



## License Users Entitlement

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# Cisco Unity Connection Provisioning Interface (CUPI) API -- License User Entitlement

## License User Entitlement APIs

Administrator can use this API to fetch users belonging to a tenant and their license information which includes messaging and Speech view.

### Listing the Users with Their Licensing Details Who Belongs to a Particular Tenant

Obtain the Object ID of the tenant that you want to list the user licenses for:

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

Perform a GET operation on the tenant Object ID using the following URI to list all the user licenses:

```
GET https://<connection-server>/vmrest/tenants/c9d9c29d-4a81-47b5-9296-34b193cff5bb/userlicenses
```

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

```
<UserLicenses total="1">
  <UserLicense>
    <Alias>raman@Texoma.com</Alias>
    <DtmfAccessId>1234</DtmfAccessId>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
  </UserLicense></UserLicenses
```

```
Response Code: 200
```

### JSON Example

To list all the user licenses, use the following:

```
Request URI:
GET
https://<connection-server>/vmrest/tenants/c9d9c29d-4a81-47b5-9296-34b193cff5bb/userlicenses
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",
  "UserLicense":
  [
    {
      "Alias": "raman",
      "DtmfAccessId": "1234",
      "PartitionObjectId": "6a4ac446-8b88-4456-aad7-099f249958fa",
      "Messaging": "Basic",
      "SpeechView": "Speech View Standard"
    }
  ]
}
```

```
Response Code: 200
```

## List Users by Performing an Query

Users can be queried based on all the fields of the License User Entitlement API, namely, Alias, DtmfAccessId, Messaging, SpeechView.

Obtain the Object ID of the tenant that you want to list the user licenses for:

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

Perform a GET operation on the tenant Object ID using the following URI to list the user licenses:

```
GET https://<connection-server>/vmrest/tenants/c9d9c29d-4a81-47b5-9296-34b193cff5bb/userlicenses?query=(DtmfAccessId%20is%201234)
```

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

```
<UserLicenses total="1">
  <UserLicense>
    <Alias>raman@Texoma.com</Alias>
    <DtmfAccessId>1234</DtmfAccessId>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
  </UserLicense>
</UserLicenses>
```

```
Response Code: 200
```

### JSON Example

To list the user licenses, do the following:

```
Request URI:
GET https://<connection-server>/vmrest/tenants/c9d9c29d-4a81-47b5-9296-
34b193cff5bb/userlicenses?query=(DtmfAccessId%20is%201234)
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",
  "UserLicense": [{
    "Alias": "raman",
    "DtmfAccessId": "1234",
    "PartitionObjectId": "6a4ac446-8b88-4456-aad7-099f249958fa",
    "Messaging": "Basic",
    "SpeechView": "Speech View Standard"
  } ]
}
```

Response Code: 200

## Explanation of Data Fields

Parameters	Operations	Data Type	Comments
Alias	Read Only	String(64)	The Alias of the user belonging to a Tenant.
dtmfAccessId	Read Only	String(40)	The DTMF access id (i.e., extension) of the subscriber.
Messaging	Read Only	String	Licensing Tag either Basic, Enhanced, Enhanced+
SpeechView	Read Only	String	It is a licensing Tag that specifies the transcription service. Speech View Standard or Speech View Pro. This field is not displayed when users do not use the transcription service.

# Cisco Unity Connection Provisioning Interface (CUPI) API -- Bulk User License

## Bulk User License APIs

The administrator uses this API to fetch all the users along with the license detail of each user. This API works in both Multi Tenancy Mode and Non Multi Tenancy Mode of Cisco Unity Connection.

If the number of users is more than 20000, the Bulk User License API performs pagination and fetches the smaller number of users.



**Note** In Cisco Unity Connection 10.0(1) and later, TenantId in API response is available in Tenant Partitioning.

## Listing the Users with Their License Details

Perform a GET operation to list the users along with their license details:

```
Get https://<connection-server>/vmrest/userlicenses
```

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

```
<UserLicenses total="2">
  <UserLicense>
    <Alias>user1@Tenant1.com</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Pro</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
  <UserLicense>
    <Alias>user2@Tenant1.com</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Pro</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
</UserLicenses>
```

```
Response Code: 200
```

### JSON Example

To list all the users along with their license details, use the following:

```
Request URI:
GET https://<connection-server>/vmrest/userlicenses
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",
  "UserLicense":
  [
    {
      "Alias": "user1@Tenant1.com",
      "Messaging": "Basic",
      "TenantId": "Tenant1"
    },
    {
      "Alias": "user2@Tenant1.com",
      "Messaging": "Basic",
      "TenantId": "Tenant1"
    }
  ]
}
```

```
Response Code: 200
```

## Listing Users with License Details Using Pagination

To list the users along with their license details using pagination, pass the value in the properties "rowsPerPage" and "pageNumber". By default the value of "rowsPerPage" is 2001.

Perform a GET operation to list the users along with their license details using pagination:

```
Get https://<connection-server>/vmrest/userlicenses?rowsPerPage=1&pageNumber=1
```

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

```
<UserLicenses total="1">
  <UserLicense>
    <Alias>user1@Tenant1.com</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
</UserLicenses>
```

```
Response Code: 200
```

### JSON Example

To list all the users along with their license details using pagination, use the following:

```
Request URI:
GET https://<connection-server>/vmrest/userlicenses?rowsPerPage=1&pageNumber=1
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",
  "UserLicense":
  {
    "Alias": "user1@Tenant1.com",
    "Messaging": "Basic",
    "SpeechView": "Speech View Standard",
    "TenantId": "Tenant1"
  }
}
```

```
Response Code: 200
```

## List the Number of Users Using Licenses

To List the number of users using licenses, pass the value 0 in the property "rowsPerPage" or "pageNumber".

Perform a GET operation to list the number of users using licenses:

```
Get https://<connection-server>/vmrest/userlicenses?pageNumber=0
```

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

```
<UserLicenses total="2"/>
```

```
Response Code: 200
```

### JSON Response

To list all the number of users using licenses, use the following:

```
Request URI:
GET https://<connection-server>/vmrest/userlicenses?pageNumber=0
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"}
```

```
Response Code: 200
```

## Listing Users Using Same Type of Licenses

To list the users that are using same type of licenses, pass the "query" parameter.

Perform a GET operation to list the number of users using licenses:

```
Get https://<connection-server>/vmrest/userlicenses?query=(Messaging is Basic)
```

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

```
<UserLicenses total="2">
  <UserLicense>
    <Alias>user1@Tenant1.com</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
  <UserLicense>
    <Alias>user2@Tenant1.com</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
</UserLicenses>
<pre>
<pre>
Response Code: 200
```

### JSON Example

To list the number of users using same type of licenses, use the following:

```
Request URI:
GET https://<connection-server>/vmrest/userlicenses?query=(Messaging is Basic)
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",
  "UserLicense":
  [
    {
      "Alias": "user1@Tenant1.com",
      "Messaging": "Basic",
      "SpeechView": "Speech View Standard",
      "TenantId": "Tenant1"
    },
    {
      "Alias": "user2@Tenant1.com",
      "Messaging": "Basic",
      "SpeechView": "Speech View Standard",
      "TenantId": "Tenant1"
    }
  ]
}
```

```
Response Code: 200
```

## Listing License Details of a Particular User

To list the license of a particular user, pass the "query" parameter.

Perform a GET operation to list the number of users using licenses:

```
Get https://<connection-server>/vmrest/userlicenses?query=(Alias is user1)
```

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

```
<UserLicenses total="1">
  <UserLicense>
    <Alias>user1</Alias>
    <Messaging>Basic</Messaging>
    <SpeechView>Speech View Standard</SpeechView>
    <TenantId>Tenant1</TenantId>
  </UserLicense>
</UserLicenses>
```

```
Response Code: 200
```

### JSON Response

To list the license of a particular user, use the following:

```
Request URI:
GET https://ucbu-aricent-vm259.cisco.com/vmrest/userlicenses?query=(Alias is user1)
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",
  "UserLicense":
  {
    "Alias": "user1",
    "Messaging": "Basic",
    "SpeechView": "Speech View Standard",
    "TenantId": "Tenant1"
  }
}
```

Response Code: 200

## Explanation of Data Fields

Parameters	Operations	Data Type	Comments
Alias	Read Only	String(64)	The Alias of the user.
Messaging	Read Only	String	Licensing Tag either Basic, Enhanced, Enhanced+
SpeechView	Read Only	String	It is a licensing Tag that specifies the transcription service Speech View Standard or Speech View Pro This field is not displayed when users do not use the transcription service.
TenantId	Read Only	String	This field contains the Name of the tenant to which the user belongs. This field will be populated only if the connection is working in the Multi Tenancy Mode and user belongs to a Tenant.