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CUPI Guide Contents
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User API

Administrator can use this API to create/update/delete/fetch the user with mailbox. Various attributes of user, for example notification device, greetings, contact, private list, phone menu, call transfer, screening, or personal data, can also be updated using this API .

Listing the Users

The request can be used to fetch the list of all users.

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

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

```
<Users total="2">
 <User>
  <URI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1</URI>
  <ObjectId>4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1</ObjectId>
  <TenantObjectId>fe6541fb-b42c-44f2-8404-ded14cbf7438</TenantObjectId>
  <Alias>undeliverablemessagesmailbox</Alias>
  <DisplayName>Undeliverable Messages</DisplayName>
  <TimeZone>0</TimeZone>
  <CreationTime>2013-03-05T10:54:38Z</CreationTime>
  <CosObjectId>610c9c71-32be-4465-b61a-523f24a9d828</CosObjectId>
  <CosURI>/vmrest/coses/610c9c71-32be-4465-b61a-523f24a9d828</CosURI>
  <Language>0</Language>
  <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</Locatio
  <ListInDirectory>false</ListInDirectory>
  <IsVmEnrolled>true</IsVmEnrolled>
  <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150</PhoneSystemURI>
  <CallHandlerObjectId>13a3c5fc-f706-4bd0-aeeb-32dad2c4a29b</CallHandlerObjectId>
```

```
  <CallhandlerURI>/vmrest/handlers/callhandlers/13a3c5fc-f706-4bd0-aeeb-32dad2c4a29b</CallhandlerU
  <DtmfAccessId>99999</DtmfAccessId>
  <VoiceNameRequired>false</VoiceNameRequired>
  <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
  <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
  <MwisURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/mwis</MwisURI>
  <NotificationDevicesURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/notificationdevices</
  <MessageHandlersURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/messagehandlers</MessageH
  <ExternalServiceAccountsURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/externalserviceac
  <AlternateExtensionsURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/alternateextensions</
  <PrivateListsURI>/vmrest/users/4d5df6e3-a036-4f16-8f1e-d48e7e9b73c1/privatelists</PrivateListsUR
  <SmtpProxyAddressesURI>/vmrest/smtpproxyaddresses?query=(ObjectGlobalUserObjectId%20is%204d5df6e
  <AlternateNamesURI>/vmrest/alternatenames?query=(GlobalUserObjectId%20is%204d5df6e3-a036-4f16-8f
</AlternateNamesURI>
 </User>
 <User>
  <URI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce</URI>
  <ObjectId>671fd8d1-7240-4e60-9194-0ec9c4a626ce</ObjectId>
  <Alias>operator</Alias>
  <DisplayName>Operator</DisplayName>
  <TimeZone>0</TimeZone>
  <CreationTime>2013-03-05 10:54:39.02</CreationTime>
  <CosObjectId>610c9c71-32be-4465-b61a-523f24a9d828</CosObjectId>
  <CosURI>/vmrest/coses/610c9c71-32be-4465-b61a-523f24a9d828</CosURI>
  <Language>0</Language>
  <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</Locatio
  <ListInDirectory>false</ListInDirectory>
  <IsVmEnrolled>true</IsVmEnrolled>
  <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
  <PhoneSystemURI>/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150</PhoneSystemURI>
  <CallHandlerObjectId>4546d6df-5120-4fb3-9719-8d521b8a5796</CallHandlerObjectId>
  <CallhandlerURI>/vmrest/handlers/callhandlers/4546d6df-5120-4fb3-9719-8d521b8a5796</CallhandlerU
  <DtmfAccessId>99990</DtmfAccessId>
  <VoiceNameRequired>false</VoiceNameRequired>
  <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
  <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
  <MwisURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/mwis</MwisURI>
  <NotificationDevicesURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/notificationdevices</
  <MessageHandlersURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/messagehandlers</MessageH
  <ExternalServiceAccountsURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/externalserviceac
  <AlternateExtensionsURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/alternateextensions</
  <PrivateListsURI>/vmrest/users/671fd8d1-7240-4e60-9194-0ec9c4a626ce/privatelists</PrivateListsUR
  <SmtpProxyAddressesURI>/vmrest/smtpproxyaddresses?query=(ObjectGlobalUserObjectId%20is%20671fd8c
  <AlternateNamesURI>/vmrest/alternatenames?query=(GlobalUserObjectId%20is%20671fd8d1-7240-4e60-91
</User>
</Users>
```


```
Response Code: 200
```

JSON Example

To view the list of users, do the following:

```
GET https://<connection-server>/vmrest/users
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"
 "User":
[
 {
  "URI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1"
  "ObjectId":"6c91a90f-0771-492b-a7a5-083ea246a7e1"
  "TenantObjectId" :"fe6541fb-b42c-44f2-8404-ded14cbf7438"
  "UseDefaultLanguage":"true"
  "Alias":"Texoma"
  "DisplayName":"Texoma"
  "TimeZone":"190"
  "CreationTime":"2013-03-14T10:54:47Z"
  "IsTemplate":"false"
  "CosObjectId":"844e18ef-884c-4f43-b9ce-1dc0d53196c2"
  "CosURI":"/vmrest/coses/844e18ef-884c-4f43-b9ce-1dc0d53196c2"
  "Language":"1033"
  "LocationObjectId":"42a9ab40-490d-4819-9bfb-8ddce4f430ff"
  "LocationURI":"/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff"
  "AddressMode":"0"
  "ClockMode":"0"
  "ConversationTui":"SubMenu"
  "GreetByName":"true"
  "ListInDirectory":"true"
  "IsVmEnrolled":"true"
  "SayCopiedNames":"true"
  "SayDistributionList":"true"
  "SayMsgNumber":"true"
  "SaySender":"true"
  "SayTimestampAfter":"true"
  "SayTimestampBefore":"false"
  "SayTotalNew":"true"
  "SayTotalNewEmail":"true"
  "SayTotalNewFax":"false"
  "SayTotalNewVoice":"true"
  "SayTotalReceipts":"false"
  "SayTotalSaved":"true"
  "Speed":"100"
  "MediaSwitchObjectId":"ec1e2636-fc14-44fc-8cda-d6c1a3d61150"
  "PhoneSystemURI":"/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150"
  "Undeletable":"false"
  "UseBriefPrompts":"false"
  "Volume":"50"
  "EnAltGreetDontRingPhone":"false"
  "EnAltGreetPreventSkip":"false"
  "EnAltGreetPreventMsg":"false"
  "EncryptPrivateMessages":"false"
  "DeletedMessageSortOrder":"2"
  "SayAltGreetWarning":"false"
  "SaySenderExtension":"false"
  "SayAni":"false"
  "CallAnswerTimeout":"4"
  "CallHandlerObjectId":"fc2f99c4-31ac-465b-b143-5d21c760439c"
  "CallhandlerURI":"/vmrest/handlers/callhandlers/fc2f99c4-31ac-465b-b143-5d21c760439c"
  "MessageTypeMenu":"false"
  "NewMessageSortOrder":"1"
  "SavedMessageSortOrder":"2"
  "MessageLocatorSortOrder":"1"
  "NewMessageStackOrder":"1234567"
  "SavedMessageStackOrder":"1234567"
  "EnablePersonalRules":"true"
  "RecordUnknownCallerName":"true"
  "RingPrimaryPhoneFirst":"false"
  "ExitAction":"2"
  "ExitTargetConversation":"PHGreeting"
```

```
"PromptSpeed":"100"
"ExitTargetHandlerObjectId":"939d4d12-cec8-4fee-ae47-fbf0cf20c33e"
"RepeatMenu":"1"
"FirstDigitTimeout":"5000"
"InterdigitDelay":"3000"
"PromptVolume":"50"
"ExitCallActionObjectId":"a5ab392f-dce6-4de2-af7f-92f9ebd14300"
"AddressAfterRecord":"false"
"DtmfAccessId":"12345"
"ConfirmDeleteMessage":"false"
"ConfirmDeleteDeletedMessage":"false"
"ConfirmDeleteMultipleMessages":"true"
"IsClockMode24Hour":"false"
"SynchScheduleObjectId":"214cc45c-db48-44c6-a239-aa4c5e65e32a"
"SchScheduleURI":"/vmrest/schedules/214cc45c-db48-44c6-a239-aa4c5e65e32a"
"RouteNDRToSender":"true"
"IsSetForVmEnrollment":"true"
"VoiceNameRequired":"false"
"SendBroadcastMsg":"false"
"UpdateBroadcastMsg":"false"
"ConversationVui":"VuiStart"
"ConversationName":"SubMenu"
"SpeechCompleteTimeout":"0"
"SpeechIncompleteTimeout":"750"
"UseVui":"false"
"SkipPasswordForKnownDevice":"false"
"JumpToMessagesOnLogin":"false"
"UseDefaultTimeZone":"true"
"EnableMessageLocator":"false"
"AssistantRowsPerPage":"5"
"InboxMessagesPerPage":"20"
"InboxAutoRefresh":"15"
"InboxAutoResolveMessageRecipients":"true"
"PcaAddressBookRowsPerPage":"5"
"ReadOnly":"false"
"EnableTts":"true"
"SmtpAddress":"vishu11@ucbu-aricent-vm463.cisco.com"
"ConfirmationConfidenceThreshold":"60"
"AnnounceUpcomingMeetings":"60"
"SpeechConfidenceThreshold":"40"
"SpeechSpeedVsAccuracy":"50"
"SpeechSensitivity":"50"
"EnableVisualMessageLocator":"false"
"ContinuousAddMode":"false"
"NameConfirmation":"false"
"CommandDigitTimeout":"1500"
"SaveMessageOnHangup":"false"
"SendMessageOnHangup":"1"
"SkipForwardTime":"5000"
"SkipReverseTime":"5000"
"UseShortPollForCache":"false"
"SearchByExtensionSearchSpaceObjectId":"877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByExtensionSearchSpaceURI":"/vmrest/searchspaces/877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByNameSearchSpaceObjectId":"877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByNameSearchSpaceURI":"/vmrest/searchspaces/877942bf-6600-4b7a-809d-159199cfc2ec"
"PartitionObjectId":"da2114bf-cde7-43d8-9709-cd3895a9d41b"
"PartitionURI":"/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b"
"UseDynamicNameSearchWeight":"false"
"LdapType":"0"
"MwisURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/mwis"
"NotificationDevicesURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/notificationdevices
"MessageHandlersURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/messagehandlers"
"ExternalServiceAccountsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/externalservice
"AlternateExtensionsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/alternateextensions
```

```
  "PrivateListsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/privatelists"
  "SmtpProxyAddressesURI":"/vmrest/smtpproxyaddresses?query=(ObjectGlobalUserObjectId%20is%206c91a
  "AlternateNamesURI":"/vmrest/alternatenames?query=(GlobalUserObjectId%20is%206c91a90f-0771-492b-
  }
]
}
```


```
Response Code: 200
```

Listing Specific Tenant Related Users by System Administrator

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

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

To get the TenantObjectID, use the following URI:

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

Viewing the Details of a Specific User

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

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

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


```
<User>
  <URI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8</URI>
  <ObjectId>9375d893-c8eb-437b-90bf-7de4b1d0c3e8</ObjectId>
  <UseDefaultLanguage>true</UseDefaultLanguage>
  <FirstName>jsdghj</FirstName>
  <Initials>efjoe</Initials>
  <LastName>djghfjk</LastName>
  <Alias>Texoma</Alias>
  <City/>
  <State/>
  <Country>US</Country>
  <PostalCode/>
  <Department/>
  <Manager/>
  <Title>eoufowe</Title>
  <Building/>
  <EmployeeId>2343</EmployeeId>
  <Address/>
  <DisplayName>user_Opera_1</DisplayName>
  <BillingId/>
  <TimeZone>190</TimeZone>
  <CreationTime>2013-03-05T11:24:33Z</CreationTime>
  <IsTemplate>false</IsTemplate>
  <DtmfNameFirstLast>5734453544355</DtmfNameFirstLast>
  <DtmfNameLastFirst>3544355573445</DtmfNameLastFirst>
  <CosObjectId>8ab2b94d-1531-4589-865f-27bd3eea8adc</CosObjectId>
  <CosURI>/vmrest/coses/8ab2b94d-1531-4589-865f-27bd3eea8adc</CosURI>
  <Language>1033</Language>
  <LocationObjectId>42a9ab40-490d-4819-9bfb-8ddce4f430ff</LocationObjectId>
  <LocationURI>/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff</Locatio
```

```
<AddressMode>0</AddressMode>
<ClockMode>0</ClockMode>
<ConversationTui>SubMenu</ConversationTui>
<GreetByName>true</GreetByName>
<ListInDirectory>true</ListInDirectory>
<IsVmEnrolled>true</IsVmEnrolled>
<SayCopiedNames>true</SayCopiedNames>
<SayDistributionList>true</SayDistributionList>
<SayMsgNumber>true</SayMsgNumber>
<SaySender>true</SaySender>
<SayTimestampAfter>true</SayTimestampAfter>
<SayTimestampBefore>false</SayTimestampBefore>
<SayTotalNew>false</SayTotalNew>
<SayTotalNewEmail>false</SayTotalNewEmail>
<SayTotalNewFax>false</SayTotalNewFax>
<SayTotalNewVoice>true</SayTotalNewVoice>
<SayTotalReceipts>false</SayTotalReceipts>
<SayTotalSaved>true</SayTotalSaved>
<Speed>100</Speed>
<MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150</MediaSwitchObjectId>
<PhoneSystemURI>/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150</PhoneSystemURI>
<Undeletable>false</Undeletable>
<UseBriefPrompts>false</UseBriefPrompts>
<Volume>50</Volume>
<EnAltGreetDontRingPhone>false</EnAltGreetDontRingPhone>
<EnAltGreetPreventSkip>false</EnAltGreetPreventSkip>
<EnAltGreetPreventMsg>false</EnAltGreetPreventMsg>
<EncryptPrivateMessages>false</EncryptPrivateMessages>
<DeletedMessageSortOrder>2</DeletedMessageSortOrder>
<SayAltGreetWarning>false</SayAltGreetWarning>
<SaySenderExtension>false</SaySenderExtension>
<SayAni>false</SayAni>
<XferString/>
<CallAnswerTimeout>4</CallAnswerTimeout>
<CallHandlerObjectId>287cdcc0-9f77-48e0-a7b1-0f9b1a5ac842</CallHandlerObjectId>
<CallhandlerURI>/vmrest/handlers/callhandlers/287cdcc0-9f77-48e0-a7b1-0f9b1a5ac842</CallhandlerU
<MessageTypeMenu>false</MessageTypeMenu>
<NewMessageSortOrder>1</NewMessageSortOrder>
<SavedMessageSortOrder>2</SavedMessageSortOrder>
<MessageLocatorSortOrder>1</MessageLocatorSortOrder>
<NewMessageStackOrder>1234567</NewMessageStackOrder>
<SavedMessageStackOrder>1234567</SavedMessageStackOrder>
<EnablePersonalRules>true</EnablePersonalRules>
<RecordUnknownCallerName>true</RecordUnknownCallerName>
<RingPrimaryPhoneFirst>false</RingPrimaryPhoneFirst>
<ExitAction>2</ExitAction>
<ExitTargetConversation>PHGreeting</ExitTargetConversation>
<PromptSpeed>100</PromptSpeed>
<ExitTargetHandlerObjectId>55af319d-7a26-40ad-9b20-153ee1f39e99</ExitTargetHandlerObjectId>
<RepeatMenu>1</RepeatMenu>
<FirstDigitTimeout>5000</FirstDigitTimeout>
<InterdigitDelay>3000</InterdigitDelay>
<PromptVolume>50</PromptVolume>
<ExitCallActionObjectId>2b3566bd-0339-43a4-85a1-09ab3177f0e9</ExitCallActionObjectId>
<AddressAfterRecord>false</AddressAfterRecord>
<DtmfAccessId>99934</DtmfAccessId>
<ConfirmDeleteMessage>false</ConfirmDeleteMessage>
<ConfirmDeleteDeletedMessage>false</ConfirmDeleteDeletedMessage>
<ConfirmDeleteMultipleMessages>true</ConfirmDeleteMultipleMessages>
<IsClockMode24Hour>false</IsClockMode24Hour>
<SynchScheduleObjectId>58dce2eb-9d6d-4621-b81d-a56c80b83897</SynchScheduleObjectId>
<SynchScheduleURI>/vmrest/schedules/58dce2eb-9d6d-4621-b81d-a56c80b83897</SynchScheduleURI>
<RouteNDRToSender>true</RouteNDRToSender>
<IsSetForVmEnrollment>true</IsSetForVmEnrollment>
```

```
  <VoiceNameRequired>false</VoiceNameRequired>
  <SendBroadcastMsg>false</SendBroadcastMsg>
  <UpdateBroadcastMsg>false</UpdateBroadcastMsg>
  <ConversationVui>VuiStart</ConversationVui>
  <ConversationName>SubMenu</ConversationName>
  <SpeechCompleteTimeout>0</SpeechCompleteTimeout>
  <SpeechIncompleteTimeout>750</SpeechIncompleteTimeout>
  <UseVui>false</UseVui>
  <SkipPasswordForKnownDevice>true</SkipPasswordForKnownDevice>
  <JumpToMessagesOnLogin>true</JumpToMessagesOnLogin>
  <UseDefaultTimeZone>true</UseDefaultTimeZone>
  <EnableMessageLocator>false</EnableMessageLocator>
  <DtmfNameFirst>573445</DtmfNameFirst>
  <DtmfNameLast>3544355</DtmfNameLast>
  <AssistantRowsPerPage>5</AssistantRowsPerPage>
  <InboxMessagesPerPage>20</InboxMessagesPerPage>
  <InboxAutoRefresh>15</InboxAutoRefresh>
  <InboxAutoResolveMessageRecipients>true</InboxAutoResolveMessageRecipients>
  <PcaAddressBookRowsPerPage>5</PcaAddressBookRowsPerPage>
  <ReadOnly>false</ReadOnly>
  <EnableTts>true</EnableTts>
  <SmtpAddress>user_operator_1@ucbu-aricent-vm463.cisco.com</SmtpAddress>
  <ConfirmationConfidenceThreshold>60</ConfirmationConfidenceThreshold>
  <AnnounceUpcomingMeetings>60</AnnounceUpcomingMeetings>
  <SpeechConfidenceThreshold>40</SpeechConfidenceThreshold>
  <SpeechSpeedVsAccuracy>50</SpeechSpeedVsAccuracy>
  <SpeechSensitivity>50</SpeechSensitivity>
  <EnableVisualMessageLocator>false</EnableVisualMessageLocator>
  <ContinuousAddMode>false</ContinuousAddMode>
  <NameConfirmation>false</NameConfirmation>
  <CommandDigitTimeout>1500</CommandDigitTimeout>
  <SaveMessageOnHangup>false</SaveMessageOnHangup>
  <SendMessageOnHangup>1</SendMessageOnHangup>
  <SkipForwardTime>5000</SkipForwardTime>
  <SkipReverseTime>5000</SkipReverseTime>
  <UseShortPollForCache>true</UseShortPollForCache>
  <SearchByExtensionSearchSpaceObjectId>5d004dee-14ef-4fc4-83b8-850274628286</SearchByExtensionSea
  <SearchByExtensionSearchSpaceURI>/vmrest/searchspaces/5d004dee-14ef-4fc4-83b8-850274628286</Sear
  <SearchByNameSearchSpaceObjectId>5d004dee-14ef-4fc4-83b8-850274628286</SearchByNameSearchSpaceOb
  <SearchByNameSearchSpaceURI>/vmrest/searchspaces/5d004dee-14ef-4fc4-83b8-850274628286</SearchByN
  <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
  <PartitionURI>/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionURI>
  <UseDynamicNameSearchWeight>false</UseDynamicNameSearchWeight>
  <LdapType>1</LdapType>
  <FaxServerObjectId>1564dbbc-002f-47b9-a0f3-38f2cd6e2d87</FaxServerObjectId>
  <FaxServerURI>/vmrest/faxservers/1564dbbc-002f-47b9-a0f3-38f2cd6e2d87</FaxServerURI>
  <MwisURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/mwis</MwisURI>
  <NotificationDevicesURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/notificationdevices</
  <MessageHandlersURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/messagehandlers</MessageH
  <ExternalServiceAccountsURI>/vmrest/users/9375d893-c8eb-437b-90bf-    7de4b1d0c3e8/externalservi
  <AlternateExtensionsURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/alternateextensions</
  <PrivateListsURI>/vmrest/users/9375d893-c8eb-437b-90bf-7de4b1d0c3e8/privatelists</PrivateListsUR
  <UserWebPasswordURI>/vmrest/users/7e048531-acdf-460b-884e-415be712d0bc/credential/password</User
  <UserVoicePinURI>/vmrest/users/7e048531-acdf-460b-884e-415be712d0bc/credential/pin</UserVoicePin
  <UserRoleURI>/vmrest/users/7e048531-acdf-460b-884e-415be712d0bc/userroles</UserRoleURI>
  <SmtpProxyAddressesURI>/vmrest/smtpproxyaddresses?query=(ObjectGlobalUserObjectId%20is%209375d89
  <AlternateNamesURI>/vmrest/alternatenames?query=(GlobalUserObjectId%20is%209375d893-c8eb-437b-90
</User>
```


Response Code: 200

JSON Example

To view the details of particular user, do the following:

```
GET https://<connection-server>/vmrest/users/<user-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/users/6c91a90f-0771-492b-a7a5-083ea246a7e1"
  "ObjectId":"6c91a90f-0771-492b-a7a5-083ea246a7e1"
  "UseDefaultLanguage":"true"
  "Alias":"Texoma"
  "DisplayName":"Texoma"
  "TimeZone":"190"
  "CreationTime":"2013-03-14T10:54:47Z"
  "IsTemplate":"false"
  "CosObjectId":"844e18ef-884c-4f43-b9ce-1dc0d53196c2"
  "CosURI":"/vmrest/coses/844e18ef-884c-4f43-b9ce-1dc0d53196c2"
  "Language":"1033"
  "LocationObjectId":"42a9ab40-490d-4819-9bfb-8ddce4f430ff"
  "LocationURI":"/vmrest/locations/connectionlocations/42a9ab40-490d-4819-9bfb-8ddce4f430ff"
  "AddressMode":"0"
  "ClockMode":"0"
  "ConversationTui":"SubMenu"
  "GreetByName":"true"
  "ListInDirectory":"true"
  "IsVmEnrolled":"true"
  "SayCopiedNames":"true"
  "SayDistributionList":"true"
  "SayMsgNumber":"true"
  "SaySender":"true"
  "SayTimestampAfter":"true"
  "SayTimestampBefore":"false"
  "SayTotalNew":"true"
  "SayTotalNewEmail":"true"
  "SayTotalNewFax":"false"
  "SayTotalNewVoice":"true"
  "SayTotalReceipts":"false"
  "SayTotalSaved":"true"
  "Speed":"100"
  "MediaSwitchObjectId":"ec1e2636-fc14-44fc-8cda-d6c1a3d61150"
  "PhoneSystemURI":"/vmrest/phonesystems/ec1e2636-fc14-44fc-8cda-d6c1a3d61150"
  "Undeletable":"false"
  "UseBriefPrompts":"false"
  "Volume":"50"
  "EnAltGreetDontRingPhone":"false"
  "EnAltGreetPreventSkip":"false"
  "EnAltGreetPreventMsg":"false"
  "EncryptPrivateMessages":"false"
  "DeletedMessageSortOrder":"2"
  "SayAltGreetWarning":"false"
  "SaySenderExtension":"false"
  "SayAni":"false"
  "CallAnswerTimeout":"4"
  "CallHandlerObjectId":"fc2f99c4-31ac-465b-b143-5d21c760439c"
  "CallhandlerURI":"/vmrest/handlers/callhandlers/fc2f99c4-31ac-465b-b143-5d21c760439c"
  "MessageTypeMenu":"false"
  "NewMessageSortOrder":"1"
  "SavedMessageSortOrder":"2"
  "MessageLocatorSortOrder":"1"
  "NewMessageStackOrder":"1234567"
```

```
"SavedMessageStackOrder":"1234567"
"EnablePersonalRules":"true"
"RecordUnknownCallerName":"true"
"RingPrimaryPhoneFirst":"false"
"ExitAction":"2"
"ExitTargetConversation":"PHGreeting"
"PromptSpeed":"100"
"ExitTargetHandlerObjectId":"939d4d12-cec8-4fee-ae47-fbf0cf20c33e"
"RepeatMenu":"1"
"FirstDigitTimeout":"5000"
"InterdigitDelay":"3000"
"PromptVolume":"50"
"ExitCallActionObjectId":"a5ab392f-dce6-4de2-af7f-92f9ebd14300"
"AddressAfterRecord":"false"
"DtmfAccessId":"12345"
"ConfirmDeleteMessage":"false"
"ConfirmDeleteDeletedMessage":"false"
"ConfirmDeleteMultipleMessages":"true"
"IsClockMode24Hour":"false"
"SynchScheduleObjectId":"214cc45c-db48-44c6-a239-aa4c5e65e32a"
"SynchScheduleURI":"/vmrest/schedules/214cc45c-db48-44c6-a239-aa4c5e65e32a"
"RouteNDRToSender":"true"
"IsSetForVmEnrollment":"true"
"VoiceNameRequired":"false"
"SendBroadcastMsg":"false"
"UpdateBroadcastMsg":"false"
"ConversationVui":"VuiStart"
"ConversationName":"SubMenu"
"SpeechCompleteTimeout":"0"
"SpeechIncompleteTimeout":"750"
"UseVui":"false"
"SkipPasswordForKnownDevice":"false"
"JumpToMessagesOnLogin":"false"
"UseDefaultTimeZone":"true"
"EnableMessageLocator":"false"
"AssistantRowsPerPage":"5"
"InboxMessagesPerPage":"20"
"InboxAutoRefresh":"15"
"InboxAutoResolveMessageRecipients":"true"
"PcaAddressBookRowsPerPage":"5"
"ReadOnly":"false"
"EnableTts":"true"
"SmtpAddress":"vishu11@ucbu-aricent-vm463.cisco.com"
"ConfirmationConfidenceThreshold":"60"
"AnnounceUpcomingMeetings":"60"
"SpeechConfidenceThreshold":"40"
"SpeechSpeedVsAccuracy":"50"
"SpeechSensitivity":"50"
"EnableVisualMessageLocator":"false"
"ContinuousAddMode":"false"
"NameConfirmation":"false"
"CommandDigitTimeout":"1500"
"SaveMessageOnHangup":"false"
"SendMessageOnHangup":"1"
"SkipForwardTime":"5000"
"SkipReverseTime":"5000"
"UseShortPollForCache":"false"
"SearchByExtensionSearchSpaceObjectId":"877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByExtensionSearchSpaceURI":"/vmrest/searchspaces/877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByNameSearchSpaceObjectId":"877942bf-6600-4b7a-809d-159199cfc2ec"
"SearchByNameSearchSpaceURI":"/vmrest/searchspaces/877942bf-6600-4b7a-809d-159199cfc2ec"
"PartitionObjectId":"da2114bf-cde7-43d8-9709-cd3895a9d41b"
"PartitionURI":"/vmrest/partitions/da2114bf-cde7-43d8-9709-cd3895a9d41b"
"UseDynamicNameSearchWeight":"false"
```

```
  "LdapType":"0"
  "MwisURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/mwis"
  "NotificationDevicesURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/notificationdevices
  "MessageHandlersURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/messagehandlers"
  "ExternalServiceAccountsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/externalservice
  "AlternateExtensionsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/alternateextensions
  "PrivateListsURI":"/vmrest/users/6c91a90f-0771-492b-a7a5-083ea246a7e1/privatelists"
  "SmtpProxyAddressesURI":"/vmrest/smtpproxyaddresses?query=(ObjectGlobalUserObjectId%20is%206c91a
  "AlternateNamesURI":"/vmrest/alternatenames?query=(GlobalUserObjectId%20is%206c91a90f-0771-492b-
}

Response Code: 200
```

Creating a User

This request can be used to create a new user. The mandatory fields for creation of a user are alias and DtmfAccessId. The URI for getting user template alias is:

```
https://<connection-server>/vmrest/usertemplates.
```

The URI for getting MailboxStoreObjectId is:

```
https://<connection-server>/vmrest/mailboxstores.
```

The ObjectId field in the response body of above URI is used as MailboxStoreObjectId. Users can be created in two ways:

1. This creates the user using default mailbox store:

```
POST https://<connection-server>/vmrest/users?templateAlias=<usertemplatealias>
```

2. This creates the user using specified mailbox store object ID:

```
POST https://<connection-server>/vmrest/users?templateAlias=<usertemplateAlias>&MailboxStoreObject

<User>
  <Alias>texoma</Alias>
  <DtmfAccessId >123422</DtmfAccessId >
</User>
```

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
```

JSON Example

To create user, do the following:

```
POST https://<Connection-server>/vmrest/users?templateAlias=voicemailusertemplate
Accept: application/json
Content_type: application/json
Connection: keep_alive
Request Body:
{
  "Alias":"voicemailusertemplate1",
  "DisplayName":"Voice Mail User Template 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/users/f82b301d-1ec8-44c6-a3ee-0012269439bf
```

Updating a User

The following is an example of the PUT request that update details of a user:

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

<User>
  <Alias>Texoma</Alias>
  <UseShortPollForCache> true</UseShortPollForCache>
  <ListInDirectory>true </ListInDirectory>
  <SkipPasswordForKnownDevice>true </SkipPasswordForKnownDevice>
  <IsVmEnrolled> true</IsVmEnrolled>
  <RouteNDRToSender >true</RouteNDRToSender >
  <MediaSwitchObjectId>ec1e2636-fc14-44fc-8cda-d6c1a3d61150 </MediaSwitchObjectId>
  <DtmfAccessId>99934</DtmfAccessId>
  <PartitionObjectId>da2114bf-cde7-43d8-9709-cd3895a9d41b</PartitionObjectId>
  <CosObjectId>8ab2b94d-1531-4589-865f-27bd3eea8adc</CosObjectId>
  <SearchByExtensionSearchSpaceObjectId>877942bf-6600-4b7a-809d-159199cfc2ec</SearchByExtensionSea
</User>
```

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 details of a user:

```
PUT https://<connection-server>/vmrest/users/<user-objectid>
Accept: application/json
Content_type: application/json
Connection: keep_alive
Request Body:
{
  "DtmfAccessId":"123?
}
```

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 Language and TimeZone:

	UseCallLanguage	UseDefaultLanguage	Language
Use System Default Language	false	true	NULL/LanguageCode

Inherit Language from Caller	true	true/false	NULL/LanguageCode
Particular Language	false	false	Language Code

- URI for timezone:

```
https://<Connection-server>/vmrest/timezones
```

- URI for installed Languages:

```
https://<Connection-server>/vmrest/installedlanguages
```

- URI to get Language code:

```
https://<Connection-server>/vmrest/languagemap
```

```
<User>
 <UseDefaultTimeZone>false</UseDefaultTimeZone>
 <TimeZone>175</TimeZone>
 <UseDefaultLanguage>false</UseDefaultLanguage>
 <Language>1034</Language>
</User>

Response Code: 204
```

JSON Example

To update Language and Timezone

```
PUT https://<Connection-server>/vmrest/users/<user-objectid>
Accept: application/json
Content-type:  application/json
Connection: keep-alive
Request Body:
{
"UseDefaultTimeZone":"false",
 "TimeZone":175",
        "UseDefaultLanguage":"false",
 "Language":"1034"
}

Response Code: 204
```

Delete a User

The following is an example of the DELETE request that can be used to delete a user:

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

Response Code: 204
```

JSON Example

To delete a user, do the following:

```
DELETE https://<connection-server>/vmrest/users/<user-objectid>
Accept: application/json
```

```
Content-type: application/json
Connection: keep_alive

Response Code: 204
```

Explanation of Data Fields:

Field Name	Operation	Data Type	Description
Alias	Read/Write	String(64)	A unique text name of a user. Users enter the alias to sign in to the Cisco Personal Communications Assistant (Cisco PCA). The administrators enter the alias to sign in to Cisco Unity Connection Administration.
DisplayName	Read/Write	String(64)	Descriptive name of the user.
FirstName	Read/Write	String(64)	The first name (i.e., given name) of the user.
LastName	Read/Write	String(64)	The last name (i.e., surname or family name) of the user, by which a user is commonly known.
SmtpAddress	Read/Write	String(320)	The full SMTP address for the user
TimeZone	Read/Write	Integer(4)	The time zone to which this user account is associated. URI for timezone is: https://<Connection-server>/vmrest/timezones.
UseDefaultTimeZone	Read/Write	Boolean	Indicates if the default timezone is being used. Possible values: • true: if default time zone is to be used • false: to use specific time zone, if false is selected timezone should be also specified.
Language	Read/Write	Integer	The preferred language of this user. For a user with a voice mailbox, it is the language in which the subscriber hears instructions played to them. If the subscriber has TTS enabled by their class of service, it is the language used for TTS.
UseDefaultLanguage	Read/Write	Boolean	Set to true, if the call handler is using default language from the location it belongs to. If false, you need to specify the language, so set the particular language.
LdapType	Read/Write	Integer	The LDAP configuration information for the user. Possible Value: • 0-Do not Integrate with LDAP directory. • 1-Integrate with LDAP directory • 2-Authenticate

			• 4-Inactive Default Value: 0
LocationObjectId	Read Only	String(36)	The unique identifier of the LocationVMS object to which the user belongs to.
IsTemplate	Read Only	Boolean	A flag indicating whether this instance of a user object is a "template" for creating new users. Possible values: • true: if user template • false: if user Default Value: false
Initials	Read/Write	String(64)	The initial letters of some or all of the names of the user.
Title	Read/Write	String(64)	The position or function of a user within an organization, such as 'Vice President'.
EmployeeId	Read/Write	String(64)	The numeric or alphanumeric identifier assigned to a person, typically based on order of hire or association with an organization.
Address	Read/Write	String(128)	The physical address such as a house number and street name where the user is located, or with which a user is associated.
Building	Read/Write	String(64)	The name of the building where the user is based.
City	Read/Write	String(64)	The name of a locality, such as a city, county or other geographic region where the user is located, or with which a user is associated.
State	Read/Write	String(64)	The full name of the state or province where this user is located, or with which a user is associated.
PostalCode	Read/Write	String(40)	For users in the United States, the zip code where the user is located. For users in Canada, Mexico, and other countries, the postal code where the user is located.
Country	Read/Write	String(2)	The two-letter ISO 3166-1 country code where the user is located, or with which a user is associated. URI to fetch available country code: https://<Connection-server>/vmrest/languagemap. From the response fetch last 2 letter of the Languagetag parameter.
Department	Read/Write	String(64)	The name or number for the department or subdivision of an organization to which a person belongs to.

Manager	Read/Write	String(64)	The name of the person who is the manager or supervisor of the user. Any character except non-printing ASCII characters can be used here.
BillingId	Read/Write	String(32)	Accounting information or project code associated with the user. Any ASCII or Unicode character can be used here.
EmailAddress	Read/Write	String(320)	The corporate email address of the user.
DtmfAccessId	Read/Write	String(40)	The DTMF access id (i.e., extension) of the subscriber.
XferString	Read/Write	String(40)	The cross-server transfer extension. If NULL, the user's primary extension is used.
FaxServerObjectId	Read/Write	String(36)	The unique identifier of the FaxServer object for the subscriber.
PartitionObjectId	Read/Write	String(36)	The unique identifier of the partition associated with the user
MediaSwitchObjectId	Read/Write	String(36)	The unique identifier of the MediaSwitch object associated with the user
SearchByExtensionSearchSpaceObjectId	Read/Write	String(36)	The unique identifier of the SearchSpace which is used to limit the visibility to dialable/addressable objects when searching by extension (dial string).
SearchByNameSearchSpaceObjectId	Read/Write	String(36)	The unique identifier of the SearchSpace which is used to limit the visibility to dialable/addressable objects when searching by name (character string).
CosObjectId	Read/Write	String(36)	The unique identifier of the class of service object to which this user account is associated.
CallHandlerObjectId	Read/Write	String(36)	The unique identifier of the primary CallHandler object for the subscriber.
ScheduleSetObjectId	Read/Write	String(36)	The unique identifier of the schedule set Cisco Unity Connection will use for making standard versus off hours decisions within this call handler. **Note:** To update the ScheduleSetObjectId ,first go to the user URI, then go to the callhandler URI, and then update the scheduleset.
TenantObjectId	Read Only	String (36)	The unique identifier of the tenant to which the user belongs. This field is reflected in the response only if the user belongs to a particular tenant.
IsVmEnrolled	Read/Write	Boolean	A flag indicating whether Cisco Unity Connection plays the enrollment conversation

			(record a voice name, indicate if they are listed in the directory, etc.) for the subscriber when they login. Possible values: • false: The enrollment conversation is not played for the subscriber when they login. • true: The enrollment conversation is played for the subscriber when they login. Default value: true
SkipPasswordForKnownDevice	Read/Write	Boolean	A flag indicating whether the subscriber will be asked for his/her PIN when attempting to sign-in from a known device. Possible values: • false: Do not Skip PIN When Calling From a Known Extension • true: Skip PIN When Calling From a Known Extension Default value: false
ListInDirectory	Read/Write	Boolean	A flag indicating whether Cisco Unity Connection should list the subscriber in the phone directory for outside callers. Possible values: • false: Do not list in Directory • true: List in directory Default value: false
UseShortPollForCache	Read/Write	Boolean	A flag indicating whether the user's polling cycle for retrieving the calendar information will be the shorter "power user" polling cycle. Possible values: • false: The subscriber's polling cycle is determined by the system default polling cycle. (System configuration setting "Normal Calendar Caching Poll Interval"). • true: The shorter "power user" polling cycle is used. (System configuration setting "Short Calendar Caching Poll

			Interval"). Default value : false
RouteNDRToSender	Read/Write	Boolean	Flag indicating whether to Send Non-Delivery Receipts on Failed Message Delivery. Possible values: • true: Send Non-Delivery Receipts on Failed Message Delivery. • false: Do not Send Non-Delivery Receipts on Failed Message Delivery. Default value: true
Undeletable	Read Only	Boolean	Flag indicating whether a user cannot be deleted or not. Possible values: • true: For default users • false: For other created users
VoiceName	Read/Write	String(40)	The name of the WAV file containing the recorded audio (voice name, greeting, etc.) for the parent object.
DialablePhoneNumber	Read/Write	String(255)	The phone number of the fax machine that the user sends faxes to for printing.
PhoneNumber	Read Only	String(255)	The corporate Phone number.
CreateSmtpProxyFromCorp	Read/Write	Boolean	Flag indicating whether an SMTP proxy address matching the corporate e-mail address (column EmailAddress) should be created for the user. Possible values: • false: Do not create matching SMTP proxy address. • true: Create matching SMTP proxy address. Default value: false MailboxStoreName Read Only String Mailbox store name used by the user