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## About External Service Accounts

A user template may have zero or more unified messaging service accounts (also known as external service accounts). Examples of these services include Cisco Unified MeetingPlace 8.0, Exchange 2003, Exchange 2007, and Exchange 2010. Using CUPI for user templates, an administrator can:

- Retrieve a list of its unified messaging service accounts,
- Retrieve one of its unified messaging service accounts, and
- Change the password for one of its unified messaging service accounts

For information on minimum software required with this API, see

[Cisco Unity Connection Provisioning Interface \(CUPI\) API -- Basic User Template Information#Minimum Software](#)

## Listing External Service Accounts

To retrieve a list of unified messaging service accounts, use the GET method with URI:

```
https://<connection_server>/vmrest/usertemplates/usertemplateobject-id/templateexternalserviceaccounts
```

In the following example, the user has two unified messaging service accounts, Exchange2K3 and Exchange2K7:

```
GET https://<connection-server>/vmrest/usertemplates/<usertemplateobject-id>/externalserviceaccounts
```

```
<TemplateExternalServiceAccounts total="1">
<TemplateExternalServiceAccount>
  <URI>/vmrest/usertemplates/85a845d3-063d-4641-aa70-8b536282bffb/templateexternalserviceaccounts/
  <EmailAddressUseCorp>>false</EmailAddressUseCorp>
  <EnableCalendarCapability>>true</EnableCalendarCapability>
  <EnableMailboxSynchCapability>>true</EnableMailboxSynchCapability>
  <EnableMeetingCapability>>false</EnableMeetingCapability>
  <EnableTtsOfEmailCapability>>true</EnableTtsOfEmailCapability>
```

## Cisco\_Unity\_Connection\_Provisioning\_Interface\_(CUPI)\_API\_--\_User\_Template\_External\_Service\_Accounts

```
<ExternalServiceObjectId>26f20913-af8d-465a-8437-707028d376bd</ExternalServiceObjectId>
<IsPrimaryMeetingService>>false</IsPrimaryMeetingService>
<LoginType>0</LoginType>
<ObjectId>c4e7b01f-8b6e-4a08-9d57-856e81919c66</ObjectId>
<UserTemplateObjectId>85a845d3-063d-4641-aa70-8b536282bffb</UserTemplateObjectId>
<UserTemplateURI>/vmrest/usertemplates/85a845d3-063d-4641-aa70-8b536282bffb</UserTemplateURI>
<DisplayName>UMS_AP1111I</DisplayName>
<ServerType>4</ServerType>
<UserTemplateDisplayName>Template</UserTemplateDisplayName>
</TemplateExternalServiceAccount>
</TemplateExternalServiceAccounts>
```

Response Code: 200

For each unified messaging service account, CUPI returns the following information:

- **URI** - The URI for retrieving the unified messaging service account
- **IsEnabled** - A flag to indicate whether the unified messaging service account is enabled
- **UseServiceCredentials** - A flag to indicate whether service credentials or user credentials are used to sign in the unified messaging service account
- **LoginType** - A flag to indicate whether the user alias (0), a guest account (1), or a specified user ID (2) is used to sign in the account
- **UserId** - The user ID to sign in to the unified messaging service account, if one is used
- **ObjectId** - The unique ID of the unified messaging service account
- **Display Name** - The display name of the unified messaging service account

To retrieve a specific unified messaging service account, use the GET method with the URI field from above as follows:

```
GET http://<connection_server>/vmrest/usertemplates/<objectId>/templateexternalserviceaccounts/<objectId>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<TemplateExternalServiceAccount>
<URI>/vmrest/usertemplates/85a845d3-063d-4641-aa70-8b536282bffb/templateexternalserviceaccounts/<objectId>
<EmailAddressUseCorp>>false</EmailAddressUseCorp>
<EnableCalendarCapability>>true</EnableCalendarCapability>
<EnableMailboxSynchCapability>>true</EnableMailboxSynchCapability>
<EnableMeetingCapability>>false</EnableMeetingCapability>
<EnableTtsOfEmailCapability>>true</EnableTtsOfEmailCapability>
<ExternalServiceObjectId>26f20913-af8d-465a-8437-707028d376bd</ExternalServiceObjectId>
<IsPrimaryMeetingService>>false</IsPrimaryMeetingService>
<LoginType>0</LoginType>
<ObjectId>c4e7b01f-8b6e-4a08-9d57-856e81919c66</ObjectId>
<UserTemplateObjectId>85a845d3-063d-4641-aa70-8b536282bffb</UserTemplateObjectId>
<UserTemplateURI>/vmrest/usertemplates/85a845d3-063d-4641-aa70-8b536282bffb</UserTemplateURI>
<DisplayName>UMS_AP1111I</DisplayName>
<ServerType>4</ServerType>
<UserTemplateDisplayName>Template</UserTemplateDisplayName>
</TemplateExternalServiceAccount>
```

Response Code: 200

## Adding New External Service Account

The following is an example of the POST request that adds a Unified Messaging Account:

`https://<connection_server>/vmrest/usertemplates/<objectId>/templateexternalserviceaccounts/<obje`

The actual response will depend upon the information given by you. The following are the mandatory parameters that you need to enter to create a Unified Messaging Account:

```
<TemplateExternalServiceAccount>
<ExternalServiceObjectId>NewUnfiedServiceAccount </ExternalServiceObjectId>
<EnableCalendarCapability>true</EnableCalendarCapability>
<EnableTtsOfEmailCapability>true</EnableTtsOfEmailCapability>
<EnableMailboxSynchCapability>true</EnableMailboxSynchCapability>
</TemplateExternalServiceAccount>
```

`</pre> Response Code: 201 </pre>`

## Modifying External Service Account

The following is an example of the PUT request that modifies a Unified Messaging Account as represented by `<unifiedmessagingaccountid>`:

`https://<connection_server>/vmrest/usertemplates/<objectId>/ templateexternalserviceaccounts /<ob`

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

```
<TemplateExternalServiceAccount>
<EnableCalendarCapability>true</EnableCalendarCapability>
<EnableTtsOfEmailCapability>true</EnableTtsOfEmailCapability>
<EnableMailboxSynchCapability>true</EnableMailboxSynchCapability>
</TemplateExternalServiceAccount>
```

Response Code: 204

## Deleting External Service Account

The following is an example of the DELETE request that deletes a Unified Messaging Account as represented by `<externalserviceaccount-id>`:

`https://<connection_server>/vmrest/usertemplates/<template-object-id>/ templateexternalserviceacc`

The output for this request returns the successful response code.

Response Code: 204

## Explanation of Data Fields

The following chart lists all of the data fields available on External Service Accounts.

Field Name	Writable?	Available Value	Explanation / Comments
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EmailAddressUseCorp	Read/Write	True/False	Use Corporate Email Address
EnableCalendarCapability	Read/Write	True/False	Enables users to hear notification of upcoming meetings on the phone.
EnableMailboxSynchCapability read/write	Read/Write	True/False	Synchronizes voice messages in Connection and Exchange.
EnableMeetingCapability	Read-only	True/False	Enables Meeting Capability
EnableTtsOfEmailCapability	Read/Write	True/False	Enables users to access Exchange email messages by using text to speech.
ExternalServiceObjectId	Read-only	36 characters	Displays External Service ObjectId
IsPrimaryMeetingService read	Read-only	True/False	Displays Primary Meeting Service
LoginType	Read/Write	0-Login using user's Connection alias used for login 1- Login as guest 2-Login as UserId Base, Phone, Pager	Displays the type of login done by the
ObjectId	All	Read-only	ObjectId of the Device
UserTemplateURI	Read-only		Displays user template URI
UserTemplateObjectId	Read-only	36 characters	Displays user template ObjectId
DisplayName	All	Read/Write	Friendly name for the Device like "Mobile Phone"
ServerType	Read-only	1-MeetingPlace 8.x,4-Exchange/BPOS-D,5-Office 365	Displays the name of the external service account
UserTemplateDisplayName	Read-only	1-64 characters	Display Name for User Template.