

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

CUPI Guide Contents
API Overview
Index of All CUPI Documentation

Contents

- [1 Alternate Extensions API](#)
 - ◆ [1.1 Listing the Basic Settings of Alternate Extension](#)
 - ◆ [1.2 Listing the Advanced Settings of Alternate Extension](#)
 - ◆ [1.3 Create a new Alternate Extension](#)
 - ◆ [1.4 Update Basic Settings of Alternate Extension](#)
 - ◆ [1.5 Update Advanced Settings of Alternate Extension](#)
 - ◆ [1.6 Delete Alternate Extension](#)
 - ◆ [1.7 Explanation of Data Fields](#)
 - ◇ [1.7.1 Explanation of Data Fields: Advance Settings](#)

Alternate Extensions API

Listing the Basic Settings of Alternate Extension

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

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

```
<AlternateExtensions total="1">
  <AlternateExtension>
    <URI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/alternateextensions/f0cfbf52-a6b2-466c-b7e6-eb05d6cce705</URI>
    <IdIndex>0</IdIndex>
    <DtmfAccessId>99934</DtmfAccessId>
    <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
    <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationURI>
    <ObjectId>f0cfbf52-a6b2-466c-b7e6-eb05d6cce705</ObjectId>
    <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
    <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
    <AlternateExtensionAdvancedURI>/vmrest/alternateextensionadvanceds/42266e69-5e5e-42fe-924e-e94b2</AlternateExtensionAdvancedURI>
  </AlternateExtension>
</AlternateExtensions>
```

Response Code: 200

JSON Example

GET https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions/<alternateextensionid>
Accept: application/json

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

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/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/alternateextensions/f0cfbf52-a6b2-466c-b7e6-eb05d6cce705",
  "IdIndex": "0",
  "DtmfAccessId": "99934",
  "LocationObjectId": "42a9ab40-490d-4819-9bfb-8ddce4f430ff",
  "LocationURI": "/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff",
  "ObjectId": "f0cfbf52-a6b2-466c-b7e6-eb05d6cce705",
  "PartitionObjectId": "da2114bf-cde7-43d8-9709-cd3895a9d41b",
  "PartitionURI": "/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b",
  "AlternateExtensionAdvancedURI": "/vmrest/alternateextensionadvanceds/42266e69-5e5e-42fe-924e-e94b2c9e06b3"
}
```

Listing the Advanced Settings of Alternate Extension

- Fetch the Alternate Extension URI from following URI:

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

- Now fetch the Alternate Extension Advanced URI from a URI:

`https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions/<alternateextensionid>`

- Set following as a Request URI:

`https://<connection-server>/vmrest/alternateextensionadvanceds/<alternateextensionadvanced_objectid>`

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

```
<AlternateExtensionAdvanced>
  <URI>/vmrest/alternateextensionadvanceds/42266e69-5e5e-42fe-924e-e94b2c9e06b3</URI>
  <DeviceDtmfAccessIdObjectId>7c26381e-ee0f-4abf-9083-94a5017abc76</DeviceDtmfAccessIdObjectId>
  <MessageSpeed>100</MessageSpeed>
  <MessageVolume>50</MessageVolume>
  <ObjectId>42266e69-5e5e-42fe-924e-e94b2c9e06b3</ObjectId>
  <PromptSpeed>100</PromptSpeed>
  <PromptVolume>50</PromptVolume>
  <SaveMessageOnHangup>true</SaveMessageOnHangup>
  <SendMessageOnHangup>1</SendMessageOnHangup>
  <SkipPasswordForKnownDevice>true</SkipPasswordForKnownDevice>
  <SubscriberObjectId>bf0e9ca3-db47-472d-aa0c-609a3265ada1</SubscriberObjectId>
  <UserURI>/vmrest/users/bf0e9ca3-db47-472d-aa0c-609a3265ada1</UserURI>
</AlternateExtensionAdvanced>
```

Response Code: 200

JSON Example

- Step 1: Fetch the Alternate Extension URI from following URI:

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

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

- Step 2: Now fetch the Alternate Extension Advanced URI from a URI:

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

- Step 3: Set following as a Request URI:

```
GET https://<connection-server>/vmrest/alternateextensionadvanceds/<objectid>  
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/alternateextensionadvanceds/42266e69-5e5e-42fe-924e-e94b2c9e06b3",  
  "DeviceDtmfAccessIdObjectId": "7c26381e-ee0f-4abf-9083-94a5017abc76",  
  "MessageSpeed": "100",  
  "MessageVolume": "50",  
  "ObjectId": "42266e69-5e5e-42fe-924e-e94b2c9e06b3",  
  "PromptSpeed": "100",  
  "PromptVolume": "50",  
  "SaveMessageOnHangup": "true",  
  "SendMessageOnHangup": "1",  
  "SkipPasswordForKnownDevice": "true",  
  "SubscriberObjectId": "bf0e9ca3-db47-472d-aa0c-609a3265ada1",  
  "UserURI": "/vmrest/users/bf0e9ca3-db47-472d-aa0c-609a3265ada1"  
}
```

Response Code: 200

Create a new Alternate Extension

The mandatory fields for creation of alternate extension are IdIndex, DtmfAccessId, and PartitionObjectId. The URI for getting partition object ID use:

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

The following URI is fetched from the response body of URI:

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

To create a new alternate extension for a user,

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

```
<AlternateExtension>  
  <IdIndex>2</IdIndex>  
  <DtmfAccessId>999341</DtmfAccessId>  
  <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>  
</AlternateExtension>
```

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/fa2114bf-cde7-43d8-9709-cd3895a9d41b/alternateextensions/ea2114bf-cde7-43d8-9709-cd3
```

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

JSON Example

```
POST https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions
Accept: application/json
Content-type: application/json
Connection: keep-alive
```

```
{
  "IdIndex": "2",
  "DtmfAccessId": "999341",
  "PartitionObjectId": "da2114bf-cde7-43d8-9709-cd3895a9d41b"
}
```

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/fa2114bf-cde7-43d8-9709-cd3895a9d41b/alternateextensions/ea2114bf-cde7-43d8-9709-cd3
```

Update Basic Settings of Alternate Extension

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

```
<AlternateExtension>
  <DtmfAccessId>999345c1</DtmfAccessId>
  <PartitionObjectId>e1c25917-7dbe-4691-8226-246f84edc73b</PartitionObjectId>
</AlternateExtension>
```

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/users/<user-objectid>/alternateextensions/<alternateextensi
Accept: application/json
Content-type: application/json
Connection: keep-alive
```

```
{
  "DtmfAccessId": "123345"
}
```

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
```

Update Advanced Settings of Alternate Extension

- **Step1:** Fetch the Alternate Extension URI from following URI:

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

- **Step 2:** Now fetch the Alternate Extension Advanced URI from a URI:

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

GET https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions/<alternateextens

- **Step 3:** Set following as a

PUT https://<connection-server>/vmrest/alternateextensionadvanceds/<alternateextensionadvanced_obj

```
<AlternateExtensionAdvanced>
  <FirstDigitTimeout>1000</FirstDigitTimeout>
  <InterDigitDelay>2000</InterDigitDelay>
</AlternateExtensionAdvanced>
```

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

- **Step1:** Fetch the Alternate Extension URI from following URI:

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

- **Step 2:** Now fetch the Alternate Extension Advanced URI from a URI:

GET https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions/<alternateextensi

- **Step 3:** Set following as a Request URI:

```
PUT https://<connection-server>/vmrest/alternateextensionadvanceds/<alternateextensionadvanced_obj
Accept: application/json
Content-type: application/json
Connection: keep-alive
```

```
{
  "FirstDigitTimeout": "1000",
  "InterDigitDelay": "2000"
}
```

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 Alternate Extension

DELETE https://<connection-server>/vmrest/users/<user-objectid>/alternateextensions/<alternateexte

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>/alternateextensions/<alternateexte
Accept: application/json
Connection: keep-alive
```

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

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	Operation	Description
URI	String	Read Only	URI of Alternate Extension
IdIndex	Read/Write	Integer	An index into the alternate extensions for a subscriber. Possible value can be 0-20. Admin-defined alternate extensions utilize the range of 1-10. User-defined alternate extensions utilize the range of 11-20.
DtmfAccessId	String(319)	Read/Write	The dialable number.
PartitionURI	String	Read Only	URI of partition to which the DtmfAccessId is assigned.
PartitionObjectId	String(36)	Read/Write	The unique identifier of the Partition to which the DtmfAccessId is assigned.
LocationObjectId	String(36)	Read/Write	The unique identifier of the Location object to which this location (denormalized) belongs.
ObjectId	String(36)	Read Only	The unique identifier of the Extension
DisplayName	String (64)	Read/Write	The text name of this DtmfAccessId to be used when displaying entries.
AlternateExtensionAdvancedURI	String	Read Only	URI for getting and setting the advanced settings of Alternate Extension

Explanation of Data Fields: Advance Settings

Field Name	Data Type	Operation	Description
URI	String	Read Only	URI of Advance setting of Alternate Extension
AddressMode	Integer	Read/Write	The default method the subscriber will use to address messages to other subscribers. This can be addressing by ID, addressing by first name then last name, or by last name and then first name. Possible Values can be 0-2.
CommandDigitTimeout	Integer	Read/Write	The amount of time (in milliseconds) between digits on a multiple digit menu command entry (i.e. different than the

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

			inter digit timeout that is used for strings of digits such as extensions and transfer strings). Possible Values can be 250-5000.
ConfirmationConfidenceThreshold	Integer	Read/Write	Voice Recognition Confirmation Confidence Threshold Possible Values can be 0-100.
ConfirmDeleteMessage	Boolean	Read/Write	<p>A flag indicating whether Cisco Unity Connection will request confirmation from a subscriber before proceeding with a deletion of a single new or saved message.</p> <p>Possible Values can be:</p> <ul style="list-style-type: none"> • false: Cisco Unity Connection will not request confirmation from a subscriber before proceeding with a deletion of a single new or saved message. • true: Cisco Unity Connection will request confirmation from a subscriber before proceeding with a deletion of a single new or saved message.
ContinuousAddMode	Boolean	Read/Write	<p>A flag indicating whether when addressing, after entering one recipient name, whether the subscriber is asked to enter another name or assume the subscriber is finished adding names and is ready to move on to recording the message or applying message options.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • 0: Unity Connection prompts subscribers to press 1 to add more recipients. • 1: Unity Connection does not prompt subscribers to press 1 to add more recipients. Instead, subscribers continue entering recipient names or extensions (as applicable) until they indicate that they have completed addressing. <p>- Changing this setting affects the Send and Forward flows for all subscribers associated with the Unity Connection server, regardless of subscriber</p>

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

			conversation style and whether Unity Connection is set up to prompt subscribers to record before or after addressing. - By enabling streamlined addressing, forwarding messages to single recipients requires that subscribers press an extra keystroke as when streamlined addressing is disabled.
Device_DtmfAccessIdObjectId	String(36)	Read Only	The device to which this DeviceCustomConvSetting object belongs. The unique identifier of the DtmfAccessId object to which these setting apply.
FirstDigitTimeout	Integer	Read/Write	The amount of time to wait (in milliseconds) for first digit when collecting touchtone. Possible Values can be 500-10000.
InterDigitDelay	Integer	Read/Write	The amount of time to wait (in milliseconds) for input between touch tones when collecting digits in touchtone conversation. Possible Values can be 1000-10000.
JumpToMessagesOnLogin	Boolean	Read/Write	<p>A flag indicating whether the subscriber conversation jumps directly to the first message in the message stack after subscriber sign-in.</p> <p>Subscribers will not hear message counts, their own name, top level menus, etc when this setting is active. Possible Values:</p> <ul style="list-style-type: none"> • false: Subscriber conversation does not jump directly to first message in the message stack after subscriber sign-in. • true: Subscriber conversation jumps directly to the first message in the message stack after subscriber sign-in.
MessageSpeed	Integer	Read/Write	<p>The audio speed Cisco Unity Connection uses to play back messages to the subscriber.</p> <p>Possible Values: A value between 0 and 200 is allowed.</p> <ul style="list-style-type: none"> • Normal speed, the speed at which messages are recorded is a value

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

			<p>of 100.</p> <ul style="list-style-type: none"> • Twice as fast as normal speed is a value of 200. • Half as fast as normal speed is a value of 50.
MessageVolume	Integer	Read/Write	<p>The audio volume expressed as a percentage that Cisco Unity Connection uses to play back message.</p> <p>Possible Values: A value between 0 and 100 is allowed.</p> <ul style="list-style-type: none"> • Normal volume, the volume used to record a message is a value of 50. • Twice as loud is a value of 100. • Half as loud as normal volume is a value of 25. <p>Note that the value is only used for message play back, not for other parts of the conversation.</p>
NameConfirmation	Boolean	Read/Write	<p>Indicates whether the voice name of the subscriber or distribution list added to an address list when a subscriber addresses a message to other subscribers is played.</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • true • false
ObjectId	String(36)	Read Only	<p>A globally unique, system-generated identifier for an object.</p>
PromptSpeed	Integer	Read/Write	<p>The audio speed Cisco Unity Connection uses to play back prompts to the subscriber.</p> <p>Possible Values: A value between 0 and 200 is allowed.</p> <ul style="list-style-type: none"> • Normal speed, the speed at which messages are recorded is a value of 100. • Twice as fast as normal speed is a value of 200. • Half as fast as normal speed is a value of 50.
PromptVolume	Integer	Read/Write	<p>The volume level for playback of system prompts.</p>

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

			<p>Possible Values: A value between 0 and 100 is allowed.</p> <ul style="list-style-type: none"> • Normal volume, the volume used to record a message is a value of 50. • Twice as loud is a value of 100. • Half as loud as normal volume is a value of 25. <p>Note that the value is only used for playback of system prompts, not for other parts of the conversation.</p>
RepeatMenu	Integer	Read/Write	<p>The number of times to repeat a menu in touchtone.</p> <p>Possible Values: 0-250</p>
SaveMessageOnHangup	Boolean	Read/Write	<p>A flag indicating when hanging up while listening to a new message, whether the message is marked new again or is marked read.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • true • false
SendMessageOnHangup	Integer	Read/Write	<p>Indicates when hanging up while addressing a message that has a recording and at least one recipient, whether the message is discarded, saved or the message is sent.</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • 0: Message is not sent on hangup unless subscriber explicitly issues the command to send the message via DTMF or voice command. • 1: Message is sent on hangup if it has a recording and at least one valid recipient • 2: Message is saved as a draft message
SkipForwardTime	Integer	Read/Write	<p>Indicates the amount of time (in milliseconds) to jump forward when skipping ahead in a voice or TTS message using either DTMF or voice commands while reviewing messages. Possible Values: 1000-60000</p>

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

SkipPasswordForKnownDevice	Boolean	Read/Write	<p>A flag indicating whether the subscriber will be asked for his/her PIN.</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • false: Subscriber will not be asked for their PIN when calling in from a known device. • true: Subscriber will be asked for their PIN when calling in from a known device.
SkipReverseTime	Integer	Read/Write	<p>Indicates the amount of time (in milliseconds) to jump backward when skipping in reverse in a voice or TTS message using either DTMF or voice commands while reviewing messages.</p> <p>Possible Values: 1000-60000</p>
SpeechIncompleteTimeout	Integer	Read/Write	<p>Specifies the required length of silence (in milliseconds) from when the speech prior to the silence matches an active grammar, but where it is possible to speak further and still match the grammar. By contrast, the SpeechCompleteTimeout property is used when the speech prior to the silence matches an active grammar and no further words can be spoken.</p> <p>Possible Values: 300-0000</p>
UserURI	String	Read Only	<p>URI of the the subscriber to which alternate extension belongs</p>
SpeechSensitivity	Integer	Read/Write	<p>A variable level of sound sensitivity that enables the speech engine to filter out background noise and not mistake it for speech. A higher value means higher sensitivity.</p> <p>Possible Values: 0-100</p>
SubscriberObjectId	String(36)	Read Only	<p>Object id of Subscriber to which the Alternate Extension Belongs.</p>
UseVui	Boolean	Read/Write	<p>A flag indicating whether the speech recognition conversation is the default conversation for the subscriber.</p> <p>Possible Values:</p> <ul style="list-style-type: none"> • false: Speech recognition conversation is not default

Cisco_Unity_Connection_Provisioning_Interface_(CUPI)_API_--_Alternate_Extension

			<p>conversation for the subscriber.</p> <ul style="list-style-type: none">• true: Speech recognition conversation is the default conversation for the subscriber. <p>This is different from the voice-recognition class of service which indicates that the subscriber is allowed to use the voice-recognition conversation.</p>
--	--	--	--