



Poly VideoOS REST API Reference Guide

SUMMARY

This guide provides software developers with information about developing applications that allow a client programmable access to the featured product.

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1 Before You Begin

This guide describes the REST (Representational State Transfer) API feature, which provides a convenient, scalable, portable, and reliable API for interacting with Poly video systems, enabling users to execute certain functions and retrieve information.

The information this guide applies to all of the following Poly video systems:

- Poly Studio G62
- Poly G7500
- Poly Studio X72
- Poly Studio X70
- Poly Studio X52
- Poly Studio X50
- Poly Studio X30
- Poly Studio X32

Prerequisite Information

Before you begin working with the REST API, note the following:

- The REST API feature is never disabled.
- Administrator credentials are required for access authentication before REST API commands can be sent. Poly recommends changing the default administrator password before using the REST API.
- You need a session ID using `/rest/session/` to pass API commands to the system.
- All request and response bodies should be processed as JSON formatted data, unless specifically stated otherwise.
- The REST API cannot accept more than 10 MB of data.

Audience and Purpose of This Guide

The primary audience for this manual is systems integrators who intend to enable configuration and management of the system features through integrated systems. This manual is not intended for end users.

2 REST API Commands

This section describes the configuration parameters and API commands for Poly VideoOS version 4.4.0.

Commands and Structure

Audio

Table 2-1 audio

Description	This API provides details about the systems audio information.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/audio
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "muteLocked": false, "muted": true, "numOfMicsConnected": 1, "volume": 62 }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-2 audio

Description	This API performs an audio action on the system related to pressed DTMF characters.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/audio
Input and Output Syntax	JSON
Access Level	Admin

Table 2-2 audio (continued)

Input	Body: <pre>{ "action": <string>, "dtmfChar": <string>, "speaker": <string> }</pre> action - The action to complete on the system. Valid strings include "start", "playDTMF", "playTestTone", "stopPlayingTestTone", and "itpSegmentDetection". dtmfChar - Characters provided as the DTMF keypad input. speaker - The speaker selection that plays the tone. Valid strings include "SPEAKER_LEFT", "SPEAKER_RIGHT", and "SPEAKER_BOTH".
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-3 audio/acousticfence

Description	This API performs acoustic fence actions and broadcasts audio fence indicators.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/audio/acousticfence
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "action": <string>, "dtmfChar": <string>, "speaker": <string> }</pre> action - The action to complete on the system. Valid strings include "start", "playDTMF", "playTestTone", "stopPlayingTestTone", and "itpSegmentDetection". dtmfChar - Characters provided as the DTMF keypad input. speaker - The speaker selection to play the tone. Valid strings include "SPEAKER_LEFT", "SPEAKER_RIGHT", and "SPEAKER_BOTH".
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-4 audio/audiometers

Description	This API provides system audio meter information.
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Table 2-4 audio/audiometers (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/audio/audiometers
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-4 audio/audiometers (continued)

Output	Body:
	<pre> { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": -1, "nameInstance": -1, "portDirection": "IN", "portInstance": 0, "portName": "FAR_IN", "validChanMode": "left_and_right" }, { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": -1, "nameInstance": -1, "portDirection": "IN", "portInstance": 1, "portName": "CAMERA_MIC", "validChanMode": "left_and_right" }, { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": 1, "nameInstance": 1, "portDirection": "IN", "portInstance": 2, "portName": "IP_TABLE_MIC", "validChanMode": "left_and_right_and_center" }, { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": 2, "nameInstance": 2, "portDirection": "IN", "portInstance": 3, "portName": "POLYCOM_MIC", "validChanMode": "left_and_right_and_center" }, { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": 3, "nameInstance": 3, "portDirection": "IN", "portInstance": 4, "portName": "POLYCOM_MIC", "validChanMode": "left_and_right_and_center" }, { "isValid": false, "levelBack": -20, "levelCenter": -20, "levelLeft": -20, "levelRight": -20, "meterIndex": 4, "nameInstance": 4, "portDirection": "IN", "portInstance": 5, "portName": "POLYCOM_MIC", "validChanMode": "left_and_right_and_center" } </pre>

Table 2-4 audio/audiometers (continued)

Applicable return codes	200 OK, 500 Server Error
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Table 2-5 audio/microphones

Description	This API provides the list of microphones with relevant information for each one.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/audio/microphones
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "number": 0, "mute": "boolean", "type": 0, "typeInString": "Polycom IP Table Microphone", "hwVersion": "string", "swVersion": "string", "parentID": 0, "state": "MIC_STATE_GREEN" }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-6 audio/muted

Description	This API provides the microphone mute status.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/audio/muted
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <boolean>
Applicable return codes	200 OK, 500 Server Error

Table 2-7 audio/muted

Description	This API performs an audio action on the system to mute or unmute microphones. NOTE: When you enable Enable Mic Mute in Sleep Mode , you can't unmute the microphones while the system is asleep. You can't unmute the system using any method including CLI or REST API commands
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/audio/muted
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <boolean> <boolean> - True mutes the microphones. False unmutes the microphones.
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-8 audio/volume

Description	This API provides information on the microphone volume level.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/audio/volume
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <integer>
Applicable return codes	200 OK, 500 Server Error

Table 2-9 audio/volume

Description	This API performs an audio action on the system to set volume level.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/audio/volume
Input and Output Syntax	JSON
Access Level	Admin

Table 2-9 audio/volume (continued)

Input	Body: <integer> <integer> - An integer representing the volume level.
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Calendar

Table 2-10 calendar

Description	This API provides the status of the meetings calendar server.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/calendar
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ Status: "ONLINE" }</pre> Valid status strings include DISABLED, OFFLINE, ONLINE, CONNECTING, ERR_AUTHENTICATION, and ERR_UNKNOWN.
Applicable return codes	200 OK, 500 Server Error

Table 2-11 calendar/meetings

Description	This API provides a list of meetings in the calendar. The query parameters may specify either a start and end time range, or a maximum number of upcoming events from the current time. The default query is to return all upcoming meetings within 24 hours from the current time.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/calendar/meetings
Input and Output Syntax	JSON
Access Level	Admin

Table 2-11 calendar/meetings (continued)

Input	The following query parameters are accepted: <pre>?number=<integer> ?start=<number>&end=<number></pre> Example Queries: <pre>/rest/calendar/meetings ?number=<integer> /rest/calendar/meetings?start=<number>&end=<number></pre> number=<integer> - An integer representing the maximum number of meeting items to return. Can't be combined with start and end parameters. start=<number> - The number representing the meeting query start time, in seconds since the epoch (1/1/1970 GMT). The default is the current time. end=<number> - The number representing the meeting query end time, in seconds since the epoch (1/1/1970 GMT). The default is 24 hours after start time.
Output	Body: <pre>{ "actions": ["sip:####@gatewayaddress.com", "h323:####@gatewayaddress.com ", ""], "body": "", "canDial": true, "canceled": false, "duration": 3600, "id": "unique meeting ID string", "inCall": false, "location": "location string", "optionalAttendees": [string], "organizer": "organizer string", "privateMeeting": false, "recurring": true, "requiredAttendees": ["unique attendee", "unique attendee"], "startTime": 1572274800, "subject": "subject string", "lastSyncTime": 1572277393 }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-12 calendar/meetings/{meetingId}

Description	This API provides details for a single meeting in the calendar.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/calendar/meetings/<meetingId>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-12 calendar/meetings/{meetingId} (continued)

Input	The following query parameters are accepted: < meetingId> meetingId - The unique meeting identifier to retrieve from the calendar.
Output	Body: <pre>{ "actions": ["sip:####@gatewayaddress.com", "h323:####@gatewayaddress.com ", ""], "body": "", "canDial": true, "canceled": false, "duration": 3600, "id": "unique meeting ID string", "inCall": false, "location": "location string", "optionalAttendees": [string], "organizer": "organizer string", "privateMeeting": false, "recurring": true, "requiredAttendees": ["unique attendee", "unique attendee"], "startTime": 1572274800, "subject": "subject string", "lastSyncTime": 1572277393 }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-13 calendar/meetings/{meetingId}

Description	This API dials the calendar meeting specified by meetingId.
Protocol and Method	Protocol: HTTPS
	Method: POST
	Path: /rest/calendar/meetings/<meetingId>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < meetingId> meetingId - The unique meeting identifier to retrieve from the calendar.

Table 2-13 calendar/meetings/{meetingId} (continued)

Output	Body: <pre>{ "connectionId": 1, "success": true }</pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-14 calendar/discover

Description	This API retrieves information about the calendar server based on the specified e-mail address and credentials.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/calendar/discover
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "domain": <string>, "email": <string>, "username": <string>, "password": <string>, "userdomain": <string> }</pre> domain - The domain discovery method. Valid strings include "sip" and "email". If SIP is configured, the system attempts to discover the calendar server using the system's configured SIP username, versus using the specified e-mail address. email - The e-mail address of the account that displays calendaring information. username - The user name credential of the account that displays calendaring information. password - The password credential of the account that displays calendaring information. userdomain - The domain of the account that displays calendaring information.
Output	Body: <pre>{ "error": "NOERROR", "serverUrl": "server address string" }</pre>
Applicable return codes	200 OK, 500 Server Error

Cameras

Table 2-15 cameras/sourceselectable

Description	This API provides the selection availability of the near source camera.
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Table 2-15 cameras/sourceselectable (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/cameras/sourceselectable
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body:
	true
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-16 cameras/contentstatus

Description	This API provides the system content status.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/cameras/contentstatus
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body:
	"CONTENT_IDLE"
Applicable return codes	200 OK, 500 Server Error

Table 2-17 cameras/near/all

Description	This API provides the index number and information for all near camera sources.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/cameras/near/all
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-17 cameras/near/all (continued)

Output	Body:
	<pre> { "cameraIndex": 1, "iconName": null, "model": "", "name": "Main", "sessionID": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false }, { "cameraIndex": 2, "iconName": null, "model": "", "name": "Aux", "sessionID": 0, "sourceType": "SRC_CONTENT", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false }, { "cameraIndex": 3, "iconName": null, "model": "EAGLEEYE_CUBE_USB", "name": "EagleEye Cube USB", "sessionID": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": true, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": true, "hasTilt": true, "hasZoom": true, "nearCamera": true, "ptzcapable": true, "selected": true, "trackable": true } </pre>

Table 2-17 cameras/near/all (continued)

Applicable return codes	200 OK, 500 Server Error
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cameras/near/people

Description	This API provides the index number and information for all near people camera sources.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/people
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Output**Body:**

```
[
  {
    "cameraIndex": 1,
    "iconName": null,
    "model": "",
    "name": "Main",
    "sessionID": 0,
    "sourceType": "SRC_PEOPLE",
    "stateAutoFocus": "off",
    "stateFreeze": "off",
    "stateMarker": "off",
    "connected": false,
    "hasAutoFocus": false,
    "hasFocus": false,
    "hasFreeze": false,
    "hasMarker": false,
    "hasPan": false,
    "hasTilt": false,
    "hasZoom": false,
    "nearCamera": true,
    "ptzcapable": false,
    "selected": false,
    "trackable": false
  },
  {
    "cameraIndex": 3,
    "iconName": null,
    "model": "EAGLEEYE_CUBE_USB",
    "name": "EagleEye Cube USB",
    "sessionID": 0,
    "sourceType": "SRC_PEOPLE",
    "stateAutoFocus": "off",
    "stateFreeze": "off",
    "stateMarker": "off",
    "connected": true,
    "hasAutoFocus": false,
    "hasFocus": false,
    "hasFreeze": false,
    "hasMarker": false,
    "hasPan": true,
    "hasTilt": true,
    "hasZoom": true,
    "nearCamera": true,
    "ptzcapable": true,
    "selected": true,
    "trackable": true
  }
]
```

Applicable return codes

200 OK, 500 Server Error

Table 2-18 cameras/near/content

Description	This API provides the index number and information for all near content camera sources.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/content
Input and Output Syntax	JSON
Access Level	Admin

Table 2-18 cameras/near/content (continued)

Input	None
Output	Body: <pre>[{ "cameraIndex": 3, "iconName": null, "model": "EAGLEEYE_CUBE_USB", "name": "EagleEye Cube USB", "sessionId": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": true, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": true, "hasTilt": true, "hasZoom": true, "nearCamera": true, "ptzcapable": true, "selected": true, "trackable": true }]</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-19 cameras/near/{sourceID}

Description	This API provides information for the near camera specified by sourceID.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/<sourceID>
Input and Output Syntax	JSON
Access Level	Admin
Input	< sourceID> sourceID - The unique identifier for the camera index.

Table 2-19 cameras/near/{sourceID} (continued)

Output	Body: <pre> { "cameraIndex": 2, "iconName": null, "model": "", "name": "Aux", "sessionID": 0, "sourceType": "SRC_CONTENT", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false } </pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-20 cameras/near/{sourceID}

Description	This API performs the move operation for the near camera specified by <code>sourceID</code> . After sending <code>moveStart</code> you must then send <code>moveStop</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/near/<sourceID>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-20 cameras/near/{sourceID} (continued)

Input	The following query parameters are accepted: < sourceID> sourceID - The unique identifier for the camera index. Body: <pre>{ "action": <string>, "direction": <string>, "message": <string>, "withImage": <string> }</pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "LEFT", "RIGHT", "UP", "DOWN", "ZOOMIN", "ZOOMOUT", "FOCUSNEAR", and "FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

cameras/near/selectedpeople

Description	This API provides information for the selected near people camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/selectedpeople
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Output	Body: <pre> { "cameraIndex": 3, "iconName": null, "model": "EAGLEEYE_CUBE_USB", "name": "EagleEye Cube USB", "sessionId": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": true, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": true, "hasTilt": true, "hasZoom": true, "nearCamera": true, "ptzcapable": true, "selected": true, "trackable": true } </pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-21 cameras/near/selectedpeople

Description	This API performs the move operation for the selected near people camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/near/selectedpeople
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre> { "action": <string>, "direction": <string>, "message": <string>, "withImage": <string> } </pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "MOVE_LEFT", "MOVE_RIGHT", "MOVE_UP", "MOVE_DOWN", "MOVE_ZOOMIN", "MOVE_ZOOMOUT", "MOVE_FOCUSNEAR", and "MOVE_FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None

Table 2-21 cameras/near/selectedpeople (continued)

Applicable return codes	200 OK, 500 Server Error
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cameras/near/selectedcontent

Description	This API provides information for the selected near content camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/selectedcontent
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "cameraIndex": 2, "iconName": null, "model": "", "name": "Aux", "sessionID": 0, "sourceType": "SRC_CONTENT", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-22 cameras/near/selectedcontent

Description	This API performs the move operation for the selected near content camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/near/selectedcontent
Input and Output Syntax	JSON
Access Level	Admin

Table 2-22 cameras/near/selectedcontent (continued)

Input	Body: <pre>{ "action": <string>, "direction": <string>, "message": <string>, "withImage": <string> }</pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "MOVE_LEFT", "MOVE_RIGHT", "MOVE_UP", "MOVE_DOWN", "MOVE_ZOOMIN", "MOVE_ZOOMOUT", "MOVE_FOCUSNEAR", and "MOVE_FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None
Applicable return codes	200 OK, 500 Server Error

cameras/near/presets/all

Description	This API provides the list of near camera presets.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/presets/all
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Output	Body: <pre>[{ "imageLocation": <string>, "index": 1, "sessionId": 0, "near": true, "stored": true }, { "imageLocation": <string>, "index": 2, "sessionId": 0, "near": true, "stored": true }, { "imageLocation": <string>, "index": 3, "sessionId": 0, "near": true, "stored": true }]</pre>
Applicable return codes	200 OK, 500 Server Error

cameras/near/presets/{index}

Description	This API provides the near camera presets information for a specified camera stored in the index.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/near/presets/<index>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <index> index - The unique identifier of the near camera to retrieve from the index.
Output	Body: <pre>{ "imageLocation": <string>, "index": 1, "sessionId": 0, "near": true, "stored": true }</pre>
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

cameras/near/presets/{index}

Description	This API updates the near camera presets information for a specified camera stored in the index.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/near/presets/<index>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < index> index - The unique identifier of the near camera to retrieve from the index. Body: <pre>{ "action": <string>, "direction": <string>, "message": "string", "withImage": <string> }</pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "MOVE_LEFT", "MOVE_RIGHT", "MOVE_UP", "MOVE_DOWN", "MOVE_ZOOMIN", "MOVE_ZOOMOUT", "MOVE_FOCUSNEAR", and "MOVE_FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

cameras/near/position/{sourceID}

Description	This API performs the move operation for the selected near camera source, using the exact given coordinates or the coordinates as an offset from the current position.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/near/position/<sourceID>
Input and Output Syntax	JSON
Access Level	Admin

Input	The following query parameters are accepted: < sourceID> sourceID - The available value is SELECTED_PEOPLE. Body: <pre>{ "camPosition": { "pan": <integer>, "tilt": < integer>, "zoom": <integer>, }, "relative": <boolean> }</pre> pan - Pan coordinate ranges from -50000 to +50000. tilt - Tilt coordinate ranges from -50000 to +50000. zoom - Zoom coordinate ranges from -50000 to +50000. relative - True sets the given coordinates. False sets an offset of the given coordinates from current position.
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-23 cameras/far/all

Description	This API provides the list and information for all far camera sources.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/far/all
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-23 cameras/far/all (continued)

Output	Body:
	<pre>[{ "cameraIndex": 1, "iconName": null, "model": "", "name": "Main", "sessionId": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false }]</pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

cameras/far/selectedpeople

Description	This API provides information for the selected far people camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/far/selectedpeople
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Output	Body: <pre> { "cameraIndex": 3, "iconName": null, "model": "EAGLEEYE_CUBE_USB", "name": "EagleEye Cube USB", "sessionID": 0, "sourceType": "SRC_PEOPLE", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": true, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": true, "hasTilt": true, "hasZoom": true, "nearCamera": true, "ptzcapable": true, "selected": true, "trackable": true } </pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-24 cameras/far/selectedpeople

Description	This API performs the move operation for the selected far people camera source.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/far/selectedpeople
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre> { "action": <string>, "direction": <string>, "message": <string>, "withImage": <string> } </pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "MOVE_LEFT", "MOVE_RIGHT", "MOVE_UP", "MOVE_DOWN", "MOVE_ZOOMIN", "MOVE_ZOOMOUT", "MOVE_FOCUSNEAR", and "MOVE_FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None

Table 2-24 cameras/far/selectedpeople (continued)

Applicable return codes	200 OK, 400 Bad Request, 500 Server Error
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Table 2-25 cameras/far/{sourceID}

Description	This API provides information for the far camera specified by <code>sourceID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/far/<sourceID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < sourceID> sourceID - The unique identifier for the camera index.
Output	Body: <pre>{ "cameraIndex": 2, "iconName": null, "model": "", "name": "Aux", "sessionID": 0, "sourceType": "SRC_CONTENT", "stateAutoFocus": "off", "stateFreeze": "off", "stateMarker": "off", "connected": false, "hasAutoFocus": false, "hasFocus": false, "hasFreeze": false, "hasMarker": false, "hasPan": false, "hasTilt": false, "hasZoom": false, "nearCamera": true, "ptzcapable": false, "selected": false, "trackable": false }</pre>
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-26 cameras/far/{sourceID}

Description	This API performs the move operation for the far camera specified by <code>sourceID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/cameras/far/<sourceID>

Table 2-26 cameras/far/{sourceID} (continued)

Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < sourceID> sourceID - The unique identifier for the camera index. Body: <pre>{ "action": <string>, "direction": <string>, "message": <string>, "withImage": <string> }</pre> action - Controls either the selected near people camera or controls the near people camera preset. Valid strings are "moveStart", "moveStop", "store", "clear", and "activate". direction - Defines the camera direction for action moveStart. Valid strings are "MOVE_LEFT", "MOVE_RIGHT", "MOVE_UP", "MOVE_DOWN", "MOVE_ZOOMIN", "MOVE_ZOOMOUT", "MOVE_FOCUSNEAR", and "MOVE_FOCUSFAR". message - Defines the camera to select. Valid strings are "LeftCamera", "RightCamera", and "BothCamera". withImage - Defines whether or not to store camera presets with an image. Valid strings are "Yes" and "No".
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-27 cameras/snapshot/{snapshotID}

Description	This API returns a stored snapshot specified by snapshotID.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/cameras/snapshot/<snapshotID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < snapshotID> snapshotID - The available values are near_image_1.jpg, far_image_1.jpg, or content_image_1.jpg.
Output	None

Table 2-27 cameras/snapshot/{snapshotID} (continued)

Applicable return codes	200 OK, 400 Bad Request, 500 Server Error
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Collaboration

Table 2-28 collaboration

Description	This API provides the current state of the collaboration session.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/collaboration
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "sessionId": <string>, "sessionState": "ACTIVE" }</pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-29 collaboration

Description	This API performs an action on the active collaboration session.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/collaboration
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "action": <string>, }</pre> action- The action to perform on the collaboration session. The only valid string is "END".
Output	None
Applicable return codes	200 OK, 204 No Content, 400 Bad Request, 500 Server Error

Table 2-30 collaboration/content

Description	This API returns a context ID and begins the content save process.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/collaboration/content
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: ?pin=<string> Example Query: /rest/collaboration/ content?pin=<string> pin=<string> - The room pin to authorize access to content session
Output	Body: { "context_id": "1572362187453" }
Applicable return codes	200 OK, 204 No Content, 403 Forbidden, 500 Server Error

Table 2-31 collaboration/content

Description	This API provides previously saved content as an attachment, using context_id from the collaboration/content POST command.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/collaboration/content
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: ?pin=<string>&context-id=<string> Example Query: /rest/collaboration/content ?pin=<string>&context-id=<string> pin=<string> - The room pin to authorize access to content session. context-id=<string> - The context_id provided from the collaboration/content POST command.
Output	None
Applicable return codes	200 OK, 204 No Content, 500 Server Error

Table 2-32 collaboration/contentsavestatus

Description	This API provides the content save enable/disable status.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/collaboration/contentsavestatus
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: ?pin=<string>&context-id=<string> Example Query: <pre>/rest/collaboration/content savestatus?pin=<string>&status=<string></pre> pin=<string> - The room pin to authorize access to content session. status=<string> - True enables save. False disables save.
Output	None
Applicable return codes	200 OK, 500 Server Error

Table 2-33 collaboration/content/all

Description	This API provides and downloads a ZIP file containing saved content from the active collaboration session.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/collaboration/content/all
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: ?pin=<string> Example Query: <pre>/rest/collaboration/content/ all?pin=<string></pre> pin=<string> - The room pin to authorize access to content session.
Output	None
Applicable return codes	200 OK, 204 No Content, 403 Forbidden, 500 Server Error

Conferences

Table 2-34 conferences

Description	This API provides a list of all current conference calls on the system.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-34 conferences (continued)

Output	Body:
	<pre> [{ "capabilities": { "canAcquireChair": false, "canAcquireFloor": false, "canAddTerminal": false, "canAddVideo": false, "canBlastDial": false, "canEscalateCall": false, "canGetRoster": false, "canHangupConference": true, "canHoldConf": false, "canJoinCCCP": false, "canJoinChairControlConf": false, "canJoinInternalConf": false, "canJoinMRC": false, "canLeaveConference": true, "canMuteConference": false, "canMuteTerminal": false, "canPresent": true, "canRemoveTerminal": true, "canShowCloseWide": false, "canSupportSecurityClassification": false, "cannotJoinConf": false }, "connections": [{ "address": "#####@gatewayaddress.com", "answerable": false, "authState": "NONE", "callInfo": "SIP", "callType": "SIP", "canAddVideo": false, "causeCode": 0, "duration": 16, "encrypted": true, "groupname": "", "grouptype": "NONE", "id": "2", "incoming": false, "mediaCount": 0, "mediaType": "AUDIOVIDEO", "parentConfId": "0", "percentConnected": 100, "rate": 2048, "referredBy": "", "startTime": 1572444157000, "state": "CONNECTED", "terminals": [{ "href": "/rest/conferences/0/terminals/1", "rel": "item" }], "type": "MCU", "videoEscalationState": "NONE" }], "duration": 16, "holdStartTime": 0, "holdState": "NOTHELD", "id": "0", "isActive": true, "isHolding": false, "isMute": false, "isSvcConference": false, "isWaitingInLobby": false, "mediaServerControlEvent": "MediaServerUnknown", "mediaServerType": "MediaUnknown", "parentTime": 1572444157000 }] </pre>

Table 2-34 conferences (continued)

Applicable return codes	200 OK, 500 Server Error
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Table 2-35 conferences

Description	This API performs a single participant conference call.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/conferences
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "address": <string>, "rate": <integer>, "dialType": <string>, "password": <string> }</pre> address - The address, hostname, or URI to dial. rate - An integer representing the call bitrate. dialType - The type of call specified in a conference dial request. Not all types may be supported on a given system. Valid strings include "LOOPBACK", "AUTO", "VIDEO", "VOICE", "H320", "H323", "SIP", "GATEWAY", "POTS", "ISDN_VOICE", "SIP_SPEAKERPHONE", "POTS_SPEAKERPHONE", "VOICE_H323", "VOICE_SIP", and "VOICE_GATEWAY". password - The conference password, when required to connect to the conference call.
Output	Body: <pre>[{ "rel": "string", "href": "string" }]</pre>
Applicable return codes	200 OK, 415 Error

Table 2-36 conferences/blast

Description	This API performs a blast dial to establish a multiple participant conference call.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/conferences/blast
Input and Output Syntax	JSON

Table 2-36 conferences/blast (continued)

Access Level	Admin
Input	Body: <pre>{ "endPointList": [{ "addresses": [{ "address": <string>, "rate": <integer>, "dialType": <string> }, { "address": <string>, "rate": <integer>, "dialType": <string> }] }, { "addresses": [{ "address": <string>, "rate": <integer>, "dialType": <string> }, { "address": <string>, "rate": <integer>, "dialType": <string> }] }], "password": <string> }</pre> address - The address, hostname, or URI to dial. rate - An integer representing the call bitrate. dialType - The type of call specified in a conference dial request. Not all types may be supported on a given system. Valid strings include "LOOPBACK", "AUTO", "VIDEO", "VOICE", "H320", "H323", "SIP", "GATEWAY", "POTS", "ISDN_VOICE", "SIP_SPEAKERPHONE", "POTS_SPEAKERPHONE", "VOICE_H323", "VOICE_SIP", and "VOICE_GATEWAY". password - The conference password, when required to connect to the conference call.
Output	Body: <pre>{ "rel": "string", "href": "string" }</pre>

Table 2-36 conferences/blast (continued)

Applicable return codes	200 OK, 400 Bad Request, 415 Error
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Table 2-37 conferences/capabilities

Description	This API provides the system's conference call capabilities.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/capabilities
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "canBlastDial": true, "canMakeAudioCall": true, "canMakeVideoCall": true }</pre>
Applicable return codes	200 OK

Table 2-38 conferences/{confID}

Description	This API provides information for the specified conference call.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < confID> confID- The unique identifier of the conference to retrieve.

Table 2-38 conferences/{confID} (continued)

Output	Body:
	{
	"confID":
	"string",
	"connections":
	[
	{
	"confID":
	"string",
	"type":
	"ENDPOINT",
	"state":
	"INACTIVE",
	"callType":
	"UNKNOWN",
	"mediaType":
	"UNKNOWN",
	"callInfo":
	"string",
	"sequenceNumber":

Table 2-38 conferences/{confID} (continued)

Applicable return codes	200 OK, 400 Bad Request, 404 Unavailable
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Table 2-39 conferences/{confID}

Description	This API hangs up and disconnects the specified conference call.
Protocol, Method, and Path	Protocol: HTTPS Method: DELETE Path: /rest/conferences/<confID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < confID> confID- The unique identifier of the conference to retrieve.
Output	Body: 0
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-40 conferences/{confID}/connections

Description	This API provides a list of connections associated to the specified conference.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/connections
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: ?filter=<string> Example Query: /rest/conferences/<confID>/connections ?filter=<string> confID- The unique identifier of the conference to retrieve. ?filter=<string> - Available values are ALL, ACTIVE, ANSWERABLE, INCOMING, and PENDING.

Table 2-40 conferences/{confID}/connections (continued)

Output	Body: <pre>[{ "address": "#####@gatewayaddress.com", "answerable": false, "authState": "NONE", "callInfo": "SIP", "callType": "SIP", "canAddVideo": false, "causeCode": 0, "duration": 16, "encrypted": true, "groupname": "", "grouptype": "NONE", "id": "2", "incoming": false, "mediaCount": 0, "mediaType": "AUDIOVIDEO", "parentConfId": "0", "percentConnected": 100, "rate": 2048, "referredBy": "", "startTime": 1572444157000, "state": "CONNECTED", "terminals": [{ "href": "/rest/conferences/0/terminals/1", "rel": "item" }], "type": "MCU", "videoEscalationState": "NONE" }]</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-41 conferences/{confID}/connections

Description	This API dials and adds a new endpoint connection to an active conference specified by confID.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/conferences/<confID>/connections
Input and Output Syntax	JSON
Access Level	Admin

Table 2-41 conferences/{confID}/connections (continued)

Input	The following query parameters are accepted: <pre>?filter=<string></pre> Example Query: <pre>/rest/conferences/<confID>/connections</pre> confID- The unique identifier of the conference to retrieve. Body: <pre>{ "address": "string", "rate": 0, "dialType": "LOOPBACK", "password": "string" }</pre>
Output	Body: <pre>[{ "rel": "self", "href": "string" }]</pre>
Applicable return codes	200 OK, 404 Unavailable, 415 Error

Table 2-42 conferences/{confID}/connections/{connID}

Description	This API provides information for a specific connection using connID, on the specified conference call using confID.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/connections/<connID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <pre><confID>/connections/<connID></pre> confID- The unique identifier of the conference to retrieve. connID- The unique identifier for the connection to retrieve.

Table 2-42 conferences/{confID}/connections/{connID} (continued)

Output	Body: <pre> { "id": "string", "type": "ENDPOINT", "state": "INACTIVE", "callType": "UNKNOWN", "mediaType": "UNKNOWN", "callInfo": "string", "causeCode": 0, "rate": 0, "address": "string", "percentConnected": 0, "incoming": true, "encrypted": true, "authState": "NONE", "mediaCount": 0, "terminals": [{ "rel": "self", "href": "string" }], "startTime": 0, "duration": 0, "parentConfId": "string", "answerable": true, "groupname": "string", "grouptype": "string", "canAddVideo": true, "videoEscalationState": "string", "referredBy": "string" }</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-43 conferences/{confID}/connections/{connID}

Description	This API hangs up and disconnects a specific connection using <code>connID</code> , on the specified conference call using <code>confID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: DELETE Path: /rest/conferences/<confID>/connections/<connID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID>/connections/<connID> confID - The unique identifier of the conference to retrieve. connID - The unique identifier for the connection to retrieve.
Output	Body: 0
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-44 conferences/{confID}/terminals

Description	This API provides a list of terminals associated with the specified conference call using <code>confID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/terminals
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: < confID> confID- The unique identifier of the conference to retrieve.
Output	Body: [{ "id": "string", "name": "string", "callerID": "string", "address": "string", "systemID": "string", "muted": true, "holdState": "NOTHELD", "termType": "REAL", "muteLocked": true, "canSupportMediaStatus": true, "parentConfId": "string", "parentConnectionId": "string", "fullDescription": true, "mediaServerType": "string", "streamsState": "string" }]
Applicable return codes	200 OK, 404 Unavailable

Table 2-45 conferences/{confID}/terminals/{termID}

Description	This API provides a specific terminal using <code>termID</code> , associated with the specified conference call using <code>confID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/terminals/<termID>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-45 conferences/{confID}/terminals/{termID} (continued)

Input	The following query parameters are accepted: <confID>/terminals/<termID> confID - The unique identifier of the conference to retrieve. termID - The unique identifier for the terminal to retrieve.
Output	Body: <pre>{ "id": "string", "name": "string", "callerID": "string", "address": "string", "systemID": "string", "muted": true, "holdState": "NOTHELD", "termType": "REAL", "muteLocked": true, "canSupportMediaStatus": true, "parentConfId": "string", "parentConnectionId": "string", "fullDescription": true, "mediaServerType": "string", "streamsState": "string" }</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-46 conferences/{confID}/terminals/{termID}

Description	This API hangs up and disconnects a specific terminal using termID, associated with the specified conference call using confID.
Protocol, Method, and Path	Protocol: HTTPS Method: DELETE Path: /rest/conferences/<confID>/terminals/<termID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID>/terminals/<termID> confID - The unique identifier of the conference to retrieve. termID - The unique identifier for the terminal to retrieve.
Output	Body: 0
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-47 conferences/{confID}/mediastats

Description	This API provides a list of connections associated to the specified conference.
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Table 2-47 conferences/{confID}/mediastats (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/conferences/<confID>/mediastats
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted:
	<confID>
	confID - The unique identifier of the conference to retrieve.

Table 2-47 conferences/{confID}/mediastats (continued)

Output	Body:
	<pre>[{ "activeAnnexes": "---", "actualBitRate": 64, "actualFrameRate": 0, "address": "none", "bitRate": 64, "connectionID": "2", "encryptionAlgorithm": "AES-256", "encryptionMode": "ctr", "encryptionType": "TLS/SDS", "errorConcealment": "---", "frameRate": 0, "index": 0, "jitter": 0, "latency": 126, "maxJitter": 0, "mediaAlgorithm": "SirenLPR", "mediaDirection": "TX", "mediaFormat": "---", "mediaState": "OPENED", "mediaStream": "audioTx", "mediaType": "AUDIO", "numberOfErrors": 0, "packetLoss": 1, "percentPacketLoss": 0.0, "prevTermId": "-1", "quality": 100, "reservationError": "err0", "reservationProtocol": "rsvp", "reservationState": "reserving", "termId": "1", "totalPackets": 763, "uniqueId": null }, { "activeAnnexes": "---", "actualBitRate": 64, "actualFrameRate": 0, "address": "none", "bitRate": 64, "connectionID": "2", "encryptionAlgorithm": "AES-256", "encryptionMode": "ctr", "encryptionType": "TLS/SDS", "errorConcealment": "---", "frameRate": 0, "index": 0, "jitter": 3, "latency": 0, "maxJitter": 3, "mediaAlgorithm": "SirenLPR", "mediaDirection": "RX", "mediaFormat": "---", "mediaState": "OPENED", "mediaStream": "audioRx", "mediaType": "AUDIO", "numberOfErrors": 0, "packetLoss": 0, "percentPacketLoss": 0.0, "prevTermId": "-1", "quality": 100, "reservationError": "err0", "reservationProtocol": "rsvp", "reservationState": "notReserved", "termId": "1", "totalPackets": 759, "uniqueId": null }, { "activeAnnexes": "---", "actualBitRate": 1, "actualFrameRate": 0,</pre>

Table 2-47 conferences/{confID}/mediastats (continued)

Applicable return codes	200 OK, 404 Unavailable
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Table 2-48 conferences/{confID}/connections/{connID}/mediastat

Description	This API provides media statistics for a specific connection using <code>connID</code> , on the specified conference call using <code>confID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/connections/<connID>/mediastat
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID>/connections/<connID>/mediastat <code>confID</code> - The unique identifier of the conference to retrieve. <code>connID</code> - The unique identifier for the connection to retrieve.
Output	Body: <pre>[{ "connectionID": "string", "mediaDirection": "string", "mediaType": "string", "index": 0, "mediaState": "string", "mediaStream": "string", "mediaAlgorithm": "string", "mediaFormat": "string", "encryptionType": "string", "encryptionAlgorithm": "string", "encryptionMode": "string", "errorConcealment": "string", "numberOfErrors": 0, "bitRate": 0, "actualBitRate": 0, "frameRate": 0, "actualFrameRate": 0, "totalPackets": 0, "packetLoss": 0, "percentPacketLoss": 0, "jitter": 0, "maxJitter": 0, "latency": 0, "address": "string", "activeAnnexes": "string", "reservationProtocol": "string", "reservationState": "string", "reservationError": "string", "termId": "string", "prevTermId": "string", "quality": 0, "uniqueId": "string" }]</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-49 conferences/{confID}/mediastats/terminals/{termID}

Description	This API provides media statistics for a specific terminal using termID, associated with the specified conference call using confID.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/mediastats/terminals/<termID>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID>/mediastats/terminals/<termID> confID - The unique identifier of the conference to retrieve. termID - The unique identifier for the terminal to retrieve.
Output	Body: <pre>[{ "connectionID": "string", "mediaDirection": "string", "mediaType": "string", "index": 0, "mediaState": "string", "mediaStream": "string", "mediaAlgorithm": "string", "mediaFormat": "string", "encryptionType": "string", "encryptionAlgorithm": "string", "encryptionMode": "string", "errorConcealment": "string", "numberOfErrors": 0, "bitRate": 0, "actualBitRate": 0, "frameRate": 0, "actualFrameRate": 0, "totalPackets": 0, "packetLoss": 0, "percentPacketLoss": 0, "jitter": 0, "maxJitter": 0, "latency": 0, "address": "string", "activeAnnexes": "string", "reservationProtocol": "string", "reservationState": "string", "reservationError": "string", "termId": "string", "prevTermId": "string", "quality": 0, "uniqueId": "string" }]</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-50 conferences/{confID}/termmediastats

Description	This API provides quality metrics for all terminal endpoints associated with the specified conference call using <code>confID</code> .
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/conferences/<confID>/termmediastats
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID> <code>confID</code> - The unique identifier of the conference to retrieve.
Output	Body: <pre>[{ "id": "string", "quality": 0 }]</pre>
Applicable return codes	200 OK, 404 Unavailable

Directory

Table 2-51 directory/favorites

Description	This API provides a list of favorite directory entries, sorted by the favorite's index value.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/directory/favorites
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code>?start=<integer>&limit=<integer></code> Example Query: <pre>/rest/directory/favorites ?start=<integer>&limit=<integer></pre> <code>start=<integer></code> - An integer representing the starting (1-based) index of the search results. Defaults to 1, if not specified. <code>limit=<integer></code> - An integer representing the maximum number of search results to return. Defaults to 1, if not specified.

Table 2-51 directory/favorites (continued)

Output	Body: <pre> { "entries": [{ "index": 1, "firstName": "string", "lastName": "string", "displayName": "string", "id": "string", "serverId": "string", "link": { "rel": "self", "href": "string" } }], "next": { "rel": "self", "href": "string" } }</pre>
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Table 2-52 directory/global/server

Description	This API provides information about the configured global directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/directory/global/server
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre> { "id": "string", "address": "string", "protocol": "LOCAL", "Status": "DISABLED", "presenceServer": { "protocol": "NONE", "Status": "DISABLED" }, "link": { "rel": "self", "href": "string" } }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-53 directory/global/mtddefaultgroupentry

Description	This API provides information about the multi-tier directory group entry, if configured.
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Table 2-53 directory/global/mtddefaultgrouppentry (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/directory/global/mtddefaultgrouppentry
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "id": "string", "serverId": "string", "type": "SINGLE", "displayName": "string", "firstName": "string", "lastName": "string", "fullName": "string", "presence": "OFFLINE", "favorite": true, "readOnly": true, "addedLocally": true, "link": { "rel": "self", "href": "string" } }</pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-54 directory/local/server

Description	This API provides information about the configured local directory server.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/directory/local/server
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-54 directory/local/server (continued)

Output	Body: <pre>{ "id": "string", "address": "string", "protocol": "LOCAL", Status: "DISABLED", "presenceServer": { "protocol": "NONE", Status: "DISABLED" }, "link": { "rel": "self", "href": "string" } }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-55 directory/local/entries

Description	This API adds a new entry to the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/directory/local/entries
Input and Output Syntax	JSON
Access Level	Admin

Table 2-55 directory/local/entries (continued)

Input	Body:
	<pre>{ "type": <string>, "displayName": <string>, "firstName": <string>, "lastName": <string>, "fullName": <string>, "email": <string>, "homePhone": <string>, "workPhone": <string>, "mobilePhone": <string>, "imageLocation": <string>, "favorite": <boolean>, "devices": [{ "name": <string>, "addressList": [{ "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }, { "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }] }, { "name": <string>, "addressList": [{ "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }, { "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }] }] }</pre>
	type - The type of directory entry. Valid strings include "SINGLE" and "GROUP". displayName - Display name of the directory entry. firstName - First name of the directory entry. lastName - Last name of the directory entry. fullName - Full name of the directory entry. email - E-mail address of the directory entry. homePhone - Home phone number of the directory entry. workPhone - Work phone number of the directory entry. mobilePhone - Mobile phone number of the directory entry. imageLocation - Location of an image associated with the directory entry. Usually a URL to an avatar, icon, or portrait. favorite - True sets the favorite status. False unsets the favorite status.

Table 2-55 directory/local/entries (continued)

Output	None
Applicable return codes	201 Created, 400 Bad Request, 405 Not Allowed, 500 Server Error, 507 Insufficient Storage

Table 2-56 directory/local/entries/{entryId}

Description	This API provides information about the configured local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/directory/local/entries/<entryId>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <entryId> entryId - The unique identifier of the entry to retrieve.
Output	Body: <pre>{ "id": "string", "serverId": "string", "type": "SINGLE", "displayName": "string", "firstName": "string", "lastName": "string", "fullName": "string", "presence": "OFFLINE", "email": "string", "homePhone": "string", "workPhone": "string", "mobilePhone": "string", "imageLocation": "string", "serverProtocol": "string", "devices": [{ "id": "string", "name": "string", "addressList": [{ "type": "IP_ADDRESS", "number": "string", "extension": "string", "rate": "string" }] }], "favorite": true, "readOnly": true, "addedLocally": true, "link": { "rel": "self", "href": "string" } }</pre>

Table 2-56 `directory/local/entries/{entryId}` (continued)

Applicable return codes	200 OK, 404 Unavailable, 500 Server Error
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Table 2-57 `directory/local/entries/{entryId}`

Description	This API removes an entry from the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: DELETE Path: <code>/rest/directory/local/entries/<entryId></code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code><entryId></code> <code>entryId</code> - The unique identifier of the entry to retrieve.
Output	None
Applicable return codes	204 No Content, 404 Unavailable, 500 Server Error

Table 2-58 `directory/local/entries/{entryId}`

Description	This API performs an update to an existing entry within the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: PUT Path: <code>/rest/directory/local/entries/<entryId></code>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-58 directory/local/entries/{entryId} (continued)

Input	The following query parameters are accepted: <entryId> entryId - The unique identifier of the entry to retrieve. Body: <pre>{ "type": <string>, "displayName": <string>, "firstName": <string>, "lastName": <string>, "fullName": <string>, "email": <string>, "homePhone": <string>, "workPhone": <string>, "mobilePhone": <string>, "imageLocation": <string>, "favorite": <boolean>, "devices": [{ "name": <string>, "addressList": [{ "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }, { "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }] }, { "name": <string>, "addressList": [{ "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }, { "type": <string>, "number": <string>, "extension": <string>, "rate": <string> }] }] }</pre> type - The type of directory entry. Valid strings include "SINGLE" and "GROUP". displayName - Display name of the directory entry. firstName - First name of the directory entry. lastName - Last name of the directory entry. fullName - Full name of the directory entry. email - E-mail address of the directory entry. homePhone - Home phone number of the directory entry. workPhone - Work phone number of the directory entry. mobilePhone - Mobile phone number of the directory entry.
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Table 2-58 `directory/local/entries/{entryId}` (continued)

Output	None
Applicable return codes	204 No Content, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-59 `directory/local/entries/{entryId}`

Description	This API performs an action on the specified entry within the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: <code>/rest/directory/local/entries/<entryId></code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code><entryId></code> <code>entryId</code> - The unique identifier of the entry to retrieve. Body: <pre>{ "action": <string>, "deviceId": <string> }</pre> <code>action</code> - The action to perform on the directory entry. The only valid string is "dial". <code>deviceId</code> - Optional property for dial actions to specify the entry's device ID from which to dial.
Output	None
Applicable return codes	204 No Content, 404 Unavailable, 500 Server Error

Table 2-60 `directory/local/entries/{entryId}/favorite`

Description	This API performs an action to set or unset favorite status on an existing entry within the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: PUT Path: <code>/rest/directory/local/entries/<entryId>/favorite</code>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-60 directory/local/entries/{entryId}/favorite (continued)

Input	The following query parameters are accepted: <entryId> entryId - The unique identifier of the entry to retrieve. Body: <pre>{ "favorite": <boolean> }</pre> favorite - True sets the favorite status. False unsets the favorite status.
Output	None
Applicable return codes	200 OK, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-61 directory/local/entries/{entryId}/favorite

Description	This API performs an update to the position order of an existing favorite entry within the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/directory/local/entries/<entryId>/favorite
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <entryId> entryId - The unique identifier of the entry to retrieve. Body: <pre>{ "index": <integer> }</pre> index - An integer to set the favorite position order index.
Output	None
Applicable return codes	200 OK, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-62 directory/local/entries/{entryId}/members

Description	This API performs an action on the members of the specified directory group within the local directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/directory/local/entries/<entryId>/members
Input and Output Syntax	JSON

Table 2-62 directory/local/entries/{entryId}/members (continued)

Access Level	Admin
Input	The following query parameters are accepted: <entryId> entryId- The unique identifier of the entry to retrieve. Body: <pre>{ "action": <string>, "entryId": <string> }</pre> action- The action to perform on the directory group. Valid strings include "query", "add", and "remove". entryId- Optional property for group add/remove actions that may specify an entry ID.
Output	None
Applicable return codes	201 Created, 204 No Content, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-63 directory/queries

Description	This API performs a new asynchronous directory entries search query.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/directory/queries
Input and Output Syntax	JSON
Access Level	Admin

Table 2-63 directory/queries (continued)

Input	Body: <pre>{ "searchString": <string>, "serverScope": <string>, "entryScope": <string>, "groupScope": <string>, "order": <string>, "groupID": <string> }</pre> searchString - The value for the query search. If this property is empty in the query then all entries are returned. serverScope - The server search scope of the query. Defaults to "ALL" if not specified. Valid strings include "ALL", "LOCAL", "GLOBAL", and "FAVORITES". entryScope - The entry type search scope of the query. Defaults to "ANY" if not specified. Valid strings include "SINGLE", "GROUP", "ANY_TIERED", and "ANY". groupScope - The group search scope of the query. Defaults to "ONE_LEVEL" if not specified. Valid strings include "ONE_LEVEL" and "RECURSIVE". order - The order of the results. Defaults to "DISPLAY_NAME" if not specified. Valid strings include "FIRST_NAME", "LAST_NAME", and "DISPLAY_NAME". groupID - A unique identifier of the group.
Output	Body: <pre>{ "id": "string" }</pre>
Applicable return codes	201 Created, 500 Server Error

Table 2-64 directory/queries/initial

Description	This API provides a new asynchronous directory entries search query, used to retrieve a default list of directory entries.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/directory/queries/initial
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "id": "string" }</pre>
Applicable return codes	201 Created, 500 Server Error

Table 2-65 `directory/queries/{queryId}`

Description	This API provides results of a directory entries search for a specified query ID.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: <code>/rest/directory/queries/<queryId></code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code>?start=<integer>&limit=<integer></code> Example Query: <code>/rest/directory/queries/<queryId> ?start=<integer>&limit=<integer></code> <code>queryId</code> - The query ID of the directory search to retrieve. <code>start=<integer></code> - The starting index of the search query results to return. Defaults to 1 if not specified. <code>limit=<integer></code> - The maximum number of search query results to return. Defaults to 1 if not specified.
Output	Body: <pre>{ "entries": [{ "id": "string", "serverId": "string", "type": "SINGLE", "displayName": "string", "firstName": "string", "lastName": "string", "fullName": "string", "presence": "OFFLINE", "favorite": true, "readOnly": true, "addedLocally": true, "link": { "rel": "self", "href": "string" } }], "next": { "rel": "self", "href": "string" } }</pre>
Applicable return codes	200 OK, 204 No Content, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-66 `directory/queries/{queryId}`

Description	This API removes a directory entry search query for a specified query ID.
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Table 2-66 `directory/queries/{queryId}` (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: DELETE
	Path: <code>/rest/directory/queries/<queryId></code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code><queryId></code> <code>></code> <code>queryId</code> - The query ID of the directory search to delete.
Output	None
Applicable return codes	204 No Content, 404 Unavailable, 500 Server Error

Table 2-67 `directory/{serverId}/entries/{entryId}`

Description	This API provides a specified directory entry from the specified directory server.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: <code>/rest/directory/<serverId>/entries/<entryId></code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code><serverId>/entries/<entryId></code> <code>serverId</code> - The unique identifier of the directory server. <code>entryId</code> - The unique identifier of the entry to retrieve.

Table 2-67 directory/{serverId}/entries/{entryId} (continued)

Output	Body:
	<pre> { "id": "string", "serverId": "string", "type": "SINGLE", "displayName": "string", "firstName": "string", "lastName": "string", "fullName": "string", "presence": "OFFLINE", "email": "string", "homePhone": "string", "workPhone": "string", "mobilePhone": "string", "imageLocation": "string", "serverProtocol": "string", "devices": [{ "id": "string", "name": "string", "addressList": [{ "type": "IP_ADDRESS", "number": "string", "extension": "string", "rate": "string" }] }], "favorite": true, "readOnly": true, "addedLocally": true, "link": { "rel": "self", "href": "string" } } </pre>
Applicable return codes	200 OK, 404 Unavailable, 500 Server Error

Table 2-68 irectory/{serverId}/entries/{entryId}

Description	This API performs an action on the specified entry within the specified directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/directory/<serverId>/entries/<entryId>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-68 `directory/{serverId}/entries/{entryId}` (continued)

Input	The following query parameters are accepted: <pre><serverId>/entries/<entryId></pre> <code>serverId</code> - The unique identifier of the directory server. <code>entryId</code> - The unique identifier of the entry to retrieve. Body: <pre>{ "action": <string>, "deviceId": <string> }</pre> <code>action</code> - The action to perform on the directory entry. The only valid string is "dial". <code>deviceId</code> - Optional property for dial actions to specify the entry's device ID from which to dial.
Output	None
Applicable return codes	204 No Content, 400 Bad Request, 404 Unavailable, 500 Server Error, 501 Not Implemented, 507 Insufficient Storage

Table 2-69 `directory/{serverId}/entries/{entryId}/favorite`

Description	This API performs an action to set or unset favorite status on the specified entry within the specified directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: PUT Path: <code>/rest/directory/<serverId>/entries/<entryId>/favorite</code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <pre><serverId>/entries/<entryId>/favorite</pre> <code>serverId</code> - The unique identifier of the directory server. <code>entryId</code> - The unique identifier of the entry to retrieve. Body: <pre>{ "favorite": <boolean> }</pre> <code>favorite</code> - True sets the favorite status. False unsets the favorite status.
Output	Body: <pre>{ "success": true, "reason": "string" }</pre>
Applicable return codes	200 OK, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-70 `directory/{serverId}/entries/{entryId}/favorite`

Description	This API performs an update to the position order of the specified entry within the specified directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: <code>/rest/directory/<serverId>/entries/<entryId>/favorite</code>
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <code><serverId>/entries/<entryId>/favorite</code> <code>serverId</code> - The unique identifier of the directory server. <code>entryId</code> - The unique identifier of the entry to retrieve. Body: <pre>{ "index": <integer> }</pre> <code>index</code> - An integer to set the favorite position order index.
Output	Body: <pre>{ "success": true, "reason": "string" }</pre>
Applicable return codes	200 OK, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-71 `directory/{serverId}/entries/{entryId}/members`

Description	This API performs an action on the members of the specified directory group within the specified directory server.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: <code>/rest/directory/<serverId>/entries/<entryId>/members</code>
Input and Output Syntax	JSON
Access Level	Admin

Table 2-71 directory/{serverId}/entries/{entryId}/members (continued)

Input	The following query parameters are accepted: <serverId>/entries/<entryId>/members serverId - The unique identifier of the directory server. entryId - The unique identifier of the entry to retrieve. Body: <pre>{ "action": <string>, "entryId": <string> }</pre> action - The action to perform on the directory group. Valid strings include "query", "add", and "remove". entryId - Optional property for group add/remove actions that may specify an entry ID.
Output	Body: <pre>{ "id": "string" }</pre>
Applicable return codes	201 Created, 204 No Content, 400 Bad Request, 404 Unavailable, 500 Server Error

Table 2-72 directory/import

Description	This API performs an import of an XML file containing directory entries.
Protocol, Method, and Path	Protocol: HTTPS Method: PUT Path: /rest/directory/import
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	None
Applicable return codes	204 No Content, 400 Bad Request, 500 Server Error

Table 2-73 directory/export

Description	This API performs an export of directory entries to an XML file and makes them available for download.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/directory/export
Input and Output Syntax	JSON
Access Level	Admin

Table 2-73 directory/export (continued)

Input	None
Output	None
Applicable return codes	200 OK, 400 Bad Request, 500 Server Error

Session

Table 2-74 session

Description	This API creates and authenticates a session on the system.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/session
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "user": <string>, "password": <string> }</pre> user - The user ID for signing into the system. password - The password for signing into the system.

Table 2-74 session (continued)

Output	Body: <pre> { "success": true, "loginStatus": { "loginResult": "NOLOCKOUT", "lastLoginClinet": "198.168.1.1", "lastLoginTime": 1, "lastLoginClientType": "WEB", "failedLogins": 0, "ispasswordAgeLimitReached": false } "session": { "sessionId": "POWODrZMt/Y4yyMhOo0FXvs5yDdehGAapFhoB", "role": "ADMIN", "clientType": "WEB", "location": "192.168.1.2", "userId": "admin", "creationTime": 1, "isAuthenticated": true, "isStale": false, "isNew": true, "isConnected": false } }</pre>
Applicable return codes	200 SUCCESS, 403 LOG-IN ATTEMPT FAILED

System

Table 2-75 system/h323gatekeepers

Description	This API provides the status and information of the H323 gatekeeper servers.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/h323gatekeepers
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre> [{ "state": "ON", "address": "string" "version": "string" "model": "string" }]</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-76 system/logs

Description	This API provides the system logs in a .tar file as an octet stream file attachment response.
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Table 2-76 system/logs (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/system/logs
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	None
Applicable return codes	200 OK, 500 Server Error

Table 2-77 system/apps/environment

Description	This API starts the Environment Control app on a paired touch controller. This API only supports one connected TC8 device.
Protocol, Method, and Path	Protocol: HTTPS
	Method: POST
	Path: /rest/system/apps/environment
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-78 system/apps/environment

Description	This API hides the Environment Control app on a paired touch controller. This API only supports one connected TC8 device.
Protocol, Method, and Path	Protocol: HTTPS
	Method: DELETE
	Path: /rest/system/apps/environment
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "result": true }</pre>

Table 2-78 system/apps/environment (continued)

Applicable return codes	200 OK, 500 Server Error
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Table 2-79 system/apps/environment

Description	This API gets the status of the Environment Control app on a paired touch controller in the form of a list. This API only supports one connected TC8 device.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/apps/environment
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>[{ "macAddress": "00e0db54d243", "environmentControlAppActive": true }]</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-80 system/mode/device

Description	This API provides the status of whether the Device Mode application is currently running.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/mode/device
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK

Table 2-81 system/mode/device

Description	This API starts Device Mode if it isn't running.
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Table 2-81 system/mode/device (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: POST
	Path: /rest/system/mode/device
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre> { "success": true, "reason": "string" } </pre>
Applicable return codes	200 OK

Table 2-82 system/mode/device

Description	This API stops Device Mode if it is running.
Protocol, Method, and Path	Protocol: HTTPS
	Method: DELETE
	Path: /rest/system/mode/device
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre> { "success": true, "reason": "string" } </pre>
Applicable return codes	200 OK

Table 2-83 system/mode/signage

Description	This API provides the status of whether the Digital Signage application is currently running.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/system/mode/signage
Input and Output Syntax	JSON
Access Level	Admin
Input	None

Table 2-83 system/mode/signage (continued)

Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK

Table 2-84 system/mode/signage

Description	This API starts Digital Signage if it isn't running.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/system/mode/signage
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "success": true, "reason": "string" }</pre>
Applicable return codes	200 OK

Table 2-85 system/mode/signage

Description	This API stops Digital Signage if it is running.
Protocol, Method, and Path	Protocol: HTTPS Method: DELETE Path: /rest/system/mode/signage
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "success": true, "reason": "string" }</pre>
Applicable return codes	200 OK

Table 2-86 system/network/ping

Description	This API performs an ICMP echo ping to the destination network host.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/system/network/ping
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "destination": <string>, }</pre> destination - The IP address of the destination network host.
Output	Body: <pre>{ "icmpReachable": true, "responseTime": 0, "h323Reachable": true, "sipReachable": true }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-87 system/network/traceroute

Description	This API performs network traceroute to the destination network host.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/network/traceroute
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "destination": <string>, }</pre> destination - The IP address of the destination network host.

Table 2-87 system/network/traceroute (continued)

Output	Body: <pre> { "success": true, "totalHops": 0, "hops": [{ "hopNumber": 0, "address": "string", "dnsName": "string", "responseTimes": [0] }] }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-88 system/reboot

Description	This API performs a reboot of the system.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/system/reboot
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre> { "action": "reboot", }</pre>
Output	None
Applicable return codes	200 OK, 500 Server Error

Table 2-89 system/resetsettings

Description	This API performs a reset of configurations and settings of the system.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/system/resetsettings
Input and Output Syntax	JSON
Access Level	Admin

Table 2-89 system/resetsettings (continued)

Input	Body: <pre>{ "action": "resetsettings", "keepCertificates": <boolean>, "keepCdr": <boolean>, "keepDirectory": <boolean>, "keepLogs": <boolean> }</pre> <boolean> - True retains the setting. False resets the setting.
Output	None
Applicable return codes	200 OK, 500 Server Error

Table 2-90 system/sipservers

Description	This API provides the status and information of the SIP servers.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/sipservers
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "state": "ON", "address": "string" "version": "string" "model": "string" }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-91 system/status

Description	This API provides the status and information of important areas of the system.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/status
Input and Output Syntax	JSON
Access Level	Admin

Table 2-91 system/status (continued)

Input	None
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Table 2-91 system/status (continued)

Output	Body:
	<pre> { "langtag": "PRIMARY_NETWORK_HEADING", "name": "system.status.ipnetwork", "stateList": ["up"] }, { "langtag": "SIP_SERVER_HEADING", "name": "system.status.sipserver", "stateList": ["up"] }, { "langtag": "GATEKEEPER_HEADING", "name": "system.status.gatekeeper", "stateList": ["up"] }, { "langtag": "CALENDAR_SERVICE_HEADING", "name": "system.status.calendar", "stateList": ["up"] }, { "langtag": "MICROPHONES80", "name": "system.status.microphones", "stateList": ["up"] }, { "langtag": "REMOTE_CONTROL_HEADING", "name": "system.status.remotecontrol", "stateList": ["up"] }, { "langtag": "AUTO_ANSWER_P2P_HEADING", "name": "system.status.autoanswerp2p", "stateList": ["off"] }, { "langtag": "PROVISIONING_SERVICE_HEADING", "name": "system.status.provisioning", "stateList": ["off"] }, { "langtag": "SYSTEM_STATUS_GLOBALDIRECTORY_SERVER", "name": "system.status.globaldirectory", "stateList": ["off"] }, { "langtag": "MICROPHONES_HEADING", "name": "system.status.mr.audio", "stateList": ["all_up"] }, { "langtag": "CAMERAS_HEADING", "name": "system.status.cameras", "stateList": ["all_up"] } </pre>

Table 2-91 system/status (continued)

Applicable return codes	200 OK, 500 Server Error
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Table 2-92 system/time

Description	This API provides the current time in milliseconds of the system, using UTC time zone and the time offset for the currently set time zone.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/time
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "time": 1487369530000, "tzOffset": -300 }</pre>
Applicable return codes	200 OK, 500 Server Error

Table 2-93 system/time

Description	This API performs a set of the current system time using Unix Epoch Time format (milliseconds).
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/system/time
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "time": <long>, "tzOffset": <integer> }</pre> time - The current system time using Unix Epoch Time format in milliseconds. tzOffset - An integer that represents the system time zone offset from GMT in minutes (+/-). This isn't required for a POST request.
Output	None
Applicable return codes	200 OK

Table 2-94 system/time/local

Description	This API provides the current time in a single ISO 8601 formatted string value.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/system/time/local
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "time": "2018-08-10T15:00:59.000-0700" }</pre>
Applicable return codes	200 OK, 500 Server Error

SysTracker

Table 2-95 mediastats

Description	This API provides the media status value(s) associated with all shared content.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/mediastats
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "vars": [{ "bitrate": 0, "clientID": "cast3", "duration": 256, "framerate": 0, "height": 1440, "sourceID": 2, "sourceType": "MIRACAST", "start": 1505416756873, "width": 1088 }] }</pre>
Applicable return codes	200 OK

Video

Table 2-96 video/local/mute

Description	This API provides the status of whether the video is hidden.
Protocol, Method, and Path	Protocol: HTTPS Method: GET Path: /rest/video/local/mute
Input and Output Syntax	JSON
Access Level	Admin
Input	None
Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK

Table 2-97 video/local/mute

Description	This API performs a hide or unhide action on the local video.
Protocol, Method, and Path	Protocol: HTTPS Method: POST Path: /rest/video/local/mute
Input and Output Syntax	JSON
Access Level	Admin
Input	Body: <pre>{ "mute": <boolean> }</pre> <boolean> - True hides local video. False unhides local video.
Output	Body: <pre>{ "success": true, "reason": "string" }</pre>
Applicable return codes	200 OK

Table 2-98 video/remote/{confID}/mute

Description	This API provides the status of whether the video is hidden on a specified conference.
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Table 2-98 video/remote/{confID}/mute (continued)

Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/video/remote/<confID>/mute
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID>/mute confID- The conference ID to retrieve video hidden state from.
Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK, 404 Unavailable

Table 2-99 video/remote/{confID}/mutelock

Description	This API provides the status of whether the video hidden with a mute lock is applied to a specified conference.
Protocol, Method, and Path	Protocol: HTTPS
	Method: GET
	Path: /rest/video/remote/<confID>/mutelock
Input and Output Syntax	JSON
Access Level	Admin
Input	The following query parameters are accepted: <confID> confID- The conference ID to retrieve video hidden state from.
Output	Body: <pre>{ "result": true }</pre>
Applicable return codes	200 OK, 404 Unavailable

3 Diagnostics

This section describes REST API error codes and logging information.

Error Codes

Table 3-1 Error Codes and Descriptions

Success	200 OK	API executed successfully
	201 Created	Entry was created
	204 No Content	Content is not ready, content has been removed, or updated
Failed	400 Bad Request	Request not recognized, could not be executed
	403 Forbidden	Forbidden, authentication denied, pin invalid
	404 Unavailable	Operation or source unavailable
	405 Not Allowed	Requested action is not supported
	415 Error	Payload invalid or missing one or more required fields
	500 Server Error	Unexpected error encountered
	501 Not Implemented	No support for performing requested action
	507 Insufficient Storage	Insufficient storage on the server
Success	200 OK	API executed successfully

Logging

The following table provides examples of the type of logging available at each level.

Table 3-2 Log Levels

0	Debug
1	Detailed events
2	Flow events
3	High-level flow events
4	Minor, recoverable events
5	Major, eventually fatal errors
6	Immediately fatal events

4 Getting help

Poly is now a part of HP. The joining of Poly and HP paves the way for us to create the hybrid work experiences of the future. Information about Poly products has transitioned from the Poly Support site to the HP Support site.

The [Poly Documentation Library](#) is continuing to host the installation, configuration/administration, and user guides for Poly products in HTML and PDF format. In addition, the Poly Documentation Library provides Poly customers with information about the transition of Poly content from Poly Support to [HP Support](#).

The [HP Community](#) provides additional tips and solutions from other HP product users.

HP Inc. addresses

HP US

HP Inc.
1501 Page Mill Road
Palo Alto 94304, U.S.A.
650-857-1501

HP Germany

HP Deutschland GmbH
HP HQ-TRE
71025 Boeblingen, Germany

HP UK

HP Inc UK Ltd
Regulatory Enquiries, Earley West
300 Thames Valley Park Drive
Reading, RG6 1PT
United Kingdom

HP Spain

Cami de Can Graells 1-21
Bldg BCN01)
Sant Cugat del Valles
Spain, 08174
902 02 70 20

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Review the following document information.

Model ID: Poly Bluetooth® Remote Control (model: P010), Poly IR Receiver (model: BW7650), Poly IR Remote (model: BW7600), Poly Microphone IP Adapter (model: P012), Poly IP Table Microphone (model: P013), Poly IP Ceiling Microphone (model: P014), Poly Studio X70 (model: P026), Poly Studio X50 (model: P017), Poly Studio X30 (model: P018), Poly Studio E70 (model: P025), Poly TC10 (model: P030), Poly TC8 (model: P020), Poly Studio G62 (Radio model: PBJ-STG-62R, No radio model: PBJ-STG-62N), Poly

Studio X72 (Radio model: PATX-STX-72R, No radio model: PATX-STX-72N), Poly Studio X32 (Radio model: PATX-STX-32R, No radio model: PATX-STX-32N)

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