



Cisco Unity Connection Provisioning Interface (CUPI) API for Distribution List

- [Cisco Unity Connection Provisioning Interface \(CUPI\) API -- Distribution List APIs, on page 1](#)
- [Cisco Unity Connection Provisioning Interface \(CUPI\) API -- Distribution List Members APIs, on page 15](#)

Cisco Unity Connection Provisioning Interface (CUPI) API -- Distribution List APIs

Distribution List APIs

Administrator can use this API to create/update/delete/fetch the distribution lists. You can update various attributes of distribution list using this API. Also members in a distribution list can be added/deleted/fetched using this API.

Listing the Distribution Lists

The following is an example of the GET request that fetch the list of distribution list:

```
GET https://<connection-server>/vmrest/distributionlists
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```

<DistributionLists total="3">
  <DistributionList>
    <URI>/vmrest/distributionlists/24865f76-fa95-412d-bc56-a48ef9e1531a</URI>
    <ObjectId>24865f76-fa95-412d-bc56-a48ef9e1531a</ObjectId>
    <Alias>undeliverablemessages</Alias>
    <DisplayName>Undeliverable Messages</DisplayName>
    <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationURI>
    <PartitionObjectId>d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionObjectId>
    <TenantObjectId>fe6541fb-b42c-44f2-8404-ded14cbf7438</TenantObjectId>
    <PartitionURI>/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/24865f76-fa95-412d-bc56-a48ef9e1531a/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%2024865f76-fa95-412d-bc56-a48ef9e1531a)</AlternateNamesURI>
  </DistributionList>
  <DistributionList>
    <URI>/vmrest/distributionlists/f3e492dc-822b-43fb-be2f-416b972fb642</URI>
    <ObjectId>f3e492dc-822b-43fb-be2f-416b972fb642</ObjectId>
    <Alias>allvoicemailusers</Alias>
    <DisplayName>All Voice Mail Users</DisplayName>
    <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationURI>
    <DtmfAccessId>99991</DtmfAccessId>
    <PartitionObjectId>d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/f3e492dc-822b-43fb-be2f-416b972fb642/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20f3e492dc-822b-43fb-be2f-416b972fb642)</AlternateNamesURI>
  </DistributionList>
  <DistributionList>
    <URI>/vmrest/distributionlists/c34b145e-b1f4-40de-9031-bc83703f0b1c</URI>
    <ObjectId>c34b145e-b1f4-40de-9031-bc83703f0b1c</ObjectId>
    <Alias>allvoicemailenabledcontacts</Alias>
    <DisplayName>All Voicemail-Enabled Contacts</DisplayName>
    <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationURI>
    <DtmfAccessId>99992</DtmfAccessId>
    <PartitionObjectId>d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/c34b145e-b1f4-40de-9031-bc83703f0b1c/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20c34b145e-b1f4-40de-9031-bc83703f0b1c)</AlternateNamesURI>
  </DistributionList>
</DistributionLists>

```

Response Code: 204

JSON Example

To get distribution lists, do the following:

```
Request URI:
GET https://<connection-server>/vmrest/distributionlists
Accept: application /json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
{
  "@total": "2"
  "DistributionList": [
    {
      "URI": "/vmrest/distributionlists/d9e61ace-3ece-4722-b331-ed57a73ef9eb"
      "ObjectId": "d9e61ace-3ece-4722-b331-ed57a73ef9eb"
      "Alias": "undeliverablemessages"
      "DisplayName": "Undeliverable Messages"
      "LocationObjectId": "830e1a2d-8e90-459f-88f7-700497ba975c"

      "LocationURI": "/vmrest/locations/connectionlocations/830e1a2d-8e90-459f-88f7-700497ba975c"

      "PartitionObjectId": "9c010254-1493-4e1a-9e47-fe2494792744"
      "TenantObjectId": "fe6541fb-b42c-44f2-8404-ded14cbf7438"
      "PartitionURI": "/vmrest/partitions/9c010254-1493-4e1a-9e47-fe2494792744"

      "DistributionListMembersURI": "/vmrest/distributionlists/d9e61ace-3ece-4722-b331-ed57a73ef9eb/distributionlistmembers"

      "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%20d9e61ace-3ece-4722-b331-ed57a73ef9eb)"
    }
    {
      "URI": "/vmrest/distributionlists/alfcfd8b-8749-465b-abe1-b578a8565107"
      "ObjectId": "alfcfd8b-8749-465b-abe1-b578a8565107"
      "Alias": "allvoicemailusers"
      "DisplayName": "All Voice Mail Users"
      "LocationObjectId": "830e1a2d-8e90-459f-88f7-700497ba975c"

      "LocationURI": "/vmrest/locations/connectionlocations/830e1a2d-8e90-459f-88f7-700497ba975c"

      "DtmfAccessId": "99991"
      "PartitionObjectId": "9c010254-1493-4e1a-9e47-fe2494792744"
      "PartitionURI": "/vmrest/partitions/9c010254-1493-4e1a-9e47-fe2494792744"

      "DistributionListMembersURI": "/vmrest/distributionlists/alfcfd8b-8749-465b-abe1-b578a8565107/distributionlistmembers"

      "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%20alfcfd8b-8749-465b-abe1-b578a8565107)"
    }
  ]
}
```

```
Response Code: 200
```

Listing Specific Tenant Related Distribution Lists by System Administrator

In Cisco Unity Connection 10.5(2) and later, the system administrator can use TenantObjectId to list the specific tenant related distribution lists using the following URI:

```
GET https://<connection-server>/vmrest/distributionlists?query=(TenantObjectId is
<Tenant-ObjectId>)
```

To get the TenantObjectId, use the following URI:

```
GET https://<connection-server>/vmrest/tenants
```

Viewing the Specific Distribution List

The following is an example of the GET request that lists the details of specific distribution list represented by the provided value of distribution list object ID:

```
GET https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
<DistributionList>
  <URI>/vmrest/distributionlists/c34b145e-b1f4-40de-9031-bc83703f0b1c</URI>
  <ObjectId>c34b145e-b1f4-40de-9031-bc83703f0b1c</ObjectId>
  <Alias>allvoicemailenabledcontacts</Alias>
  <CreationTime>2013-02-14T05:05:42Z</CreationTime>
  <DisplayName>All Voicemail-Enabled Contacts</DisplayName>
  <DtmfName>2558642362453622</DtmfName>
  <IsPublic>true</IsPublic>
  <Undeletable>true</Undeletable>
  <VoiceName>d5814a39-94df-4498-acfd-93728a607be7.wav</VoiceName>
  <VoiceFileURI>/vmrest/voicefiles/d5814a39-94df-4498-acfd-93728a607be7.wav</VoiceFileURI>

  <VoiceNameURI>/vmrest/distributionlists/c34b145e-b1f4-40de-9031-
bc83703f0b1c/voicename</VoiceNameURI>
  <LocationObjectId>bbf3e6ed-0278-479c-9a6e-2da8756eeb6f</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/bbf3e6ed-0278-479c-9a6e-
2da8756eeb6f</LocationURI>
  <DtmfAccessId>99992</DtmfAccessId>
  <AllowContacts>true</AllowContacts>
  <AllowForeignMessage>false</AllowForeignMessage>
  <PartitionObjectId>d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionObjectId>
  <PartitionURI>/vmrest/partitions/d50e9d0b-656e-416d-b5b7-43c4d2e2fd0b</PartitionURI>
  <DistributionListMembersURI>/vmrest/distributionlists/c34b145e-b1f4-40de-9031-
bc83703f0b1c/distributionlistmembers</DistributionListMembersURI>
  <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20c34b14
5e-b1f4-40de-9031-bc83703f0b1c)</AlternateNamesURI>
</DistributionList>
```

```
Response Code: 200
```

JSON Example

To get a distribution list for a particular partitions, do the following:

```
Request URI:
GET https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
{
  "URI": "/vmrest/distributionlists/d9e61ace-3ece-4722-b331-ed57a73ef9eb"
  "ObjectId": "d9e61ace-3ece-4722-b331-ed57a73ef9eb"
  "Alias": "undeliverablemessages"
  "CreationTime": "2013-02-21T11:39:08Z"
  "DisplayName": "Undeliverable Messages"
  "DtmfName": "8633548372253637"
  "IsPublic": "true"
  "Undeletable": "true"
  "VoiceName": "487e3db3-3782-4d30-a000-ef0d03ae22a2.wav"
  "VoiceFileURI": "/vmrest/voicefiles/487e3db3-3782-4d30-a000-ef0d03ae22a2.wav"
  "VoiceNameURI": "/vmrest/distributionlists/d9e61ace-3ece-4722-b331-ed57a73ef9eb/voicename"
  "LocationObjectId": "830e1a2d-8e90-459f-88f7-700497ba975c"
  "LocationURI": "/vmrest/locations/connectionlocations/830e1a2d-8e90-459f-88f7-700497ba975c"
  "AllowContacts": "false"
  "AllowForeignMessage": "false"
  "PartitionObjectId": "9c010254-1493-4e1a-9e47-fe2494792744"
  "PartitionURI": "/vmrest/partitions/9c010254-1493-4e1a-9e47-fe2494792744"
  "DistributionListMembersURI": "/vmrest/distributionlists/d9e61ace-3ece-4722-b331-ed57a73ef9eb/distributionlistmembers"
  "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%20d9e61ace-3ece-4722-b331-ed57a73ef9eb)"
}
```

Response Code: 200

Getting the Distribution List Based on an Query

The following is an example of the GET request that lists the details of specific distribution list represented by the provided value of partition object ID:

```
GET https://<connection-server>/vmrest/distributionlists?query=(PartitionObjectId%20is%20<objectId of the partition>)
```

Where the partition object Id can be fetched using the following request

```
GET https://<connection-server>/vmrest/partitions
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```

<DistributionLists total="3">
  <DistributionList>
    <URI>/vmrest/distributionlists/2fe64511-1b69-4d97-b27b-ef383af4b194</URI>
    <ObjectId>2fe64511-1b69-4d97-b27b-ef383af4b194</ObjectId>
    <Alias>undeliverablemessages</Alias>
    <DisplayName>Undeliverable Messages</DisplayName>
    <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationURI>
    <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/2fe64511-1b69-4d97-b27b-ef383af4b194/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%202fe64511-1b69-4d97-b27b-ef383af4b194)</AlternateNamesURI>
  </DistributionList>
  <DistributionList>
    <URI>/vmrest/distributionlists/d37dfc67-04c2-48d3-9a7a-f2b316a09840</URI>
    <ObjectId>d37dfc67-04c2-48d3-9a7a-f2b316a09840</ObjectId>
    <Alias>allvoicemailusers</Alias>
    <DisplayName>All Voice Mail Users</DisplayName>
    <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationURI>
    <DtmfAccessId>99991</DtmfAccessId>
    <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/d37dfc67-04c2-48d3-9a7a-f2b316a09840/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20d37dfc67-04c2-48d3-9a7a-f2b316a09840)</AlternateNamesURI>
  </DistributionList>
  <DistributionList>
    <URI>/vmrest/distributionlists/160da8fe-2171-4bf7-9009-e95db94f823e</URI>
    <ObjectId>160da8fe-2171-4bf7-9009-e95db94f823e</ObjectId>
    <Alias>allvoicemailenabledcontacts</Alias>
    <DisplayName>All Voicemail-Enabled Contacts</DisplayName>
    <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationURI>
    <DtmfAccessId>99992</DtmfAccessId>
    <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
    <DistributionListMembersURI>/vmrest/distributionlists/160da8fe-2171-4bf7-9009-e95db94f823e/distributionlistmembers</DistributionListMembersURI>
    <AlternateNamesURI>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20160da8fe-2171-4bf7-9009-e95db94f823e)</AlternateNamesURI>
  </DistributionList>
</DistributionLists>

```

Response Code: 200

JSON Example

To get a particular distribution list, do the following:

```
Request URI:
GET
https://<connection-server>/vmrest/distributionlists?query=(PartitionObjectId%20is%20<objectId
of the partition>)
Accept: application/json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
{
  "@total": "3"
  "DistributionList": [
    {
      "URI": "/vmrest/distributionlists/2fe64511-1b69-4d97-b27b-ef383af4b194"
      "ObjectId": "2fe64511-1b69-4d97-b27b-ef383af4b194"
      "Alias": "undeliverablemessages"
      "DisplayName": "Undeliverable Messages"
      "LocationObjectId": "42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "LocationURI": "/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "PartitionObjectId": "da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "PartitionURI": "/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "DistributionListMembersURI": "/vmrest/distributionlists/2fe64511-1b69-4d97-b27b-ef383af4b194/distributionlistmembers"
      "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%202fe64511-1b69-4d97-b27b-ef383af4b194)"
    }
    {
      "URI": "/vmrest/distributionlists/d37dfc67-04c2-48d3-9a7a-f2b316a09840"
      "ObjectId": "d37dfc67-04c2-48d3-9a7a-f2b316a09840"
      "Alias": "allvoicemailusers"
      "DisplayName": "All Voice Mail Users"
      "LocationObjectId": "42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "LocationURI": "/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "DtmfAccessId": "99991"
      "PartitionObjectId": "da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "PartitionURI": "/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "DistributionListMembersURI": "/vmrest/distributionlists/d37dfc67-04c2-48d3-9a7a-f2b316a09840/distributionlistmembers"
      "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%20d37dfc67-04c2-48d3-9a7a-f2b316a09840)"
    }
    {
      "URI": "/vmrest/distributionlists/160da8fe-2171-4bf7-9009-e95db94f823e"
      "ObjectId": "160da8fe-2171-4bf7-9009-e95db94f823e"
      "Alias": "allvoicemailenabledcontacts"
      "DisplayName": "All Voicemail-Enabled Contacts"
      "LocationObjectId": "42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "LocationURI": "/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff"
      "DtmfAccessId": "99992"
      "PartitionObjectId": "da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "PartitionURI": "/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b"
      "DistributionListMembersURI": "/vmrest/distributionlists/160da8fe-2171-4bf7-9009-e95db94f823e/distributionlistmembers"
      "AlternateNamesURI": "/vmrest/alternatenames?query=(DistributionListObjectId%20is%20160da8fe-2171-4bf7-9009-e95db94f823e)"
    }
  ]
}
```

```
Response Code: 200
```

Creating a Distribution List

The following is an example of the POST request that creates a new distribution list where the mandatory field is alias:

```
POST https://<connection-server>/vmrest/distributionlists
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Request Body:
<DistributionList>
  <Alias>Texoma_allvoicemailusersDL_1 </Alias>
  <DisplayName>Texoma_allvoicemailusersDL_1</DisplayName>
</DistributionList>
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/distributionlists/3049a03c-108d-40aa-a989-0b008f07656c
```

JSON Example

To create distribution list, do the following:

```
Request URI:
POST https://<connection-server>/vmrest/distributionlists
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "Alias": "Texoma1"
  "DisplayName": "Texoma 1"
}
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/distributionlists/dd043e9a-3f34-47eb-a72a-1b4b41e5f9d7
```

Delete the Distribution List

This request can be used to delete a distribution list.

```
DELETE: https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
```

The following is the response from the above *DELETE* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example

To delete a distribution list, do the following:

```
DELETE https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Connection: keep-alive
```

The following is the response from the above *DELETE* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Updating the Distribution List

The following is an example of the PUT request that can be used to update the distribution list by replicating remote sites over inter-site links, adding contacts in distribution list, and accepting messages from foreign systems.

```
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
```

Example 1: Replicate to remote sites over inter-site links is enabled, disable add contacts in distribution list, and disallow messages from users on remote voice messaging systems that are configured as VPIM locations.

```
Request Body:
<DistributionList>
  <AllowContacts>false</AllowContacts>
  <AllowForeignMessage>false</AllowForeignMessage>
</DistributionList>
```

```
Response Code: 204
```

JSON Example:

```
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "AllowContacts": "false",
  "AllowForeignMessage": "false"
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Example 2: Replicate to remote sites over inter-site links is disabled, enable add contacts in distribution list, and disallow messages from users on remote voice messaging systems that are configured as VPIM locations.

```
Request Body:
<DistributionList>
  <AllowContacts>true</AllowContacts>
  <AllowForeignMessage>false</AllowForeignMessage>
</DistributionList>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example:

```
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "AllowContacts":"false",
  "AllowForeignMessage":"false"
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Example 3: Replicate to remote sites over inter-site links is enabled, enable add contacts in distribution list, and accept messages from users on remote voice messaging systems that are configured as VPIM locations.

```
Request Body:
<DistributionList>
  <AllowContacts>false</AllowContacts>
  <AllowForeignMessage>true</AllowForeignMessage>
</DistributionList>
The following is the response from the above *PUT* request and the actual response will
depend upon the information given by you:
Response Code: 204
JSON Example:
Request URI:
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "AllowContacts":"false",
  "AllowForeignMessage":"true"
}
The following is the response from the above *PUT* request and the actual response will
depend upon the information given by you:
Response Code: 204
```

Updating the Distribution List for Tenant

The following is an example of the PUT request that can be used to update the distribution list for Tenants.

```
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Request Body:
<DistributionList>
    <TenantObjectId>fe6541fb-b42c-44f2-8404-ded14cbf7438</TenantObjectId>
</DistributionList>
```

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

```
Response Code: 204
```

JSON Example :

```
PUT https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "TenantObjectId": "fe6541fb-b42c-44f2-8404-ded14cbf7438"
}
```

Updating the Alternate Names of Distribution Lists

The mandatory fields for creation of an alternate name are FirstName and DistributionListObjectId. The URI to get DistributionListObjectId: https://<connection server>/vmrest/distributionlists.

Example 1: Adding an alternate name for a distribution list

```
POST
https://<connection-server>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20ef4aa84e-97c3-456e-848e-b162a04c9631)

Request Body:
<AlternateName>
    <FirstName>Taxoma_list1</FirstName>
    <DistributionListObjectId>ef4aa84e-97c3-456e-848e-b162a04c9631</DistributionListObjectId>
</AlternateName>
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/alternatenames/e091a0f6-031e-440d-abd2-783e5f62511b
```

JSON Example:

```
Request URI:
POST https://<connection-server>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20ef4aa84e-97c3-456e-848e-b162a04c9631)
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "FirstName": "Taxoma_list1",
  "DistributionListObjectId": "ef4aa84e-97c3-456e-848e-b162a04c9631"
}
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Response Code: 201
/vmrest/alternatenames/e091a0f6-031e-440d-abd2-783e5f62511b
```

Example 2: Listing the alternate names of a distribution list

```
GET https://<connection-server>/vmrest/
alternatenames?query=(DistributionListObjectId%20is%20ef4aa84e-97c3-456e-848e-b162a04c9631)
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
<AlternateNames total="2">
  <AlternateName>
    <URI>/vmrest/alternatenames/865615e9-1c00-4121-acf4-36ee00adb09c</URI>
    <FirstName>Texoma_Alternane Name 1</FirstName>
    <ObjectId>865615e9-1c00-4121-acf4-36ee00adb09c</ObjectId>
    <DistributionListObjectId>e703511f-fa9b-41f2-8662-
23de75fffc96</DistributionListObjectId>
    <DistributionListURI>/vmrest/distributionlists/e703511f-fa9b-41f2-8662-
23de75fffc96</DistributionListURI>
  </AlternateName>
  <AlternateName>
    <URI>/vmrest/alternatenames/af735ef8-b3f3-4c97-a8ec-667e416cfde2</URI>
    <FirstName>Texoma_Alternate Name 2</FirstName>
    <ObjectId>af735ef8-b3f3-4c97-a8ec-667e416cfde2</ObjectId>
    <DistributionListObjectId>e703511f-fa9b-41f2-8662-
23de75fffc96</DistributionListObjectId>
    <DistributionListURI>/vmrest/distributionlists/e703511f-fa9b-41f2-8662-
23de75fffc96</DistributionListURI>
  </AlternateName>
</AlternateNames>
```

```
Response Code: 200
```

JSON Example:

```
GET
https://<connection-server>/vmrest/alternatenames?query=(DistributionListObjectId%20is%20c238c2bf-4037-494d-951b-090468c95dc4)
Accept: application/json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
{
  "@total": "1", "AlternateName":
  {
    "URI": "/vmrest/alternatenames/e091a0f6-031e-440d-abd2-783e5f62511b",
    "FirstName": "Taxoma_list1",
    "ObjectId": "e091a0f6-031e-440d-abd2-783e5f62511b",
    "DistributionListObjectId": "c238c2bf-4037-494d-951b-090468c95dc4",
    "DistributionListURI": "/vmrest/distributionlists/c238c2bf-4037-494d-951b-
090468c95dc4"
  }
}
```

```
Response Code: 200
```

Example 3: Deleting an alternate name

```
DELETE https://<connection-server>/vmrest /alternatenames/<AlternateNameObjectId>
```

The following is the response from the above *DELETE* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example:

```
DELETE https://<connection-server>/vmrest/alternatenames/<AlternateNameObjectId>
Accept: application/json
Connection: keep-alive
```

The following is the response from the above *DELETE* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Example 4: Editing an Alternate Name

Note that only first name is editable.

```
PUT https://<connection-server>/vmrest/alternatenames/<AlternateNameObjectId>
Request Body:
<AlternateName>
  <FirstName>Texoma_Alternane Name1</FirstName>
</AlternateName>
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

JSON Example:

```
PUT https://<connection-server>/vmrest/alternatenames/<AlternateNameObjectId>
Accept: application/json
Connection: keep-alive
Request Body:
{
  "FirstName": "Texoma1"
}
```

The following is the response from the above *PUT* request and the actual response will depend upon the information given by you:

```
Response Code: 204
```

Explanation of the Data Fields for Distribution List

Parameter	Operation	Data Type	Comments
Alias	Read/Write	String(64)	Unique name for a distribution List

Parameter	Operation	Data Type	Comments
AllowContacts	Read/Write	Boolean	<p>A flag indicating whether contacts (system, VPIM, virtual) are allowed to be members of this Distribution List. Purpose of this flag is to enable administrators to create a Distribution List whose members are Contacts.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • true: allow contacts (system, VPIM, virtual) are allowed to be members of this Distribution List • false: Do not allow contacts (system, VPIM, virtual) are allowed to be members of this Distribution List <p>Default: false</p>
AllowForeignMessage	Read/Write	Boolean	<p>Allow users on remote voice messaging systems that are configured as VPIM locations to send messages to this distribution list. Only valid if the list is for subscribers only (i.e. does not allow contacts)</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • true: allow remote voice messaging • false: Do not allow remote voice messaging. <p>Default: False</p>
CreationTime	Read Only	Datetime	The date and time the system distribution list was created in UTC
DisplayName	Read/Write	String(64)	The unique text name of the system distribution.
DtmfAccessId	Read/Write	String(40)	Extension that the phone system uses to connect to the distribution list. It is an optional field.
DtmfName	Read Only	String(64)	The series of digits corresponding to the numeric keypad mapping on a standard touchtone phone representing the display name of the system distribution list. These digits are used for searching the distribution list by name via the phone.
LocationObjectId	Read Only	String(16)	The unique identifier of the LocationVMS object to which this system distribution list belongs.
ObjectId	Read Only	String(36)	Object Id of the distribution list created.
PartitionObjectId	Read Only	String(36)	The unique identifier of the Partition to which the DistributionList is assigned.
TenantObjectId	Read/Write	String(36)	The unique identifier of the tenant to which the distribution list belongs. This field is reflected in the response only if the distribution list belongs to a particular tenant.
VoiceName	Read/Write	String(40)	The voicename of the distribution List
URI	Read Only	String	URI of the Distribution list

Parameter	Operation	Data Type	Comments
VoiceFileURI	Read Only	String	URI of Voice File
VoiceNameURI	Read Only	String	Voice Name URI
LocationURI	Read Only	String	Location URI
PartitionURI	Read Only	String	Partition URI
PartitionURI	Read Only	String	Distribution List URI
AlternateNamesURI	Read Only	String	Alternate Names URI

Explanation of the Data Fields for Alternate Names of Distribution List

Parameter	Operation	Data Type	Comments
First Name	Read/Write	String (64)	Specifies the alternate name of a distribution list.
ObjectId	Read Only	String (36)	Specifies the objectid of the alternate name.
DistributionListObjectId	Read Only	String (36)	Specifies the object ID of the distribution list.
URI	Read Only	String	Specifies the URI of the alternate name.
DistributionListURI	Read Only	String	Specifies the URI of distribution list.

Cisco Unity Connection Provisioning Interface (CUPI) API -- Distribution List Members APIs

Distribution List Members APIs

Administrator can use this API to create/update/delete/fetch the distribution list members. You can update various attributes of distribution list members using this API.

Listing the Distribution List Members

```
Request URI:
GET https://<connection-
server>/vmrest/distributionlists/<distributionlistObjectId>/distributionlistmember
```

The following is an example of the GET request that fetch the list of distribution list members:

```
GET https://<connection server>/vmrest/distributionlists/ef4aa84e-97c3-456e-848e-
b162a04c9631/distributionlistmembers
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:

```
<DistributionListMembers total="1">
  <DistributionListMember>
    <URI>/vmrest/distributionlists/ef4aa84e-97c3-456e-848e-
b162a04c9631/distributionlistmembers/f6712058-3409-49eb-a616-517614766594</URI>
    <DistributionListObjectId>ef4aa84e-97c3-456e-848e-
b162a04c9631</DistributionListObjectId>
    <DistributionListURI>/vmrest/distributionlists/ef4aa84e-97c3-456e-848e-
b162a04c9631</DistributionListURI>
    <MemberUserObjectId>34cc862e-19e4-4689-a4ee-
ee98d83b8319</MemberUserObjectId>
    <MemberUserURI>/vmrest/users/34cc862e-19e4-4689-a4ee-
ee98d83b8319</MemberUserURI>
    <ObjectId>f6712058-3409-49eb-a616-517614766594</ObjectId>
    <Alias>Texoma_UserTemplate_1</Alias>
    <DisplayName>Texoma_UserTemplate_1</DisplayName>
    <AllowForeignMessage>>false</AllowForeignMessage>
    <MemberGlobalUserObjectId>34cc862e-19e4-4689-a4ee-
ee98d83b8319</MemberGlobalUserObjectId>
    <MemberGlobalUserURI>/vmrest/globalusers/34cc862e-19e4-4689-a4ee-
ee98d83b8319</MemberGlobalUserURI>
    <MemberLocationObjectId>0ebale8b-7e39-47a3-865f-ee6a34113f67</MemberLocationObjectId>
</MemberLocationURI>/vmrest/locations/connectionlocations/0ebale8b-7e39-47a3-865f-ee6a34113f67</MemberLocationURI>

    <MemberGlobalUserDignetObjectId>34cc862e-19e4-4689-a4ee-
ee98d83b8319</MemberGlobalUserDignetObjectId>
    <IsUserTemplate>>true</IsUserTemplate>
    <LocationObjectId>0ebale8b-7e39-47a3-865f-ee6a34113f67</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/0ebale8b-7e39-47a3-865f-
ee6a34113f67</LocationURI>
  </DistributionListMember>
</DistributionListMembers>
```

```
Response Code: 200
```

JSON Example

To get distribution list members:

```
GET
https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>/distributionlistmembers
Accept: application /json
Connection: keep-alive
```

The following is the response from the above *GET* request and the actual response will depend upon the information given by you:


```

{
  "@total": "1"
  "DistributionListMember":
  {
    "URI": "/vmrest/distributionlists/dd043e9a-3f34-47eb-a72a-1b4b41e5f9d7/distributionlistmembers/dadd5c1c-1666-486a-94fa-bc681d99bfdb"
    "DistributionListObjectId": "dd043e9a-3f34-47eb-a72a-1b4b41e5f9d7"
    "DistributionListURI": "/vmrest/distributionlists/dd043e9a-3f34-47eb-a72a-1b4b41e5f9d7"
    "MemberUserObjectId": "216c1a3e-7c0e-4527-aa9c-32b2683f04be"
    "MemberUserURI": "/vmrest/users/216c1a3e-7c0e-4527-aa9c-32b2683f04be"
    "ObjectId": "dadd5c1c-1666-486a-94fa-bc681d99bfdb"
    "Alias": "kapill_operator_1"
    "DisplayName": "kapill_operator_1"
    "AllowForeignMessage": "false"
    "MemberGlobalUserObjectId": "216c1a3e-7c0e-4527-aa9c-32b2683f04be"
    "MemberGlobalUserURI": "/vmrest/globalusers/216c1a3e-7c0e-4527-aa9c-32b2683f04be"
    "MemberLocationObjectId": "830e1a2d-8e90-459f-88f7-700497ba975c"
    "MemberLocationURI": "/vmrest/locations/connectionlocations/830e1a2d-8e90-459f-88f7-700497ba975c"
    "MemberGlobalUserDignetObjectId": "216c1a3e-7c0e-4527-aa9c-32b2683f04be"
    "IsUserTemplate": "false"
    "LocationObjectId": "830e1a2d-8e90-459f-88f7-700497ba975c"
    "LocationURI": "/vmrest/locations/connectionlocations/830e1a2d-8e90-459f-88f7-700497ba975c"
  }
}

```

Response Code: 200

Creating a Distribution List Member

You can create a new distribution list member by adding a user or user template or can add another distribution list as a member.

Example 1: Adding a user or user template to a distribution list To get user or user template object ID, you can use the following URIs:

```

GET https://<connection-server>/vmrest/users
GET https://<connection-server>/vmrest/usertemplates

```

The following is an example of the POST request that creates a new distribution list member by adding a user or user template:

```

POST https://<connection-server>/vmrest/distributionlists/ef4aa84e-97c3-456e-848e-b162a04c9631/distributionlistmembers
Request Body:
<DistributionListMember>
  <MemberUserObjectId>6202095f-606b-40d8-889d-f32e2d822f54</MemberUserObjectId>
</DistributionListMember>

```

Response Code: 201

Example 2: Adding another distribution list as a member The following is an example of the POST request that creates a new distribution list member by adding another distribution list as a member:

Delete a Member from the Distribution List

```
POST https://<connection-server>/vmrest/
distributionlists/ef4aa84e-97c3-456e-848e-b162a04c9631/distributionlistmembers
Request Body:
<DistributionListMember>

<MemberDistributionListObjectId>e030d111-d29e-4d11-93fa-4abe73bd50a0</MemberDistributionListObjectId>
</DistributionListMember>
```

```
Response Code: 201
```

JSON Example:

To add a user or user template, do the following:

```
Request URI:
POST
https://<connection-server>/vmrest/distributionlists/<distributionlistObjectId>/distributionlistmembers
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "MemberUserObjectId": "216c1a3e-7c0e-4527-aa9c-32b2683f04be"
}
The following is the response from the above *POST* request and the actual response will
depend upon the information given by you:
Response Code: 201
To add another distribution list as a member:
POST
https://<connection-server>/vmrest/distributionlists/ef4aa84e-97c3-456e-848e-b162a04c9631/distributionlistmembers
Accept: application/json
Content-Type: application/json
Connection: keep-alive
Request Body:
{
  "MemberDistributionListObjectId": "e030d111-d29e-4d11-93fa-4abe73bd50a0"
}
```

The following is the response from the above *POST* request and the actual response will depend upon the information given by you:

```
Response Code: 201
```

Delete a Member from the Distribution List

The following request can be used to delete a member from the distribution list:

```
DELETE:
https://<connection-server>/vmrest/distributionlists/<DistributionListObjectId>/distributionlistmembers/<distributionlistmemberObjectId>
```

```
Response Code: 204
```

JSON Example:

```
DELETE
https://<connection-server>/vmrest/distributionlists/<DistributionListObjectId>/distributionlistmembers/<distributionlistmemberObjectId>
Accept: application/json
Connection: keep-alive
```

Response Code: 204

Explanation of the Data Fields for Distribution List Member

Parameter	Operations	Data Type	Comments
URI	Read Only	String	Specifies the URI of the distribution list member.
ObjectId	Read Only	String (36)	Specifies the Object Id of the distribution list member.
DistributionListObjectId	Read Only	String (36)	Specifies the distribution list object ID.
DistributionListURI	Read Only	String	Specifies the URI of the distribution list.
MemberUserObjectId	Read Only	String (36)	Specifies the object ID of user or user template.
MemberGlobalUserObjectId	Read Only	String (36)	Specifies the object ID of the user or user template.
MemberDistributionListObjectId	Read Only	String (36)	Specifies the object ID of the member's distribution list.
MemberGlobalUserDigestObjectId	Read Only	String (36)	Specifies the object ID of the user.
MemberLocationObjectId	Read Only	String (36)	Specifies the object ID of the member location.
Alias	Read/Write	String (64)	Specifies the unique name to identify a distribution list.
AllowForeignMessage	Read Only	Boolean	<p>Allow users on remote voice messaging systems that are configured as VPIM locations to send messages to this distribution list.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • true: allow remote voice messaging • false: Do not allow remote voice messaging. <p>Default: false</p>
DisplayName	Read/Write	String (64)	Specifies name of the member.
IsUserTemplate	Read Only	Boolean	Specifies if a member is a user template.
MemberLocationURI	Read Only	String	Specifies URI of the location.
MemberGlobalUserURI	Read Only	String	Specifies URI of the user.

Explanation of the Data Fields for Distribution List Member

Parameter	Operations	Data Type	Comments
LocationObjectId	Read Only	String (36)	Specifies location object ID.
LocationURI	Read Only	String	Specifies URI of the location.

-