



Cisco Unity Connection Provisioning Interface (CUPI) API -- User Message Waiting Indicators

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Message Waiting Indicator (MWI) Settings API

Listing All MWIs

```
GET https://<connection-server>/vmrest/users/<user-objectid>/mwis
```

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

```
<Mwis total="1">
  <Mwi>
    <URI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/mwis/2c07a9ca-c041-4dfa-b0d1-7f633883a1b7</URI>

    <SubscriberObjectId>4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1</SubscriberObjectId>
    <UserURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1</UserURI>
    <ObjectId>2c07a9ca-c041-4dfa-b0d1-7f633883a1b7</ObjectId>
    <DisplayName>MWI-1</DisplayName>
    <MwiExtension>99999</MwiExtension>
    <MwiOn>false</MwiOn>
    <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
    <PhoneSystemURI>/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150</PhoneSystemURI>

    <IncludeTextMessages>false</IncludeTextMessages>
    <IncludeVoiceMessages>true</IncludeVoiceMessages>
    <IncludeFaxMessages>false</IncludeFaxMessages>
    <Active>true</Active>
    <UsePrimaryExtension>true</UsePrimaryExtension>
    <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
  </Mwi>
</Mwis>
```

Response Code: 200

Listing Details of a Specific MWI

```
GET https://<connection-server>/vmrest/users/<user-objectid>/mwis/<mwi-objectid>
```

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

```
<Mwi>

<URI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/mwis/1a231793-7168-44aa-8657-aa40eda67481</URI>

  <SubscriberObjectId>9375d893-c8eb-437b-90bf-7de4b1d0c3e8</SubscriberObjectId>
  <UserURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8</UserURI>
  <ObjectId>1a231793-7168-44aa-8657-aa40eda67481</ObjectId>
  <DisplayName>MWI</DisplayName>
  <MwiExtension>99934</MwiExtension>
  <MwiOn>false</MwiOn>
  <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150</PhoneSystemURI>

  <IncludeTextMessages>false</IncludeTextMessages>
  <IncludeVoiceMessages>true</IncludeVoiceMessages>
  <IncludeFaxMessages>false</IncludeFaxMessages>
  <Active>true</Active>
  <UsePrimaryExtension>true</UsePrimaryExtension>
  <MediaSwitchDisplayName>PhoneSystem</MediaSwitchDisplayName>
</Mwi>
```

Response Code: 200

JSON Example

```
GET https://<connection-server>/vmrest/users/<user-objectid>/mwis/<mwi-objectid>
Accept: application/json
Connection: keep-alive
{
  "URI":"/vmrest/users/53c84cf9-c8fe-4dd5-a295-b648b72b5a2c/mwis/810ce62e-eeec-4f47-85bd-68c69a7bca66"
  "SubscriberObjectId":"53c84cf9-c8fe-4dd5-a295-b648b72b5a2c"
  "UserURI":"/vmrest/users/53c84cf9-c8fe-4dd5-a295-b648b72b5a2c"
  "ObjectId":"810ce62e-eeec-4f47-85bd-68c69a7bca66"
  "DisplayName":"MWI-1"
  "MwiExtension":"99999"
  "MwiOn":"false"
  "MediaSwitchObjectId":"e912b134-1bd0-45f9-baae-9f1e096ae3b9"
  "PhoneSystemURI":"/vmrest/phonesystems/e912b134-1bd0-45f9-baae-9f1e096ae3b9"
  "IncludeTextMessages":"false"
  "IncludeVoiceMessages":"true"
  "IncludeFaxMessages":"false"
  "Active":"true"
  "UsePrimaryExtension":"true"
  "MediaSwitchDisplayName":"PhoneSystem"
}
```

Response Code: 200

Create a New MWI

The mandatory fields for creation of a MWI are DisplayName, MediaSwitchObjectId, and MWIExtension. URI for getting MediaswitchObjectId:

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

```
POST https://<connection-server>/vmrest/users/<user-objectid>/mwis
```

```
<Mwi>
  <DisplayName>MWI-1</DisplayName>
  <MwiExtension>9997</MwiExtension>
  <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
</Mwi>
```

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/users/f82b301d-1ec8-44c6-a3ee-0012269439bf/mwis/a9159ac7-3857-480c-917d-0c599a32fc03
```

JSON Example:

To create MWI

```
POST https://<connection-server>/vmrest/users/<user-objectid>/mwis
Accept: application/json
Content-type: application/json
Connection: keep-alive
Request Body:-
{
  "DisplayName": "MWI-1",
  "MwiExtension": "9997",
  "MediaSwitchObjectId": "ec1e2636-fc14-44fc-8cda-d6c1a3d61150"
}
```

```
Response Code: 201
/vmrest/users/f82b301d-1ec8-44c6-a3ee-0012269439bf/mwis/a9159ac7-3857-480c-917d-0c599a32fc03
```

Update a MWI

```
PUT https://<connection-server>/vmrest/users/<user-objectid>/mwis/<mwi-objectid>
```

```
<Mwi>
  <Active>true</Active>
  <DisplayName>MWI</DisplayName>
  <MwiExtension>9997</MwiExtension>
  <MwiOn>false</MwiOn>
  <UsePrimaryExtension>true</UsePrimaryExtension>
</Mwi>
```

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:**To Update MWI**

```
PUT https://<connection-server>/vmrest/users/<user-objectid>/mwis/<mwi-objectid>
Accept: application/json
Content-type: application/json
Connection: keep-alive
Response Body:
{
  "DisplayName": "NEW_MWI",
  "UsePrimaryExtension": 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
```

Delete a MWI

```
DELETE https://<connection-server>/vmrest/users/<user-objectid>/mwis/<mwi-objectid>
```

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/users/<user-objectid>/mwis/<mwi-objectid>
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
```

Explanation of Data Fields

Field Name	Data Type	Operations	Description
Active	Boolean	Read/Write	<p>Flag indicate whether MWI is enabled or not.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • true means that it is active and the MWI will be turned on/off by the notifier. • false <p>Default value: false (except the default MWI)</p>

Field Name	Data Type	Operations	Description
Display Name	String(64)	Read/Write	The unique text name of this notification MWI to be used when displaying entries in the administrative console, e.g. Cisco Unity Connection Administration. For example, "Office Phone" or " Lab Phone".
MwiExtension	String	Read/Write	The phone number (extension) of the MWI to activate. NULL means use the subscriber's extension.
MediaSwitchObjectld	String(36)	Read/Write	The unique identifier of the MediaSwitch object to use for activating/deactivating the MWI.
MwiOn	Boolean	Read/Write	A flag indicating whether the MWI is on or off. This is the state of the MWI from the perspective of Cisco Unity Connection. Possible values: <ul style="list-style-type: none"> • false: MWI is off • true: MWI is on Default value: false
UsePrimaryExtension	Boolean	Read/Write	A flag indicating that the primary extension of the subscriber should be used. <ul style="list-style-type: none"> • true: Use Inherit Extension • false: Do not use Inherit Extension Default value: false (but its true for default MWI)
IncludeTextMessages	Boolean	Read/Write	A flag indicating whether the MWI should be set for a text message. Possible values: <ul style="list-style-type: none"> • false: Do not set MWI for text message. • true: Set MWI for text message. Default value: false
IncludeVoiceMessages	Boolean	Read/Write	A flag indicating whether the MWI should be set for a voice message. Possible values: false: Do not set MWI for voice message. true: Set MWI for voice message. Default Value: true
IncludeFaxMessages	Boolean	Read/Write	A flag indicating whether the MWI should be set for a FAX message. Possible values: <ul style="list-style-type: none"> • false: Do not set MWI for fax message. • true: Set MWI for fax message. Default value: false
MediaSwitchDisplayName	String	Read/Write	Name of phone system associated with the user.

Explanation of Data Fields

Field Name	Data Type	Operations	Description
ObjectId	String(36)	Read Only	A globally unique, system-generated identifier for a MWI object.