repeat 10 times
RegisterClient - request without id and type shall return device information	registerClient with samsung app without unique_id and typ verify returns id and type
RegisterClient - request without id shall return error	registerClient with samsung app without id verify returns error

Name	Description
RegisterClient - request with id and type shall return empty unique_id and type	registerClient with samsung app with unique_id and type verify returns empty id and type
RegisterClient - request with id and type and auth shall return device information	registerClient with samsung app with unique_id and type and auth verify returns id and type

Get Applnst List

The following call flow and testcases will be tested for Get Applnst List.



Get Applnst List Testcases

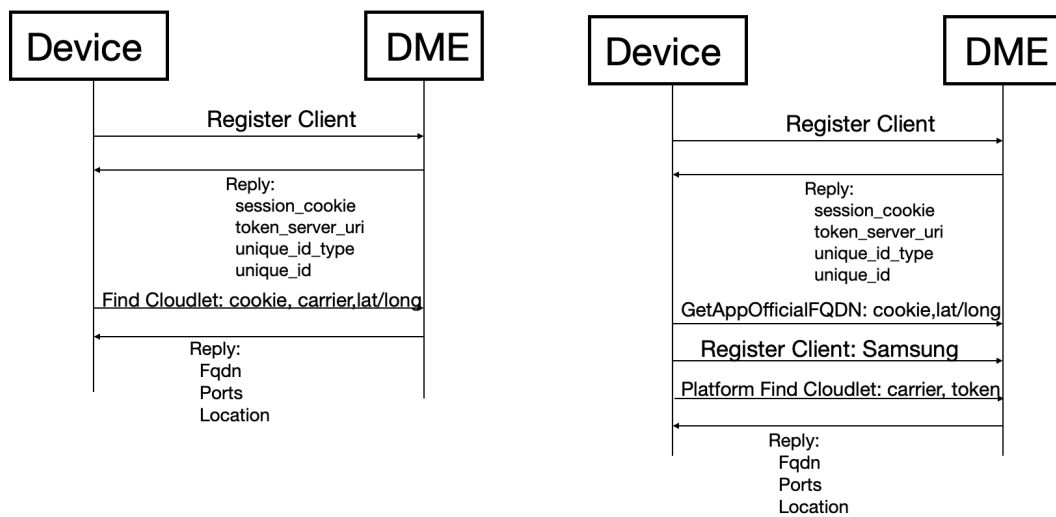
Name	Description
GetApplnstList - request with no app instance shall return 0 app	registerClient against app with no app instance send GetApplnstList for 0 app verify returns 0 result
GetApplnstList - request shall return 10 cloudlets	registerClient send GetApplnstList for 10 cloudlets verify returns 10 cloudlets

GetApplnstList - request shall return 1 app	registerClient send GetApplnstList for 1 app verify returns 1 result
GetApplnstList - request shall return only app that matches carrier	registerClient send GetApplnstList for 1 app verify returns only appinst that matches carrier
GetApplnstList - request shall return app with multiple ports	registerClient send GetApplnstList for app with multiple ports verify returns 1 result with multiple ports
GetApplnstList - request shall return azure app	add azure app registerClient send GetApplnstList for azure app verify returns azure result
GetApplnstList - request without cookie should return 'missing cookie'	Send GetApplnstList without a session cookie verify 'missing cookie' error is received
GetApplnstList - request with invalid cookie of x should return 'token contains an invalid number of segments'	Send getApplnstList with session cookie of 'x' verify 'token contains an invalid number of segments' error is received
GetApplnstList - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie	Send GetApplnstList with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received
GetApplnstList - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'	Send GetApplnstList with partial session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received
GetApplnstList - request with expired cookie should return 'token is expired by'	Send GetApplnstList with expired session cookie verify 'token is expired by' error is received
GetApplnstList - request shall not return default cloudlet apps	create an appinst with cloudlet_name=tmocloud-2 and operator_name=tmus create an appinst with cloudlet_name=default and operator_name=developer registerClient send GetApplnstList verify returns only tmocloud-2 app and not default cloudlet app

GetApplnstList - request shall return GCP app	add GCP app registerClient send GetApplnstList for GCP app verify returns GCP result
GetApplnstList - request shall fail with no GPS coords	registerClient send GetApplnstList with no GPS coord verify returns missing GPS location"
GetApplnstList - request shall return app with no ports	registerClient send GetApplnstList for app with no ports verify returns 1 result without ports section
GetApplnstList - request without carriername shall return 3 apps	registerClient send GetApplnstList without carrier name verify returns 3 result
GetApplnstList - request without carriername and large limit shall return all apps	registerClient send GetApplnstList without carrier name and large limit verify returns 3 result
GetApplnstList - request without carriername and limit shall return right apps	registerClient send GetApplnstList with limit verify returns right number of apps
GetApplnstList - request with invalid limit shall return error	registerClient send GetApplnstList with invalid limit verify returns right error
GetApplnstList - request with opertor code mapping shall return 1 app	registerClient send GetApplnstList with operator code for 1 app verify returns 1 result

Find Cloudlet

The following call flow and testcases will be tested for Find Cloudlet.



FindCloudlet Testcases

Name	Description
FindCloudlet - findCloudlet shall return azure with with azure cloudlet provisioned and closer by more than 100km	<p>findCloudlet with tmus and azure. tmus farther but greater than 100km from azure - return azure tmus tmocloud-2 cloudlet at: 35 -95 azure azurecloud-1 cloudlet at: 37 -95</p> <p>find cloudlet closest to : 37 -96 239.89km from tmus 88.80km from azure azure is closer by 151.09km which is more than 100km closer. return azure cloudlet</p> <p>ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95</p>

FindCloudlet - request shall return azure with tmus and gcp/azure cloudlet provisioned and tmus farther and > 100km than azure and gcp and azure closer than gcp

findCloudlet with tmus/gcp/azure provisioned. tmus farther than 100km from azure/gcp. azure closer than gcp by more than 100km. return azure
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 38 -96
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
111.19km from gcp
88.80km from azure
azure is closer by 151.09km which is more than 100km closer. return azure cloudlet
gcp is closer by 128.70km which is greater than 100km closer
ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 37
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 38
long: -96

FindCloudlet - request shall return azure with tmus and gcp/azure cloudlet provisioned and tmus farther but > 100km than azure and < 100km than gcp and azure closer than gcp

findCloudlet with tmus/azure/gcp provisioned. tmus farther than azure/gcp. tmus > 100km than azure. tmus < 100km than gcp. azure closer than gcp. return azure

tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 36 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
142.67km from gcp
88.80km from azure
azure is closer by 151.09km which is more than 100km closer. return azure cloudlet
gcp is closer by 97.22km which is less than 100km closer
ShowCloudlet

- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95

- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 37
long: -95

- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 36
long: -95

<p>FindCloudlet - request shall return azure with tmus and gcp/azure cloudlet provisioned and requesting azure</p>	<p>findCloudlet with tmus/gcp/azure provisioned. request azure. return azure tmus tmocloud-2 cloudlet at: 35 -95 gcp gcpcloud-1 cloudlet at: 36 -95 azure azurecloud-1 cloudlet at: 37 -95 find cloudlet closest to : 36 -96 143.38km from tmus 89.96km from gcp 142.67km from azure tmus farther than gcp/azure but less than 100km closer. return azure cloudlet since requesting azure</p> <p>ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95 - key: operatorkey: name: gcp name: gcpcloud-1 location: lat: 36 long: -95</p>
<p>FindCloudlet - request without cookie should return 'missing cookie'</p>	<p>Send FindCloudlet without a session cookie verify 'missing cookie' error is received</p>
<p>FindCloudlet - request with invalid cookie of x should return 'token contains an invalid number of segments'</p>	<p>Send FindCloudlet with session cookie of 'x' verify 'token contains an invalid number of segments' error is received</p>
<p>FindCloudlet - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie</p>	<p>Send FindCloudlet with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received</p>
<p>FindCloudlet - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'</p>	<p>Send FindCloudlet with parital session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received</p>

FindCloudlet - request with expired cookie should return 'token is expired by'	Send FindCloudlet with expired session cookie verify 'token is expired by' error is received
FindCloudlet - request without cookie should return 'missing cookie'	Send FindCloudlet without a session cookie verify 'missing cookie' error is received
FindCloudlet - request with invalid cookie of x should return 'token contains an invalid number of segments'	Send FindCloudlet with session cookie of 'x' verify 'token contains an invalid number of segments' error is received
FindCloudlet - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie	Send FindCloudlet with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received
FindCloudlet - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'	Send FindCloudlet with partial session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received
FindCloudlet - request with expired cookie should return 'token is expired by'	Send FindCloudlet with expired session cookie verify 'token is expired by' error is received

FindCloudlet - request shall return gcp with tmus and gcp/azure cloudlet provisioned and tmus farther and > 100km from gcp and azure and gcp closer than azure

findCloudlet with tmus/gcp/azure provisioned. tmus >100km than azure/gcp. gcp closer than azure. return gcp
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 38 -96
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
111.19km from azure
88.80km from gcp
gcp is closer by 151.09km which is more than 100km closer. return gcp cloudlet
azure is closer by 128.70km which is greater than 100km closer
ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95
- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 38
long: -96

FindCloudlet - request shall return gcp with tmus farther and > 100km farther than gcp

findCloudlet with gcp closer by more than 100km. return gcp
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
88.80km from gcp
gcp is closer by 151.09km which is more than 100km closer. return gcp cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return gcp with tmus and gcp/azure cloudlet provisioned and tmus farther and > 100km than gcp and < 100km than azure and gcp closer than azure

findCloudlet with tmus/gcp/azure provisioned. tmus farther than gcp and azure. tmus > 100km than gcp. tmus < 100km than azure. gcp closer than azure. return gcp
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 36 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
142.67km from azure
88.80km from gcp
gcp is closer by 151.09km which is more than 100km closer. return gcp cloudlet
azure is closer by 97.22km which is less than 100km closer
ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95
- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 36
long: -95

<p>FindCloudlet - request shall return gcp with tmus and gcp/azure cloudlet provisioned and requesting gcp</p>	<p>findCloudlet with tmus/gcp/azure provisioned. request gcp. return gcp tmus tmocloud-2 cloudlet at: 35 -95 gcp gcpcloud-1 cloudlet at: 36 -95 azure azurecloud-1 cloudlet at: 37 -95 find cloudlet closest to : 36 -96 143.38km from tmus 89.96km from gcp 142.67km from azure tmus farther than gcp/azure but less than 100km closer. return gcp cloudlet since requesting gcp</p> <p>ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95 - key: operatorkey: name: gcp name: gcpcloud-1 location: lat: 36 long: -95</p>
<p>FindCloudlet - request with too small latitude should return 'Invalid GpsLocation'</p>	<p>send FindCloudlet with latitude of -91 verify 'Invalid GpsLocation' is received</p>
<p>FindCloudlet - request with too large latitude should return 'Invalid GpsLocation'</p>	<p>send FindCloudlet with latitude of 91 verify 'Invalid GpsLocation' is received</p>
<p>FindCloudlet - request with too small longitude should return 'Invalid GpsLocation'</p>	<p>send FindCloudlet with longitude of -181 verify 'Invalid GpsLocation' is received</p>
<p>FindCloudlet - request with too large longitude should return 'Invalid GpsLocation'</p>	<p>send FindCloudlet with longitude of 181 verify 'Invalid GpsLocation' is received</p>
<p>FindCloudlet - request with out-of-range latitude/longitude should return 'Invalid GpsLocation'</p>	<p>send FindCloudlet with latitude=9999999999999999 and longitude of -9999999999999999 verify 'Invalid GpsLocation' is received</p>

FindCloudlet - request without lat/long should return 'Missing GpsLocation'	send FindCloudlet with no latitude or longitude verify 'Missing GpsLocation' is received
FindCloudlet - request with latitude only should return error	send FindCloudlet with latitude only verify proper error is received
FindCloudlet - request with longitude only should return error	send FindCloudlet with longitude only verify proper error is received
FindCloudlet - request with carrier_name and latitude only should fail	send FindCloudlet with carrier name and latitude only verify error is received
FindCloudlet - request with carrier_name and longitude only should fail	send FindCloudlet with carrier name and longitude only verify error is received
FindCloudlet - findCloudlet without carrier shall return cloudlet regardless of carrier	<p>findCloudlet without carrier name and with att and tmus and azure. verify returns each appinst based on location only tmus tmocloud-2 cloudlet at: 35 -95 azure azurecloud-1 cloudlet at: 37 -95</p> <p>find cloudlet closest to : 37 -96 239.89km from tmus 88.80km from azure azure is closer by 151.09km which is more than 100km closer. return azure cloudlet</p> <p>ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95</p>

FindCloudlet Samsung - findCloudlet shall return azure with with azure cloudlet provisioned and closer by more than 100km

registerClient
getAppOfficialFqdn
registerClient with samsung app
platformFindCloudlet with token. tmus
farther but greater than 100km from
azure - return azure
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95

find cloudlet closest to : 37 -96
239.89km from tmus
88.80km from azure
azure is closer by 151.09km which is
more than 100km closer. return azure
cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 37
long: -95

FindCloudlet Samsung - request shall return gcp with tmus farther and > 100km farther than gcp

registerClient
getAppOfficialFqdn
registerClient with samsung app
platformFindCloudlet with token and gcp
closer by more than 100km. return gcp
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
88.80km from gcp
gcp is closer by 151.09km which is more
than 100km closer. return gcp cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95

FindCloudlet Samsung - request shall return tmus with azure cloudlet provisioned and tmus closer and > 100km from request

```
registerClient
getAppOfficialFqdn
registerClient with samsung app
platforFindCloudlet with token and tmus
and azure provisioned. tmus closer and
> 100km from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 34 -96
144.09km from tmus
345.64km from azure
tmus closer than azure. return tmus
cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: azure
name: azurecloud-1
location:
lat: 37
long: -95
```

FindCloudlet Samsung - request shall return tmus with gcp/azure cloudlet provisioned and tmus closer and < 100km from request	<pre>registerClient getAppOfficialFqdn registerClient with samsung app send platformFindcloudlet with token and tmus/gcp/azure provisioned. tmus closer and < 100km from request. return tmus tmus tmocloud-2 cloudlet at: 35 -95 gcp gcpcloud-1 cloudlet at: 37 -94 azure azurecloud-1 cloudlet at: 37 -95 find cloudlet closest to : 35 -94 91.09km from tmus 222.39km from gcp 239.89km from azure tmus closer than gcp/azure. return tmus cloudlet ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95 - key: operatorkey: name: gcp name: gcpcloud-1 location: lat: 37 long: -94</pre>
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FindCloudlet Samsung - request shall return tmus with gcp cloudlet provisioned and tmus closer and < 100km from request

```
registerClient
getAppOfficialFqdn
registerClient with samsung app
platformFindCloudlet with token and with
tmus and gcp. tmus closer and < 100km
from request - return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 35 -94
91.09km from tmus
239.89km from gcp
tmus closer than and gcp but less than
100km. return tmus cloudlet
```

```
ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95
```

FindCloudlet REST - request with timestamp shall return tmus

findCloudlet rest with tmus and azure provisioned. tmus closer and > 100km from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 34 -96
144.09km from tmus
345.64km from azure
tmus closer than azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with azure cloudlet closer but no appinst provisioned	<p>findCloudlet with tmus and azure provisioned but not appinst provisioned for azure. return tmus tmus tmocloud-2 cloudlet at: 35 -95 azure azurecloud-1 cloudlet at: 37 -95 find cloudlet closest to : 37 -96 239.89km from tmus 88.80km from azure azure is closer by 151.09km which is more than 100km closer. return tmus cloudlet since no azure appinst</p> <p>ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 37 long: -95</p>
FindCloudlet - request shall return tmus with no gcp/ azure provisioned and same coord as tmocloud-1	<p>send findCloudlet with same coord as tmocloud-1 and no gcp/azure provisioned. return tmocloud-1</p>
FindCloudlet - request shall return tmus with no gcp/ azure provisioned and same coord as tmocloud-1	<p>send findCloudlet with same coord as tmocloud-1 and no gcp/azure provisioned. return tmocloud-1</p>
FindCloudlet - request shall return FIND_NOT_FOUND when requesting an operator that doesnt exist	<p>send findCloudlet with an operator that does not exist. return 'FIND_NOTFOUND'</p>

FindCloudlet - request shall return tmus with gcp cloudlet closer but no appinst provisioned

findCloudlet with with gcp closer by more than 100km but not appinst provisioned. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 37 -96
239.89km from tmus
88.80km from gcp
gcp is closer by 151.09km which is more than 100km closer. return tmus cloudlet since no gcp appinst

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return proper cloudlet when multiple cloudlets exist	<p>findCloudlet with 10 tmus and 1 azure/gcp cloudlet provisioned. verify returns proper cloudlet</p> <p>tmus tmocloud-1 cloudlet at: 31 -91 tmus tmocloud-2 cloudlet at: 35 -95 tmus tmocloud-3 cloudlet at: 35 -96 tmus tmocloud-4 cloudlet at: 35 -97 tmus tmocloud-5 cloudlet at: 35 -98 tmus tmocloud-6 cloudlet at: 35 -99 tmus tmocloud-7 cloudlet at: 35 -100 tmus tmocloud-8 cloudlet at: 35 -101 tmus tmocloud-9 cloudlet at: 35 -102 tmus tmocloud-10 cloudlet at: 35 -103 azure azurecloud-1 cloudlet at: 35 -93 gcp gcpcloud-1 cloudlet at: 35 -105</p> <p>find cloudlet closest to : 31 -91 find cloudlet closest to : 35 -92 find cloudlet closest to : 35 -93 find cloudlet closest to : 35 -94 find cloudlet closest to : 35 -95 find cloudlet closest to : 35 -96 find cloudlet closest to : 35 -97 find cloudlet closest to : 35 -98 find cloudlet closest to : 35 -99 find cloudlet closest to : 35 -100 find cloudlet closest to : 35 -101 find cloudlet closest to : 35 -102 find cloudlet closest to : 35 -103 find cloudlet closest to : 35 -104 find cloudlet closest to : 35 -105 find cloudlet closest to : 35 -106 find cloudlet closest to : 35 -107</p>
FindCloudlet - request shall return tmus with no gcp/azure provisioned and same coord as tmocloud-1	<p>send findCloudlet with same coord as tmocloud-1 and no gcp/azure provisioned. return tmocloud-1</p>
FindCloudlet - request shall return tmus with no gcp/azure provisioned and same coord as tmocloud-2	<p>send findCloudlet with same coord as tmocloud-2 and no gcp/azure provisioned. return tmocloud-2</p>
FindCloudlet - request shall return tmus with no gcp/azure provisioned and coord closer to tmocloud-1	<p>send findCloudlet with coord closer to tmocloud-1 and no gcp/azure provisioned. return tmocloud-1</p>
FindCloudlet - request shall return tmus with no gcp/azure provisioned and coord closer to tmocloud-2	<p>send findCloudlet with coord closer to tmocloud-2 and no gcp/azure provisioned. return tmocloud-2</p>
FindCloudlet - request shall return tmus with no gcp/azure provisioned and coord of max distance	<p>send findCloudlet with coord of max distance and no gcp/azure provisioned. return tmocloud-1</p>

FindCloudlet - request shall return tmus with no gcp/azure provisioned and coord of min distance	send findCloudlet with coord of min distance and no gcp/azure provisioned. return tmocloud-1
FindCloudlet - request shall return tmus with azure cloudlet provisioned and tmus and azure same coord	findCloudlet with tmus and azure provisioned. tmus and azure same coord. return tmus tmus tmocloud-2 cloudlet at: 35 -95 azure azurecloud-1 cloudlet at: 35 -95 find cloudlet closest to : 36 -95 111.19km from tmus 111.19km from azure tmus and azure are same coord/distance. return tmus cloudlet ShowCloudlet - key: operatorkey: name: tmus name: tmocloud-2 location: lat: 35 long: -95 - key: operatorkey: name: azure name: azurecloud-1 location: lat: 35 long: -95

FindCloudlet shall return tmus with azure cloudlet provisioned and tmus and azure same distance

findCloudlet with tmus and azure provisioned. tmus and azure same distance from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 36 -95
111.19km from tmus
111.19km from azure
tmus and azure are same distance.
return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with azure cloudlet provisioned and tmus closer and > 100km from request

findCloudlet with tmus and azure provisioned. tmus closer and > 100km from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 34 -96
144.09km from tmus
345.64km from azure
tmus closer than azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with azure cloudlet provisioned and tmus closer and < 100km from request

findcloudlet with tmus and azure. tmus closer and < 100km from request. return tumus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 35 -94
91.09km from tmus
239.89km from azure
tmus closer than azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with gcp/azure cloudlet provisioned and tmus closer and > 100km from request

send findcloudlet with tmus/gcp/azure provisioned. tmus closer and > 100km from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp tmocloud-2 cloudlet at: 37 -94
azure tmocloud-2 cloudlet at: 37 -95
find cloudlet closest to : 34 -96
144.09km from tmus
379.52km from gcp
345.64km from azure
tmus closer than gcp/azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: tmocloud-2

location:

lat: 37

long: -95

- key:

operatorkey:

name: gcp

name: tmocloud-2

location:

lat: 37

long: -94

FindCloudlet - request shall return tmus with gcp/azure cloudlet provisioned and tmus closer and < 100km from request

send findcloudlet with tmus/gcp/azure provisioned. tmus closer and < 100km from request. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -94
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 35 -94
91.09km from tmus
222.39km from gcp
239.89km from azure
tmus closer than gcp/azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 37

long: -94

FindCloudlet - request shall return tmus with gcp/azure cloudlet provisioned and tmus closer and with large distances

send findcloudlet with tmus/gcp/azure provisioned with large distances. tmus closer. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -94
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : -90 -180
15006.44km from tmus
15226.61km from gcp
15228.78km from azure
tmus closer than gcp/azure. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 37

long: -94

FindCloudlet - request shall return tmus with gcp cloudlet provisioned and tmus closer and > 100km from request

findCloudlet with with tmus and gcp.
tmus closer and > 100km from request.
return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 34 -96
144.09km from tmus
345.64km from gcp
tmus closer than gcp. return tmus
cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95

FindCloudlet - request shall return tmus with gcp cloudlet provisioned and tmus closer and < 100km from request

findCloudlet with with tmus and gcp.
tmus closer and < 100km from request -
return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 35 -94
91.09km from tmus
239.89km from gcp
tmus closer than and gcp but less than
100km. return tmus cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95

FindCloudlet - request shall return tmus with azure cloudlet provisioned and tmus farther but < 100km than azure

send findcloudlet request with tmus/
azure provisioned. tmus farther but <
100km than azure. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 36 -96
143.38km from tmus
142.67km from azure
tmus farther than azure but less than
100km closer. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with gcp/azure cloudlet provisioned and tmus farther but < 100km from gcp/azure

send findcloudlet request with tmus/gcp/azure provisioned. tmus farther but < 100km from gcp/azure. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 36 -95
azure azurecloud-1 cloudlet at: 37 -95
find cloudlet closest to : 36 -96
143.38km from tmus
89.96km from gcp
142.67km from azure
tmus farther than gcp/azure but less than 100km closer. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 37

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 36

long: -95

FindCloudlet - request shall return tmus with gcp cloudlet provisioned and tmus farther but < 100km than gcp

findCloudlet with with tmus and gcp.
tmus farther but < 100km from request.
return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 36 -96
143.38km from tmus
142.67km from gcp
tmus farther than gcp but less than
100km closer. return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 37

long: -95

FindCloudlet - request shall return tmus with azure/gcp cloudlet provisioned and tmus/azure/gcp same coord

send findCloudlet with with tmus and gcp and azure set to the same coord
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 35 -95
azure azurecloud-1 cloudlet at: 35 -95
find cloudlet closest to : 36 -95
111.19km from tmus
111.19km from gcp
111.19km from azure
tmus and gcp are same coord/distance.
return tmus cloudlet

ShowCloudlet

- key:

operatorkey:

name: tmus

name: tmocloud-2

location:

lat: 35

long: -95

- key:

operatorkey:

name: gcp

name: gcpcloud-1

location:

lat: 35

long: -95

- key:

operatorkey:

name: azure

name: azurecloud-1

location:

lat: 35

long: -95

FindCloudlet - request shall return tmus with gcp cloudlet provisioned and tmus and gcp same coord

findCloudlet with with tmus and gcp same coord. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 35 -95
find cloudlet closest to : 36 -95
111.19km from tmus
111.19km from gcp
tmus and gcp are same coord/distance.
return tmus cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 35
long: -95

FindCloudlet - request shall return tmus with gcp cloudlet provisioned and tmus and gcp same distance away

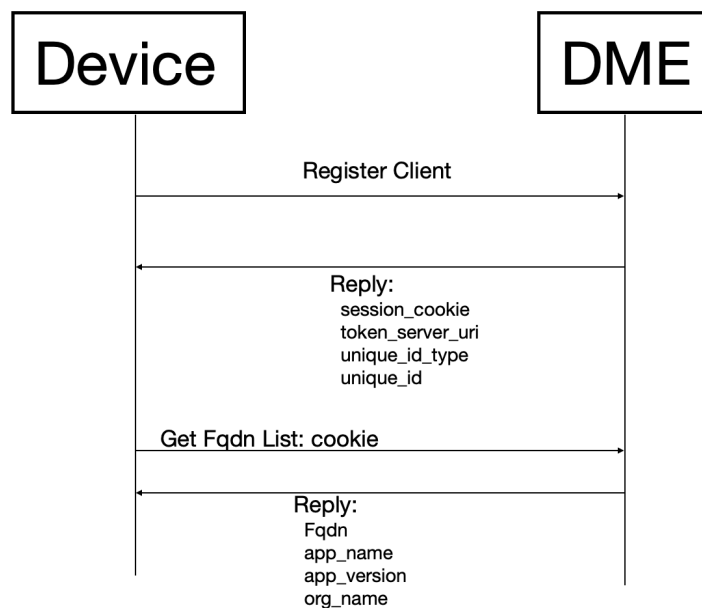
findCloudlet with with tmus and gcp same distance. return tmus
tmus tmocloud-2 cloudlet at: 35 -95
gcp gcpcloud-1 cloudlet at: 37 -95
find cloudlet closest to : 36 -95
111.19km from tmus
111.19km from gcp
tmus and gcp are same distance. return
tmus cloudlet

ShowCloudlet
- key:
operatorkey:
name: tmus
name: tmocloud-2
location:
lat: 35
long: -95
- key:
operatorkey:
name: gcp
name: gcpcloud-1
location:
lat: 37
long: -95

GetAppOfficialFqdn - request without cookie shall return error	send GetAppOfficialFqdn without cookie verify proper error is received
GetAppOfficialFqdn - request with bad cookie shall return error	send GetAppOfficialFqdn with bad cookie verify proper error is received
GetAppOfficialFqdn - request with invalid lat/long shall return error	send GetAppOfficialFqdn with invalid lat/long verify proper error is received
PlatformFindCloudlet - request without cookie shall return error	send PlatformFindCloudlet without cookie verify proper error is received
PlatformFindCloudlet - request with bad cookie shall return error	send PlatformFindCloudlet with bad cookie verify proper error is received
PlatformFindCloudlet - request with bad client_token shall return error	send PlatformFindCloudlet with bad client_token verify proper error is received
PlatformFindCloudlet - request with non-samsung session cookie shall return error	send PlatformFindCloudlet with non-samsung session cookie verify proper error is received

Get FQDN List

The following call flow and testcases will be tested for Get FQDN List.

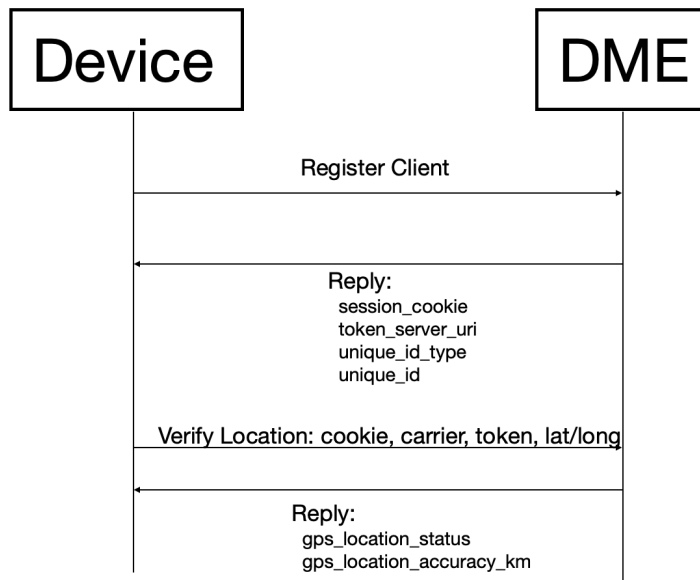


Get FQDN List Testcases

Name	Description
GetFqdnList - request shall return 0 apps	registerClient with samsung app send GetFqdnList for 0 apps verify returns empty result
GetFqdnList - request for apps with permits_platform_apps=False shall return 0 apps	registerClient with samsung app send GetFqdnList for 0 apps since permits_platform_apps=False verify returns empty result
GetFqdnList - request for apps with no permits_platform_apps shall return 0 apps	registerClient with samsung app send GetFqdnList for 0 apps since permits_platform_apps parm is not set verify returns empty result
GetFqdnList - request shall return 10 apps	registerClient with samsung app send GetFqdnList for 10 apps verify returns 10 results
GetFqdnList - request shall return 1 app	registerClient with samsung app send GetFqdnList for 1 app verify returns 1 result
GetFqdnList - request without cookie should return 'missing cookie'	Send GetFqdnList without a session cookie verify 'missing cookie' error is received
GetFqdnList - request with invalid cookie of x should return 'token contains an invalid number of segments'	Send getFqdnList with session cookie of 'x' verify 'token contains an invalid number of segments' error is received
GetFqdnList - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie	Send GetFqdnList with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received
GetFqdnList - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'	Send GetFqdnList with parital session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received
GetFqdnList - request with expired cookie should return 'token is expired by'	Send FindCloudlet with expired session cookie verify 'token is expired by' error is received
GetFqdnList - request fqdnlist for non-samsung app should fail	register client for non-samsung app Send GetFqdnList verify 'API Not allowed for developer' error is received
GetFqdnList - request shall only return apps with permits_platform_apps=True	registerClient with samsung app send GetFqdnList verify only returns apps with permits_platform_apps=True

Verify Location

The following call flow and testcases will be tested for Verify Location.



Verify Location Testcases

Name	Description
VerifyLocation - request with coord barely > 10km and < 100km shall return LOC_VERIFIED of 100km	update location to Berlin send VerifyLocatoin with coord barely over 10km away from Berlin Berlin at 52.52,13.4050 and verifyLocation at 52.61,13.4050. distance of 10.01 KM verify return LOC_VERIFIED of 100km
VerifyLocation - request with coord > 10km and < 100km shall return LOC_VERIFIED of 100km	update location to Berlin send VerifyLocatoin with coord < 100km away. Berlin at 52.52,13.4050 and verifyLocation at 53.41,13.4050. distance of 98.96 KM verify return LOC_VERIFIED of 100KM

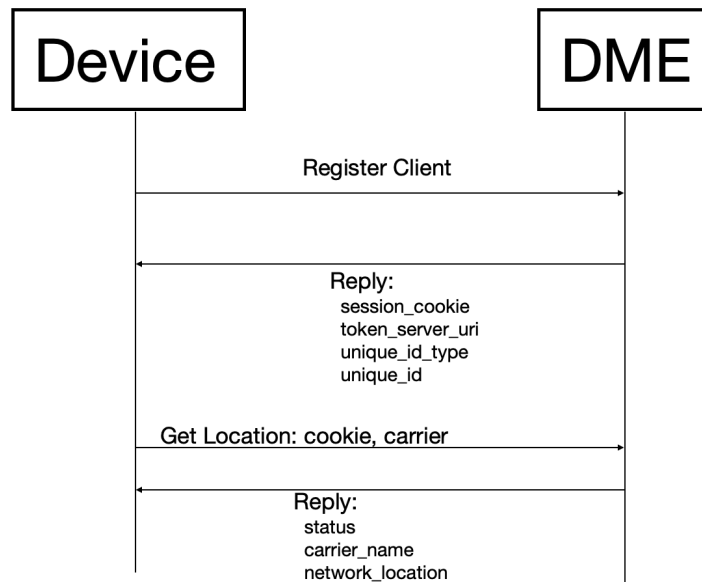
VerifyLocation - request with coord barely > 2km and < 10km shall return LOC_VERIFIED of 10km	update location to Berlin send VerifyLocatoIn with coord barely over 2km away from Berlin Berlin at 52.52,13.4050 and verifyLocation at 52.54,13.4050. distance of 2.22 KM verify return LOC_VERIFIED of 10km
VerifyLocation - request with coord > 2km and < 10km shall return LOC_VERIFIED of 10km	update location to Berlin send VerifyLocatoIn with coord < 10km away. Berlin at 52.52,13.4050 and verifyLocation at 52.609,13.4050. distance of 9.90 KM verify return LOC_VERIFIED of 10KM
VerifyLocation - request with same coord shall return LOC_VERIFIED of 2KM	update location to Berlin send VerifyLocatoIn with same coord as Berlin verify return LOC_VERIFIED of 2KM
VerifyLocation - request within < 2KM shall return LOC_VERIFIED of 2KM	update location to Berlin send VerifyLocatoIn with coord < 2km away. mobile at 52.52,13.4050 and verifyLocation at 52.53,13.4050. distance of 1.11 KM verify return LOC_VERIFIED of 2KM
VerifyLocation - request with bad token shall return LOC_ERROR_UNAUTHORIZED	send VerifyLocatoIn with token=xx verify return LOC_ERROR_UNAUTHORIZED
VerifyLocation - request with empty token shall return 'verifyloc token required'	send VerifyLocatoIn with empty token verify return 'verifyloc token required'
VerifyLocation REST - request with bad token shall return LOC_ERROR_UNAUTHORIZED	send VerifyLocatoIn with token=xx verify return LOC_ERROR_UNAUTHORIZED
VerifyLocation REST - request with empty token shall return 'verifyloc token required'	send VerifyLocatoIn with empty token verify return 'verifyloc token required'
VerifyLocation - request with carrier not found should pass	send VerifyLocation with carrier that does not exist verify request passes
VerifyLocation - request with bad session cookie shall return app not found	send VerifyLocatoIn with session cookie with an app that does not exist verify return LOC_VERIFIED of 2KM
VerifyLocation - request without cookie should return 'missing cookie'	Send VerifyLocation without a session cookie verify 'missing cookie' error is received
VerifyLocation - request with invalid cookie of x should return 'token contains an invalid number of segments'	Send VerifyLocation with session cookie of 'x' verify 'token contains an invalid number of segments' error is received

VerifyLocation - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie	Send VerifyLocation with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received
VerifyLocation - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'	Send VerifyLocation with partial session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received
VerifyLocation - request with expired cookie should return 'token is expired by'	Send VerifyLocation with expired session cookie verify 'token is expired by' error is received
VerifyLocation - request claiming to be home but actually in neighboring country shall return LOC_MISMATCH_OTHER_COUNTRY	update location to Warsaw, Poland send VerifyLocatoIn with coord in Berlin verify return LOC_MISMATCH_OTHER_COUNTRY
VerifyLocation - request claiming to be home but actually overseas shall return LOC_MISMATCH_OTHER_COUNTRY	update location to Allen, TX send VerifyLocatoIn with coord in Berlin verify return LOC_MISMATCH_OTHER_COUNTRY
VerifyLocation - request claiming to be in neighboring country but actually home shall return LOC_ROAMING_COUNTRY_MISMATCH	update location to Berlin send VerifyLocatoIn with coord in Warsaw, Poland verify return LOC_ROAMING_COUNTRY_MISMATCH
VerifyLocation - request claiming to be overseas but actually home shall return LOC_ROAMING_COUNTRY_MISMATCH	update location to Allen, TX send VerifyLocatoIn with coord in Berlin verify return LOC_ROAMING_COUNTRY_MISMATCH
VerifyLocation - request claiming to be in neighboring country and actually there shall return LOC_ROAMING_COUNTRY_MATCH	update location to Warsaw send VerifyLocatoIn with coord in Warsaw, Poland verify return LOC_ROAMING_COUNTRY_MATCH
VerifyLocation - request claiming to be overseas and actually there shall return LOC_ROAMING_COUNTRY_MATCH	update location to Allen, TX send VerifyLocatoIn with coord in Allen verify return LOC_ROAMING_COUNTRY_MISMATCH
VerifyLocation - request with coord barely > 100km and still within country shall return LOC_MISMATCH_SAME_COUNTRY	update location to Berlin send VerifyLocatoIn with coord barely over 100km away from Berlin Berlin at 52.52,13.4050 and verifyLocation at 53.42,13.4050. distance of 100.08 KM verify return LOC_MISMATCH_SAME_COUNTRY

VerifyLocation - request with coord > 100km and within same country shall return LOC_MISMATCH_SAME_COUNTRY	update location to Berlin send VerifyLocation with coord > 100km away. Berlin at 52.52,13.4050 and verifyLocation at 50.73438 7.09549(Bonn, Germany). verify return LOC_VERIFIED of 100KM
VerifyLocation - request with invalid low lat should return 'Invalid GpsLocation'	send VerifyLocation with latitude=-91 verify 'Invalid GpsLocation' is received
VerifyLocation - request with invalid high lat should return 'Invalid GpsLocation'	send VerifyLocation with latitude=91 verify 'Invalid GpsLocation' is received
VerifyLocation - request with invalid low long should return 'Invalid GpsLocation'	send VerifyLocation with longitude=-181 verify 'Invalid GpsLocation' is received
VerifyLocation - request with invalid high long should return 'Invalid GpsLocation'	send VerifyLocation with longitude=181 verify 'Invalid GpsLocation' is received
VerifyLocation - request without lat/long should return 'Missing GpsLocation'	send VerifyLocation with no latitude or longitude verify 'Missing GpsLocation' is received
VerifyLocation - request without carrier should succeed	send VerifyLocation with no carrier verify no error is received
VerifyLocation - request without token should return 'verifyloc token required'	send VerifyLocation with no token verify 'verifyloc token required' is received
VerifyLocation - request with latitude only should not succeed	send VerifyLocation with carrier name and latitude only verify error is received
VerifyLocation - request with longitude only should not succeed	send VerifyLocation with carrier name and longitude only verify error is received

Get Location

The following call flow and testcases will be tested for Get Location.

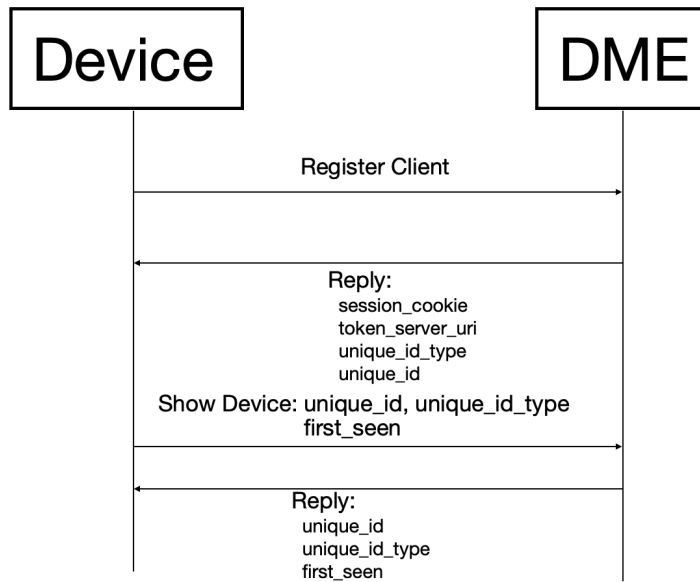


Get Location Testcases

Name	Description
GetLocation - request should return LOC_FOUND	send GetLocation verify return LOC_FOUND
GetLocation - request without cookie should return 'missing cookie'	Send GetLocation without a session cookie verify 'missing cookie' error is received
GetLocation - request with invalid cookie of x should return 'token contains an invalid number of segments'	Send GetLocation with session cookie of 'x' verify 'token contains an invalid number of segments' error is received
GetLocation - request with invalid cookie of x.x.x should return 'illegal base64 data at input byte 1' with invalid cookie	Send GetLocation with session cookie of 'x.x.x' verify 'illegal base64 data at input byte 1' error is received
GetLocation - request with truncated cookie should return 'VerifyCookie failed: Invalid cookie, no key'	Send GetLocation with parital session cookie verify 'VerifyCookie failed: Invalid cookie, no key' error is received
GetLocation - request with expired cookie should return 'token is expired by'	Send GetLocation with expired session cookie verify 'token is expired by' error is received

Show Device

The following call flow and testcases will be tested for Show Device.



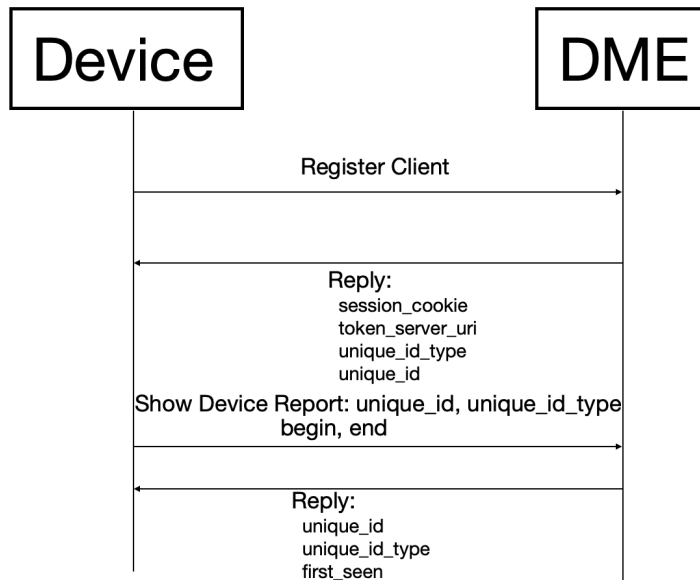
Show Device Testcases

Name	Description
showDevice - request with id and type shall return device information	registerClient with samsung app with unique_id and type verify showDevice returns all information supported key.uniqueidtype key.uniqueid firstseen.seconds firstseen.nanos lastseen.seconds lastseen.nanos and notify_id

showDevice - request with first_seen and seconds shall return device information	showDevice displays requested firstseen data verify returns time of first_seen seconds requested key.uniqueidtype key.uniqueid firstseen.seconds firstseen.nanos lastseen.seconds lastseen.nanos and notify_id
showDevice - request without first_seen_seconds shall return device information	showDevice displays firstseen data without requesting verify showDevice returns first_seen device information firstseen.seconds firstseen.nanos
showDevice - request with first_seen_nanos shall return device information	showDevice check display of first_seen_nanos verify returns time of first_seen_nanos requested
showDevice - without first_seen_nanos shall return device information	showDevice check display of time_seen_nanos without specifying time verify time_seen_nanos is displayed without being requested
showDevice - with notify_id shall return device information	showDevice check display of notify_id verify notify_id is displayed as requested
showDevice - without notify_id shall return device information	showDevice check display of notify_id verify notify_id is displayed without being requested
showDevice - request with bad token	showDevice verify error for bad token verify no bearer token found
showDevice - request token error jwt	showDevice verify jwt error verify invalid or expired jwt

Show Device Report

The following call flow and testcases will be tested for Show Device Report.



Show Device Report Testcases

Name	Description
showDeviceReport - request unique_id with only begin_nanos shall return device information	showDeviceReport returns uuid information verify showDeviceReport returns uuid device information with only begin_nanos specified parameters
showDeviceReport - request unique_id unique_id_type begin_seconds and begin_nanos shall return specified device information	showDeviceReport returns uuid information using begin_seconds and begin_nanos verify showDeviceReport returns uuid device information with unique_id unique_id_type begin_seconds and begin_nanos
showDeviceReport - request unique_id and unique_id_type with begin_nanos shall return device information	showDeviceReport returns uuid using only with unique_id and unique_id_type with begin_nanos verify showDeviceReport returns uuid device information with unique_id and unique_id_type with begin_nanos

showDeviceReport - request with only begin_seconds and begin_nanos shall return device information	showDeviceReport returns uuid device information only using begin_seconds and begin_nanos verify showDeviceReport returns uuid device information only using begin_seconds and begin_nanos
showDeviceReport - request uuid with only begin_nano shall return device information	showDeviceReport returns uuid device information using only begin_nanos verify uuid information is returned using only begin_nanos
showDeviceReport - request uuid with only begin_seconds shall returns device information	showDeviceReport returns uuid device information with begin_seconds verify returned uuid returns device information
showDeviceReport - request with only end_seconds and end_nanos shall return device information	showDeviceReport returns uuid device information with begin_seconds and begin_nanos verify returned uuid returns device information with begin_seconds and begin_nanos
showDeviceReport - request with added time to end_seconds shall return device data	showDeviceReport returns uuid device information with unique_id end_seconds and end_nanos verify returned uuid returns device information with unique_id end_seconds and end _nanos
showDeviceReport - request with added time to end_nanos shall return device data	showDeviceReport returns uuid device information with end_seconds and end_nanos verify returned uuid returns device information with end_seconds and end _nanos
showDeviceReport - request with unique_id_type with end_seconds and end_nanos shall return device information	showDeviceReport display uuid using a specified unique_id_type end_seconds and end_nanos verify returned uuid returns device information using a specified unique_id_type end_seconds and end_nanos
showDeviceReport - request with unique_id unique_id_type begin_seconds and begin_nanos shall return specified device information	showDeviceReport display uuid using a specified unique_id unique_id_type end_seconds and end_nanos verify returned uuid returns device information using a specified unique_id unique_id_type end_seconds and end_nanos
showDeviceReport - request with bad token	showDevice verify error for bad token verify no bearer token found
showDeviceReport - request token error jwt	showDevice verify jwt error verify invalid or expired jwt

