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API Overview
Using CUTI for Basic Call Operations

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About Basic Call Operations

The basic call operations are making a call, checking call-connected status, and hanging up. The call object is used to convey information about a call (see API XSD's). Cisco Unity Connection 10.5(2) and later facilitates you to make a video call. A user will be able to establish a video call, if all the required pre-checks are satisfied, which are as follows:

- Mapping video service accounts: subscriber needs a video service configured with the video service account.
- Enabling Class of Service (COS) Settings for the subscriber

When making a call, the following fields are used:

- **number**: the only field that does not have a default value. Users with the system administrator role can call any number, but end users can call only those numbers that do not violate their associated restriction table, based on their class of service.
- **maximumRings**: defaults to 4.
- **mediaSwitchObjectId**: for end users, defaults to the phone system that is associated with the user. For users who do not have an associated phone system (for example, administrators), the phone system that is marked as the default TRAP phone system is used.
- **calltype**: indicates whether the call type is audio or video. If you do not specify the call type, then by default the call will be placed as an audio call only.

When a call has been placed, a client can get server information about the call, most importantly the connected status.

The following are HTTP commands for basic call operations:

POST http://<server>/calls:

Create a call (make a phone call) by using the information in a call object.
Returns a URI for the new call.

GET http://<server>/calls/<call id>: Get basic call information. Returns a call object.

DELETE http://<server>/calls/<call id>: Hangs up a call.

Playing and Recording by Using a Call

Files on the server can be played and recorded by phone (using the call control operations) by using the CallControl object (see API XSD's).

Note: Video record and play do not support the pause and resume operations.

Recording or Playing message can be paused and resumed (using the call control operations).The fields of the CallControl object are described below:

- **opType**: PLAY, RECORD, PAUSE, RESUME or STOP
- **resourceType**: MESSAGE, BROADCASTMESSAGE, STREAM, HANDLER, or URI. STREAM is generally a temporary resource created by a record operation.
- **resourceID**: Can be a message identifier, a broadcast message identifier or a stream identifier depending on the resource type.
- **Speed, volume** and **startPosition** are all optional parameters. Speed and volume are a percentage and default to 100. The start position indicates a time in milliseconds and defaults to 0.
- **lastResult**: The result of the last call control operation.
- **folderType**: Reserved. Only messages in the inbox can be played.
- **sessionId**: This is a reference of the video recording on the MediaSense Server using Record API. MediaSense uniquely identifies the recording using the sessionId.

A call control object is passed to a call by using a POST to the resource URI of the call:

Note: Max time limit for a paused call to be resumed will be idle time out.

POST http://<server>/vmrest/calls/<call id>

Examples

The examples below show how to: make a call, check call status, record by phone, play the recording, pause and resume the recording, hang up, and send the recording as a message. Each step is shown as the HTTP request and response.

Make the call

```
POST /vmrest/calls HTTP/1.1
Content-Type: application/json

Accept: application/json

User-Agent: Java/1.6.0_17

Host: cuc-install-67.cisco.com

Connection: keep-alive

Authorization: Basic
Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 36

{"number":"2119","maximumRings":"4"}
```

Response:

```
HTTP/1.1 201 Created
Set-Cookie:
JSESSIONIDSSO=CB2BE1D9771621DBEA24B479C1A9C10A; Path=/
Set-Cookie:
JSESSIONID=EB7C33B4DC0AAE91CB002D799C8734BA; Path=/vmrest
Location:
[http://cuc-install-67.cisco.com/vmrest/calls/vmrest/calls/1]
Content-Type: application/json
Transfer-Encoding: chunked

Date: Fri, 15 Jan 2010 15:14:11 GMT
Server:
```

Make the Video call

```
POST https://<connection-server>/vmrest/calls

<Call>
  <number>1096</number>
  <maximumRings>5</maximumRings>
  <callType>Video</callType>
</Call>
```

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/calls/66
CallType:video
```

JSON Example

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

```
POST /vmrest/calls HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic
Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 36
{"number":"1097","maximumRings":"4","callType":"video"}
```

Response:

```
HTTP/1.1 201 Created
Set-Cookie:
JSESSIONIDSSO=CB2BE1D9771621DBEA24B479C1A9C10A; Path=/
Set-Cookie:
JSESSIONID=EB7C33B4DC0AAE91CB002D799C8734BA; Path=/vmrest
Location:
[http://cuc-install-67.cisco.com/vmrest/calls/vmrest/calls/40/calltype:video]
Content-Type: application/json
```

Video Call Downgrade Scenarios

If a Video call gets downgraded to audio, user receives the following response:

Scenario 1

If a user does not have Video Service Account and try to make a video call, the following response is received:

```
Response Code: 201
/vmrest/calls/66
CallType: Audio
CallDowngradeReason: Video Service Account does not exist
```

Scenario 2

If a user does not have Video Service activated on Unity Connection and try to make a video call, the following response is received:

```
Response Code: 201
/vmrest/calls/66
CallType: Audio
CallDowngradeReason: Video Service not found
```

Scenario 3

If a user does not have Video enabled in Class of Service and try to make a video call, the following response is received:

```
Response Code: 201
/vmrest/calls/66
CallType: Audio
CallDowngradeReason: Not allowed to Playback and Record Video Greetings
```

Check call status

```
GET /vmrest/calls/1 HTTP/1.1
Accept: application/json
```

```
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
```

```
Connection: keep-alive
authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
```

Response:

```
HTTP/1.1 200 OK
Pragma: No-cache
Cache-Control: no-cache
Expires: Wed, 31 Dec 1969 16:00:00 PST
Set-Cookie: JSESSIONIDSSO=849167D3D61D2F30BA278BBF949FDF0F; Path=/
Set-Cookie: JSESSIONID=28A69142E490EC63A56690F9811BDDF9; Path=/vmrest
Content-Type: application/json
{"id":"1","connected":"true","nativeConnectionId":"2"}
```

Check Video call status

```
GET https://<connection-server>/vmrest/calls/<call-id>
```

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

Response Code: 200

```
<Call>
  <number>1007</number>
  <id>1105</id>
  <connected>true</connected>
  <callType>video</callType>
  <nativeConnectionId>16</nativeConnectionId>
</Call>
```

JSON Example

```
GET /vmrest/calls/1 HTTP/1.1
Accept: application/json
```

```
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
```

```
Connection: keep-alive
authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
```

Response:

```
HTTP/1.1 200 OK
Pragma: No-cache
Cache-Control: no-cache
Expires: Wed, 31 Dec 1969 16:00:00 PST
Set-Cookie: JSESSIONIDSSO=849167D3D61D2F30BA278BBF949FDF0F; Path=/
Set-Cookie: JSESSIONID=28A69142E490EC63A56690F9811BDDF9; Path=/vmrest
Content-Type: application/json
{"number":"1097","id":"40","connected":"true","callType":"video","nativeConnectionId":"45"}
```

Record by phone

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 15
{"op": "RECORD"}
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=8279B639488165EFFAC8D330FD2A1281; Path=/
Set-Cookie: JSESSIONID=AA008CFCC9B329EA961CD1E660384785; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:13 GMT
Server:
{"op": "RECORD", "resourceType": "STREAM", "resourceId": "cf1cb014-6394-4279-ab5a-74a6d680e440.wav",
"lastResult": "0", "speed": "100", "volume": "100", "startPosition": "0"}
```

Video Recording by phone

```
POST https://<connection-server>/vmrest/calls/<call-id>
```

```
<CallControl>
<op>RECORD</op>
</CallControl>
```

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

Response Code: 200

```
<CallControl>
  <op>RECORD</op>
  <resourceType>STREAM</resourceType>
  <resourceId>9d59b180-6147-4796-9488-014ef73203a0.wav</resourceId>
  <sessionId>3514637e02b471</sessionId>
  <lastResult>0</lastResult>
</CallControl>
```

JSON Example

```
POST /vmrest/calls/<call-id> HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 15
{"op": "RECORD"}
```

Response:

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```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=8279B639488165EFFAC8D330FD2A1281; Path=/
Set-Cookie: JSESSIONID=AA008CFCC9B329EA961CD1E660384785; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:13 GMT
Server:
1({"op":"RECORD","resourceType":"STREAM","resourceId":"a899bac7-9ee2-4c75-b3a7-e6a2a5d6d2dc.wav",
```

Pause the recording

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: ucba-aricent-vm5.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
{"op":"PAUSE"}
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=6A4C99C02E79D696A2DEC46C24A0B2DA; Path=/; Secure
Set-Cookie: JSESSIONID=1E642B010F5AD5630DE922B1378679DF; Path=/vmrest; Secure
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 01 Jun 2012 06:33:49 GMT
Server:

{"op":"PAUSE","lastResult":"0","speed":"100","volume":"100","startPosition":"0"}
```

Resume the recording

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: ucba-aricent-vm5.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
{"op":"RESUME"}
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=687E20DEFCC984797342E37A656A1F32; Path=/; Secure
Set-Cookie: JSESSIONID=48D31DBFCBAEF586F2A9398AB11204CC; Path=/vmrest; Secure
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 01 Jun 2012 06:34:25 GMT
Server:

{"op":"RESUME","lastResult":"0","speed":"100","volume":"100","startPosition":"0"}
```

Play the recording

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
```

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

```
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRTaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 159
```

```
{"op": "PLAY", "resourceType": "STREAM", "resourceId": "cf1cb014-6394-4279-ab5a-74a6d680e440.wav",
"lastResult": "0", "speed": "100", "volume": "100", "startPosition": "0"}
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
```

```
{"op": "PLAY", "resourceType": "STREAM", "resourceId": "cf1cb014-6394-4279-ab5a-74a6d680e440.wav",
"lastResult": "0", "speed": "100", "volume": "100", "startPosition": "0"}
```

Play Video recording

In a video call,

- For STREAM or URI resource type, if the Session ID is available, then the video recording will be played, else the audio recording will be played from the Audio resource-ID along with an image.
- For Message or Broadcast Message resource type, the audio recording will be played from the Audio resource-ID along with an image.
- If both sessionID and resource ID are not available, an error message is send to the user.

```
POST https://<connection-server>/vmrest/calls/<call-id>
```

```
Request:
<CallControl>
  <op>PLAY</op>
  <resourceType>STREAM</resourceType>
  <resourceId>1218f93a-2ce2-4987-9589-f8e06bd54a14.wav</resourceId>
  <sessionId>2f61469411d7131</sessionId>
  <lastResult>0</lastResult>
</CallControl>
```

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

```
Response: 200 Ok
<CallControl>
  <op>PLAY</op>
  <resourceType>STREAM</resourceType>
  <resourceId>1218f93a-2ce2-4987-9589-f8e06bd54a14.wav</resourceId>
  <sessionId>2f61469411d7131</sessionId>
  <lastResult>0</lastResult>
</CallControl>
```

JSON Example

Play the recording

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

Request:

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 159
```

```
{"op":"PLAY","resourceType":"STREAM","resourceId":"1218f93a-2ce2-4987-9589-f8e06bd54a14.wav","sess
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
```

```
1({"op":"PLAY","resourceType":"STREAM","resourceId":"1218f93a-2ce2-4987-9589-f8e06bd54a14.wav","se
```

Hang up

```
DELETE /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Accept: text/html, image/gif, image/jpeg, \*; q=.2, \*/\*; q=.2
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
```

Response:

```
HTTP/1.1 204 No Content
Pragma: No-cache
Cache-Control: no-cache
Expires: Wed, 31 Dec 1969 16:00:00 PST
Set-Cookie: JSESSIONIDSSO=93B286C6584533F9EE793A01E5804465; Path=/
Set-Cookie: JSESSIONID=0CCFFFCAD1C11A45EAD1E8F04B22D28D; Path=/vmrest
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
```

Send the recording as a message

```
POST /vmrest/messages?userobjectid=84c14db9-7439-4326-a2e2-e516aa192dff HTTP/1.1
Content-Type: multipart/form-data;boundary=Boundary_1_16617866_1263568442453
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 731
```

```
\--Boundary_1_16617866_1263568442453
Content-Type: application/json
{"Subject":"send message test","ArrivalTime":"0","FromSub":"false"}
\--Boundary_1_16617866_1263568442453
Content-Type: application/json
```

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_-_Using_CUTI_for_Basic_Call_Operations

```
{"Recipient":{"Type":"TO","Address":
{"UserGuid":"84c14db9-7439-4326-a2e2-e516aa192dff","DisplayName":"Operator"}
}}
\--Boundary_1_16617866_1263568442453
Content-Type: application/xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?><CallControl><op>PLAY</op><resourceType>STF
ab5a-74a6d680e440.wav</resourceId><lastResult>0</lastResult><speed>100</speed><volume>100</volume>

\--Boundary_1_16617866_1263568442453-\-
```

Response:

```
HTTP/1.1 202 Accepted
Set-Cookie: JSESSIONIDSSO=3D875CAE50B6B4947DEDCE5EDA119922; Path=/
Set-Cookie: JSESSIONID=842B1A6E53DAE329F6DA7525951668B4; Path=/vmrest
Content-Type: application/json
Content-Length: 0
Date: Fri, 15 Jan 2010 15:14:16 GMT
Server:
```

Play Greetings

Play Audio Greetings

Audio Greeting of users, user templates, call handler can be played using CUTI API. a)For a user with mailbox following should be the request:

```
Request:
POST https://<connection-server>/vmrest/calls/<call-id>
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
</CallControl>
```

```
Response:
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <speed>100</speed>
  <volume>100</volume>
  <startPosition>0</startPosition>
  <lastResult>0</lastResult>
</CallControl>
Response code:200 Ok
```

JSON Example

```
Request
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRTaW5pc3RyYXRvcjplyY3NidWxhYg==
Content-Length: 159
```

```
{"op":"PLAY","resourceType":"HANDLER","resourceId":"0bc5155b-0989-4523-a75a-948cc691b99e.wav","las
```

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

```
Response: HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
1({"op":"PLAY","resourceType":"HANDLER","resourceId":"0bc5155b-0989-4523-a75a-948cc691b99e.wav", "1
```

b) For a System administrator following should be the request:

In this case greeting of handler whose objectId ?handlerObjectId?is passed in request will be played.

```
POST https://<connection-server>/vmrest/calls/<call-id>?handlerObjectId=<handlerObjectId>
Request:
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
</CallControl>
```

```
Response:
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <speed>100</speed>
  <volume>100</volume>
  <startPosition>0</startPosition>
  <lastResult>0</lastResult>
</CallControl>
Response code:200   Ok
```

JSON Example

```
Request:
POST /vmrest/calls/1 ? handlerObjectId=<handlerObjectId>
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRTaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 159
```

```
{"op":"PLAY","resourceType":"HANDLER","resourceId":"1218f93a-2ce2-4987-9589-f8e06bd54a14.wav" }
```

```
Response:
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
1({"op":"PLAY","resourceType":"HANDLER","resourceId":"1218f93a-2ce2-4987-9589-f8e06bd54a14.wav", "1
```

Play Video Greetings

Video greeting of users, user templates, handler can be played using CUTI API. a)For a user with video

Play Audio Greetings

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

account following should be the request:

Request:

```
POST https://<connection-server>/vmrest/calls/<call-id>
```

```
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <sessionId>55d146ced50d1</sessionId>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <lastResult>0</lastResult>
</CallControl>
```

Response:

```
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <sessionId>55d146ced50d1</sessionId>
  <lastResult>0</lastResult>
</CallControl>
Response code:200   Ok
```

JSON Example

Request:

```
POST /vmrest/calls/1 HTTP/1.1
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRTaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 159
```

```
{ "op": "PLAY", "resourceType": "HANDLER", "resourceId": "1218f93a-2ce2-4987-9589-f8e06bd54a14.wav", "ses
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
```

```
1({ "op": "PLAY", "resourceType": "HANDLER", "resourceId": "1218f93a-2ce2-4987-9589-f8e06bd54a14.wav", "s
```

b) For a System administrator following should be the request: In this case video greeting of handler, whose objectId ?handlerObjectId?is passed in request will be played.

```
POST https://<connection-server>/vmrest/calls/<call-id>?handlerObjectId=<handlerObjectId>
```

Request:

```
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <sessionId>55d146ced50d1</sessionId>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <lastResult>0</lastResult>
</CallControl>
```

Response:

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

```
<CallControl>
  <op>PLAY</op>
  <resourceType>HANDLER</resourceType>
  <resourceId>0bc5155b-0989-4523-a75a-948cc691b99e.wav</resourceId>
  <sessionId>55d146ced50d1</sessionId>
  <lastResult>0</lastResult>
</CallControl>
Response code:200   Ok
```

JSON Example

Request:

```
POST /vmrest/calls/1 ? handlerObjectId=<handlerObjectId>
Content-Type: application/json
Accept: application/json
User-Agent: Java/1.6.0_17
Host: cuc-install-67.cisco.com
Connection: keep-alive
Authorization: Basic Y2NtYWRTaW5pc3RyYXRvcjplY3NidWxhYg==
Content-Length: 159
```

```
{"op": "PLAY", "resourceType": "HANDLER", "resourceId": "1218f93a-2ce2-4987-9589-f8e06bd54a14.wav", "ses
```

Response:

```
HTTP/1.1 200 OK
Set-Cookie: JSESSIONIDSSO=CD7B1064CEB9385B6FE9279ECBDB40E3; Path=/
Set-Cookie: JSESSIONID=201BD26E840AA2CEEC242A9CCD0FE8F6; Path=/vmrest
Content-Type: application/json
Transfer-Encoding: chunked
Date: Fri, 15 Jan 2010 15:14:15 GMT
Server:
```

```
1({"op": "PLAY", "resourceType": "HANDLER", "resourceId": "1218f93a-2ce2-4987-9589-f8e06bd54a14.wav", "s
```

3) Add new Resource Type: HANDLER in section? Playing and Recording by Using a Call?.

Save Video Greetings

Unity Connection allows you to save video greetings using both GET and PUT requests.

Example of GET Request

```
GET http://<connection-server>/vmrest/handlers/callhandlers/<call handler object ID>/greetings/<g
```

The following is the response of the above GET command and the output may vary depending on your inputs.

```
Response: 200
<CallControl>
  <resourceId>aad91d6d-aeca-4a72-8069-b656efb3041f.wav</resourceId>
  <sessionId>570146ed1504cb1</sessionId>
</CallControl>
```

JSON Example

Request

```
GET vmrest/handlers/callhandlers/30600b21-1a4c-47a3-a078-8078984e5376/greetings/Standard/greeting
Accept: application/json
User-Agent: Java/1.6.0_17
```

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

```
Host: <connection-server>
Connection: keep-alive
authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg=
```

Response

```
HTTP/1.1 201
Content-Type: application/json
Date: Fri, 15 Jan 2010 15:14:11 GMT
Server:
{ ?resourceId? :? aad91d6d-aeca-4a72-8069-b656efb3041f.wav?, ?sessionId? : ?570146ed1504cb1?}
```

Example of PUT Request

```
PUT http://<connection-server>/vmrest/handlers/callhandlers/<call handler object ID>/greetings/<gr
```

```
<CallControl>
  <resourceId>aad91d6d-aeca-4a72-8069-b656efb3041f.wav</resourceId>
  <sessionId>570146ed1504cb1</sessionId>
</CallControl>
```

Response: 201 OK

JSON Example

Request

```
PUT vmrest/handlers/callhandlers/30600b21-1a4c-47a3-a078-8078984e5376/greetings/Standard/greeting
Content-Type: application/json
Accept: application/json
Host: <connection-server>
Connection: keep-alive
authorization: Basic Y2NtYWRtaW5pc3RyYXRvcjplY3NidWxhYg==
```

```
{ ?resourceId? :? aad91d6d-aeca-4a72-8069-b656efb3041f.wav?, ?sessionId? : ?570146ed1504cb1?}
```

Response :

```
HTTP/1.1 201
Content-Type: application/json
Date: Fri, 15 Jan 2010 15:14:11 GMT
Server:
```

Example of Data Fields

Field Name	Data Type	Operation	Description
number	Integer	Read/Write Only	The user extension where the caller want to place a call.
maximumRings	Integer	Read/Write	The maximum number of phone rings when a call is placed and if the call is not picked, the caller will get ring-no-answer message. Default value: 4.
mediaSwithObjectid	String	Read Only	The unique identifier of the MediaSwitch object that Cisco Unity Connection uses for placing the call to the subscriber phone.
callType	String	Read/Write	Displays whether the call type is audio or video.

Example of GET Request

Cisco_Unity_Connection_Telephony_Interface_(CUTI)_API_--_Using_CUTI_for_Basic_Call_Operations

callId	Integer	Read Only	The unique identifier of the call that Cisco Unity Connection uses for placing the call to the subscriber phone.
connected	Boolean	Read Only	Displays whether the subscriber is connected to a call or not.
nativeConnectionId	Integer	Read Only	The unique identifier of the call created by Unity Connection.
sessionId	String	Read/Write	This is a reference of the video recording on the MediaSense Server using Record API. MediaSense uniquely identifies the recording using the sessionId.