

Links to Other API pages: [Cisco Unity Connection APIs](#)

CUPI Guide Contents
API Overview
Index of All CUPI Documentation

Contents

- [1 Voice Network Map API](#)
 - ◆ [1.1 Listing of Voice Network Map Locations](#)
 - ◆ [1.2 Viewing of Voice Network Map Location](#)
 - ◆ [1.3 Explanation of Data Fields](#)

Voice Network Map API

Administrator can use this API to fetch details of all the Unity Connection locations connected in HTTP(S) network. This API helps in creating the topology of HTTP(S) network, where the neighbor location information can be used to retrieve the directly connected Unity Connection location(s) associated with a particular location..

Listing of Voice Network Map Locations

The following is an example of the GET request that lists the details of location(s) joined in HTTP(S) network.

```
GET: https://<connectionserver>/vmrest/vnmaplocationhttps
```

The following is an example of the response from the above *GET* request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<VnmapLocationHttps total="3">
  <VnmapLocationHttps>
    <URI>/vmrest/vnmaplocationhttps/1dc58282-0f24-4a60-b285-fec9c938e306</URI>
    <ObjectId>1dc58282-0f24-4a60-b285-fec9c938e306</ObjectId>
    <DisplayName> qa-ks-vm-482 </DisplayName>
    <HostAddress>10.78.171.140</HostAddress>
    <DestinationType>1</DestinationType>
    <LocationObjectId>1dc58282-0f24-4a60-b285-fec9c938e306</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-b285-
fec9c938e306</LocationURI>
    <MaxUsn>1488</MaxUsn>
    <LastUsn>1488</LastUsn>
    <ReplicationSetId>02fd1f6e-edcd-4023-9ddb-60b95bc4d3e9</ReplicationSetId>
    <Status>0</Status>
    <VoiceNameSyncStatus>0</VoiceNameSyncStatus>
    <TimeOfLastSync>2013-06-24T12:45:23Z</TimeOfLastSync>
    <NeighbourLocationObjectId>a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231</NeighbourLocationObjectId>
    <NeighbourLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</NeighbourLocationURI>
    <MediatorLocationObjectId>a5265a5e-1bc0-4ff4-82ef-
```

Cisco Unity Connection Provisioning Interface (CUPI)_API_--_Voice_Network_Map

```
d82a1dc7f231</MediatorLocationObjectId>
  <MediatorLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</MediatorLocationURI>
  <RetryQueueSizeCount>0</RetryQueueSizeCount>
  <IsPrimary>>false</IsPrimary>
  <IsVpimBridgehead>>false</IsVpimBridgehead>
  <DirectorySynchronizationRole>0</DirectorySynchronizationRole>
</VnmapLocationHttps>
<VnmapLocationHttps>
  <URI>/vmrest/vnmaplocationhttpses/a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231</URI>
  <ObjectId>a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231</ObjectId>
  <DisplayName> qa-ks-vm-483</DisplayName>
  <HostAddress>10.78.171.70</HostAddress>
  <DestinationType>1</DestinationType>
  <MaxUsn>0</MaxUsn>
  <LastUsn>0</LastUsn>
  <Status>0</Status>
  <VoiceNameSyncStatus>0</VoiceNameSyncStatus>
  <NeighbourLocationObjectId>a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231</NeighbourLocationObjectId>
  <NeighbourLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</NeighbourLocationURI>
  <MediatorLocationObjectId>a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</MediatorLocationObjectId>
  <MediatorLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</MediatorLocationURI>
  <RetryQueueSizeCount>0</RetryQueueSizeCount>
  <IsPrimary>>true</IsPrimary>
  <IsVpimBridgehead>>false</IsVpimBridgehead>
  <DirectorySynchronizationRole>0</DirectorySynchronizationRole>
</VnmapLocationHttps>
<VnmapLocationHttps>
  <URI>/vmrest/vnmaplocationhttpses/5e17e059-38c9-4801-ab9e-39008cd46c4e</URI>
  <ObjectId>5e17e059-38c9-4801-ab9e-39008cd46c4e</ObjectId>
  <DisplayName> qa-ks-vm-493 </DisplayName>
  <HostAddress>10.76.214.63</HostAddress>
  <DestinationType>1</DestinationType>
  <MaxUsn>14421</MaxUsn>
  <LastUsn>14421</LastUsn>
  <ReplicationSetId>34fd1f6e-63cd-4023-9ddb-60b95bc4d3e9</ReplicationSetId>
  <Status>0</Status>
  <VoiceNameSyncStatus>0</VoiceNameSyncStatus>
  <TimeOfLastSync>2013-06-24T12:47:23Z</TimeOfLastSync>
  <NeighbourLocationObjectId>1dc58282-0f24-4a60-b285-
fec9c938e306</NeighbourLocationObjectId>
  <NeighbourLocationURI>/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-b285-
fec9c938e306</NeighbourLocationURI>
  <MediatorLocationObjectId>1dc58282-0f24-4a60-b285-fec9c938e306</MediatorLocationObjectId>
  <MediatorLocationURI>/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-
b285-fec9c938e306</MediatorLocationURI>
  <RetryQueueSizeCount>0</RetryQueueSizeCount>
  <IsPrimary>>false</IsPrimary>
  <IsVpimBridgehead>>false</IsVpimBridgehead>
  <DirectorySynchronizationRole>0</DirectorySynchronizationRole>
</VnmapLocationHttps>
</VnmapLocationHttpses>
```

Response Code: 200

JSON Example to GET list the details of locations joined in HTTP(S) network:

GET: https://<connectionserver>/vmrest/vnmaplocationhttpses

Accept: application/json

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Voice_Network_Map

Content-type: application/json

Connection: keep-alive

The following is the response from the above *GET* request:

```
(
{
  "@total": "3",
  "VnmapLocationHttps": [
    {
      "URI": "/vmrest/vnmaplocationhttpses/1dc58282-0f24-4a60-b285-fec9c938e306",
      "ObjectId": "1dc58282-0f24-4a60-b285-fec9c938e306",
      "DisplayName": " qa-ks-vm-482",
      "HostAddress": "10.78.171.140",
      "DestinationType": "1",
      "LocationObjectId": "1dc58282-0f24-4a60-b285-fec9c938e306",
      "LocationURI": "/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-b285-
fec9c938e306",
      "MaxUsn": "1488",
      "LastUsn": "1488",
      "ReplicationSetId": "02fd1f6e-edcd-4023-9ddb-60b95bc4d3e9",
      "Status": "0",
      "VoiceNameSyncStatus": "0",
      "TimeOfLastSync": "2013-06-24T12:46:14Z",
      "NeighbourLocationObjectId": "a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "NeighbourLocationURI": "/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
      "MediatorLocationObjectId": "a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "MediatorLocationURI": "/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
      "RetryQueueSizeCount": "0",
      "IsPrimary": "false",
      "IsVpimBridgehead": "false",
      "DirectorySynchronizationRole": "0"
    },
    {
      "URI": "/vmrest/vnmaplocationhttpses/a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "ObjectId": "a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "DisplayName": " qa-ks-vm-483",
      "HostAddress": "10.78.171.70",
      "DestinationType": "1",
      "MaxUsn": "0",
      "LastUsn": "0",
      "Status": "0",
      "VoiceNameSyncStatus": "0",
      "NeighbourLocationObjectId": "a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "NeighbourLocationURI": "/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
      "MediatorLocationObjectId": "a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
      "MediatorLocationURI": "/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
      "RetryQueueSizeCount": "0",
      "IsPrimary": "true",
      "IsVpimBridgehead": "false",
      "DirectorySynchronizationRole": "0"
    },
    {
      "URI": "/vmrest/vnmaplocationhttpses/5e17e059-38c9-4801-ab9e-39008cd46c4e",
      "ObjectId": "5e17e059-38c9-4801-ab9e-39008cd46c4e",
      "DisplayName": " qa-ks-vm-493",
      "HostAddress": "10.76.214.63",
      "DestinationType": "1",
      "MaxUsn": "0",
      "LastUsn": "0",
      "?ReplicationSetId?:?34fd1f6e-63cd-4023-9ddb-60b95bc4d3e9?"
    }
  ],
}
```

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Voice_Network_Map

```
"Status": "0",
"VoiceNameSyncStatus": "0",
?TimeOfLastSync?: ?2013-06-24T12:47:23Z?
"NeighbourLocationObjectId": "1dc58282-0f24-4a60-b285-fec9c938e306",
"NeighbourLocationURI": "/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-
b285-fec9c938e306",
"MediatorLocationObjectId": "1dc58282-0f24-4a60-b285-fec9c938e306",
"MediatorLocationURI": "/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-
b285-fec9c938e306",
"RetryQueueSizeCount": "0",
"IsPrimary": "true",
"IsVpimBridgehead": "false",
"DirectorySynchronizationRole": "0"
}
]
}
}
```

Response Code: 200

Viewing of Voice Network Map Location

The following is an example of the GET request that fetches the details of a particular location joined in HTTP(S) network.

GET: https://<connectionserver>/vmrest/vnmaplocationhttpses/1dc58282-0f24-4a60-b285-fec9c938e306

The following is an example of the response from the above *GET* request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<VnmapLocationHttps>
  <URI>/vmrest/vnmaplocationhttpses/1dc58282-0f24-4a60-b285-fec9c938e306</URI>
  <ObjectId>1dc58282-0f24-4a60-b285-fec9c938e306</ObjectId>
  <DisplayName> qa-ks-vm-482 </DisplayName>
  <HostAddress>10.78.171.140</HostAddress>
  <DestinationType>1</DestinationType>
  <LocationObjectId>1dc58282-0f24-4a60-b285-fec9c938e306</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-b285-
fec9c938e306</LocationURI>
  <MaxUsn>1488</MaxUsn>
  <LastUsn>1488</LastUsn>
  <ReplicationSetId>02fd1f6e-edcd-4023-9ddb-60b95bc4d3e9</ReplicationSetId>
  <Status>0</Status>
  <VoiceNameSyncStatus>0</VoiceNameSyncStatus>
  <TimeOfLastSync>2013-06-24T12:45:23Z</TimeOfLastSync>
  <NeighbourLocationObjectId>a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231</NeighbourLocationObjectId>
  <NeighbourLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</NeighbourLocationURI>
  <MediatorLocationObjectId>a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</MediatorLocationObjectId>
  <MediatorLocationURI>/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-82ef-
d82a1dc7f231</MediatorLocationURI>
  <RetryQueueSizeCount>0</RetryQueueSizeCount>
  <IsPrimary>>false</IsPrimary>
  <IsVpimBridgehead>>false</IsVpimBridgehead>
  <DirectorySynchronizationRole>0</DirectorySynchronizationRole>
</VnmapLocationHttps>
```

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Voice_Network_Map

Response Code: 200

JSON Example to GET the details of particular Voice network map location of HTTP(S) network:

GET: https://<connectionserver>/vmrest/vnmaplocationhttpses/1dc58282-0f24-4a60-b285-fec9c938e306

Accept: application/json
Content-type: application/json
Connection: keep-alive

The following is the response from the above *GET* request:

```
<pre>
({
  "URI":"/vmrest/vnmaplocationhttpses/1dc58282-0f24-4a60-b285-fec9c938e306",
  "ObjectId":"1dc58282-0f24-4a60-b285-fec9c938e306",
  "DisplayName":" qa-ks-vm-482",
  "HostAddress":"10.78.171.140",
  "DestinationType":"1",
  "LocationObjectId":"1dc58282-0f24-4a60-b285-fec9c938e306",
  "LocationURI":"/vmrest/locations/connectionlocations/1dc58282-0f24-4a60-b285-
fec9c938e306",
  "MaxUsn":"1488",
  "LastUsn":"1488",
  "ReplicationSetId":"02fd1f6e-edcd-4023-9ddb-60b95bc4d3e9",
  "Status":"0",
  "VoiceNameSyncStatus":"0",
  "TimeOfLastSync":"2013-06-24T12:46:14Z",
  "NeighbourLocationObjectId":"a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
  "NeighbourLocationURI":"/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
  "MediatorLocationObjectId":"a5265a5e-1bc0-4ff4-82ef-d82a1dc7f231",
  "MediatorLocationURI":"/vmrest/locations/connectionlocations/a5265a5e-1bc0-4ff4-
82ef-d82a1dc7f231",
  "RetryQueueSizeCount":"0",
  "IsPrimary":"false",
  "IsVpimBridgehead":"false",
  "DirectorySynchronizationRole":"0"
})

```

Response Code: 200

Explanation of Data Fields

Parameter	Data Type	Operations	Description
URI	String	Read-Only	Voice Network Map URI
ObjectId	char(36)	Read-Only	Object ID of Voice Network Map Location
DisplayName	nvarchar(64)	Read-Only	Specifies the display name of the location.
HostAddress	varchar(40)	Read-Only	Specifies the IP address of the location
DestinationType	int	Read-Only	Specifies the destination type for the location, e.g. Connection, Unity, VPIM, Bridge.

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Voice_Network_Map

			<p>Values can be:</p> <ul style="list-style-type: none"> • 1 ? Connection • 2 ? Unity • 8 ? VPIM
LocationObjectId	char(36)	Read-Only	Specifies the Object id of the location.
LocationURI	String	Read-Only	Location URI
MaxUsn	bigint	Read-Only	Specifies the maximum USN received in feed response.
LastUsn	bigint	Read-Only	Specifies the last USN synced.
ReplicationSetId			Specifies the Replication Set of the location.
Status	smallint	Read-Only	<p>Indicates the status of the directory synchronization with the location.</p> <p>Values can be:</p> <ul style="list-style-type: none"> • 0-Idle • 1-synching
VoiceNameSyncStatus	smallint	Read-Only	<p>Indicates the status of voice name synchronization with the location.</p> <p>Values can be: 0- Idle 1- Synching</p>
TimeOfLastSync	datetime	Read-Only	Reflects the time at which the location was last synchronized.
NeighbourLocationObjectId	char(36)	Read-Only	<p>Specifies Object Id of neighbour location.</p> <p>Note: Neighbour location of location A on B is the farthest location which is directly connected to location A while traversing from location B till A.</p>
NeighbourLocationURI	String	Read-Only	Neighbour Location URI
MediatorLocationObjectId	char(36)	Read-Only	<p>Specified the object id of Mediator location.</p> <p>Note: Mediator location of a location A on B is the http(s) link(location) via which location A has been synchronized.</p>
MediatorLocationURI	String	Read-Only	Mediator Location URI
RetryQueueSizeCount	bigint	Read-Only	Specifies the count of errors encountered during synchronization of the location.
IsPrimary	Boolean	Read-Only	Specifies whether the location is primary location.

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Voice_Network_Map

			<p>Values can be:</p> <ul style="list-style-type: none"> • 0 ? true • 1 ? false
IsVpimBridgehead	Boolean	Read-Only	<p>Specifies whether the location is VPIM bridgehead.</p> <p>Values can be:</p> <ul style="list-style-type: none"> • 0 ? true • 1 ? false
DirectorySynchronizationRole	smallint	Read-Only	<p>Specifies the directory synchronization mode in the cluster.</p> <p>Values can be:</p> <ul style="list-style-type: none"> • 0-Standard • 1-Alert