

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

<b>CUPI Guide Contents</b>
<a href="#">API Overview</a>
<a href="#">Index of All CUPI Documentation</a>

## Contents

- [1 Message Waiting Indicator \(MWI\)](#)
  - [Settings API](#)
    - ◆ [1.1 Listing All MWIs](#)
    - ◆ [1.2 Listing Details of a Specific MWI](#)
    - ◆ [1.3 Create a New MWI](#)
    - ◆ [1.4 Update a MWI](#)
    - ◆ [1.5 Delete a MWI](#)
    - ◆ [1.6 Explanation of Data Fields](#)

## 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>>

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_User\_Message\_Waiting\_Indicators

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
  <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>
```

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_User\_Message\_Waiting\_Indicators

```
<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
}
```

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_User\_Message\_Waiting\_Indicators

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	Flag indicate whether MWI is enabled or not.  Possible values: <ul style="list-style-type: none"><li>• true means that it is active and the MWI will be turned on/off by the notifier.</li><li>• false</li></ul> Default value: false (except the default MWI)
DisplayName	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.
MediaSwitchObjectId	String(36)	Read/Write	The unique identifier of the MediaSwitch object to use for activating/deactivating the MWI.

Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_User\_Message\_Waiting\_Indicators

MwiOn	Boolean	Read/Write	<p>A flag indicating whether the MWI is on or off. This is the state of the MWI from the perspective of Cisco Unity Connection.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>• false: MWI is off</li> <li>• true: MWI is on</li> </ul> <p>Default value: false</p>
UsePrimaryExtension	Boolean	Read/Write	<p>A flag indicating that the primary extension of the subscriber should be used.</p> <ul style="list-style-type: none"> <li>• true: Use Inherit Extension</li> <li>• false: Do not use Inherit Extension</li> </ul> <p>Default value: false (but its true for default MWI)</p>
IncludeTextMessages	Boolean	Read/Write	<p>A flag indicating whether the MWI should be set for a text message.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>• false: Do not set MWI for text message.</li> <li>• true: Set MWI for text message.</li> </ul> <p>Default value: false</p>
IncludeVoiceMessages	Boolean	Read/Write	<p>A flag indicating whether the MWI should be set for a voice message.</p> <p>Possible values: false: Do not set MWI for voice message. true: Set MWI for voice message.</p> <p>Default Value: true</p>
IncludeFaxMessages	Boolean	Read/Write	<p>A flag indicating whether the MWI should be set for a FAX message.</p> <p>Possible values:</p> <ul style="list-style-type: none"> <li>• false: Do not set MWI for fax message.</li> <li>• true: Set MWI for fax message.</li> </ul> <p>Default value: false</p>
MediaSwitchDisplayName	String	Read/Write	Name of phone system associated with the user.
ObjectId	String(36)	Read Only	A globally unique, system-generated identifier for a MWI object.