



DEVELOPER GUIDE

API Version 3.5.0 | August 2017 | 3725-77702-001H

Polycom® RealPresence® Platform API



Copyright© 2017, Polycom, Inc. All rights reserved. No part of this document may be reproduced, translated into another language or format, or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Polycom, Inc.

6001 America Center Drive
San Jose, CA 95002
USA



Polycom®, the Polycom logo and the names and marks associated with Polycom products are trademarks and/or service marks of Polycom, Inc. and are registered and/or common law marks in the United States and various other countries. All other trademarks are property of their respective owners. No portion hereof may be reproduced or transmitted in any form or by any means, for any purpose other than the recipient's personal use, without the express written permission of Polycom.

End User License Agreement By installing, copying, or otherwise using this product, you acknowledge that you have read, understand and agree to be bound by the terms and conditions of the [End User License Agreement](#) for this product.

Patent Information The accompanying product may be protected by one or more U.S. and foreign patents and/or pending patent applications held by Polycom, Inc.

Open Source Software Used in this Product This product may contain open source software. You may receive the open source software from Polycom up to three (3) years after the distribution date of the applicable product or software at a charge not greater than the cost to Polycom of shipping or distributing the software to you. To receive software information, as well as the open source software code used in this product, contact Polycom by email at OpenSourceVideo@polycom.com.

Disclaimer While Polycom uses reasonable efforts to include accurate and up-to-date information in this document, Polycom makes no warranties or representations as to its accuracy. Polycom assumes no liability or responsibility for any typographical or other errors or omissions in the content of this document.

Limitation of Liability Polycom and/or its respective suppliers make no representations about the suitability of the information contained in this document for any purpose. Information is provided "as is" without warranty of any kind and is subject to change without notice. The entire risk arising out of its use remains with the recipient. In no event shall Polycom and/or its respective suppliers be liable for any direct, consequential, incidental, special, punitive or other damages whatsoever (including without limitation, damages for loss of business profits, business interruption, or loss of business information), even if Polycom has been advised of the possibility of such damages.

Customer Feedback We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocumentationFeedback@polycom.com.



Visit the [Polycom Support Center](#) for End User License Agreements, software downloads, product documents, product licenses, troubleshooting tips, service requests, and more.

Contents

Contents	3
Before You Begin.....	10
Scope of This Guide	10
Audience, Purpose and Required Skills	10
Get Help	10
API Terminology Used	10
Supported RealPresence Platform API Version	10
Related Documentation	11
<i>RealPresence Resource Manager and DMA System Documentation.....</i>	<i>11</i>
RealPresence® Platform API History	12
Associated API and Product Versions	12
RealPresence Platform API History.....	13
<i>RealPresence Platform API Version 3.5.0.....</i>	<i>13</i>
<i>RealPresence Platform API Version 3.4.0.....</i>	<i>26</i>
plcm-conference-template.....	26
plcm-mcu.....	26
plcm-conference-room	26
<i>RealPresence Platform API Version 3.2.1</i>	<i>27</i>
plcm-conference.....	27
plcm-provision	27
plcm-network-device	27
plcm-enterprise-directory	27
<i>RealPresence Platform API Version 2.7.1</i>	<i>27</i>
plcm-conference.....	27
plcm-conference-room	27
plcm-log-archive.....	27
plcm-presence-config.....	27
Improved Validation Error Messages.....	27
JSON Support for the API.....	28
<i>RealPresence Platform API Version 2.6.2.....</i>	<i>28</i>
plcm-conference.....	28
plcm-conference-room	28
plcm-mcu.....	28
<i>RealPresence Platform API Version 2.6.1</i>	<i>29</i>
<i>RealPresence Platform API Version 2.6.0.....</i>	<i>29</i>
plcm-alert	29
plcm-call-server	29
plcm-conference.....	29

plcm-conference-template.....	29
plcm-ext-sip-peer	29
plcm-site	30
plcm-site-link	30
<i>RealPresence Platform API Version 2.5.5</i>	30
plcm-mcu.....	30
<i>RealPresence Platform API Version 2.5.4</i>	30
<i>RealPresence Platform API Version 2.5.3</i>	30
plcm-user	30
<i>RealPresence Platform API Version 2.5.2</i>	31
plcm-alert	31
plcm-alerting-config.....	31
plcm-conference.....	31
plcm-conference-room	31
plcm-conference-settings	31
plcm-conference-template.....	31
plcm-config.....	32
plcm-dma-supercluster.....	32
plcm-ext-sip-peer	32
plcm-mcu.....	32
plcm-mcu-pool.....	32
plcm-mcu-pool-order	32
plcm-network-cloud	32
plcm-presence-config.....	32
plcm-signaling-config	32
plcm-site	32
plcm-site-topology	32
plcm-snmp-config.....	33
plcm-territory	33
plcm-time.....	33
plcm-user	33
<i>RealPresence Platform API Version 2.4.3</i>	33
plcm-device	33
<i>RealPresence Platform API Version 2.4.2</i>	33
plcm-time.....	33
plcm-reservation.....	33
<i>RealPresence Platform API Version 2.2.0</i>	34
plcm-snmp-config.....	34
plcm-log-config.....	34
<i>RealPresence Platform API Version 2.0.1</i>	34
plcm-device	34
plcm-dial-string-reservation.....	34
plcm-remote-alert-profile	34
plcm-reservation.....	34
plcm-user	34

<i>RealPresence Platform API Version 1.7.7</i>	35
plcm-billing	35
plcm-site	35
<i>RealPresence Platform API Version 1.7.6</i>	35
plcm-notification	35
<i>RealPresence Platform API Version 1.7.5</i>	35
plcm-conference.....	35
<i>RealPresence Platform API Version 1.7.4</i>	35
plcm-conference-room	35
<i>RealPresence Platform API Version 1.7.2</i>	35
plcm-conference-settings	35
plcm-conference-template.....	36
<i>RealPresence Platform API Version 1.7.1</i>	36
plcm-conference.....	36
plcm-conference-room	36
plcm-conference-settings	36
plcm-conference-template.....	36
plcm-dma-supercluster.....	36
plcm-ext-sip-peer	36
plcm-mcu.....	36
plcm-network-cloud	37
plcm-signaling-config	37
plcm-site-link	37
plcm-site.....	37
plcm-site-topology	37
plcm-site-to-site-exclusion.....	37
plcm-territory	37
plcm-user	37
Getting Started	38
Understanding Basic Concepts	38
<i>Resources and HTTP Methods</i>	38
Recommended HTTP GET Optimization (Conditional GET).....	38
Recommended HTTP PUT Request Concurrency Control (Conditional PUT).....	39
Updating resources	39
<i>Simple User Resource Example</i>	40
Get Method	40
POST Method	42
DELETE Method	43
<i>Resource Descriptions</i>	43
<i>Links and Navigation</i>	45
The title attribute	46
Example.....	46
The type Attribute.....	46
Example (using XML subtype)	46

Example (using JSON subtype).....	46
The rel Attribute.....	46
Example.....	46
The href Attribute	46
Example.....	46
Link Example.....	47
<i>Custom Link Relationship Types</i>	<i>48</i>
RealPresence DMA System Custom Relationship Types:	49
Conference Link Relationships	49
Conference Room Link Relationships	49
MCU Link Relationships	49
MCU Pool Link Relationships	50
MCU Pool Order Link Relationships	50
User Link Relationships	50
RealPresence Resource Manager Custom Relationship Types:	50
Device Link Relationships.....	50
User Link Relationships	51
<i>Authentication and Authorization</i>	<i>51</i>
Auditing	51
Audit Logs	51
RealPresence DMA System	51
RealPresence Resource Manager System.....	52
<i>Error Handling</i>	<i>52</i>
<i>The Passback and Passthru Fields</i>	<i>54</i>
<i>XML and JSON Payload Formats.....</i>	<i>54</i>
<i>Software Versioning.....</i>	<i>57</i>
Transparent Versioning.....	57
Discrete Versioning	57
Best Practices to Prevent Versioning Issues	58
<i>Subscriptions and Notifications.....</i>	<i>59</i>
Authentication	59
Initiating a subscription.....	60
Subscription management	60
Error reporting	60
Notification format	60
Subscription to lists	60
High Availability.....	61
Subscription renewal.....	61
Learning From Sample Code.....	62
API Services	63
Alerting Capabilities	63

Site Topology Capabilities	64
Provisioning Capabilities.....	65
Billing Capabilities.....	65
Conference Control and Monitoring (CCM) Capabilities	66
Conference Scheduling Capabilities.....	67
Resource Reporting Capabilities	67
Area Capabilities.....	68
Group Capabilities	68
Device Capabilities	68
System Configuration and Status Capabilities.....	69
Examples	71
Resources.....	71
<i>Area Resource</i>	71
Get Area List	71
Get Area	72
<i>Billing Resource</i>	73
Get CDRs	73
Search CDRs	73
<i>Conference Resource</i>	74
Get Conference List	74
Get Conference	77
Query Device Associated Conference List	79
Subscribe to Conference List.....	80
Subscribe to Conference.....	80
Start Conference	80
End Conference	81
Set Conference Display Text	81
Set Conference Layout	81
Lock Conference	82
Unlock Conference.....	82
Start Recording	82
Mute All Participants Except	83
Unmute All Participants.....	84
Set Join New Calls Muted	84
Get Participant List.....	84
Get Participant	86
Subscribe to Participant List	87
Subscribe to Participant	87
Mute Participant Audio.....	87
Unmute Participant Audio	87
Suspend Participant Video.....	88
Resume Participant Video	88
Disconnect Participant	88

Set Participant Display Name	89
<i>Conference Room Resource</i>	89
Get Conference Room List	89
Search Conference Rooms.....	89
Get Conference Room	91
Create Conference Room	92
Update Conference Room	92
Delete Conference Room.....	93
<i>Conference Template Resource</i>	93
Get Conference Template List	93
Get Conference Template.....	96
<i>MCU Resource</i>	99
Get MCU List.....	99
Get MCU	100
<i>MCU Pool Resource</i>	102
Get MCU Pool List	102
Get MCU Pool	103
<i>MCU Pool Order Resource</i>	104
Get MCU Pool Order List	104
Get MCU Pool Order.....	106
<i>Subscription Resource</i>	107
Get Subscription List.....	107
Get Subscription.....	108
Update Subscription.....	108
Delete Subscription	109
Send Update Notification Now	109
<i>Status Resource</i>	110
Get Status	110
<i>Territory Resource</i>	110
Get Territory List	110
Get Territory	111
<i>User Resource</i>	112
Get User List	112
Search Users	112
Create User.....	114
Update User	114
Delete User	115
<i>Device Resource</i>	115
Get Device List.....	115
Export Devices	118
Get Device	118
Get Device List V3	120
Get Device V3	122
<i>DialStringReservation Resource</i>	124
Create DialStringReservation	124

Update DialStringReservation.....	124
Get DialStringReservation.....	125
Delete DialStringReservation	126
<i>Group Resource</i>	127
Get Group List.....	127
Get Group	128
<i>LogConfig Resource</i>	129
Get LogConfig	129
Update LogConfig	132
<i>Provisioning Profile Resource</i>	135
Admin Config Provisioning Profile Resource	135
Read CallSettings.....	135
Update CallSettings.....	136
Network Provisioning Profile Resource.....	137
Read H323Settings	137
Update H323Settings	137
Read SipSettings.....	138
Update SipSettings.....	139
Read QosSettings	139
Update QosSettings	140
<i>Network Device Resource</i>	141
Add dma	141
Search dma.....	142
Delete dma.....	143
<i>Enterprise Directory Resource</i>	143
Read AD integration.....	143
Update AD settings	144
Read sso settings.....	144
Update sso settings:.....	145

Before You Begin

This preface describes the:

- Scope of this guide
- Audience, Purpose and Required Skills
- Related documentation

Scope of This Guide

This guide shows you how to use the Polycom® RealPresence Platform API to develop applications that allow a client programmable access to the RealPresence Resource Manager and RealPresence Distributed Media Application™ (DMA™) systems.

- [Getting Started](#) introduces you to the technical concepts used in the API.
- [API Services](#) describes functional areas exposed by the API.
- [Examples](#) provides examples of the HTTP methods for each resource.

Audience, Purpose and Required Skills

This guide is written for application developers. It assumes that you are a developer, and have a basic understanding of:

- How applications are developed in your environment.
- Functional understanding of the HTTP, JSON, and XML.
- Familiarity with Representational State Transfer (REST) architecture and principles is helpful, but not required.

Get Help

For more information about installing, configuring, and administering Polycom products, see Documents and Downloads at [Polycom Support](#).

API Terminology Used

REST API terminology can vary between organizations. This guide refers to each RealPresence Platform API element as a “resource collection”. Each entity contained by the resource collection is called a “resource” and the methods used to operate on the resources are called “methods”.

Supported RealPresence Platform API Version

This guide addresses RealPresence Platform API version 3.5.0.

Related Documentation

While planning, developing, deploying, or troubleshooting your application, you may need to refer other Polycom® documents including:

- RealPresence Platform Application Programming Interface (API) reference documentation.

This Developer Guide and the reference documentation are meant to be used together. The Developer Guide provides an overview, explains concepts and provides examples. The reference documentation provides precise specifications of the API.

RealPresence Resource Manager and DMA System Documentation

Since this API gives you programmable access to the RealPresence Resource Manager and RealPresence Distributed Media Application™ (DMA™) system features, you may wish to reference documents about those systems.

Documents from the RealPresence Resource Manager and RealPresence DMA™ system documentation sets provide additional information about administering those systems. They can be found at the Documents and Downloads link at: support.polycom.com.

- RealPresence DMA™ 7000 system documentation:
http://support.polycom.com/PolycomService/support/us/support/network/management_scheduling/dma_7000.html
- RealPresence Resource Manager system documentation set:
http://support.polycom.com/PolycomService/support/us/support/network/management_scheduling/realpresence_resource_manager.html

RealPresence[®] Platform API History

This section describes the history of the RealPresence Platform API and changes between released versions. With this information, you can ensure that the applications you are developing are compatible with the versions of the products in your environment.

Associated API and Product Versions

The following is a list of the product versions associated with each public release of the RealPresence Platform API.

Version	Associated Product Releases
3.5.0	RealPresence DMA System v9.0.0
3.4.0	RealPresence DMA System v6.4.0
3.2.2	RealPresence Resource Manager System v10.0
3.2.0 or 3.2.1	RealPresence Resource Manager System v9.0.0, v9.0.0R, or v9.0.1
2.7.1	RealPresence Resource Manager System v8.4.0
2.6.2	RealPresence DMA System v6.2.1
2.6.1	RealPresence Resource Manager System v8.3.1, v8.3.2
2.6.0	RealPresence DMA System v6.2.0
2.5.5	RealPresence DMA System v6.1.3
2.5.4	RealPresence DMA System v6.1.2
2.5.3	RealPresence DMA System v6.1.1
2.5.2	RealPresence DMA System v6.1.0
2.4.3	RealPresence Resource Manager System v8.3.0
2.4.2	RealPresence Resource Manager System v8.2.0, v8.2.1

Version	Associated Product Releases
2.4.0	RealPresence Access Director System v4.0.0, v4.0.1, v4.1
2.2.0	RealPresence Resource Manager System v8.1.0, v8.1.1
2.0.1	RealPresence Resource Manager System v8.0, v8.0.1
1.7.7	RealPresence DMA System v6.0.6
1.7.6	RealPresence DMA System v6.0.5
1.7.5	RealPresence DMA System v6.0.4
1.7.4	RealPresence DMA System v6.0.3
1.7.2	RealPresence DMA System v6.0.2.1
1.7.1	RealPresence DMA System v6.0.2
1.2.2	RealPresence DMA System v5.2.2.6

RealPresence Platform API History

The following sections detail the changes between publicly released versions of the RealPresence Platform API.

RealPresence Platform API Version 3.5.0

The following are the changes between RealPresence Platform API version 3.5.0 and 3.4.0.

Changes affecting multiple resources

Several general changes that affect multiple resources were introduced in 3.5.0. Changes described here and any resources that implemented these changes are called out specifically in their own sections.

1. ***Paging***

A paging mechanism was added for GET calls that retrieve a list of resources. Two new query parameters were added to these GET methods: *limit* and *page*. Use *limit* to specify the maximum number of entries to be viewed in one page, use *page* to specify which page number to be viewed.

2. **Default values and overriding defaults**

In the RealPresence DMA system API, we need a way to tell whether a value is a system default or has been overridden with a user-supplied value. The general design is to add a corresponding Boolean field to the API for each field where this distinction is needed. The new field is called *override-default-{corresponding-field}*; when set to true, the *corresponding-field* should be specified in the API and not pulled from the system default.

Default values are made available in the API so that the client does not need to do any computation to present the option that would be chosen if the *override-default* setting is false. The default values for each resource can be retrieved by a *GET* request, these calls return an object containing the current default values for all the necessary fields.

plcm-acl

New for this release, this resource collection allows you to configure and view ACL policies.

plcm-active-call

- Added paging support to the GET call to retrieve the list of active calls (https://<RPP_IP>:8443/api/rest/active-calls).
- Added new GET method to retrieve active call statistics (https://<RPP_IP>:8443/api/rest/active-calls/statistics).

plcm-alerting-config

- Added new GET method to retrieve alerting configuration default values (https://<RPP_IP>:8443/api/rest/alerting-config/defaults).

plcm-alert

- Added paging mechanism to the call to retrieve the list of live alerts (https://<RPP_IP>:8443/api/rest/alerts).
- Change to plcm-alert:
 - New field added:
 - cluster-name (string).

plcm-backup

New for this release, this resource collection allows you to manage backup and restore. This includes getting a list of backups, create, delete, upload, download, and restore a backup.

The following resources were moved from plcm-remote-backup:

- plcm-local-backup.
- plcm-local-backup-list.

plcm-billing

- The GET method to retrieve a list of CDRs https://<RPP_IP>:8443/api/rest/billing has been deprecated and replaced by `/billing/generate-cdrs` and `/billing/download-cdrs`.
- Added POST https://<RPP_IP>:8443/api/rest/billing/generate-cdrs to initiate the process to generate CDRs.
- Added GET https://<RPP_IP>:8443/api/rest/billing/status to retrieve CDRs generation status.
- Added GET https://<RPP_IP>:8443/api/rest/billing/download-cdrs to download CDR file.

plcm-caa-tenant

- Added new GET method to retrieve default values for CAA tenant (https://<RPP_IP>:8443/api/rest/caa-tenant/default).
- The following new resources were added:
 - plcm-caa-tenant-v2.
 - plcm-caa-tenant-list-v2.
 - plcm-caa-tenant-defaults.

plcm-common

- New for this release, this module defines resources shared by other resource collections. Examples of resources defined here: plcm-phys-address, plcm-mac-address, plcm-host, uuid, plcm-fqdn, etc.

plcm-conference-factory

- New for this release, this resource collection allows you to configure and view SIP conference factories.

plcm-conference-room

- Added paging support to the GET method to retrieve a list of conference rooms (https://<RPP_IP>:8443/api/rest/conference-rooms).
- Added new GET method to retrieve default values for conference room (https://<RPP_IP>:8443/api/rest/conference-rooms/{conference-room-identifier}/{domain}/{username}/default).
- The following new resources were added:
 - plcm-conference-room-v4.
 - plcm-conference-room-list-v4.
 - plcm-conference-room-defaults.
- New fields added to plcm-conference-room and plcm-conference-room-v2:
 - focus-uri (string).
 - conference-room-type (enumeration).
- Changes to plcm-conference-room-v3:
 - New field: conference-room-type (enumeration).
 - String length for the field “owner-first-name” increased to 256 characters.
 - String length for the field “owner-last-name” increased to 256 characters.

plcm-conference-settings

- New fields added to plcm-conference-settings-v3:
 - min-generated-dynamic-conf-id (int64).
 - max-generated-dynamic-conf-id (int64).
 - min-ports-to-start (int32).
 - max-percent-to-start (decimal64).
 - skype-roster-cascade-indicator (string).

plcm-conference

- Added paging support to the GET method to retrieve a list of conferences (https://<RPP_IP>:8443/api/rest/conferences).
- Added new GET method to retrieve conference manager usage details (https://<RPP_IP>:8443/api/rest/conferences/usage).
- New resource added:
 - plcm-conference-manager-usage.

plcm-conference-template

- Added new query parameter “type” to the PUT request to update a conference room template (https://<RPP_IP>:8443/api/rest/conference-templates/{value}?type={name|identifier}).
- Added new query parameter “type” to the DELETE request to remove a conference room template (https://<RPP_IP>:8443/api/rest/conference-templates/{value}?type={name|identifier}).
- Change in plcm-conference-template-v3 through v6:
 - New value added to enumeration conference-mode-experience: OPTIMIZED_FOR_LINE_RATE.
- Changes in plcm-conference-template-v7:
 - New value added to enumeration conference-mode-experience: OPTIMIZED_FOR_LINE_RATE.
 - New fields added:
 - ❖ cascading-for-svc (boolean).
 - ❖ panoramic-layout (boolean).
 - ❖ layout-indication-position (enumeration).
 - ❖ audio-participants-indication (boolean).
 - ❖ video-participants-indication (boolean).
 - ❖ layout-indication-audio-display-mode (enumeration).
 - ❖ indication-duration (int32).
 - ❖ network-quality-indication (boolean).
 - ❖ play-recording-message (boolean).
 - ❖ message-overlay-enable (boolean).
 - ❖ message-overlay-content (string).
 - ❖ message-overlay-font-size (int32).
 - ❖ message-overlay-color (enumeration).
 - ❖ message-overlay-vertical-position (int32).
 - ❖ message-overlay-transparency (int32).
 - ❖ message-overlay-display-repetition (int32).
 - ❖ message-overlay-display-speed (enumeration).
 - ❖ dial-rule-count (int32).
 - ❖ conference-room-count (int32).
 - ❖ enterprise-group-count (int32).

plcm-config

- New fields added to plcm-call-server-v2:
 - options-ping-interval (int32).
 - options-ping-failure-codes (list).
 - proxy-failure-codes (list).
 - next-ext-proxy-timeout (int32).
 - blacklist-enabled (boolean).
 - grq-quarantine (boolean).
 - grq-ignore-vbp (boolean).
 - rrq-quarantine (boolean).
 - rrq-ignore-vbp (boolean).
 - cleaner-task-interval-minute (int32).
 - grq-duplicate-count (int32).
 - grq-duplicate-interval-ms (int32).
 - rrq-duplicate-count (int32).
 - rrq-duplicate-interval-ms (int32).
- New resource added: plcm-logging-v2.
- New field added to plcm-logging:
 - advanced-diagnostics (boolean).
- New fields added to plcm-physical-limits-v2:
 - cluster-name (string).
 - cluster-identifier (string).

plcm-device

- Changes to the GET method to retrieve a list of devices (https://<RPP_IP>:8443/api/rest/devices):
 - Added paging support.
 - Added new query parameter “exact-search” to specify whether the search should be limited to exact matches (vs. wildcard search).
- New GET method to retrieve signaling alias from an alias value (https://<RPP_IP>:8443/api/rest/devices/signaling-alias/{alias-value}).
- New GET method to retrieve default values for devices (https://<RPP_IP>:8443/api/rest/devices/default).
- The following new resources were added:
 - plcm-device-defaults.
 - plcm-device-list-v4.
 - plcm-device-v4.
 - plcm-h323-alias-type-v2.
 - plcm-h323-identity-v2.
- New fields added to plcm-device-v3:
 - path-header (leaf-list).
 - sip-username (string).
 - authentication-name (string).

- Change to plcm-dial-rule-preliminary:
 - The field “script” is now optional.
- New field added to plcm-gateway-profile:
 - read-only (boolean).

plcm-dial-plan

- Added POST method to create a new dial plan (https://<RPP_IP>:8443/api/rest/dial-plans).
- Added GET method to retrieve default values for dial rule (https://<RPP_IP>:8443/api/rest/dial-plans/dial-rules/default).
- Added PUT method to update a dial plan (https://<RPP_IP>:8443/api/rest/dial-plans).
- Added DELETE method to delete a dial plan (https://<RPP_IP>:8443/api/rest/dial-plans).
- The following new resources were added:
 - plcm-dial-rule-defaults.
 - plcm-dial-rule-list-v2.
 - plcm-dial-rule-v2.
- New field added to plcm-dial-plan:
 - listening-points (leaf-list).
- Change to plcm-dial-rule:
 - New string value that can be set in the field “action”: RESOLVE_SIP_CONF_FACTORY.

plcm-dma-supercluster

- The POST method to join a RealPresence DMA system cluster was deprecated (https://<RPP_IP>:8443/api/rest/dma-supercluster using request resource plcm-dma-supercluster-join), this POST method is replaced by:
 - POST to (https://<RPP_IP>:8443/api/rest/dma-supercluster using request resource plcm-dma-send-invite-to-join-supercluster).
- The following new resources were added:
 - plcm-dma-send-invite-to-join-supercluster.
 - plcm-dma-supercluster-cluster-server.
- New fields added in dma-supercluster-cluster:
 - proxias-version (string).
 - application-version (string).
 - cluster-reachable (boolean).
 - host-name (string).
 - hardware-model (string).
 - serial-number (string).
 - up-time (string).
 - local-time-zone (string).
 - external-time-source (boolean).
 - active-management-host (string).
 - private-link-up (boolean).
 - private-link-duplex (string).
 - private-link-speed (int32).

- management-link-up (boolean).
- management-link-duplex (string).
- management-link-speed (int32).
- signaling-link-up (boolean).
- signaling-link-duplex (string).
- signaling-link-speed (int32).
- split-network (boolean).
- network-interface (list).
- cpu-core-count (leaf).
- cpu-utilization (int32).
- total-memory (int32).
- free-memory (int32).
- total-swap (int32).
- buffer-memory (int32).
- cache-memory (int32).
- total-disk-space (int32).
- free-disk-space (int32).
- used-disk-space (int32).
- used-disk-percentage (int32).
- total-log-space (int32).
- used-log-space (int32).
- used-log-space-percentage (int32).
- next-log-purge-date (date-time).
- List of plcm-territory-v2.
- List of plcm-dma-supercluster-cluster-server.

plcm-enterprise-directory-cache

- Added GET method to retrieve Enterprise Directory Cache defaults (https://<RPP_IP>:8443/api/rest/config/enterprise-directory-cache/defaults).
- New field added to plcm-enterprise-directory-cache-status:
 - duplicate-passcode-errors (int32).

plcm-enterprise-directory-reports

New for this release, this resource collection allows users to retrieve a variety of error reports including Enterprise Directory conference room errors, passcode errors, orphaned groups and users reports, as well as Enterprise Directory integration report.

plcm-enterprise-directory

- Added GET method to retrieve Enterprise Directory Integration defaults (https://<RPP_IP>:8443/api/rest/config/enterprise-directory/defaults).
- New resource added:
 - plcm-enterprise-directory-config-v2.
- New field added to plcm-enterprise-directory-status:
 - connected (boolean).

plcm-enterprise-group

New for this release, this resource collection allows users to retrieve groups from the Enterprise Directory server; then import, update, and delete those groups on the RPP server.

plcm-eula

- New field added to plcm-eula-list:
 - entity-tag (string).

plcm-ext-sip-peer

- Added GET method to retrieve the plcm-postliminary-script.xml (https://<RPP_IP>:8443/api/rest/ext-sip-peer/postliminary-script).
- Added GET method to retrieve the external SIP peers (https://<RPP_IP>:8443/api/rest/ext-sip-peer/status).
- Added GET method to retrieve default values for external SIP peers (https://<RPP_IP>:8443/api/rest/ext-sip-peer/defaults).
- New resources added:
 - plcm-ext-sip-peer-defaults.
 - plcm-next-hop-address.
 - plcm-postliminary-script.
- Changes to plcm-ext-sip-peer, plcm-ext-sip-peer-v2, v3:
 - The field “password” in the “authentication” list is now optional.
 - New field added: challenge-peer (boolean).
- Changes to plcm-ext-sip-peer-v4:
 - The field “password” in the “authentication” list is now optional.
 - New fields added:
 - ❖ challenge-peer (boolean).
 - ❖ options-ping (boolean).
 - ❖ trusted-application-gruu-enabled (boolean).
 - ❖ lync-mcu-pool-order-id-override (boolean).
 - ❖ List of plcm-next-hop-address.

plcm-hunt-group

- New field added to plcm-signaling-alias-type:
 - entity-tag (string).

plcm-license

New for this release, this resource collection allows users to configure the license authority, get licenses update from the license server, apply CFS license, and retrieve the license status.

plcm-ext-sip-peer

- Added POST method to initiate the process to take a snapshot of the logs (https://<RPP_IP>:8443/api/rest/log-archives/snapshot-logs{server-name}).
- New resources added:
 - plcm-log-archive-list-v2.
 - plcm-log-archive-metadata.
- New field added to plcm-log-archive:
 - List of plcm-log-archive-metadata.

plcm-login-policy

- New field added to plcm-whitelist-config:
 - snmp-port (int32).

plcm-login-sessions

- New field added to plcm-login-session:
 - client-passthru (string).

plcm-mcu-pool-order

- New fields added to plcm-mcu-pool-order-v2:
 - used-by-enterprise-groups (int32).
 - used-by-conference-rooms (int32).
 - used-by-sip-peer (boolean).
 - used-by-sip-conference-factories (int32).
 - used-by-on-premise-lync-dial-rule (boolean).

plcm-mcu

- Added GET method to retrieve an MCU of type plcm-mcu-v7 (https://<RPP_IP>:8443/api/rest/mcus/{value}/mcu-status).
- Added GET method to retrieve default values for MCUs (https://<RPP_IP>:8443/api/rest/mcus/default).
- New resources added:
 - plcm-mcu-defaults.
 - plcm-mcu-list-v7.
 - plcm-mcu-v7.
- New fields added to plcm-mcu-v6:
 - supports-svc-cascade (boolean).
 - supports-in-conference-ivr (boolean).
 - cif-to-hd-ratio (decimal64).

plcm-network

New for this release, this resource collection allows users to retrieve and modify the current network configuration.

plcm-pkix

New for this release, this resource collection allows users to manage certificates, certificate signing requests (CSRs), and OCSP settings for the RPP system.

plcm-registration-policy

- Added GET method to retrieve default values for REALPRESENCE DMA SYSTEM registration policy (https://<RPP_IP>:8443/api/rest/registration-policy/default).
- New resource added:
 - plcm-registration-policy-defaults.

plcm-remote-backup

- The following resources were moved to plcm-backup:
 - plcm-local-backup.
 - plcm-local-backup-list.

plcm-reports

- Changes listed below:
 - Changes of query parameters from string to dateTime:
 - ❖ start-after
 - ❖ end-after
 - ❖ start-before
 - ❖ end-before
 - Paging support added.

Changes were applied to the following GET methods:

- Retrieve a list of alerts: https://<RPP_IP>:8443/api/rest/reports/alerts.
- Retrieve a list of registration summary: https://<RPP_IP>:8443/api/rest/reports/registrations.
- Retrieve a list of conference summary: https://<RPP_IP>:8443/api/rest/reports/conferences.
- Retrieve a list of call history: https://<RPP_IP>:8443/api/rest/reports/calls.
- The following GET methods also support paging:
 - Retrieve a list of orphaned groups: https://<RPP_IP>:8443/api/rest/reports/orphaned-groups.
 - Retrieve a list of orphaned users: https://<RPP_IP>:8443/api/rest/reports/orphaned-users.
 - Retrieve a list of call events for a call: https://<RPP_IP>:8443/api/rest/reports/calls/{call-identifier}/call-events.
 - Retrieve a list of property changes for a call: https://<RPP_IP>:8443/api/rest/reports/calls/{call-identifier}/property-changes.
 - Retrieve a list of subscription events for a call: https://<RPP_IP>:8443/api/rest/reports/calls/{call-identifier}/subscription-events.

- Changes to the GET method to retrieve the export report of CDR data (https://<RPP_IP>:8443/api/rest/reports/export-report):
 - New field added:
 - ❖ export-type (string).
 - This method now supports paging.
- New GET method to retrieve historical network usage data about the video network (https://<RPP_IP>:8443/api/rest/reports/network-usage).
- New GET method to retrieve export network usage data to download as CSV (https://<RPP_IP>:8443/api/rest/reports/network-usage/export).
- New GET method to retrieve a list of CDRs for the input call UUIDs (https://<RPP_IP>:8443/api/rest/reports/calls/audit-info).
- New resources added:
 - plcm-network-usage-list.
 - plcm-network-usage.
- New field added to plcm-call:
 - fully-external (boolean).
- New fields added to plcm-conferences-statistics:
 - cluster-name (string).
 - cluster-identifier (string).
- New fields added to plcm-export-report:
 - start-after (date-time).
 - end-before (date-time).
- New fields added to plcm-throttle-point-reference:
 - type (string).
 - owner-site-name (string).
 - bandwidth-event-time (date-time).

plcm-rprm-integration

New for this release, this resource collection allows users to retrieve the RealPresence Resource Manager Integration information and leave the integration.

plcm-security-settings

- New resource added:
 - plcm-security-settings-v2.

plcm-signaling-config

- The following new query parameters:
 - clusterName (string).
 - clusterIdentifier (string).

were added to the following GET methods:

- Retrieve the SIP configuration: https://<RPP_IP>:8443/api/rest/signaling/sip.
- Retrieve the gatekeeper configuration: https://<RPP_IP>:8443/api/rest/signaling/gatekeeper.
- Retrieve the WebRTC configuration: https://<RPP_IP>:8443/api/rest/signaling/webrtc.

- New GET method to retrieve the default SIP configuration (https://<RPP_IP>:8443/api/rest/signaling/sip/default).
- New GET method to retrieve the default gatekeeper configuration (https://<RPP_IP>:8443/api/rest/signaling/gatekeeper/default).
- New GET method to retrieve the default WebRTC configuration (https://<RPP_IP>:8443/api/rest/signaling/webrtc/default).
- New GET method to retrieve the signaling status (https://<RPP_IP>:8443/api/rest/signaling/status).
- New GET and PUT methods to retrieve and update ACL variables (https://<RPP_IP>:8443/api/rest/signaling/acl/variables).
- New resources added:
 - plcm-acl-variable-list.
 - plcm-acl-variables.
 - plcm-acl-variable.
 - plcm-signaling-status.
 - plcm-sip-config-v2.
- New fields added to plcm-gatekeeper-config:
 - dial-plan (string).
 - internal-gk-active (boolean).
 - cluster-name (string).
 - cluster-identifier (string).
- New fields added to plcm-protocol-listening-point:
 - dial-plan (string).
 - enabled (boolean).
 - applySystemAcl (boolean).
- New fields added to plcm-sip-config:
 - cluster-name (string).
 - cluster-identifier (string).
- New fields added to plcm-webrtc-config:
 - dial-plan (string).
 - cluster-name (string).
 - cluster-identifier (string).

plcm-snmp-config

- New GET method to retrieve a list of Polycom MIB files (https://<RPP_IP>:8443/api/rest/snmp-config/mibs).
- New GET method to download a specific Polycom MIB (https://<RPP_IP>:8443/api/rest/snmp-config/mibs/{mib-filename}).
- New resource added:
 - plcm-mib-list.

plcm-software-upgrade

New for this release, this resource collection allows users to retrieve details of current software version and history of installed software versions.

plcm-task

- New field added to plcm-task:
 - task-type (enumeration).

plcm-territory

- New resources added:
 - plcm-territory-list-v3.
 - plcm-territory-v3.
- New fields added to plcm-territory-v2:
 - calendaring-enabled (boolean).
 - enterprise-directory (boolean).
 - call-server-sites (boolean)
 - site-name (leaf-list).

plcm-troubleshooting-utilities

- New GET method to do a traceroute on an ip adress (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/traceroute/{ip-address}).
- New GET method to start a DTO consistency check (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/dto-consistency-check).
- New GET methods to get information of the last network packet capture and to retrieve capture data (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/network-packet-capture).
- New POST method to start a network packet capture (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/network-packet-capture/start).
- New POST method to stop a network packet capture (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/network-packet-capture/stop).
- New POST method to reset the RPP system back to its factory default settings (https://<RPP_IP>:8443/api/rest/troubleshooting-utilities/reset-to-defaults).
- New resources added:
 - plcm-network-packet-capture-request.
 - plcm-network-packet-capture.

plcm-user-domain

New for this release, this resource collection allows users to get the domain list.

plcm-user

- Changes to GET method to retrieve a list of users (https://<RPP_IP>:8443/api/rest/users).
 - New query parameters:
 - ❖ user (string).
 - ❖ conference-room-id (string).
 - ❖ custom-conference-rooms-only (string).
 - Added paging support.
- New DELETE method to log out the current user (https://<RPP_IP>:8443/api/rest/users/self/logout).
- New GET method to retrieve the login history of current user (https://<RPP_IP>:8443/api/rest/users/self/login-history).

- New GET method to retrieve the default values for user (https://<RPP_IP>:8443/api/rest/users/default).
- New resources added:
 - plcm-user-defaults.
 - plcm-user-list-v4.
 - plcm-user-v4.
 - plcm-user-login-history.
- Changes to plcm-user-v3:
 - New fields added:
 - ❖ enterprise-chairperson-passcode (string).
 - ❖ enterprise-conference-passcode (string)
 - ❖ territory-name (string).
 - ❖ conference-room (list).
 - Field changes:
 - ❖ Max length for chairperson-passcode is 16.
 - ❖ Max length for conference-passcode is 16.

plcm-user-domain

New for this release, this resource collection allows users to retrieve, update, and delete VPN configurations.

RealPresence Platform API Version 3.4.0

The following are the changes between RealPresence Platform API version 3.4.0 and 3.2.1.

plcm-conference-template

- The enum value PARTICIPANTS_PRIORITY has been added to all versions of the plcm-conference-template resource's *telepresence-layout-mode* field.
- Added new fields in the plcm-conference-template-v7 resource to support Microsoft RDP content sharing and panoramic layout:
 - enable-ms-rdp-content (boolean).
 - panoramic-layout (boolean).

plcm-mcu

- Added new field in the plcm-mcu-v6 resource to support Microsoft RDP content sharing:
 - supports-ms-rdp-content (boolean).

plcm-conference-room

- Added new fields in the plcm-conference-room-v3 resource to support Polycom One Touch Dial App for Microsoft Office 365:
 - focus-uri (string).
 - lync-registered-domain (string).

RealPresence Platform API Version 3.2.1

The following are the changes between RealPresence Platform API version 2.7.1 and 3.2.1.

plcm-conference

The resources `plcm-conference-list-v4` and `plcm-conference-v4` resources have been added. The `plcm-conference-list-v4` can be queried by device identifier.

plcm-provision

New for this release, this resource collection allows you to config `admin-config-provisioning-profile` and `network-provisioning-profile`, and retrieve information for them.

plcm-network-device

New for this release, the resource `plcm-dma-local-cluster` can be added and retrieved.

plcm-enterprise-directory

New for this release, this resource collection allows you to config enterprise directory and retrieve information about it.

RealPresence Platform API Version 2.7.1

The following are the changes between RealPresence Platform API version 2.6.2 and 2.7.1.

plcm-conference

In the `plcm-participant-v2` resource, the `dtmf-suffix` field now accepts the * (asterisk) character.

plcm-conference-room

In the `plcm-dial-out-participant` and `plcm-dial-out-participant-v2` resources, the `dtmf-suffix` field now accepts the * (asterisk) character.

plcm-log-archive

New for this release, this resource collection allows you to initiate the process to roll logs and retrieve information about log archives.

plcm-presence-config

New for this release, this resource collection allows you to configure Microsoft Lync presence publishing.

Improved Validation Error Messages

As part of this release, validation error messages have become more user-friendly. If you omit a mandatory field from a PUT or POST payload, validation error messages now specify clearly which field is missing. Unrecognized fields that you include with a PUT or POST payload are now silently discarded, and do not produce an error message.

JSON Support for the API

JSON (Javascript Object Notation) is now available for use with the API as an alternative to XML. It can be used as a payload format anywhere XML is used.

To enable JSON, use the `+json` media type suffix instead of the `+xml` media type suffix in the 'Accept' and 'Content-Type' headers. For example, to specify XML for the `plcm-conference-room-v2` resource, use the following request format:

```
Accept: application/vnd.plcm.plcm-conference-room-v2+xml
```

To specify JSON for the same request, use the following format:

```
Accept: application/vnd.plcm.plcm-conference-room-v2+json
```

If you do not specify an 'Accept' header in your requests, XML is used as the default payload type.

Note that there is a change in the way the server handles requests. Previously, the media type negotiation in the 'Accept' header was not enforced and could be omitted. Beginning with this version of the RealPresence DMA system API, you must specify the media type and version in the 'Accept' header for GET requests. If the 'Accept' header is omitted entirely, the server will choose a media type and version on behalf of the client, even if the media type and version it chooses is not compatible with the client. Polycom strongly recommends using the 'Accept' header in all GET requests.

RealPresence Platform API Version 2.6.2

The following are the changes between RealPresence Platform API version 2.6.1 and 2.6.2.

plcm-conference

- The resources `plcm-participant-v2`, `plcm-participant-list-v2`, and `plcm-participant-notification-v2` have been added.
- The `plcm-dial-out-participant-v2` resource supports the following new fields:
 - `audio-only` (boolean).
 - `dtmf-suffix` (string).
 - `Encrypted-media` (boolean).
 - `auto-disconnect` (boolean).
- POSTs to the `"/api/rest/conferences/{conference-identifier}/participants"` object now accept `plcm-dial-out-participant-v2` as well as `plcm-participant`.

plcm-conference-room

The resources `plcm-dial-out-participant-v2`, `plcm-conference-room-v3`, and `plcm-conference-room-list-v3` have been added.

plcm-mcu

The `plcm-mcu-v5` and `plcm-mcu-list-v5` resources have been added. They allow you to specify the number of "overall" reserved ports per MCU in cascading scenarios.

RealPresence Platform API Version 2.6.1

The following are the changes between RealPresence Platform API version 2.6.0 and 2.6.1.

- The GET method of `https://<RPP IP>:8443/api/rest/conferences` can retrieve the ongoing and scheduled conferences according to the user's permission. If the user has the Conference Operator permission, the user can see the ongoing and scheduled conferences created by any user. If the user has the Conference Operator (Restricted) permission, the user can only see the ongoing conferences that user has created.
- The GET method of `https://<RPP IP>:8443/api/rest/reservations` is changed to allow for ISDN participants to be included in the retrieved conference since API v2.6.1.

RealPresence Platform API Version 2.6.0

The following are the changes between RealPresence Platform API version 2.5.5 and 2.6.0.

plcm-alert

The `plcm-alert-subscription` resource has been added to this resource collection.

plcm-call-server

The `plcm-call-server-v2` resource has been added, supporting the **Bit rate to bandwidth conversion factor** Call Server setting.

plcm-conference

The `plcm-conference-v2`, `plcm-conference-list-v2`, and `plcm-conference-notification-v2` resources have been added, allowing you to receive information on conference focus URIs associated with Lync conferences.

plcm-conference-template

The `plcm-conference-template-v6` and `plcm-conference-template-list-v6` resources have been added. To support Polycom MCU version 8.5 features, these resources contain the following new fields:

- `site-name-color`.
- `site-name-display-position`.
- `site-name-display-mode`.
- `site-name-font-size`.
- `site-name-horizontal-position`.
- `site-name-text-color`.
- `site-name-transparency`.
- `site-name-vertical-position`.

plcm-ext-sip-peer

- The `plcm-ext-sip-peer-v3` and `plcm-ext-sip-peer-list-v3` resources have been added, containing the additional "RequestUriFormat" value `REQ_MICROSOFT_WITHOUT_CSS`.
- The `plcm-ext-sip-peer-v4` and `plcm-ext-sip-peer-list-v4` resources have been added, allowing you to specify a SIP peer GRUU value for Microsoft Lync integrations.

plcm-site

- The `plcm-data-rate` resource has been added, allowing you to specify the data rate of the bandwidth data in the object.
- The `plcm-site-list-v4` and `plcm-subnet-list-v3` resources have been added, supporting the `plcm-data-rate` resource.

plcm-site-link

The `plcm-site-v4`, `plcm-site-link-v3`, and `plcm-site-link-list-v3` resources have been added, supporting the `plcm-data-rate` resource.

RealPresence Platform API Version 2.5.5

plcm-mcu

The `plcm-mcu-v5` and `plcm-mcu-list-v5` resources have been added. They allow you to specify the number of “overall” reserved ports per MCU in cascading scenarios.

RealPresence Platform API Version 2.5.4

The following are the changes between RealPresence Platform API version 2.5.3 and 2.5.4.

- If you attempt to change the site topology while the RealPresence DMA system is integrated with the RealPresence Resource Manager system, the RealPresence DMA system returns the following status code:

409: Site topology change is not allowed when DMA is integrated with RPRM.

This change affects the following resource collections:

- `plcm-network-cloud`.
- `plcm-site`.
- `plcm-site-link`.
- `plcm-site-to-site-exclusion`.
- `plcm-territory`.

RealPresence Platform API Version 2.5.3

The following are the changes between RealPresence Platform API version 2.5.2 and 2.5.3.

plcm-user

- The `plcm-user-v3` and `plcm-user-list-v3` resources have been added.
- The `plcm-user-v3` resource adds the new fields `chairperson-passcode` and `conference-passcode`.
- The `plcm-user-list-v3` resource returns a list of `plcm-user-v3` resources.

RealPresence Platform API Version 2.5.2

The following are the changes between RealPresence Platform API version 2.4.1 and 2.5.2.

plcm-alert

New for this release, this resource collection provides access to system alert information.

plcm-alerting-config

New for this release, this resource collection allows system alert configuration.

plcm-conference

- The following new resources have been added:
 - suspend-video-all-except.
 - resume-video-all.
 - mute-all-audio-except-chair.
 - set-join-mute-audio-except-chair.
 - unmute-all-audio-except-chair.
 - set-join-unmute-audio-except-chair.
 - mute-all-video-except-chair.
 - set-join-suspend-video-except-chair.
 - unmute-all-video-except-chair.
 - set-join-resume-video-except-chair.
- The documentation for the `set-join-new-calls-muted` resource has been updated for the **plcm-conference** resource collection.

plcm-conference-room

- The `plcm-conference-room-v2` and `plcm-conference-room-list-v2` resources have been added.
- The 'max-participants' field is now validated in this resource collection.

plcm-conference-settings

- Fields in the `plcm-conference-settings` and `plcm-conference-settings-v2` resources are now validated.
- The documentation for
- Media type has been updated for this resource collection.
- The documentation for status code 403 has been updated for this resource collection.
- New status codes have been documented for this resource collection.

plcm-conference-template

- The `plcm-conference-template-v5` resource has been added.
- New status codes have been added to the documentation for this resource collection.

plcm-config

New resources for call server, history retention, logging, and physical limits configuration have been added.

plcm-dma-supercluster

- New status codes have been added to the documentation for this resource collection.
- The new parameters 'value' and 'type' have been added to the `/value` resource.
- The “password” field in the `plcm-dma-supercluster-join-request` resource is now mandatory.
- The new, optional field “detailed-error-code” has been added to the `plcm-error` resource.

plcm-ext-sip-peer

- Field descriptions have been updated in the `plcm-ext-sip-peer` resource.
- The “password” field is now mandatory.
- New status codes have been added to the documentation for this resource collection.

plcm-mcu

- The optional field “supports-SVC” has been added to the `plcm-mcu-v2` and `plcm-mcu-v3` resources.
- The `plcm-mcu-v4` and `plcm-mcu-list-v4` resources have been added.

plcm-mcu-pool

The `plcm-mcu-pool-v2` and `plcm-mcu-pool-list-v2` resources have been added.

plcm-mcu-pool-order

The `plcm-mcu-pool-order-v2` and `plcm-mcu-pool-order-list-v2` resources have been added.

plcm-network-cloud

The documentation for media type has been updated for this resource collection.

plcm-presence-config

New for this release, this resource collection allows you to configure presence settings.

plcm-signaling-config

New status codes have been added to the documentation for this resource collection.

plcm-site

The `plcm-site-v3` and `plcm-site-list-v3` resources have been added; be sure to use this version of the resources. The `plcm-site-v2` and `plcm-site-list-v2` resources have been deprecated.

plcm-site-topology

The documentation for media type has been updated for this resource collection.

plcm-snmp-config

New for this release, this resource collection allows you to configure SNMP settings.

plcm-territory

The `plcm-territory-v2` and `plcm-territory-list-v2` resources have been added.

plcm-time

New for this release, this resource collection allows you to configure time settings.

plcm-user

- The `plcm-user-v2` and `plcm-user-list-v2` resources have been added.
- New status codes have been added to the documentation for this resource collection.

RealPresence Platform API Version 2.4.3

The following are the changes between RealPresence Platform API version 2.2.0 and 2.4.2.

plcm-device

The following three parameters have been added to the `plcm-device` resource:

- `username` – Return only devices that match the specified username.
- `domain` – Return only devices that are part of the specified network domain.
- `deviceModel` – Return only devices that match the specified device model.

Using these parameters in a GET request, you can filter the returned device list. For example:

<https://localhost:8443/api/rest/devices?username={username}&domain={domain}&device-model={deviceModel}>

RealPresence Platform API Version 2.4.2

The following are the changes between RealPresence Platform API version 2.2.0 and 2.4.2.

plcm-time

New for this release, this resource collection allows you to retrieve and change the system's time configuration.

plcm-reservation

- The enum values `H323_E164`, `H323_ANNEX_O`, and `H323_ID` have been added to the `plcm-reserved-participant` resource's `connection-type-enum` field.
- The `dial-number` field is now strictly validated in the `plcm-reserved-participant` resource. The `dial-number` field must match `connection-type-enum` and `device-id` (if defined).

RealPresence Platform API Version 2.2.0

The following are the changes between RealPresence Platform API version 2.0.1 and 2.2.0.

plcm-snmp-config

New for this release, this resource collection allows you to retrieve and change the system's SNMP configuration.

plcm-log-config

New for this release, this resource collection allows you to retrieve and change the current logging configuration.

RealPresence Platform API Version 2.0.1

The following are the changes between RealPresence Platform API version 1.7.7 and 2.0.1.

plcm-device

- The export-inventory resource has been added, allowing you to retrieve information about a device.
- The plcm-device-v2 resource has been added. The *device-type*, *manage-mode*, *serial-number*, *site*, and *plcm-device-status* fields have been added to the plcm-device-v2 and plcm-device-v3 resources.

plcm-dial-string-reservation

New for this release, this resource collection allows you to create, update, retrieve and delete a dial string reservation.

plcm-remote-alert-profile

New for this release, this resource collection allows you to list remote alert profiles and retrieve information about individual remote alert profiles.

plcm-reservation

- The plcm-reservation resource now supports retrieving reservations based on recurrence identifiers.
- The plcm-sched-recurrence resource has been added to this resource collection.
- The fields *user-type-enum*, *mode-enum*, *bit-rate-enum*, and *device-id* have been added to the plcm-reserved-participant resource.

plcm-user

- A link to plcm-dial-string-reservation information has been added to the GET method response of <https://localhost:8443/api/rest/users/{domain}/{username}>.
- The maximum length of the username, first-name, and last-name fields is now 256 characters.
- The *uuid* field has been added to this resource.

RealPresence Platform API Version 1.7.7

The following are the changes between RealPresence Platform API version 1.7.6 and 1.7.7.

plcm-billing

The following status code has been added to this resource collection:

503: The maximum number of concurrent CDR queries has been reached. Please wait for an existing query to complete.

plcm-site

The following has been added to this resource collection:

409: Site name is limited to 52 characters when Embedded DNS is enabled.

RealPresence Platform API Version 1.7.6

The following are the changes between RealPresence Platform API version 1.7.5 and 1.7.6.

plcm-notification

The plcm-subscription-v2 resource has been added. This resource includes a separate list of parameters previously embedded in the plcm-subscription resource.

RealPresence Platform API Version 1.7.5

The following are the changes between RealPresence Platform API version 1.7.4 and 1.7.5.

plcm-conference

The field *audio-mute-by-mcu* has been added to the plcm-participant resource.

RealPresence Platform API Version 1.7.4

The following are the changes between RealPresence Platform API version 1.7.2 and 1.7.4.

plcm-conference-room

In the plcm-conference-room resource, the *conference-room-identifier* field now accepts the pattern “[0-9a-zA-Z~!@%*~!@%*_-+={}\[\]\\\V?\.]*”. Previously, the field only accepted the pattern “[0-9a-fA-F!~\$]*”.

RealPresence Platform API Version 1.7.2

The following are the changes between RealPresence Platform API version 1.7.1 and 1.7.2.

plcm-conference-settings

The width of the fields *min-room-id* and *max-room-id* has been changed from int32 to int64 in the plcm-conference-settings and plcm-conference-settings-v2 resources.

plcm-conference-template

The `plcm-conference-template-v4` resource and associated create, read, update, and delete operations have been added.

RealPresence Platform API Version 1.7.1

The following are the changes between RealPresence Platform API version 1.2.2, shipped with RealPresence system version 5.2.2.6, and RealPresence Platform API version 1.7.1.

plcm-conference

- The `set-chairperson` resource has been added, allowing you to set a participant as a chairperson.
- The new fields `forward-dtmf-source`, `audio-mute-by-endpoint`, and `video-mute-by-endpoint` have been added to the `plcm-participant` resource.
- The field `cascade-link-identifier` is now mandatory for the `plcm-cascade-link` resource.

plcm-conference-room

- In the `plcm-conference-room` resource, the allowed `conference-room-identifier` pattern has been changed from "[0-9a-fA-F!~\$]+" to "[0-9a-fA-F!~\$]*".
- An error message for an invalid start or end time when creating or updating a conference room has been added.

plcm-conference-settings

New for this release, this resource collection allows you to manipulate default conference settings system-wide.

plcm-conference-template

- The new resource `plcm-conference-template-v3` has been added. This version of the resource adds the fields `audio-only-conference`, `conference-mode-experience`, `as-sip-content`, `conference-chairperson-termination`, and the enum `PREFER_TIP` in the field `tip-compatibility`.
- Support for creating and updating `plcm-conference-template-v3` as well as deleting any version of `plcm-conference-template` has been added.
- The field `conference-chairperson-termination` has been added to the `plcm-conference-template` and `plcm-conference-template-v2` resources.

plcm-dma-supercluster

New for this release, this resource collection allows you to control supercluster operations.

plcm-ext-sip-peer

New for this release, this resource collection allows you to control external SIP peer operations.

plcm-mcu

The `plcm-mcu-v3` resource has been added. This resource adds the `alert-when-mcu-unregisters` field.

plcm-network-cloud

New for this release, this resource collection allows you to control network cloud operations.

plcm-signaling-config

New for this release, this resource collection allows you to control system signaling preferences.

plcm-site-link

New for this release, this resource collection allows you to control site link configuration.

plcm-site

New for this release, this resource collection allows you to configure site preferences.

plcm-site-topology

Support has been added for the new **plcm-site**, **plcm-site-link**, and **plcm-site-to-site-exclusion** resource collections.

plcm-site-to-site-exclusion

New for this release, this resource collection allows you to configure site-to-site exclusions within the site topology.

plcm-territory

Support has been added for creating, updating, and deleting territories.

plcm-user

- The length of the fields *first-name*, *last-name*, and *username* have been changed from 128 to 256 characters.
- The pattern validation for the *username* field has been changed from "[^\\|\\\\|:;|=+!*\\?@<>\\"]*" to "[^:]*".

Getting Started

Understanding Basic Concepts

The Polycom® RealPresence Platform API uses an XML or JSON encoding over HTTPS transport. The API adheres to a Representational State Transfer (REST) architecture. This document assumes that the reader has a basic understanding of XML, JSON, and HTTPS, and is unfamiliar with REST.

Resources and HTTP Methods

Each data object accessible through the API is modeled as a resource. Some example resources are ***users***, ***conference rooms***, ***conferences***, and ***conference participants***. Each resource is uniquely identified by a URL and is referenced by means of the URL path.

You access the API and manipulate resources by using standard REST conventions. Each API method is invoked using one of the following HTTP methods:

- GET - performs a read operation.
This operation returns a representation of a resource. GET is guaranteed to be a “safe” operation. It will never modify the state of the system. GET typically takes no input except the resource URL, and typically returns HTTP headers and an XML or JSON document as output.
- POST - performs a create operation.
This operation creates a new resource. POST is also used for operations that modify the state of the system that are more complex than simply updating a resource state. POST typically takes an XML or JSON document as input, and returns only HTTP headers as output.
- PUT - performs an update operation.
This operation replaces the data for a resource with a new set of data. PUT typically takes an XML or JSON document as input, and returns only HTTP headers as output.
- DELETE - performs a delete operation.
This operation removes a resource from the system. DELETE typically takes no input except the resource URL, and returns only HTTP headers as output.

Notes

- All four HTTP methods are not always available for each resource. For example, some resources only support HTTP GET.
- In the case of errors, any of the HTTP methods can return an XML or JSON **plcm-error** document.

Recommended HTTP GET Optimization (Conditional GET)

The use of an HTTP conditional GET ensures that representations are only returned back to the API client if the resource has changed. This reduces unnecessary network bandwidth consumption by eliminating the XML or JSON entity body in the response.

As a result, the API client retrieves the Entity Tag (ETag) value from the initial HTTP GET. The API client can now specify this ETag in subsequent GET request's body or ***If-None-Match*** header. The server compares the request ETag value with the server's current resource state.

If you adopt this approach, the following rules apply:

- The <EntityTag> field in the request body is always checked first. If the <EntityTag> field is not present, the Etag in the header is checked.
- If the ETag does not exist in the body or in the ***If-None-Match*** header, always return the full representation with the HTTP status code of: 200 OK.
- If the ETag value exists in the body or in the ***If-None-Match*** header, but does not match the ETag of the server resource, then the server assumes that the resource has changed. As a result, the server returns the full representation with the HTTP status code of: 200 OK.
- If the ETag value exists in the body or in the ***If-None-Match*** header, and the values match the ETag of the server resource, then no representation is supplied in the HTTP response entity-body. The server returns with the HTTP status code of: 304 Not Modified.

Recommended HTTP PUT Request Concurrency Control (Conditional PUT)

The use of an HTTP conditional PUT ensures that resources are correctly modified by preventing lost updates.

As a result, the API client should be required to specify the previously retrieved representation's Entity Tag (ETag) value. This value will be added in the subsequent PUT request's ***If-Match*** header. Alternatively, the ETag can be defined in the entity-body. Either way, one or both ETag value parameters must be defined. The server compares the request ETag value with the server's current resource state.

If you adopt this approach, then the following rules apply:

- The <EntityTag> field in the request body is always checked first. If the <EntityTag> field is not present, the Etag in the header is checked.
- If the ETag does not exist in the body or in the ***If-Match*** header, the server will respond with an error representation (PlcmError) that contains a descriptive message stating that the ETag is required. Also, the response must contain the HTTP status code: 428 Precondition Required.
- If the ETag value exists in the body and/or in the ***If-Match*** header, but does not match the ETag of the server resource, the server will respond with an error representation (PlcmError) that contains a descriptive message stating that the resource has changed on the server. Also, the response will contain the HTTP status code: 412 Precondition Failed.
- If the ETag value exists in the body and/or in the ***If-Match*** header, and the values match the ETag of the server resource, then the update can proceed. The HTTP response will contain an ETag header with the updated value, a resource link in the Location header, and an HTTP status code: 204 No Content.

Updating resources

When you update a resource using the PUT method, it will completely replace the server's representation with the new version passed. For this reason, you should update a resource in the following way:

- GET the resource to be updated and its Etag.
- Change values in the returned representation.
- PUT the representation with the previously obtained Etag.

Simple User Resource Example

Consider the default 'LOCAL\admin' user as an example.

Get Method

You can perform an HTTP GET request for this resource by typing the URL into a web browser.

The URL of a user is: `https://<server>:<port>/api/rest/users/<domain>/<username>`

On the RealPresence DMA system “carrot” the URL for the local admin user resource is:
`https://carrot:8443/api/rest/users/LOCAL/admin`

On the RealPresence Resource Manager system “RPRM-01”, the URL for the local user admin resource is:
`https://RPRM-01:8443/api/rest/users/LOCAL/admin`

The browser will report a certificate trust issue. This is expected, since the server is configured by default to offer an unsigned certificate. Instruct the browser to ignore the issue.

The Authentication Required screen will be displayed. Authentication is required to access the resource.

Enter the **username** and **password** of an administrator user. These are the same credentials used to login from the GUI.

The browser will ask you to identify what application to use to display the user resource:

Select **Browse** and choose to open the resource in a browser or text editor.

The browser displays the user resource.

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <ns4:plcm-user xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
user-role" xmlns:ns3="urn:com:polycom:api:rest:plcm-user-role-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-user">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-user+xml" rel="self"
href="https://server:port/api/rest/users/LOCAL/admin"/>
  <link title="Owned Conference Rooms" type="application/vnd.plcm.plcm-conference-room+xml"
rel="urn:com:polycom:api:rest:link-relations:owned-conference-rooms"
href="https://server:port/api/rest/conference-rooms?username=admin&domain=LOCAL"/>
  <ns3:plcm-user-role-list>
    <ns2:plcm-user-role>
      <ns2:name>Administrator</ns2:name>
    </ns2:plcm-user-role>
    <ns2:plcm-user-role>
      <ns2:name>Auditor</ns2:name>
    </ns2:plcm-user-role>
    <ns2:plcm-user-role>
      <ns2:name>Provisioner</ns2:name>
    </ns2:plcm-user-role>
  </ns3:plcm-user-role-list>
  <ns4:username>admin</ns4:username>
  <ns4:first-name>Default</ns4:first-name>
  <ns4:last-name>System Administrator User</ns4:last-name>
  <ns4:domain>LOCAL</ns4:domain>
  <ns4:disabled>>false</ns4:disabled>
  <ns4:locked>>false</ns4:locked>
  <ns4:entity-tag>260dc1ffa9ac8d1bafa2d2ba41115bd7</ns4:entity-tag>
</ns4:plcm-user>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1292
Content-Type: application/vnd.plcm.plcm-user+xml
Date: Fri, 18 May 2012 15:47:09 GMT
Etag: "260dc1ffa9ac8d1bafa2d2ba41115bd7"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

The URL <https://carrot:8443/api/rest/users/LOCAL/admin> represents a **plcm-user** resource with a **username** of **admin**, a **first-name** of **Default**, and a **last-name** of **System Administrator User**.

You can perform the same HTTP GET request using the RestClient plugin for FireFox instead of a web browser. The RestClient plugin allows you to specify the HTTP method, PUT/POST body, and header information that you cannot conveniently get from the browser.

You can also perform the same HTTP GET request from a Linux command line instead of a web browser using the curl utility:

```
curl --silent --insecure --user admin:admin
https://carrot:8443/api/rest/users/LOCAL/admin | xmllint --format -
```

The curl utility is a Linux command line program that will perform an HTTP GET.

- The --insecure option to curl tells it to skip certificate validation, similar to what you did in the browser.
- The --user option tells curl the **username** and **password** to use when authenticating with the server.

xmllint is a Linux program that will format XML for easier reading.

POST Method

Similarly, you can use curl to create a user by sending an HTTP POST request with user data to the server.

The echo command writes the user XML to standard output:

- The --data @- option tells curl to read the data output by the echo command.
- The --header option tells curl what Content-Type HTTP header to use. The Content-Type header is explained in the “Software Versioning Considerations” section.
- The --request POST option tells curl to perform an HTTP POST operation instead of an HTTP GET operation.
- The --include option tells curl to output the HTTP headers returned by the server.

Request Body:

```
echo '<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<plcm-user
  xmlns="urn:com:polycom:api:rest:plcm-user"
  xmlns:ns2="urn:com:polycom:api:rest:plcm-user-role"
  xmlns:ns3="urn:com:polycom:api:rest:plcm-user-role-list">
  <ns3:plcm-user-role-list>
    <ns2:plcm-user-role>
      <ns2:name>Administrator</ns2:name>
    </ns2:plcm-user-role>
    <ns2:plcm-user-role>
      <ns2:name>Auditor</ns2:name>
    </ns2:plcm-user-role>
  </ns3:plcm-user-role-list>
  <username>example</username>
  <first-name>Example</first-name>
  <last-name>User</last-name>
  <domain>LOCAL</domain>
  <password>password</password>
  <disabled>>false</disabled>
  <locked>>false</locked>
</plcm-user>
' | curl --data @- --user admin:admin --header "Content-Type: application/vnd.plcm.plcm-
user+xml" \--request POST --insecure --include https://carrot:8443/api/rest/users
```

Response Header:

```
Status Code: 201 Created
Content-Length: 0
Date: Fri, 18 May 2012 16:00:59 GMT
Etag: "7f2e3a433f13efc0dc91fcae435d4d03"
Location: https://server:port/api/rest/users/LOCAL/example
Server: false
X-Powered-By: Proximo
```

The response header returned by the server indicates that the URL for the newly created user resource is: <https://carrot:8443/api/rest/users/LOCAL/example>

Note

The following example is for the RealPresence DMA system and will not work on the RealPresence® Resource Manager system.

DELETE Method

The user can also be deleted with an HTTP DELETE request.

URL: <https://<server>:<port>/api/rest/users/LOCAL/user1>

Response Header:

In these examples, we used a web browser and curl as HTTP clients because they are easily available and their operation can be described in a self-contained way.

Examples for other resources can be found in

Note

The system only supports HTTPS connections with BASIC authentication. The client must support this, or it will not work. The system does not support unencrypted HTTP.

The API is not platform specific, and any other HTTP client could have been used instead. Readers are encouraged to use the HTTP client best suited to their development environment. Nevertheless, it is frequently useful to have curl available as it is a very useful troubleshooting tool. Using curl and a text editor, a developer may invoke any API operation and see the result with minimal overhead.

Resource Descriptions

The API is organized into collections of resources accessed by HTTP methods, and is formally described by a set of Web Application Description Language (WADL) and XML Schema (XSD) documents.

The RealPresence Platform API reference documentation provides descriptions of the available resources and methods. On a RealPresence DMA system, you can access the RealPresence Platform API reference documentation by browsing to the following URL:

<https://<ip address or hostname of system>:8443/api/rest/documentation/>

Note

See <http://www.w3.org/Submission/wadl/> for the WADL specification.

See <http://www.w3.org/XML/Schema> for information about XSD.

The WADL resource documents provide the following information:

- The resources the API exposes (each WADL describes one resource).
- A list of referencing XSDs.
- Paths to available HTTP methods.
- The path to a resource.
- The HTTP methods that are available for each resource, their parameters and possible response codes.

The XSD documents provide the following information:

- The schema of the XML document that defines the attributes of each resource.

The WADL and XSD documents that describe the API are available in three different forms:

- The API development kit contains the complete set of these documents.
- The documents are available from each server at runtime, via special URLs.
- The API reference documentation is composed of the WADL and XSD documents reformatted to make them more readable.

Note

The following example is for the RealPresence DMA system and will not work on the RealPresence® Resource Manager system.

As an example we will request the WADL and XSD documents from the server for the user resource using the curl command:

```
curl --silent --insecure --user admin:admin  
https://carrot:8443/api/rest/users?_wadl | xmllint --format -
```

Response Body:

```
<application xmlns="http://wadl.dev.java.net/2009/02" xmlns:plcm-
error="urn:com:polycom:api:rest:plcm-error" xmlns:plcm-user="urn:com:polycom:api:rest:plcm-
user" xmlns:plcm-user-list="urn:com:polycom:api:rest:plcm-user-list"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://wadl.dev.java.net/2009/02
http://www.w3.org/Submission/wadl/wadl.xsd">
  <doc title="User" />
  <grammars>
    <include href="https://server:port/api/rest/users/xml.xsd" />
    <include href="https://server:port/api/rest/users/atom.xsd" />
    <include href="https://server:port/api/rest/users/plcm-error.xsd" />
    <include href="https://server:port/api/rest/users/plcm-user.xsd" />
    <include href="https://server:port/api/rest/users/plcm-user-list.xsd" />
    <include href="https://server:port/api/rest/users/plcm-user-role.xsd" />
    <include href="https://server:port/api/rest/users/plcm-user-role-list.xsd" />
  </grammars>
  <resources base="https://server:port/api/rest/users/">
    <resource id="com.polycom.api.rest.PlcmUserResource" path="/users">
      <method id="search" name="GET">
.....
      </resource>
    </resources>
  </application>
```

Once you have the WADL you can then request the user XSD document from the server with the command:

```
curl --silent --insecure --user admin:admin https://carrot:8443/api/rest/users/plcm-user.xsd | xmllint --
format -
```

The WADL can also be retrieved using RestClient. RestClient allows you to use a GUI to view the XSD instead of having to issue additional commands.

Readers are encouraged to familiarize themselves with the format of the WADL and XSD files and the RealPresence Platform API reference documentation. The most specific and detailed information about the API can be found in the reference documentation.

In theory, both WADL and XSD are specific and formal enough that they can be used by automated tools to generate client code. In practice, there are many good tools for generating XML parsers from XSD files, but there are not yet good tools for generating client code from WADL.

Links and Navigation

A RESTful API requires the server to provide a mechanism for an API client to navigate from one resource to another through a relationship of links. The XML representation document for a resource will contain a set of one or more links to related resources.

These links are supplied in the entity body in the form of an Atom link. When a resource is created, a location header is supplied that contains the URL to the created resource. The links contain various attributes that can be set with values that are either standard or customized values.

The general format is the following:

```
<link title="<some title>" type="<media type>" rel="<relation type>"  
href="<resource URL>"
```

The *title* attribute

This attribute will contain a short, but descriptive title for this link.

Example

```
title="Owned Conference Rooms"
```

The *type* Attribute

The *type* attribute will contain the media type value that corresponds to the target link. The media type will comply with the following format:

- application
Indicates that the resource is associated with an application
- vnd.plcm
The "vnd" section indicates that the media type is "vendor" specific and the "plcm" section identifies this as a Polycom vendor.
- resource name
The name of the resource, such as "plcm-user"
- subtype
Identifies the resource representation format such as XML, JSON, text, etc.

Example (using XML subtype)

```
type="application/vnd.plcm.plcm-conference-room+xml"
```

Example (using JSON subtype)

```
type="application/vnd.plcm.plcm-conference-room+json"
```

The *rel* Attribute

The *relation* type attribute provides context for the API client that will operate on the link. All API resources use custom relation types instead of the standard *related* value.

For example, a **User** resource can be an owner to one or more conference rooms.

Example

```
rel="urn:com:polycom:api:rest:link-relations:conference-room-owner"
```

The *href* Attribute

This attribute will contain the URL where the resource resides.

Example

```
href="https://<hostname>:8443/api/rest/conference-  
rooms?username=admin&domain=LOCAL"
```

Note

Information on Atom links can be found here: <http://tools.ietf.org/html/rfc4287>.

Link Example

For example, the **user** resource contains a self link and a link to the list of **conference rooms** that belong to the user:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <ns4:plcm-user xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
user-role" xmlns:ns3="urn:com:polycom:api:rest:plcm-user-role-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-user">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-user+xml" rel="self"
href="https://server:port/api/rest/users/LOCAL/admin"/>
  <link title="Owned Conference Rooms" type="application/vnd.plcm.plcm-conference-room+xml"
rel="urn:com:polycom:api:rest:link-relations:owned-conference-rooms"
href="https://server:port/api/rest/conference-rooms?username=admin&domain=LOCAL"/>
  <ns3:plcm-user-role-list>
    <ns2:plcm-user-role>
      <ns2:name>Administrator</ns2:name>
    </ns2:plcm-user-role>
    <ns2:plcm-user-role>
      <ns2:name>Auditor</ns2:name>
    </ns2:plcm-user-role>
    <ns2:plcm-user-role>
      <ns2:name>Provisioner</ns2:name>
    </ns2:plcm-user-role>
  </ns3:plcm-user-role-list>
  <ns4:username>admin</ns4:username>
  <ns4:first-name>Default</ns4:first-name>
  <ns4:last-name>System Administrator User</ns4:last-name>
  <ns4:domain>LOCAL</ns4:domain>
  <ns4:disabled>>false</ns4:disabled>
  <ns4:locked>>false</ns4:locked>
  <ns4:entity-tag>260dc1ffa9ac8d1bafa2d2ba41115bd7</ns4:entity-tag>
</ns4:plcm-user>
```

The self link is the following line:

```
<link title="Self Relationship" type="application/vnd.plcm.plcm-user+xml"
rel="self" href="https://<server>:<port>/api/rest/users/LOCAL/admin"/>
```

Another example is the **conference** resource, which will contain links to:

- The **conference room** hosting the conference.
- The **MCU** hosting the conference.
- The **user** that owns the conference.
- The list of **participants** for the conference.

When a resource contains a related link to cross reference another resource, the link may resolve to a different server. This technique is used for a variety of virtualization purposes.

The following are some example scenarios:

- When the scheduler on a RealPresence Resource Manager system starts a scheduled conference on a RealPresence DMA 7000 system, the link to the conference that it returns is a resource on the RealPresence DMA 7000 system, not the RealPresence Resource Manager system.

Subsequent conference control and monitoring the API calls must be directed to the RealPresence DMA 7000 system server.

- When the API is used to start a conference on a superclustered RealPresence DMA 7000 system, the conference is started on the server that owns the conference room, not the server where the API request was made.

The link to the **conference** resource returned points to the server used by the API client. For example, in a dual cluster supercluster (cluster A and cluster B), a conference is in progress on cluster B. If the API client queries cluster A for the conference information, the links will point to cluster A even though it is actually running on cluster B. Subsequent conference control and monitoring can be done from any server in a supercluster.

Note

Whenever possible, use the links returned by the API rather than building your own.

Custom Link Relationship Types

The API defines custom relationship types for all atom links to help facilitate programmatic parsing of links.

The following tables are examples of RealPresence DMA system custom relationship types. Not all relationship types are included here.

RealPresence DMA System Custom Relationship Types:

Conference Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: host-conference-room	Hosting Conference Room	This is the specific Conference Room resource that is hosting this Conference resource.
urn:com:polycom:api:rest:link-relations: conference-room-owner	Conference Room Owner	This Conference resource is hosted by the Conference Room resource stated above. As a result, the Conference Room is owned by the specific User resource.
urn:com:polycom:api:rest:link-relations: conference-participants	Conference Participants	These are all the User resources that are participating in the Conference .

Conference Room Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: conference-room-owner	Conference Room Owner	This Conference Room resource is owned by the specific User resource.
urn:com:polycom:api:rest:link-relations: applied-conference-template	Applied Conference Template	This Conference Room resource will apply this Conference Template resource when it hosts a conference.
urn:com:polycom:api:rest:link-relations: containing-mcu-pool-order	Containing MCU Pool Order	This Conference Room resource will use this MCU Pool Order resource to select MCUs when this room actively hosts a conference.
urn:com:polycom:api:rest:link-relations: start-conference-request	Start Conference Request	This Conference resource can start a conference that will be hosted by this Conference Room resource.

MCU Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: containing-mcu-pool	Containing MCU Pool	An MCU resource is contained in zero or more MCU Pool resources.

MCU Pool Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: containing-mcu-pool-order	Containing MCU Pool Order	This MCU Pool resource is contained in zero or more MCU Pool Order resources.
urn:com:polycom:api:rest:link-relations: contained-mcu	Contained MCU	This is an MCU resource contained in the MCU Pool resource.

MCU Pool Order Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: contained-mcu-pool	Contained MCU Pool	This MCU Pool Order resource contains zero or more MCU Pool resources.

User Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: owned-conference-rooms	Owned Conference Rooms	This User resource owns zero or more Conference Room resources.

RealPresence Resource Manager Custom Relationship Types:

Device Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: device-owner	Device Owner	This Device resource is owned by a User resource.
urn:com:polycom:api:rest:link-relations: belongs-to-area	Belongs to Area	This Device resource belongs to an Area resource.

User Link Relationships

Name	Title	Description
urn:com:polycom:api:rest:link-relations: owned-devices	Owned Devices	This User resource owns zero or more Endpoint resources.
urn:com:polycom:api:rest:link-relations: member-of-group	Member of Group	This User resource is a member of a Group resource.
urn:com:polycom:api:rest:link-relations: belongs-to-area	Belongs to Area	This User resource belongs to an Area resource.

Authentication and Authorization

Authentication is checked against the same set of **usernames** and **passwords** that allow GUI login access.

For a local user account, a domain does not need to be specified. If a domain is not specified, the system will assume **Local**. For an enterprise user account, the domain is required and **username** must be in the format of **domain\username**.

Each product in the RealPresence Platform uses a distinctive authentication realm for the API. Although it's not necessary to use this information, knowing this may be helpful to your client systems when interacting with multiple components of the platform. The RealPresence DMA system uses 'DMA 7000', whereas the RealPresence Resource Manager system uses 'XMA API'.

Authorization is performed by checking the roles associated with the user account. The roles required for each HTTP method of a given resource is documented in its WADL.

API access is only allowed for authenticated users who are authorized to use the particular API method.

Auditing

All API access is audited.

The RealPresence DMA system can be configured to manage logging and history retention such as Call History, Conference History, and Conference Detail Records (CDRs) from the **Reports** menu. All API usage is tracked and the history will be retained in the system log files for future reference if necessary.

Audit Logs

RealPresence DMA System

All auditing events are logged in server.log. The archived logs can be downloaded at **Maintenance > System Log Files**.

On the RealPresence DMA 7000 system, the audit logs can be obtained by downloading the archived logs, unzipping the log archive, and opening the server.log file with a text editor.

The following is an example of an audit entry in the server.log file:

```
2011-11-29 20:13:52,122|SECURITY|http-0.0.0.0-8443-7:|command_audit_auth|  
auth debug UserID=[admin] SessionID=[0ec9c161-a8c2-4c67-bc07-b9217cb3c965]
```

```
ClientIP=[111.222.111.222] UserAction=[getUser] Result=[SUCCESS]
Parameters=[domain=LOCAL,userId=admin]
```

RealPresence Resource Manager System

All auditing events are logged in Jserver.log. The archived logs can be downloaded at **Reports > System Log Files**.

On the RealPresence Resource Manger system, the audit logs can be obtained by downloading the logs from the **System Log Files** and **Audit Log Files** pages, unzipping the archive, and searching the JServer.log file.

The log entries will look like:

- JServer.log:
17/Nov/2011:17:13:50:796 -0700|INFO |ajp-127.0.0.1-8009-
1|CMALoginModule|(*****)API method GET attempted on /api/rest/groups

Error Handling

The API reports errors using HTTP status codes and sometimes by returning an XML document of type **plcm-error**.

For example: Attempting to get a conference that does not exist returns the following:

- a 404 'Not found' status code.
- a **plcm-error** document.

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<plcm-error xmlns="urn:com:polycom:api:rest:plcm-error">
  <status-code>404</status-code>
  <description>Conference nonexistent does not exist.</description>
</plcm-error>
```

Response Header:

```
Status Code: 404 Not Found
Cache-Control: no-cache
Content-Length: 216
Content-Type: application/vnd.plcm.plcm-error+xml
Date: Fri, 18 May 2012 17:30:03 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

The API servers that encounter an error include a **plcm-error** document in the response whenever possible. However, some requests may fail too early in their processing for a **plcm-error** to be generated.

The possible errors that each API method may encounter, and the status codes associated with them, may be found in the RealPresence Platform API reference documentation and the WADL documents.

In addition, the following table describes some common status codes returned by the API.

Status Code	Description
200 OK	The request has succeeded.
201 Created	The request has been fulfilled and a new resource has been created.
204 No Content	The server has fulfilled the request but does not need to return an entity-body.
304 Not Modified	The resource has not been modified on the server.
400 Bad Request	The request document is not well formed, or is invalid according to its schema.
401 Unauthorized	No login credentials are supplied, or the supplied credentials are invalid.
403 Forbidden	The user's roles do not grant sufficient privileges to invoke the method. 403 may also be returned when the API license is not enabled.
404 Not Found	The URL does not resolve to a valid resource.
406 Not Acceptable	The response is not acceptable according to the accept headers sent in the request.
409 Conflict	The request is valid, but the server is unable to fulfill it due to a problem with the current state of the resource. The user may be able to resolve the conflict and resubmit the request.
412 Precondition Failed	The request contains an E-Tag header that does not match the current E-Tag of the resource.
415 Unsupported Media Type	The client has sent a POST to the server with a content type that the server cannot consume.
428 Precondition Required	The request does not contain an E-tag in the message body or in the header.
500 Internal Server Error	An error occurred on the server that was not related to any problem with the request. Typically this status code will only be returned as a result of a server defect or misconfiguration.

The Passback and Passthru Fields

Many objects, such as users, conference notifications, virtual meeting rooms (VMRs), and templates, have a passback field. This field can hold any arbitrary data you wish to store in it. When you query the object, the system includes the passback value in the response. You can use this field to associate data that is meaningful to you with a certain object for the life of that object. This may be useful, for example, to associate user-related values in a corporate Active Directory database with RealPresence DMA system VMRs, to more easily determine which VMRs a corporate user owns.

Similar to the passback field, the passthru field can be used to associate arbitrary data with certain objects. The passthru field can be used for the same purpose as the passback field. However, data in the passthru field is also included in its own column in CDR output for that object.

See the RealPresence Platform API reference documentation for specific field details.

XML and JSON Payload Formats

You can send and receive data using the RealPresence Platform API in XML or JSON format.

To specify XML or JSON for requests, specify the +xml or +json media type suffix in the 'Accept' and 'Content-Type' headers. For example, to specify XML for the plcm-conference-room-v2 resource, use the following request format:

```
Accept: application/vnd.plcm.plcm-conference-room-v2+xml
```

To specify JSON for the same request, use the following format:

```
Accept: application/vnd.plcm.plcm-conference-room-v2+json
```

If you do not specify an 'Accept' header in your requests, XML is used as the default payload type.

The following is an example of the XML representation of a user object:

```
<ns4:plcm-user xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-user-role"
xmlns:ns3="urn:com:polycom:api:rest:plcm-user-role-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-user"><link
href="https://10.47.19.213:8443/api/rest/users/LOCAL/admin" rel="self"
type="application/vnd.plcm.plcm-user" title="Self Relationship" /><link
href="https://10.47.19.213:8443/api/rest/conference-
rooms?domain=LOCAL&username=admin" rel="urn:com:polycom:api:rest:link-
relations:owned-conference-rooms" type="application/vnd.plcm.plcm-conference-
room" title="Owned Conference Rooms" /><ns3:plcm-user-role-list><ns2:plcm-
user-role><ns2:name>Administrator</ns2:name></ns2:plcm-user-role><ns2:plcm-
user-role><ns2:name>Auditor</ns2:name></ns2:plcm-user-role><ns2:plcm-user-
role><ns2:name>Provisioner</ns2:name></ns2:plcm-user-role></ns3:plcm-user-
role-list><ns4:username>admin</ns4:username><ns4:first-name>System</ns4:first-
name><ns4:last-name>Admin</ns4:last-
name><ns4:domain>LOCAL</ns4:domain><ns4:disabled>>false</ns4:disabled><ns4:lock-
ed>>false</ns4:locked><ns4:entity-
tag>341a633e18848ee915780495f002f32c</ns4:entity-tag></ns4:plcm-user>
```

The following is the same user object using JSON representation:

```
{
  "atomLinkList": [
    {
      "href": "https://10.47.19.213:8443/api/rest/users/LOCAL/admin",
      "rel": "self",
      "type": "application/vnd.plcm.plcm-user",
      "title": "Self Relationship"
    },
    {
      "href": "https://10.47.19.213:8443/api/rest/conference-rooms?domain=LOCAL&username=admin",
      "rel": "urn:com:polycom:api:rest:link-relations:owned-conference-rooms",
      "type": "application/vnd.plcm.plcm-conference-room",
      "title": "Owned Conference Rooms"
    }
  ],
  "plcmUserRoleList": {
    "plcmUserRoleList": [
      {
        "name": "Administrator"
      },
      {
        "name": "Auditor"
      },
      {
        "name": "Provisioner"
      }
    ]
  },
  "username": "admin",
  "firstName": "System",
  "lastName": "Admin",
  "domain": "LOCAL",
  "disabled": false,
  "locked": false,
  "entityTag": "341a633e18848ee915780495f002f32c"
}
```

XML and JSON use different naming conventions for resource fields. When using XML, resource fields use the “dash” naming convention. When using JSON, they use the camel case naming convention. An example of a field name in XML format is the *max-bandwidth* field; this field is named *maxBandwidth* when using JSON. Refer to the RealPresence Platform API reference documentation for field names in XML and JSON formats.

Software Versioning

The API has a robust set of features for handling issues of software versioning.

The API is forward compatible for existing methods and schemas. Clients using a new version of the API can connect to servers using an old version of the API if they don't require the new functionality provided by the new version of the API.

The API is backward compatible. Clients using an old version of the API can connect to servers using a new version of the API.

The API is intended to support the following use case:

A customer with multiple servers has written a client application to interact with these servers using the API.

- The customer should be able to upgrade one or all of the servers without needing to modify their client application.
- The clientcustomer should be able to upgrade some of their servers, and modify their client application to take advantage of the new features in those upgraded servers, without upgrading all of their servers.

There are two kinds of API versioning:

- Transparent versioning maintains forward and backward compatibility.
- Discrete versioning does not maintain forward or backward compatibility.

Transparent Versioning

Typically, transparent versioning is used when a new optional attribute is added to a resource in a new version of the API.

In this case any of the following scenarios may occur:

- When a client using an old version of the API sends a request to a server using the new version of the API, the client does not include the new attribute in the request. The attribute is optional, and the server can cope with its absence.
- When a client using an old version of the API receives a response from a server using the new version of the API, the response contains the new attribute. The client copes with the attribute that it does not understand by ignoring it.
- When a client using the new version of the API sends a request to a server using an old version of the API, the client includes the new attribute in the request. The server copes with the attribute that it does not understand by ignoring it.
- When a client using the new version of the API receives a response from a server using an old version of the API, the response does not contain the new attribute. The attribute is optional, and the client can cope with its absence.

Discrete Versioning

Discrete Versioning is used when new attributes are added that can not simply be ignored as optional, or when a resource has structural changes that can not simply be represented as new attributes.

The API uses the **Content-Type** and **Accept** HTTP headers to cope with incompatible differences. Each XML schema (including all versions of the schema with only compatible differences) is designated by a content type.

For example, the content type for the `plcm-user` resource when using XML is `application/vnd.plcm.plcm-user+xml`.

The content type is specified in the XSD document specifying the schema, and every WADL file indicates the content types supported for each method of the resource. In the case that a new version of the API must introduce an incompatible difference, it will be introduced as a new schema with a new content type.

The API client may use HTTP headers to specify the content type that it sends in a request, and/or the content type that it accepts in a response. When the HTTP headers sent by the client include a **Content-Type** header or an **Accept** header, the server will respect the header, and use the schema version specified by the header.

When your API client sends an XML or JSON document conforming to a certain version of the API, use the **Content-Type** header to specify the version of data you send. When your API client expects an XML or JSON document in response, use the **Accept** header to specify the version of data the request accepts.

The following is an example of an HTTP GET request that accepts only the original version of **plcm-user**, and continues to use it for new versions of the API, even after incompatible differences have been introduced:

```
curl --silent --insecure --user admin:admin --header 'Accept:
application/vnd.plcm.plcm-user+xml'
https://carrot:8443/api/rest/users/LOCAL/admin | xmllint --format -
```

The following is an example of an HTTP GET request that accepts only the 'v2' version of **plcm-user**:

```
curl --silent --insecure --user admin:admin --header 'Accept:
application/vnd.plcm.plcm-user-v2+xml'
https://carrot:8443/api/rest/users/LOCAL/admin | xmllint --format -
```

Polycom is committed to maintaining both forward and backward compatibility of the API. Where possible, the API will support both the old and new content types when incompatible differences occur.

API clients written to use an old version of the API may continue to do so, by specifying the old version in the **Accept** and **Content-Type** headers.

API clients written to use the new version of the API may do so by specifying the new version in the **Accept** and **Content-Type** headers.

In some cases, it may simply be impossible to support the old content type. In these cases, the release notes for the new version of the API will include a list of the content types that are no longer supported.

Best Practices to Prevent Versioning Issues

Developers using the API should use the following practices, to minimize software versioning related issues and protect against unintentional agent upgrades:

- If you use XML format for API interaction, use an XML parser that respects extension points in the schema, and ignores attributes that it does not understand at these points.
- Include the '**Content-Type**' HTTP header in every request that sends an XML or JSON document.
- Include the '**Accept**' HTTP header in every request that expects an XML or JSON document in response, specifying the version of the resource you are addressing.
- Failure to include an '**Accept**' header may result in an incompatible version being sent in response.

To determine whether a version is compatible, refer to the reference documentation for the API methods, which specifies what representations are possible as returned values.

- As part of the upgrade process for Polycom products, check the release notes for content types that are no longer supported. If there are any, make sure that they are not used in the client application.

Subscriptions and Notifications

The subscription or notification mechanism allows API clients to register for and receive asynchronous HTTPS notifications about state changes.

Note

The subscriptions and notifications mechanisms are not available for the RealPresence Resource Manager system.

When discussing this mechanism:

- The **consumer** is the HTTPS server that the API users set up to receive notifications.
- The **producer** is the Polycom product that publishes the notifications.

To receive notifications

- 1 Prepare a HTTPS server for the producer to publish to.

The producer will not publish notifications to plaintext HTTP connections.

Your web server must implement a specific interface, which is defined in the following WADLs that Polycom provides:

- **plcm-conference-observer.wadl** for consuming conference notifications.
 - **plcm-participant-observer.wadl** for consuming participant notifications.
- 2 POST a subscription to the URL of the resource to be observed.
The producer will post a notification to this web server every time the resource changes.
Notification responses will be treated as follows:
 - If there is no response, the producer will wait 10 seconds before discarding the notification and moving on.
 - If there is a response, the server will cache up to 500 response notifications on a first-in, first-out basis.

The sample code files that are provided with this API contain examples of conference and participant observers.

Examples of POST requests can be found in [Examples](#).

Authentication

The **username** and **password** in this section refer to the credentials you use to send notifications to the client. They are not the same credentials used for inbound API requests.

When creating a subscription, the user may provide a **username** and **password** in the request body. If provided, the producer will send these credentials over HTTPS BASIC authentication whenever it posts to the consumer. In addition, the producer is configured to offer its X.509 certificate when establishing an HTTPS connection. This allows MTLs, if desired by the consumer.

Initiating a subscription

You can use the method **plcm-subscription** to subscribe to conferences, participants, or participant lists.

The API Client subscribes to an entity by POSTing a **plcm-subscription** to the resource that it wishes to observe. The producer then returns a link to a resource that can be used for managing the subscription.

You can use the **plcm-conference-list-subscription** method in a similar way to subscribe to conference lists.

Subscription management

The API Client can cancel the subscription by using a DELETE request on the subscription resource.

The API Client can determine the status of the subscription by using a GET request on the subscription resource.

Error reporting

If the producer is unable to publish a notification to the consumer, it will record the error in the **plcm-error** attribute of the **subscription**. This enables the consumer to troubleshoot the issue by reading the **subscription** resource.

Notification format

Each type of observable resource has a different notification format, and a different WADL that the consumer must implement. This enables the consumer to use standard tools to implement a web server with strong typing.

Typically, each notification contains a **plcm-notification** structure, which describes the notification event, and a content structure, containing a resource or a list of resources.

Note

Subscribing to asynchronous notifications does not guarantee a notification event order.

Subscription to lists

When subscribing to a list, the list notification will not send full lists. The first notification will be several ADD notifications. For example, for a conference list, one ADD notification will be sent for each of the currently ongoing conferences. Subsequent notifications will be ADD, DELETE, and UPDATE notifications.

Each notification will have a sequence number beginning at 1 and incrementing by 1 for each notification. You can use this sequencing to determine if a notification has been missed.

The consumer can request an update of the subscription. In this case, the sequence number will reset to 1 and they will receive an ADD notification. In the case of conference lists, the consumer will receive one ADD notification for each ongoing conference.

Note

The producer may send an UPDATE notification for a list at any time. Consumers should be prepared to receive an unsolicited UPDATE notification for a list resource. The client can choose not to receive UPDATE notifications via the **plcm-subscription** representation.

High Availability

The subscription or notification mechanism is intended to support a High Availability superclustered environment. Each subscription will be the responsibility of the cluster that received the subscription request. Clusters in a supercluster only know about subscriptions that they are managing and not those of other clusters.

Your subscription is serviced by the cluster you posted it to. If that cluster becomes unavailable, the subscription is lost.

Subscription renewal

When POSTing a subscription, the consumer may specify a time at which the subscription expires. This enables the producer to automatically clean up subscriptions to consumers that are no longer active. In this case, it is the responsibility of the consumer to periodically extend the subscription, if it is still active.

Note

The samples package contains two sample notification consumers: 'plcm-conference-observer' and 'plcm-participant-observer'.

Learning From Sample Code

Another key learning tool is the set of sample code files that are provided with this API. The following sample applications are provided:

Sample Name	Description
plcm-reservation	Application that creates a reservation on the Polycom server. This application implements the plcm-reservation.wadl interface.
plcm-get.pl	Platform independent HTTP GET client (Perl script)
plcm-post.pl	Platform independent HTTP POST client (Perl script)
plcm-delete.pl	Platform independent HTTP DELETE client (Perl script)
plcm-user-get.pl	Perl script that gets user data
plcm-user-create.pl	Perl script that creates a user
plcm-conference-observer	Java program that starts an HTTPS server to consume conference notifications
plcm-participant-observer	Java program that starts an HTTPS server to consume participant notifications

API Services

The RealPresence Platform API provides programmatic access to the Polycom RealPresence Resource Manager and RealPresence DMA 7000 systems. This enables Polycom customers to customize their conferencing experience, and integrate their Polycom infrastructure products with their existing IT infrastructure.

The API includes support for configuration, MCU management, provisioning, billing, resource reporting, conference control and monitoring.

Alerting Capabilities

The alerting capabilities of the API allow application developers to manage the alerts and alerting settings of a system.

The alerting capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-alert	Allows you to view information on all currently active system alerts, subscribe to certain alerts, and get information about specific alerts.	No	Yes
plcm-alert-observer	Allows you to receive a notification about a new alert or a change to an existing alert.	No	Yes
plcm-alerting-config	Allows you to view or change the alerting configuration, as well as restore the alerting configuration to default values.	No	Yes
plcm-remote-alert-profile	Allows you to view the remote alert profiles configured on the system as well as retrieve information for a specific remote alert profile.	Yes	No

Site Topology Capabilities

Application developers can utilize the site topology capabilities of the API to build a network model that mirrors the physical conferencing environment. The site topology capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-network-cloud	Allows you to list, create, update, and delete network clouds, as well as view information for a specific network cloud.	No	Yes
plcm-site	Allows you to list, create, update, and delete sites, as well as view information for a specific site.	No	Yes
plcm-site-link	Allows you to list, create, update, and delete site links, as well as view information for a specific site link.	No	Yes
plcm-site-to-site-exclusion	Allows you to list, create, and delete site-to-site exclusions, as well as view information for a specific site-to-site exclusion.	No	Yes
plcm-site-topology	Allows you to list, retrieve, create, change, and delete sites, site links, site-to-site exclusions, and network clouds.	No	Yes
plcm-territory	Allows you to create, update, delete, or get information about territories on the system. A territory contains one or more sites for which a RealPresence DMA system cluster is responsible.	No	Yes

Provisioning Capabilities

The provisioning capabilities of the API allow application developers to manage users, their roles, and the resources assigned to each user. The provisioning API includes:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-user	Allows you to create, edit, delete, or get information on users of conferencing services and administrators of Polycom devices.	Yes	Yes
plcm-user-role	Allows you to view the current user roles on the system as well as retrieve information about a specific user role.	Yes	No
plcm-conference-room	Allows you to create, edit, delete, or get information on virtual meeting rooms for a user.	No	Yes
plcm-conference-template	Allows you to create, edit, delete, or get information on conference templates. Conference templates are standalone conference configurations that can be shared between multiple conference rooms.	No	Yes

Billing Capabilities

The billing capabilities of the API allow application developers to obtain historical call and conference data, allowing billing based on usage. The billing capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-billing	Allows you to retrieve call and conference CDR information for billing purposes.	Yes	Yes

Conference Control and Monitoring (CCM) Capabilities

The conference control and monitoring (CCM) capabilities of the API allow application developers to observe and manipulate ongoing conferences.

Note: Unsupported API Operations with Cisco Codian MCUs

The following API operations are not supported when using a Cisco Codian MCU:

- Set Conference Display Text:
<https://<hostname>:8443/api/rest/conferences/{conference-identifier}/set-display-text/{display-text}>
- Start/Stop Conference Recording:
<https://<hostname>:8443/api/rest/conferences/{conference-identifier}/start-recording>
<https://<hostname>:8443/api/rest/conferences/{conference-identifier}/stop-recording>

The conference control and monitoring capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-conference	Allows you to create, edit, delete, or get information on ongoing conferences.	Yes	Yes
plcm-conference-observer	Allows you to receive notifications about changes to conferences or conference lists.	No	Yes
plcm-participant ¹	Allows you to manage and get information on conference participants.	No	Yes
plcm-participant-observer	Allows you to get notifications about changes to a participant or list of participants.	No	Yes

¹There is no plcm-participant WADL file. Participant related methods are described in the plcm-conference.wadl because participants cannot exist without a conference.

Conference Scheduling Capabilities

The conference scheduling capabilities of the API allow application developers to schedule future conferences on the RealPresence Resource Manager system. The conference scheduling capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-dial-string-reservation	Allows you to view, change, and delete dial string reservations.	Yes	No
plcm-reservation	Allows you to create, update, read, delete, and search for future conference reservations on the RealPresence DMA system.	Yes	No
plcm-participant-availability	Allows you to get information about a participant's conference schedule within a particular start-time and end-time.	Yes	No

Resource Reporting Capabilities

The resource reporting capabilities of the API allow application developers to determine what conferencing resources are available for scheduling. The resource reporting capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-mcu	Allows you to create, update, delete, or get information about MCUs available to the RealPresence DMA System.	No	Yes
plcm-mcu-pool	Allows you to create, update, delete, or get information about the pools of deployed MCUs that are available to host conferences.	No	Yes
plcm-mcu-pool-order	Allows you to create, update, delete, or get information about prioritized lists of MCU pools that are available to host conferences.	No	Yes

Area Capabilities

The area capabilities of the API allow application developers to read the list of area (or tenant) objects from the system.

The area capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-area	Allows you to get information about the system's area (or tenant) objects.	Yes	No

Group Capabilities

The group capabilities of the API allow application developers to read the list of local groups from the system. The group capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-group	Allows you to read the list of local groups from the system.	Yes	No

Device Capabilities

The device capabilities of the API provides an interface to retrieve either a single device or all devices. The device capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-device	Allows you to retrieve or update a device's information.	Yes	No
plcm-ext-sip-peer	Allows you to add, configure, and remove external SIP peers.	No	Yes

System Configuration and Status Capabilities

The system configuration and status capabilities of the API provide an interface to view and manage certain system properties, and retrieve system status.

The system configuration and status capabilities include:

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-conference-settings	Allows you to view and change the system's conference settings properties (located on the Admin > Conference Manager > Conference Settings page in the RealPresence DMA system administrative GUI).	No	Yes
plcm-config	Allows you to view and change the call server, history retention, and logging configuration.	No	Yes
plcm-status	Allows you to perform a "shallow ping" of the system. This indicates whether or not the system is responsive, and if the system's API infrastructure is parsing commands.	No	Yes
plcm-subscription	Allows you to subscribe to events happening on the Polycom device.	No	Yes
plcm-signaling-config	Allows you to view and change the SIP signaling and H.323 gatekeeper configuration.	No	Yes
plcm-snmp-config	Allows you to view and change the SNMP configuration of the system.	Yes	Yes
plcm-dma-supercluster	Allows you to view the current supercluster configuration of a cluster, as well as join and remove clusters to and from a supercluster.	No	Yes
plcm-presence-config	Allows you to configure Microsoft Lync presence publishing.		
plcm-log-archive	Allows you to initiate the process to roll logs and retrieve information about log archives.	Yes	No
plcm-log-config	Allows you to view and change the logging configuration on the system.	Yes	No

Resource Collection	Description	RealPresence Resource Manager system	RealPresence DMA system
plcm-time	Allows you to retrieve and configure system time and time zone information.	Yes	Yes

Examples

This section gives some examples of the API usage. The following examples do not cover all the APIs or all scenarios, but should give you a basis to write functional code.

Resources

Each data object accessible through the API is modeled as a resource. Each resource is uniquely identified by a URL and is referenced by means of the URL path.

Area Resource

The following examples apply to RealPresence Resource Manager systems.

Get Area List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/areas>
- Request Header: Accept:
application/vnd.plcm.plcm-area-list+xml

Response Body:

```
<ns5:plcm-conference-list-v4 xmlns="urn:com:polycom:api:rest:plcm-internal-params"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-cascade-link"
xmlns:ns4="urn:com:polycom:api:rest:plcm-conference-v4"
xmlns:ns5="urn:com:polycom:api:rest:plcm-conference-list-v4">
  <ns4:plcm-conference-v4>
    <ns2:link href="https://172.21.125.243:8443/api/rest/conferences/78de7a73-281f-4a35-a506-
bfdea66cf02b" rel="self" type="application/vnd.plcm.plcm-conference-v4" title="Self
Relationship"/>
    <ns4:conference-identifier>78de7a73-281f-4a35-a506-bfdea66cf02b</ns4:conference-
identifier>
    <ns4:dial-in-number>76963313</ns4:dial-in-number>
    <ns4:conference-room-identifier>76963313</ns4:conference-room-identifier>
    <ns4:owner-first-name>System</ns4:owner-first-name>
    <ns4:owner-last-name>Admin</ns4:owner-last-name>
    <ns4:host-name>DMA-250.pctc-rprmqa.com</ns4:host-name>
    <ns4:recording-active>>false</ns4:recording-active>
    <ns4:display-text>76963313 System Admin</ns4:display-text>
    <ns4:entity-tag>2a6aa40b6c69692a2e3c6c2faa6d4515</ns4:entity-tag>
    <ns4:connection-type-enum>POOL</ns4:connection-type-enum>
    <ns4:conference-dma-identifier>834ec560-9981-4f05-ab5b-508071e83adf</ns4:conference-dma-
identifier>
    <ns4:is-reserved-conference>>false</ns4:is-reserved-conference>
    <ns4:media-type-enum>AudioVedio</ns4:media-type-enum>
    <ns4:start-time>2015-10-19T17:43:14.054+08:00</ns4:start-time>
  </ns4:plcm-conference-v4>
</ns5:plcm-conference-list-v4>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Strict-Transport-Security: max-age=31536000; includeSubDomains;
Date: Mon, 19 Oct 2015 09:46:15 GMT
ETag: 2a6aa40b6c69692a2e3c6c2faa6d4515
Content-Type: application/vnd.plcm.plcm-conference-list-v4+xml
Transfer-Encoding: chunked
```

Get Area

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/areas/1010`
- Request Header: Accept:
`application/vnd.plcm.plcm-area+xml`

Response Body:

```
<ns2:plcm-area xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
area">
  <link href="https://172.21.120.29:8443/api/rest/areas/1010" rel="self"
type="application/vnd.plcm.plcm-area+xml" title="Self Relationship"/>
  <ns2:area-identifier>1010</ns2:area-identifier>
  <ns2:name>area1</ns2:name>
  <ns2:description>test</ns2:description>
  <ns2:cma-user-count>0</ns2:cma-user-count>
  <ns2:member-count>0</ns2:member-count>
  <ns2:endpoint-count>0</ns2:endpoint-count>
  <ns2:room-count>0</ns2:room-count>
  <ns2:entity-tag>31ad5a091e9babb2c251b572ebd3c951</ns2:entity-tag>
</ns2:plcm-area>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 31ad5a091e9babb2c251b572ebd3c951
Date: Tue, 09 Dec 2014 05:47:32 GMT
Content-Type: application/vnd.plcm.plcm-area+xml
Content-Length: 642
```

Billing Resource

The following examples apply to RealPresence DMA system and RealPresence Resource Manager systems.

Get CDRs

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/billing>
- Request Header: Accept: application/zip

Note

The GET request returns a compressed file containing either all of the records available or all of the filtered records. This file is returned in the raw response body. Save and unzip this file to view it.

This varies from the standard return which provides the result of the operation in the response body.

Search CDRs

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/billing?from-date=2012-05-22>
- Request Header: Accept: application/zip

Note

If the request is sent from a FireFox browser, a popup window will appear, allowing you to open or save the compressed file that contains the CDRs.

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1322
Content-Type: application/zip
Date: Tue, 22 May 2012 15:20:17 GMT
Etag: "1337700017447"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Conference Resource

The following examples apply to RealPresence DMA systems and RealPresence Resource Manager systems.

Get Conference List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conferences>
- Request Header: Accept: application/vnd.plcm.plcm-conference-list+xml

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-conference-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-cascade-link"
xmlns:ns3="urn:com:polycom:api:rest:plcm-conference" xmlns:ns4="urn:com:polycom:api:rest:plcm-
conference-list">
  <plcm-conference>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-conference+xml" rel="self"
href="https://server:port/api/rest/conferences/dma7000%3A5.0.0%3Adma1000"/>
    <link title="Hosting Conference Room" type="application/vnd.plcm.plcm-conference-room+xml"
rel="urn:com:polycom:api:rest:link-relations:host-conference-room"
href="https://server:port/api/rest/conference-rooms/1000"/>
    <link title="Conference Room Owner" type="application/vnd.plcm.plcm-user+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-room-owner"
href="https://server:port/api/rest/users/LOCAL/admin"/>
    <link title="Conference Participants" type="application/vnd.plcm.plcm-participant-list+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-participants"
href="https://server:port/api/rest/conferences/dma7000%3A5.0.0%3Adma1000/participants"/>
    <link title="Conference MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-mcu"
href="https://server:port/api/rest/mcus/62af2c76-24ae-4cad-be10-1ff1cbff3cfa"/>
    <conference-UUID>dma7000:5.0.0:dma1000</conference-UUID>
    <dial-in-number>1000</dial-in-number>
    <conference-room-identifier>1000</conference-room-identifier>
    <mcu-name>10.47.17.121</mcu-name>
    <cascade-mcu-name>10.47.17.121</cascade-mcu-name>
    <owner-first-name>Default</owner-first-name>
    <owner-last-name>System Administrator User</owner-last-name>
    <host-name>hostname</host-name>
    <recording-active>>false</recording-active>
    <entity-tag>c3745c77a6cc9dc34a86a452c16ea20c</entity-tag>
    <supported-layout>1 plus 2 bottom</supported-layout>
    <supported-layout>4 horizontal by 4 vertical</supported-layout>
    <supported-layout>1 plus 4 bottom</supported-layout>
    <supported-layout>1 plus 2 top</supported-layout>
    <supported-layout>2 top right by 2 bottom right flex</supported-layout>
    <supported-layout>1 plus 3 bottom and 2 right</supported-layout>
    <supported-layout>2 horizontal flex</supported-layout>
    <supported-layout>1 plus 4 bottom and 4 bottom</supported-layout>
    <supported-layout>2 horizontal wide</supported-layout>
    <supported-layout>2 horizontal by 2 vertical</supported-layout>
```

```

<supported-layout>1 plus 4 top</supported-layout>
  <supported-layout>3 horizontal by 3 vertical</supported-layout>
    <supported-layout>1 cell</supported-layout>
    <supported-layout>1 plus 2 bottom left flex</supported-layout>
    <supported-layout>2 horizontal</supported-layout>
    <supported-layout>1 plus 4 bottom and 3 right</supported-layout>
    <supported-layout>2 horizontal plus 4 top and 4 bottom</supported-layout>
    <supported-layout>2 top left by 2 bottom left flex</supported-layout>
    <supported-layout>1 plus 3 top</supported-layout>
    <supported-layout>2 horizontal plus 2 left top flex</supported-layout>
    <supported-layout>1 plus 2 top right flex</supported-layout>
    <supported-layout>1 center plus 4 top and 4 bottom and 2 right and 2 left</supported-
layout>
  <supported-layout>1 cell qcif</supported-layout>
  <supported-layout>1 plus 3 right</supported-layout>
  <supported-layout>1 plus 2 right</supported-layout>
  <supported-layout>2 horizontal plus 2 right top flex</supported-layout>
  <supported-layout>2 vertical tall</supported-layout>
  <supported-layout>2 horizontal plus 2 right bottom flex</supported-layout>
  <supported-layout>1 plus 4 top and 4 bottom</supported-layout>
  <supported-layout>1 plus 4 right</supported-layout>
  <supported-layout>1 plus 2 bottom right flex</supported-layout>
  <supported-layout>1 plus 2 top left flex</supported-layout>
  <supported-layout>2 vertical</supported-layout>
  <supported-layout>1 plus 4 top and 4 top</supported-layout>
  <supported-layout>2 horizontal plus 2 left bottom flex</supported-layout>
  <supported-layout>1 plus 3 bottom</supported-layout>
  <current-layout>1 cell</current-layout>
  <conference-locked>false</conference-locked>
  <join-new-calls-muted>false</join-new-calls-muted>
  <start-time>2012-05-22T09:54:09.453-06:00</start-time>
</plcm-conference>
</ns4:plcm-conference-list>

```

Response Header:

```

Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 4856
Content-Type: application/vnd.plcm.plcm-conference-list+xml
Date: Tue, 22 May 2012 15:54:16 GMT
Etag: "c3745c77a6cc9dc34a86a452c16ea20c"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo

```

Get Conference

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a`
- Header: Accept: `application/vnd.plcm.plcm-conference-v2+xml`

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<plcm-conference xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
cascade-link" xmlns:ns3="urn:com:polycom:api:rest:plcm-conference">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-conference+xml" rel="self"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a/><link
title="Hosting Conference Room" type="application/vnd.plcm.plcm-conference-room+xml"
rel="urn:com:polycom:api:rest:link-relations:host-conference-room"
href="https://server:port/api/rest/conference-rooms/1000"/>
  <link title="Conference Room Owner" type="application/vnd.plcm.plcm-user+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-room-owner"
href="https://server:port/api/rest/users/LOCAL/admin"/>
  <link title="Conference Participants" type="application/vnd.plcm.plcm-participant-list+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-participants"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a"/>
  <link title="Conference MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-mcu"
href="https://server:port/api/rest/mcus/62af2c76-24ae-4cad-bel0-1ff1cbff3cfa"/>
  <conference-UUID>dma7000:5.0.0:dma1000</conference-UUID>
  <dial-in-number>1000</dial-in-number>
  <conference-room-identifier>1000</conference-room-identifier>
  <mcu-name>10.47.17.121</mcu-name>
  <cascade-mcu-name>10.47.17.121</cascade-mcu-name>
  <owner-first-name>Default</owner-first-name>
  <owner-last-name>System Administrator User</owner-last-name>
  <host-name>hostname</host-name>
  <recording-active>>false</recording-active>
  <entity-tag>c3745c77a6cc9dc34a86a452c16ea20c</entity-tag>
  <supported-layout>1 plus 2 bottom</supported-layout>
  <supported-layout>4 horizontal by 4 vertical</supported-layout>
  <supported-layout>1 plus 4 bottom</supported-layout>
  <supported-layout>1 plus 2 top</supported-layout>
  <supported-layout>2 top right by 2 bottom right flex</supported-layout>
  <supported-layout>1 plus 3 bottom and 2 right</supported-layout>
  <supported-layout>2 horizontal flex</supported-layout>
  <supported-layout>1 plus 4 bottom and 4 bottom</supported-layout>
  <supported-layout>2 horizontal wide</supported-layout>
  <supported-layout>2 horizontal by 2 vertical</supported-layout>
  <supported-layout>1 plus 4 top</supported-layout>
```

```
<supported-layout>3 horizontal by 3 vertical</supported-layout>
<supported-layout>1 cell</supported-layout>
<supported-layout>1 plus 2 bottom left flex</supported-layout>
<supported-layout>2 horizontal</supported-layout>
<supported-layout>1 plus 4 bottom and 3 right</supported-layout>
<supported-layout>2 horizontal plus 4 top and 4 bottom</supported-layout>
<supported-layout>2 top left by 2 bottom left flex</supported-layout>
<supported-layout>1 plus 3 top</supported-layout>
<supported-layout>2 horizontal plus 2 left top flex</supported-layout>
<supported-layout>1 plus 2 top right flex</supported-layout>
<supported-layout>1 center plus 4 top and 4 bottom and 2 right and 2 left</supported-layout>
<supported-layout>1 cell qcif</supported-layout>
<supported-layout>1 plus 3 right</supported-layout>
<supported-layout>1 plus 2 right</supported-layout>
<supported-layout>2 horizontal plus 2 right top flex</supported-layout>
<supported-layout>2 vertical tall</supported-layout>
<supported-layout>2 horizontal plus 2 right bottom flex</supported-layout>
<supported-layout>1 plus 4 top and 4 bottom</supported-layout>
<supported-layout>1 plus 4 right</supported-layout>
<supported-layout>1 plus 2 bottom right flex</supported-layout>
<supported-layout>1 plus 2 top left flex</supported-layout>
<supported-layout>2 vertical</supported-layout>
<supported-layout>1 plus 4 top and 4 top</supported-layout>
<supported-layout>2 horizontal plus 2 left bottom flex</supported-layout>
<supported-layout>1 plus 3 bottom</supported-layout>
<current-layout>1 cell</current-layout>
<conference-locked>false</conference-locked>
<join-new-calls-muted>false</join-new-calls-muted>
<start-time>2012-05-22T09:54:09.453-06:00</start-time>
</plcm-conference>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 4745
Content-Type: application/vnd.plcm.plcm-conference+xml
Date: Tue, 22 May 2012 15:55:38 GMT
Etag: "c3745c77a6cc9dc34a86a452c16ea20c"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Query Device Associated Conference List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conferences/device-associated-conferences?device-identifier=174>
- Request Header: Accept: application/vnd.plcm.plcm-conference-list-v4+xml

Response Body:

```
<ns5:plcm-conference-list-v4 xmlns="urn:com:polycom:api:rest:plcm-internal-params"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-
cascade-link" xmlns:ns4="urn:com:polycom:api:rest:plcm-conference-v4"
xmlns:ns5="urn:com:polycom:api:rest:plcm-conference-list-v4">
  <ns4:plcm-conference-v4>
    <ns2:link href="https://172.21.125.243:8443/api/rest/conferences/78de7a73-281f-
4a35-a506-bfdea66cf02b" rel="self" type="application/vnd.plcm.plcm-conference-v4"
title="Self Relationship"/>
    <ns4:conference-identifier>78de7a73-281f-4a35-a506-bfdea66cf02b</ns4:conference-
identifier>
    <ns4:dial-in-number>76963313</ns4:dial-in-number>
    <ns4:conference-room-identifier>76963313</ns4:conference-room-identifier>
    <ns4:owner-first-name>System</ns4:owner-first-name>
    <ns4:owner-last-name>Admin</ns4:owner-last-name>
    <ns4:host-name>DMA-250.pctc-rprmqa.com</ns4:host-name>
    <ns4:recording-active>>false</ns4:recording-active>
    <ns4:display-text>76963313 System Admin</ns4:display-text>
    <ns4:entity-tag>2a6aa40b6c69692a2e3c6c2faa6d4515</ns4:entity-tag>
    <ns4:connection-type-enum>POOL</ns4:connection-type-enum>
    <ns4:conference-dma-identifier>834ec560-9981-4f05-ab5b-
508071e83adf</ns4:conference-dma-identifier>
    <ns4:is-reserved-conference>>false</ns4:is-reserved-conference>
    <ns4:media-type-enum>AudioVedio</ns4:media-type-enum>
    <ns4:start-time>2015-10-19T17:43:14.054+08:00</ns4:start-time>
  </ns4:plcm-conference-v4>
</ns5:plcm-conference-list-v4>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Strict-Transport-Security: max-age=31536000; includeSubDomains;
Date: Mon, 19 Oct 2015 09:46:15 GMT
ETag: 2a6aa40b6c69692a2e3c6c2faa6d4515
Content-Type: application/vnd.plcm.plcm-conference-list-v4+xml
Transfer-Encoding: chunked
```

Subscribe to Conference List

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences`
- Request Header: Content-Type: `application/vnd.plcm.plcm-conference-list-subscription+xml`

Request Body:

```
<cls:plcm-conference-list-subscription xmlns:sub="urn:com:polycom:api:rest:plcm-subscription"
xmlns:cls="urn:com:polycom:api:rest:plcm-conference-list-subscription">
  <sub:plcm-subscription>
    <sub:consumer-url>https://observer-
server:port/api/rest/notifications/conference</sub:consumer-url>
    <sub:time-to-live>3600</sub:time-to-live>
    <sub:send-update-notifications>true</sub:send-update-notifications>
  </sub:plcm-subscription>
  <cls:conference-room-identifier>1000</cls:conference-room-identifier>
</cls:plcm-conference-list-subscription>
```

Response Header:

```
Status Code: 201 Created
Content-Length: 0
Date: Fri, 18 May 2012 17:36:32 GMT
Location: https://server:port/api/rest/subscriptions/a8729252-4723-41b6-b0c7-0012eec24cc2
Server: false
X-Powered-By: Proximo
```

Subscribe to Conference

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a`
- Request Header: Content-Type: `application/vnd.plcm.plcm-subscription+xml`

Request Body:

```
<sub:plcm-subscription xmlns:sub="urn:com:polycom:api:rest:plcm-subscription">
  <sub:consumer-url>https://observer-
server:port/api/rest/notifications/conference</sub:consumer-url>
  <sub:time-to-live>3600</sub:time-to-live>
  <sub:send-update-notifications>true</sub:send-update-notifications>
</sub:plcm-subscription>
```

Start Conference

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/conferences/start-conference>
- Request Header: Content-Type: `application/vnd.plcm.plcm-conference-start-request+xml`

Request Body:

```
<p:plcm-conference-start-request xmlns:p="urn:com:polycom:api:rest:plcm-conference-start-
request" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:com:polycom:api:rest:plcm-conference-start-request plcm-conference-
start-request.xsd ">
  <p:conference-room-identifier>1000</p:conference-room-identifier>
</p:plcm-conference-start-request>
```

Response Header:

```
Status Code: 201 Created
Content-Length: 0
Date: Tue, 22 May 2012 16:07:16 GMT
Location: https://server:port/api/rest/conferences/dma7000%3A5.0.0%3Adma1000
Server: false
X-Powered-By: Proximo
```

End Conference

- HTTP Method: DELETE
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 16:21:36 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Set Conference Display Text

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /set-display-text/new-text

Response Header:

```
Status Code: 204 No Content
Date: Tue, 22 May 2012 16:23:43 GMT
Server: false
X-Powered-By: Proximo
```

Set Conference Layout

- HTTP Method: POST

- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /set-conference-layout/1%20plus%203%20bottom

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Error
Powered-By: Proximo

Lock Conference

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /lock-conference

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Unlock Conference

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /unlock-conference

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Start Recording

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /start-recording

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Stop Recording

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a>
- /stop-recording

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Mute All Participants Except

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a>
- /mute-all-except
- Request Header: Content-Type: application/vnd.plcm.plcm-conference-start-request+xml

Request Body:

```
<mute:plcm-conference-mute-all-except-request xmlns:mute="urn:com:polycom:api:rest:plcm-  
conference-mute-all-except-request">  
  <mute:excluded-participant-identifier>  
    <mute:excluded-participant-identifier>16be555b-7c7d-4a76-91e5-c3aa12a1d26e</mute:excluded-  
participant-identifier>  
  </mute:excluded-participant-identifier>  
</mute:plcm-conference-mute-all-except-request>
```

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Unmute All Participants

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /unmute-all

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Set Join New Calls Muted

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /set-join-new-calls-muted/false

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 16:29:41 GMT
Server: false
X-Powered-By: Proximo

Get Participant List

- HTTP Method: GET
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /participants

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<plcm-participant-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-participant" xmlns:ns3="urn:com:polycom:api:rest:plcm-
participant-list">
  <ns2:plcm-participant>
    <link title="Participant MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:participant-mcu"
href="https://server:port/api/rest/mcus/62af2c76-24ae-4cad-be10-1ff1cbff3cfa"/>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-participant+xml" rel="self"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
/participants/16be555b-7c7d-4a76-91e5-c3aa12ald26e"/>
    <link title="Hosting Conference" type="application/vnd.plcm.plcm-conference+xml"
rel="urn:com:polycom:api:rest:link-relations:host-conference"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
"/>
    <ns2:participant-identifier>16be555b-7c7d-4a76-91e5-c3aa12ald26e</ns2:participant-identifier>
    <ns2:display-name>.m100@10.47.16.232.</ns2:display-name>
    <ns2:endpoint-identifier>9e6ae375-c4db-4b14-be62-e4b4b95942b4</ns2:endpoint-identifier>
    <ns2:endpoint-name>m100</ns2:endpoint-name>
    <ns2:endpoint-number>sip:m100@10.47.16.232</ns2:endpoint-number>
    <ns2:conference-UUID>f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
</ns2:conference-UUID>
    <ns2:mcu-name>10.47.17.121</ns2:mcu-name>
    <ns2:connection-status>CONNECTED_DIAL_IN</ns2:connection-status>
    <ns2:chairperson>>false</ns2:chairperson>
    <ns2:lecturer>>false</ns2:lecturer>
    <ns2:audio-mute>>false</ns2:audio-mute>
    <ns2:video-mute>>false</ns2:video-mute>
    <ns2:signaling-protocol>SIP</ns2:signaling-protocol>
    <ns2:encrypted-media>>false</ns2:encrypted-media>
    <ns2:current-call-bitrate-kbps>368</ns2:current-call-bitrate-kbps>
    <ns2:current-layout>layout is controlled by conference</ns2:current-layout>
    <ns2:entity-tag>05f8325ed427b0cf828f534231b8cf65</ns2:entity-tag>
    <ns2:connection-start-time>2012-05-22T11:14:52.695-06:00</ns2:connection-start-time>
  </ns2:plcm-participant>
</plcm-participant-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 2162
Content-Type: application/vnd.plcm.plcm-participant-list+xml
Date: Tue, 22 May 2012 17:42:28 GMT
Etag: "05f8325ed427b0cf828f534231b8cf65"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get Participant

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a/participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e`

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:plcm-participant xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-participant">
  <link title="Participant MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:participant-mcu"
href="https://server:port/api/rest/mcus/62af2c76-24ae-4cad-be10-1ff1cbff3cfa"/>
  <link title="Self Relationship" type="application/vnd.plcm.plcm-participant+xml" rel="self"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
/participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e"/>
  <link title="Hosting Conference" type="application/vnd.plcm.plcm-conference+xml"
rel="urn:com:polycom:api:rest:link-relations:host-conference"
href="https://server:port/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
"/>
  <ns2:participant-identifier>16be555b-7c7d-4a76-91e5-c3aa12a1d26e</ns2:participant-identifier>
  <ns2:display-name>.m100@10.47.16.232.</ns2:display-name>
  <ns2:endpoint-identifier>9e6ae375-c4db-4b14-be62-e4b4b95942b4</ns2:endpoint-identifier>
  <ns2:endpoint-name>m100</ns2:endpoint-name>
  <ns2:endpoint-number>sip:m100@10.47.16.232</ns2:endpoint-number>
  <ns2:conference-UUID>f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
</ns2:conference-UUID>
  <ns2:mcu-name>10.47.17.121</ns2:mcu-name>
  <ns2:connection-status>CONNECTED_DIAL_IN</ns2:connection-status>
  <ns2:chairperson>>false</ns2:chairperson>
  <ns2:lecturer>>false</ns2:lecturer>
  <ns2:audio-mute>>false</ns2:audio-mute>
  <ns2:video-mute>>false</ns2:video-mute>
  <ns2:signaling-protocol>SIP</ns2:signaling-protocol>
  <ns2:encrypted-media>>false</ns2:encrypted-media>
  <ns2:current-call-bitrate-kbps>368</ns2:current-call-bitrate-kbps>
  <ns2:current-layout>layout is controlled by conference</ns2:current-layout>
  <ns2:entity-tag>05f8325ed427b0cf828f534231b8cf65</ns2:entity-tag>
  <ns2:connection-start-time>2012-05-22T11:14:52.695-06:00</ns2:connection-start-time>
</ns2:plcm-participant>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 2048
Content-Type: application/vnd.plcm.plcm-participant+xml
Date: Tue, 22 May 2012 17:40:55 GMT
Etag: "05f8325ed427b0cf828f534231b8cf65"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Subscribe to Participant List

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences/dma7000:5.0.0:dma1000/participants`
- Request Header: Content-Type: `application/vnd.plcm.plcm-subscription+xml`

Request Body:

```
<sub:plcm-subscription xmlns:sub="urn:com:polycom:api:rest:plcm-subscription"> <sub:consumer-  
url>https://observer-server:port/api/rest/notifications/conference</sub:consumer-url>  
  <sub:time-to-live>3600</sub:time-to-live>  
  <sub:send-update-notifications>true</sub:send-update-notifications>  
</sub:plcm-subscription>
```

Subscribe to Participant

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences/dma7000:5.0.0:dma1000/participants/11fdcf05-207e-4f74-94da-42890042f416`
- Request Header: Content-Type: `application/vnd.plcm.plcm-subscription+xml`

Request Body:

```
<sub:plcm-subscription xmlns:sub="urn:com:polycom:api:rest:plcm-subscription">  
  <sub:consumer-url>https://observer-  
server:port/api/rest/notifications/conference</sub:consumer-url>  
  <sub:time-to-live>3600</sub:time-to-live>  
  <sub:send-update-notifications>true</sub:send-update-notifications>  
</sub:plcm-subscription>
```

Mute Participant Audio

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a`
`/participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/mute-audio`

Response Header:

```
Status Code: 204 No Content  
Date: Tue, 22 May 2012 17:47:11 GMT  
Server: false  
X-Powered-By: Proximo
```

Unmute Participant Audio

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a`
`/participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/unmute-audio`

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 17:47:11 GMT
Server: false
X-Powered-By: Proximo

Suspend Participant Video

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/suspend-video

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 17:47:11 GMT
Server: false
X-Powered-By: Proximo

Resume Participant Video

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/resume-video

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 17:47:11 GMT
Server: false
X-Powered-By: Proximo

Disconnect Participant

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a
- /participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/disconnect

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 17:47:11 GMT
Server: false
X-Powered-By: Proximo

Set Participant Display Name

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/conferences/f97289f6-d3c6-4649-ac97-f86f2b0d9d0a/participants/16be555b-7c7d-4a76-91e5-c3aa12a1d26e/set-display-name/new-display-name>

Response Header:

Status Code: 204 No Content
Date: Tue, 22 May 2012 17:47:11 GMT
Server: false
X-Powered-By: Proximo

Conference Room Resource

The following examples apply to RealPresence DMA systems only.

Get Conference Room List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conference-rooms>

Search Conference Rooms

- HTTP Method: GET
- URL: https://<server>:<port>/api/rest/conference-rooms?passthru=*

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-conference-room-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dial-out-participant"
xmlns:ns3="urn:com:polycom:api:rest:plcm-conference-room"
xmlns:ns4="urn:com:polycom:api:rest:plcm-conference-room-list">
  <plcm-conference-room>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-conference-room+xml"
rel="self" href="https://server:port/api/rest/conference-rooms/1000"/>
    <link title="Conference Room Owner" type="application/vnd.plcm.plcm-user+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-room-owner"
href="https://server:port/api/rest/users/LOCAL/admin"/>
    <link title="Applied Conference Template" type="application/vnd.plcm.plcm-conference-
template+xml" rel="urn:com:polycom:api:rest:link-relations:applied-conference-template"
href="https://server:port/api/rest/conference-templates/1"/>
    <link title="Containing MCU Pool Order" type="application/vnd.plcm.plcm-mcu-pool-order+xml"
rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool-order"
href="https://server:port/api/rest/mcu-pool-orders/0"/>
    <link title="Start Conference Request" type="application/vnd.plcm.plcm-conference-start-
request+xml" rel="urn:com:polycom:api:rest:link-relations:start-conference-request"
href="https://server:port/api/rest/conferences/start-conference"/>
    <owner-first-name>Default</owner-first-name>
    <owner-last-name>System Administrator User</owner-last-name>
    <owner-domain>LOCAL</owner-domain>
    <owner-username>admin</owner-username>
    <duration-in-minutes>-1</duration-in-minutes>
    <conference-room-identifier>1000</conference-room-identifier>
    <dial-in-number>1000</dial-in-number>
    <conference-template-name>Factory Template</conference-template-name>
    <max-participants>-1</max-participants>
    <mcu-pool-order-name>Factory Pool Order</mcu-pool-order-name>
    <territory-name>Default DMA Territory</territory-name>
    <chairperson-required>>false</chairperson-required>
    <entity-tag>9682c7ffadd6c6da4e6cd90c03c5a494</entity-tag>
    <auto-dial-out>>false</auto-dial-out>
  </plcm-conference-room>
</ns4:plcm-conference-room-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 2426
Content-Type: application/vnd.plcm.plcm-conference-room-list+xml
Date: Tue, 22 May 2012 19:55:06 GMT
Etag: "9682c7ffadd6c6da4e6cd90c03c5a494"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get Conference Room

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conference-rooms/1000>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<plcm-conference-room xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dial-out-participant"
xmlns:ns3="urn:com:polycom:api:rest:plcm-conference-room">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-conference-room+xml"
rel="self" href="https://server:port/api/rest/conference-rooms/1000"/>
  <link title="Conference Room Owner" type="application/vnd.plcm.plcm-user+xml"
rel="urn:com:polycom:api:rest:link-relations:conference-room-owner"
href="https://server:port/api/rest/users/LOCAL/admin"/>
  <link title="Applied Conference Template" type="application/vnd.plcm.plcm-conference-
template+xml" rel="urn:com:polycom:api:rest:link-relations:applied-conference-template"
href="https://server:port/api/rest/conference-templates/1"/>
  <link title="Containing MCU Pool Order" type="application/vnd.plcm.plcm-mcu-pool-order+xml"
rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool-order"
href="https://server:port/api/rest/mcu-pool-orders/0"/>
  <link title="Start Conference Request" type="application/vnd.plcm.plcm-conference-start-
request+xml" rel="urn:com:polycom:api:rest:link-relations:start-conference-request"
href="https://server:port/api/rest/conferences/start-conference"/>
  <owner-first-name>Default</owner-first-name>
  <owner-last-name>System Administrator User</owner-last-name>
  <owner-domain>LOCAL</owner-domain>
  <owner-username>admin</owner-username>
  <duration-in-minutes>-1</duration-in-minutes>
  <conference-room-identifier>1000</conference-room-identifier>
  <dial-in-number>1000</dial-in-number>
  <conference-template-name>Factory Template</conference-template-name>
  <max-participants>-1</max-participants>
  <mcu-pool-order-name>Factory Pool Order</mcu-pool-order-name>
  <territory-name>Default DMA Territory </territory-name>
  <chairperson-required>>false</chairperson-required>
  <entity-tag>9682c7ffadd6c6da4e6cd90c03c5a494</entity-tag>
  <auto-dial-out>>false</auto-dial-out>
</plcm-conference-room>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 2300
Content-Type: application/vnd.plcm.plcm-conference-room+xml
Date: Tue, 22 May 2012 19:58:07 GMT
Etag: "9682c7ffadd6c6da4e6cd90c03c5a494"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Create Conference Room

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/conference-rooms>
- Request Header: Content-Type: application/vnd.plcm.plcm-conference-room+xml

Request Body:

```
<plcm-conference-room xmlns="urn:com:polycom:api:rest:plcm-conference-room">
  <owner-domain>local</owner-domain>
  <owner-username>admin</owner-username>
  <room-id>1001</room-id>
  <dial-in-number>1001</dial-in-number>
  <mcu-pool-order-name>Factory Pool Order</mcu-pool-order-name>
</plcm-conference-room>
```

Response Header:

```
Status Code: 201 Created
Content-Length: 0
Date: Tue, 22 May 2012 20:10:21 GMT
Etag: "865f5b9c9682cc18aa79ff60f16d67f3"
Location: https://<server>:<port>/api/rest/conference-rooms/1001
Server: false
X-Powered-By: Proximo
```

Update Conference Room

- HTTP Method: PUT
- URL: <https://<server>:<port>/api/rest/conference-rooms/1000>
- Request Header: Content-Type: application/vnd.plcm.plcm-conference-room+xml

Request Body:

```
<plcm-conference-room xmlns="urn:com:polycom:api:rest:plcm-conference-room">
  <owner-domain>LOCAL</owner-domain>
  <owner-username>admin</owner-username>
  <duration-in-minutes>-1</duration-in-minutes>
  <conference-room-identifier>1000</conference-room-identifier>
  <dial-in-number>1000</dial-in-number>
  <conference-template-name>Factory Template</conference-template-name>
  <max-participants>10</max-participants>
  <mcu-pool-order-name>Factory Pool Order</mcu-pool-order-name>
  <chairperson-required>false</chairperson-required>
  <entity-tag>9682c7ffadd6c6da4e6cd90c03c5a494</entity-tag>
  <auto-dial-out>false</auto-dial-out>
</plcm-conference-room>
```

Response Header:

Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 20:49:46 GMT
Etag: "16a2f335ebfe4f03df26accb922cb359"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Location: https://server:port/api/rest/conference-rooms/1000
Pragma: No-cache
Server: false
X-Powered-By: Proximo

Delete Conference Room

- HTTP Method: DELETE
- URL: <https://<server>:<port>/api/rest/conference-rooms/1000>

Response Header:

Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 20:52:29 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo

Conference Template Resource

The following examples apply to RealPresence DMA systems only.

Get Conference Template List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conference-templates>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns5:plcm-conference-template-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-simulcast-stream"
xmlns:ns3="urn:com:polycom:api:rest:plcm-line-rate" xmlns:ns4="urn:com:polycom:api:rest:plcm-
conference-template" xmlns:ns5="urn:com:polycom:api:rest:plcm-conference-template-list">
  <ns4:plcm-conference-template>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-conference-template+xml"
rel="self" href="https://server:port/api/rest/conference-templates/1"/>
    <ns2:plcm-simulcast-stream>
      <ns2:video-profile-type>BASE_PROFILE</ns2:video-profile-type>
      <ns2:simulcast-resolution>R_180p</ns2:simulcast-resolution>
      <ns2:line-rate-mrm>LR_128</ns2:line-rate-mrm>
      <ns2:frame-rate>7</ns2:frame-rate>
      <ns2:frame-rate>15</ns2:frame-rate>
      <ns2:frame-rate>30</ns2:frame-rate>
    </ns2:plcm-simulcast-stream>
    <ns2:plcm-simulcast-stream>
      <ns2:video-profile-type>HIGH_PROFILE</ns2:video-profile-type>
      <ns2:simulcast-resolution>R_360p</ns2:simulcast-resolution>
      <ns2:line-rate-mrm>LR_256</ns2:line-rate-mrm>
      <ns2:frame-rate>7</ns2:frame-rate>
      <ns2:frame-rate>15</ns2:frame-rate>
      <ns2:frame-rate>30</ns2:frame-rate>
    </ns2:plcm-simulcast-stream>
    <ns2:plcm-simulcast-stream>
      <ns2:video-profile-type>HIGH_PROFILE</ns2:video-profile-type>
      <ns2:simulcast-resolution>R_720p</ns2:simulcast-resolution>
      <ns2:line-rate-mrm>LR_512</ns2:line-rate-mrm>
      <ns2:frame-rate>7</ns2:frame-rate>
      <ns2:frame-rate>15</ns2:frame-rate>
      <ns2:frame-rate>30</ns2:frame-rate>
    </ns2:plcm-simulcast-stream>
    <ns3:plcm-line-rate> <ns3:line-rate>LR_384</ns3:line-rate>
  </ns3:plcm-line-rate>
  <ns4:conference-template-identifier>1</ns4:conference-template-identifier>
  <ns4:name>Factory Template</ns4:name>
  <ns4:description>Factory Template</ns4:description>
  <ns4:priority>1</ns4:priority>

  <ns4:use-profile>>false</ns4:use-profile>
  <ns4:encryption>>false</ns4:encryption>
  <ns4:lost-packet-recovery>>true</ns4:lost-packet-recovery>
  <ns4:h239-settings>GRAPHICS</ns4:h239-settings>
  <ns4:h239-protocol>UP_TO_H264</ns4:h239-protocol>
  <ns4:high-definition-video-switching>>false</ns4:high-definition-video-switching>
  <ns4:high-profile-vsw>>false</ns4:high-profile-vsw>
  <ns4:hd-resolution>HD_720</ns4:hd-resolution>
  <ns4:video-quality>SHARPNESS</ns4:video-quality>
  <ns4:participants-join-type>UNMUTE</ns4:participants-join-type>
```

```
<ns4:telepresence-mode>AUTO</ns4:telepresence-mode>
<ns4:telepresence-layout-mode>CP</ns4:telepresence-layout-mode>
<ns4:presentation-mode>>false</ns4:presentation-mode>
<ns4:lecturer-view-switching>>false</ns4:lecturer-view-switching>
<ns4:same-layout>>false</ns4:same-layout>
<ns4:auto-layout>>true</ns4:auto-layout>
<ns4:layout>L1x1</ns4:layout>

<ns4:skin>SAPPHIRE_JEWEL</ns4:skin>
<ns4:conference-requires-chairperson>>false</ns4:conference-requires-chairperson>
<ns4:video-clarity>>false</ns4:video-clarity>
<ns4:audio-clarity>>true</ns4:audio-clarity>
<ns4:use-cascading>>false</ns4:use-cascading>
<ns4:echo-suppression>>true</ns4:echo-suppression>
<ns4:keyboard-suppression>>false</ns4:keyboard-suppression>
<ns4:send-content-to-legacy-endpoints>>true</ns4:send-content-to-legacy-endpoints>
<ns4:recording-type>DISABLED</ns4:recording-type>
<ns4:audio-only-recording>>false</ns4:audio-only-recording>
<ns4:enable-recording-indication>>false</ns4:enable-recording-indication>
<ns4:floor-and-chair-control>FLOOR_ONLY</ns4:floor-and-chair-control>
<ns4:layout-control>ENABLED</ns4:layout-control>
<ns4:content-channel-video>ENABLED</ns4:content-channel-video>
<ns4:codian-custom-layout-allowed>DISABLED</ns4:codian-custom-layout-allowed>
<ns4:codian-layout>LAYOUT08</ns4:codian-layout>
<ns4:codian-lecture-mode>DISABLED</ns4:codian-lecture-mode>
<ns4:codian-mute-dtmf>NEVER</ns4:codian-mute-dtmf>
<ns4:codian-transmitted-content-resolution>STD_SCREEN_ONLY</ns4:codian-transmitted-content-
resolution>
<ns4:codian-allow-mute-audio>ENABLED</ns4:codian-allow-mute-audio>
<ns4:resolution-limit>AUTO</ns4:resolution-limit>
<ns4:auto-brightness>>false</ns4:auto-brightness>
<ns4:enable-gathering>>false</ns4:enable-gathering>
<ns4:gathering-language>ENGLISH</ns4:gathering-language>
<ns4:tip-compatibility>NONE</ns4:tip-compatibility>
<ns4:encryption-policy>UNENCRYPTED_ONLY</ns4:encryption-policy>
<ns4:entity-tag>69fe892a76af737fc2c9fdfa67bcc926</ns4:entity-tag>
</ns4:plcm-conference-template>
</ns5:plcm-conference-template-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 4331
Content-Type: application/vnd.plcm.plcm-conference-template-list+xml
Date: Tue, 22 May 2012 20:54:48 GMT
Etag: "69fe892a76af737fc2c9fdfa67bcc926"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get Conference Template

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/conference-templates/1?type=identifier>
or
- <https://<server>:<port>/api/rest/conference-templates/Factory%20Template?type=name>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-conference-template xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-simulcast-stream"
xmlns:ns3="urn:com:polycom:api:rest:plcm-line-rate" xmlns:ns4="urn:com:polycom:api:rest:plcm-
conference-template">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-conference-template+xml"
rel="self" href="https://server:port/api/rest/conference-templates/1"/>
  <ns2:plcm-simulcast-stream>
    <ns2:video-profile-type>BASE_PROFILE</ns2:video-profile-type>
    <ns2:simulcast-resolution>R_180p</ns2:simulcast-resolution>
    <ns2:line-rate-mrm>LR_128</ns2:line-rate-mrm>
    <ns2:frame-rate>7</ns2:frame-rate>
    <ns2:frame-rate>15</ns2:frame-rate>
    <ns2:frame-rate>30</ns2:frame-rate>
  </ns2:plcm-simulcast-stream>
  <ns2:plcm-simulcast-stream>
    <ns2:video-profile-type>HIGH_PROFILE</ns2:video-profile-type>
    <ns2:simulcast-resolution>R_360p</ns2:simulcast-resolution>
    <ns2:line-rate-mrm>LR_256</ns2:line-rate-mrm>
    <ns2:frame-rate>7</ns2:frame-rate>
    <ns2:frame-rate>15</ns2:frame-rate>
    <ns2:frame-rate>30</ns2:frame-rate>
  </ns2:plcm-simulcast-stream>
  <ns2:plcm-simulcast-stream>
    <ns2:video-profile-type>HIGH_PROFILE</ns2:video-profile-type>
    <ns2:simulcast-resolution>R_720p</ns2:simulcast-resolution>
    <ns2:line-rate-mrm>LR_512</ns2:line-rate-mrm>
    <ns2:frame-rate>7</ns2:frame-rate>
    <ns2:frame-rate>15</ns2:frame-rate>
    <ns2:frame-rate>30</ns2:frame-rate>
  </ns2:plcm-simulcast-stream>
  <ns3:plcm-line-rate>
    <ns3:line-rate>LR_384</ns3:line-rate>
  </ns3:plcm-line-rate>
  <ns4:conference-template-identifier>1</ns4:conference-template-identifier>
  <ns4:name>Factory Template</ns4:name>
  <ns4:description>Factory Template</ns4:description>
  <ns4:priority>1</ns4:priority>
  <ns4:use-profile>>false</ns4:use-profile>
  <ns4:encryption>>false</ns4:encryption>
  <ns4:lost-packet-recovery>true</ns4:lost-packet-recovery>
  <ns4:h239-settings>GRAPHICS</ns4:h239-settings>
  <ns4:h239-protocol>UP_TO_H264</ns4:h239-protocol>
  <ns4:high-definition-video-switching>>false</ns4:high-definition-video-switching>
  <ns4:high-profile-vsw>>false</ns4:high-profile-vsw>
  <ns4:hd-resolution>HD_720</ns4:hd-resolution>
```

```
<ns4:video-quality>SHARPNESS</ns4:video-quality>
<ns4:participants-join-type>UNMUTE</ns4:participants-join-type>
<ns4:telepresence-mode>AUTO</ns4:telepresence-mode>
<ns4:telepresence-layout-mode>CP</ns4:telepresence-layout-mode>
<ns4:presentation-mode>>false</ns4:presentation-mode>
<ns4:lecturer-view-switching>>false</ns4:lecturer-view-switching>
<ns4:same-layout>>false</ns4:same-layout>
<ns4:auto-layout>>true</ns4:auto-layout>
<ns4:layout>L1x1</ns4:layout>
<ns4:skin>SAPPHIRE_JEWEL</ns4:skin>
<ns4:conference-requires-chairperson>>false</ns4:conference-requires-chairperson>
<ns4:video-clarity>>false</ns4:video-clarity>
<ns4:audio-clarity>>true</ns4:audio-clarity>
<ns4:use-cascading>>false</ns4:use-cascading>
<ns4:echo-suppression>>true</ns4:echo-suppression>
<ns4:keyboard-suppression>>false</ns4:keyboard-suppression>
<ns4:send-content-to-legacy-endpoints>>true</ns4:send-content-to-legacy-endpoints>
<ns4:recording-type>DISABLED</ns4:recording-type>
<ns4:audio-only-recording>>false</ns4:audio-only-recording>
<ns4:enable-recording-indication>>false</ns4:enable-recording-indication>
<ns4:floor-and-chair-control>FLOOR_ONLY</ns4:floor-and-chair-control>
<ns4:layout-control>ENABLED</ns4:layout-control>
<ns4:content-channel-video>ENABLED</ns4:content-channel-video>
<ns4:codian-custom-layout-allowed>DISABLED</ns4:codian-custom-layout-allowed>
<ns4:codian-layout>LAYOUT08</ns4:codian-layout>
<ns4:codian-lecture-mode>DISABLED</ns4:codian-lecture-mode>
<ns4:codian-mute-dtmf>NEVER</ns4:codian-mute-dtmf>
<ns4:codian-transmitted-content-resolution>STD_SCREEN_ONLY</ns4:codian-transmitted-content-
resolution>
<ns4:codian-allow-mute-audio>ENABLED</ns4:codian-allow-mute-audio>
<ns4:resolution-limit>AUTO</ns4:resolution-limit>
<ns4:auto-brightness>>false</ns4:auto-brightness>
<ns4:enable-gathering>>false</ns4:enable-gathering>
<ns4:gathering-language>ENGLISH</ns4:gathering-language>
<ns4:tip-compatibility>NONE</ns4:tip-compatibility>
<ns4:encryption-policy>UNENCRYPTED_ONLY</ns4:encryption-policy>
<ns4:entity-tag>69fe892a76af737fc2c9fdfa67bcc926</ns4:entity-tag>
</ns4:plcm-conference-template>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 4193
Content-Type: application/vnd.plcm.plcm-conference-template+xml
Date: Tue, 22 May 2012 21:03:54 GMT
Etag: "69fe892a76af737fc2c9fdfa67bcc926"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

MCU Resource

The following examples apply to RealPresence DMA systems only.

Get MCU List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/mcus>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-mcu-list xmlns="urn:com:polycom:api:rest:plcm-mcu-capacity"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu"
xmlns:ns4="urn:com:polycom:api:rest:plcm-mcu-list">
  <plcm-mcu-capacity>
    <mcu-card-type>mpm</mcu-card-type>
    <total-audio-ports>0</total-audio-ports>
    <total-video-ports>0</total-video-ports>
  </plcm-mcu-capacity>
  <ns3:plcm-mcu>
    <ns2:link title="Containing MCU Pool" type="application/vnd.plcm.plcm-mcu-pool+xml"
rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool"
href="https://server:port/api/rest/mcu-pools/1"/>
    <ns2:link title="Self Relationship" type="application/vnd.plcm.plcm-mcu+xml" rel="self"
href="https://server:port/api/rest/mcus/30304b0b-af46-48e3-a69c-aa5c6554f8b8"/>
    <plcm-mcu-capacity>
      <mcu-card-type>mpm</mcu-card-type>
      <total-audio-ports>0</total-audio-ports>
      <total-video-ports>0</total-video-ports>
    </plcm-mcu-capacity>
    <ns3:mcu-identifier>30304b0b-af46-48e3-a69c-aa5c6554f8b8</ns3:mcu-identifier>
    <ns3:name>mcu1</ns3:name>
    <ns3:management-ip>10.47.17.121</ns3:management-ip>
    <ns3:mcu-type>RMX</ns3:mcu-type>
    <ns3:overlap>false</ns3:overlap>
    <ns3:reserved-audio-ports>0</ns3:reserved-audio-ports>
    <ns3:reserved-video-ports>0</ns3:reserved-video-ports>
    <ns3:dma-audio-ports>0</ns3:dma-audio-ports>
    <ns3:dma-video-ports>0</ns3:dma-video-ports>
    <ns3:dma-used-audio-ports>0</ns3:dma-used-audio-ports>
    <ns3:dma-used-video-ports>0</ns3:dma-used-video-ports>
    <ns3:total-used-audio-ports>0</ns3:total-used-audio-ports>
    <ns3:total-used-video-ports>0</ns3:total-used-video-ports>
    <ns3:max-bit-rate>2048</ns3:max-bit-rate>
    <ns3:entity-tag>6f7e56fbb1d6c0b01c787b4976135053</ns3:entity-tag>
  </ns3:plcm-mcu>
</ns4:plcm-mcu-list>
```

Response Header:

Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1798
Content-Type: application/vnd.plcm.plcm-mcu-list+xml
Date: Tue, 22 May 2012 21:12:38 GMT
Etag: "7907a2a487e2a34c2bc412eb765b48b2"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo

Get MCU

- HTTP Method: GET
- URL: https://<server>:<port>/api/rest/mcus/<mcu_id>?type=identifier
or
- https://<server>:<port>/api/rest/mcus/<mcu_name>?type=name

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns3:plcm-mcu xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-mcu-
capacity" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu">
  <link title="Containing MCU Pool" type="application/vnd.plcm.plcm-mcu-pool+xml"
rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool"
href="https://server:port/api/rest/mcu-pools/1"/>
  <link title="Self Relationship" type="application/vnd.plcm.plcm-mcu+xml" rel="self"
href="https://server:port/api/rest/mcus/30304b0b-af46-48e3-a69c-aa5c6554f8b8"/>
  <ns2:plcm-mcu-capacity>
    <ns2:mcu-card-type>mpm</ns2:mcu-card-type>
    <ns2:total-audio-ports>20</ns2:total-audio-ports>
    <ns2:total-video-ports>76</ns2:total-video-ports>
  </ns2:plcm-mcu-capacity>
  <ns3:mcu-identifier>30304b0b-af46-48e3-a69c-aa5c6554f8b8</ns3:mcu-identifier>
  <ns3:name>mcu1</ns3:name>
  <ns3:management-ip>10.47.17.121</ns3:management-ip>
  <ns3:mcu-type>RMX</ns3:mcu-type>
  <ns3:overlap>false</ns3:overlap>
  <ns3:reserved-audio-ports>0</ns3:reserved-audio-ports>
  <ns3:reserved-video-ports>0</ns3:reserved-video-ports>
  <ns3:dma-audio-ports>20</ns3:dma-audio-ports>
  <ns3:dma-video-ports>76</ns3:dma-video-ports>
  <ns3:dma-used-audio-ports>0</ns3:dma-used-audio-ports>
  <ns3:dma-used-video-ports>0</ns3:dma-used-video-ports>
  <ns3:total-used-audio-ports>0</ns3:total-used-audio-ports>
  <ns3:total-used-video-ports>0</ns3:total-used-video-ports>
  <ns3:max-bit-rate>2048</ns3:max-bit-rate>
  <ns3:entity-tag>b76b62602fc8ef847372d726746c2e3c</ns3:entity-tag>
</ns3:plcm-mcu>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1583
Content-Type: application/vnd.plcm.plcm-mcu+xml
Date: Tue, 22 May 2012 21:17:01 GMT
Etag: "b76b62602fc8ef847372d726746c2e3c"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

MCU Pool Resource

The following examples apply to RealPresence DMA systems only.

Get MCU Pool List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/mcu-pools>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-mcu-pool-list xmlns="urn:com:polycom:api:rest:plcm-mcu-capacity"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-pool"
xmlns:ns4="urn:com:polycom:api:rest:plcm-mcu-pool-list">
  <plcm-mcu-capacity>
    <mcu-card-type>mpm</mcu-card-type>
    <total-audio-ports>20</total-audio-ports>
    <total-video-ports>76</total-video-ports>
  </plcm-mcu-capacity>
  <ns3:plcm-mcu-pool>
    <plcm-mcu-capacity>
      <mcu-card-type>mpm</mcu-card-type>
      <total-audio-ports>20</total-audio-ports>
      <total-video-ports>76</total-video-ports>
    </plcm-mcu-capacity>
    <ns2:link title="Contained MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:contained-mcu"
href="https://server:port/api/rest/mcus/30304b0b-af46-48e3-a69c-aa5c6554f8b8" />
    <ns2:link title="Containing MCU Pool Order" type="application/vnd.plcm.plcm-mcu-pool-
order+xml" rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool-order"
href="https://server:port/api/rest/mcu-pool-orders/0" />
    <ns2:link title="Self Relationship" type="application/vnd.plcm.plcm-mcu-pool+xml"
rel="self" href="https://server:port/api/rest/mcu-pools/1" />
    <ns3:mcu-pool-identifier>1</ns3:mcu-pool-identifier>
    <ns3:name>mcu-pool-1</ns3:name>
    <ns3:entity-tag>28891f334c7ed92de9b3bb1ef82a457f</ns3:entity-tag>
    <ns3:mcu-identifier>
      <ns3:mcu-identifier>30304b0b-af46-48e3-a69c-aa5c6554f8b8</ns3:mcu-identifier>
    </ns3:mcu-identifier>
  </ns3:plcm-mcu-pool>
</ns4:plcm-mcu-pool-list>
```

Response Header:

Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1602
Content-Type: application/vnd.plcm.plcm-mcu-pool-list+xml
Date: Tue, 22 May 2012 21:19:27 GMT
Etag: "385ac9b924a0ada2bd18a587699b20ff"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo

Get MCU Pool

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/mcu-pools/1?type=identifier>
or
- <https://<server>:<port>/api/rest/mcu-pools/mcu-pool-1?type=name>

Request Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns3:plcm-mcu-pool xmlns="urn:com:polycom:api:rest:plcm-mcu-capacity"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-pool">
  <plcm-mcu-capacity>
    <mcu-card-type>mpm</mcu-card-type>
    <total-audio-ports>20</total-audio-ports>
    <total-video-ports>76</total-video-ports>
  </plcm-mcu-capacity>
  <ns2:link title="Contained MCU" type="application/vnd.plcm.plcm-mcu+xml"
rel="urn:com:polycom:api:rest:link-relations:contained-mcu" href="https://joanne-
vm2.prx.eng.westminster.polycom.com:8443/api/rest/mcus/30304b0b-af46-48e3-a69c-aa5c6554f8b8"/>
  <ns2:link title="Containing MCU Pool Order" type="application/vnd.plcm.plcm-mcu-pool-
order+xml" rel="urn:com:polycom:api:rest:link-relations:containing-mcu-pool-order"
href="https://joanne-vm2.prx.eng.westminster.polycom.com:8443/api/rest/mcu-pool-orders/0"/>
  <ns2:link title="Self Relationship" type="application/vnd.plcm.plcm-mcu-pool+xml" rel="self"
href="https://joanne-vm2.prx.eng.westminster.polycom.com:8443/api/rest/mcu-pools/1"/>
  <ns3:mcu-pool-identifier>1</ns3:mcu-pool-identifier>
  <ns3:name>mcu-pool-1</ns3:name>
  <ns3:entity-tag>28891f334c7ed92de9b3bb1ef82a457f</ns3:entity-tag>
  <ns3:mcu-identifier>
    <ns3:mcu-identifier>30304b0b-af46-48e3-a69c-aa5c6554f8b8</ns3:mcu-identifier>
  </ns3:mcu-identifier>
</ns3:plcm-mcu-pool>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1342
Content-Type: application/vnd.plcm.plcm-mcu-pool+xml
Date: Tue, 22 May 2012 22:49:17 GMT
Etag: "28891f334c7ed92de9b3bb1ef82a457f"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

MCU Pool Order Resource

The following examples apply to RealPresence DMA systems only.

Get MCU Pool Order List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/mcu-pool-orders>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-mcu-pool-order-list xmlns="urn:com:polycom:api:rest:plcm-mcu-capacity"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-pool-
order" xmlns:ns4="urn:com:polycom:api:rest:plcm-mcu-pool-order-list">
  <plcm-mcu-capacity>
    <mcu-card-type>mpm</mcu-card-type>
    <total-audio-ports>20</total-audio-ports>
    <total-video-ports>76</total-video-ports>
  </plcm-mcu-capacity>
  <ns3:plcm-mcu-pool-order>
    <plcm-mcu-capacity>
      <mcu-card-type>mpm</mcu-card-type>
      <total-audio-ports>20</total-audio-ports>
      <total-video-ports>76</total-video-ports>
    </plcm-mcu-capacity>
    <ns2:link title="Contained MCU Pool" type="application/vnd.plcm.plcm-mcu-pool+xml"
rel="urn:com:polycom:api:rest:link-relations:contained-mcu-pool"
href="https://server:port/api/rest/mcu-pools/1"/>
    <ns2:link title="Self Relationship" type="application/vnd.plcm.plcm-mcu-pool-order+xml"
rel="self" href="https://server:port/api/rest/mcu-pool-orders/0"/>
    <ns3:mcu-pool-order-identifier>0</ns3:mcu-pool-order-identifier>
    <ns3:name>Factory Pool Order</ns3:name>
    <ns3:description>Factory Pool Order</ns3:description>
    <ns3:fall-back-to-available-mcu>true</ns3:fall-back-to-available-mcu>
    <ns3:default-mcu-pool-order>true</ns3:default-mcu-pool-order>
    <ns3:priority>1</ns3:priority>
    <ns3:entity-tag>b80f419ebf5e269ad9bcbca3c21f4afb</ns3:entity-tag>
    <ns3:mcu-pool-identifier>
      <ns3:mcu-pool-identifier>1</ns3:mcu-pool-identifier>
    </ns3:mcu-pool-identifier>
  </ns3:plcm-mcu-pool-order>
</ns4:plcm-mcu-pool-order-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1594
Content-Type: application/vnd.plcm.plcm-mcu-pool-order-list+xml
Date: Tue, 22 May 2012 21:22:14 GMT
Etag: "83ad80fbe866cddb815f0f8be3493e48"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get MCU Pool Order

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/mcu-pool-orders /0?type=identifier>
or
- <https://<server>:<port>/api/rest/mcu-pool-orders/Factory%20Pool%20Order?type=name>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns3:plcm-mcu-pool-order xmlns="urn:com:polycom:api:rest:plcm-mcu-capacity"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-pool-
order">
  <plcm-mcu-capacity>
    <mcu-card-type>mpm</mcu-card-type>
    <total-audio-ports>20</total-audio-ports>
    <total-video-ports>76</total-video-ports>
  </plcm-mcu-capacity>
  <ns2:link title="Contained MCU Pool" type="application/vnd.plcm.plcm-mcu-pool+xml"
rel="urn:com:polycom:api:rest:link-relations:contained-mcu-pool"
href="https://server:port/api/rest/mcu-pools/1"/>
  <ns2:link title="Self Relationship" type="application/vnd.plcm.plcm-mcu-pool-order+xml"
rel="self" href="https://server:port/api/rest/mcu-pool-orders/0"/>
  <ns3:mcu-pool-order-identifier>0</ns3:mcu-pool-order-identifier>
  <ns3:name>Factory Pool Order</ns3:name>
  <ns3:description>Factory Pool Order</ns3:description>
  <ns3:fall-back-to-available-mcu>true</ns3:fall-back-to-available-mcu>
  <ns3:default-mcu-pool-order>true</ns3:default-mcu-pool-order>
  <ns3:entity-tag>b80f419ebf5e269ad9bcbca3c21f4afb</ns3:entity-tag>
  <ns3:mcu-pool-identifier>
    <ns3:mcu-pool-identifier>1</ns3:mcu-pool-identifier>
  </ns3:mcu-pool-identifier>
</ns3:plcm-mcu-pool-order>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1286
Content-Type: application/vnd.plcm.plcm-mcu-pool-order+xml
Date: Tue, 22 May 2012 21:24:05 GMT
Etag: "b80f419ebf5e269ad9bcbca3c21f4afb"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Subscription Resource

The following examples apply to RealPresence DMA systems only.

Get Subscription List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/subscriptions>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns4:plcm-subscription-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-error" xmlns:ns3="urn:com:polycom:api:rest:plcm-
subscription" xmlns:ns4="urn:com:polycom:api:rest:plcm-subscription-list">
  <ns3:plcm-subscription>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-subscription+xml"
rel="self" href="https://server:port/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-
41374dbad353"/>
    <ns3:subscription-identifier>f6f21d3d-bf8e-4884-bbd6-41374dbad353</ns3:subscription-
identifier>
    <ns3:consumer-url>https://10.33.24.38:9000/api/rest/notifications/conference</ns3:consumer-
url>
    <ns3:subject-resource-url>https://server:port/api/rest/conferences</ns3:subject-resource-
url>
    <ns3:time-to-live>3600</ns3:time-to-live>
    <ns3:subscriptionOwnerDomain>LOCAL</ns3:subscriptionOwnerDomain>
    <ns3:subscriptionOwnerUsername>admin</ns3:subscriptionOwnerUsername>
    <ns3:send-update-notifications>true</ns3:send-update-notifications>
    <ns3:entity-tag>f81acedba6687b6f8fc3eb644301c890</ns3:entity-tag>
    <ns3:calculated-expiration-date>2012-05-22T17:09:53.752-06:00</ns3:calculated-expiration-
date>
  </ns3:plcm-subscription>
</ns4:plcm-subscription-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1293
Content-Type: application/vnd.plcm.plcm-subscription-list+xml
Date: Tue, 22 May 2012 22:10:27 GMT
Etag: "f81acedba6687b6f8fc3eb644301c890"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get Subscription

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-41374dbad353>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns3:plcm-subscription xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-error" xmlns:ns3="urn:com:polycom:api:rest:plcm-
subscription">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-subscription+xml" rel="self"
href="https://server:port/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-41374dbad353"/>
  <ns3:subscription-identifier>f6f21d3d-bf8e-4884-bbd6-41374dbad353</ns3:subscription-
identifier>
  <ns3:consumer-url>https://10.33.24.38:9000/api/rest/notifications/conference</ns3:consumer-
url>
  <ns3:subject-resource-url>https://server:port/api/rest/conferences</ns3:subject-resource-url>
  <ns3:time-to-live>3600</ns3:time-to-live>
  <ns3:subscriptionOwnerDomain>LOCAL</ns3:subscriptionOwnerDomain>
  <ns3:subscriptionOwnerUsername>admin</ns3:subscriptionOwnerUsername>
  <ns3:send-update-notifications>true</ns3:send-update-notifications>
  <ns3:entity-tag>f81acedba6687b6f8fc3eb644301c890</ns3:entity-tag>
  <ns3:calculated-expiration-date>2012-05-22T17:09:53.752-06:00</ns3:calculated-expiration-
date>
</ns3:plcm-subscription>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1176
Content-Type: application/vnd.plcm.plcm-subscription+xml
Date: Tue, 22 May 2012 22:11:30 GMT
Etag: "f81acedba6687b6f8fc3eb644301c890"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Update Subscription

- HTTP Method: PUT
- URL: <https://<server>:<port>/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-41374dbad353>
- Request Header: Content-Type: application/vnd.plcm.plcm-subscription+xml

Request Body:

```
<plcm-subscription xmlns="urn:com:polycom:api:rest:plcm-subscription">
<subscription-identifier>f6f21d3d-bf8e-4884-bbd6-41374dbad353</subscription-identifier>
<consumer-url>https://10.33.24.38:9000/api/rest/notifications/conference</consumer-url>
<subject-resource-url>https://server:port/api/rest/conferences</subject-resource-url>
<time-to-live>3600</time-to-live>
<subscriptionOwnerDomain>LOCAL</subscriptionOwnerDomain>
<subscriptionOwnerUsername>admin</subscriptionOwnerUsername>
<send-update-notifications>false</send-update-notifications>
<entity-tag>f81acedba6687b6f8fc3eb644301c890</entity-tag>
<calculated-expiration-date>2012-05-22T17:09:53.752-06:00</calculated-expiration-date>
</plcm-subscription>
```

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 22:13:59 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Delete Subscription

- HTTP Method: DELETE
- URL: https://<server>:<port>/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-41374dbad353

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 22:13:59 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Send Update Notification Now

- HTTP Method: POST
- URL: https://<server>:<port>/api/rest/subscriptions/f6f21d3d-bf8e-4884-bbd6-41374dbad353/send-update-notification-now

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 22:13:59 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Status Resource

The following example applies to RealPresence DMA systems only.

Get Status

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/status>

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Tue, 22 May 2012 21:40:35 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Territory Resource

The following examples apply to RealPresence DMA systems only.

Get Territory List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/territories>

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns3:plcm-territory-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-territory" xmlns:ns3="urn:com:polycom:api:rest:plcm-
territory-list">
  <ns2:plcm-territory>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-territory+xml" rel="self"
href="https://server:port/api/rest/territories/id"/>
    <ns2:territory-identifier>id</ns2:territory-identifier>
    <ns2:name>Default DMA Territory</ns2:name>
    <ns2:description>Default DMA Territory</ns2:description>
    <ns2:primary-node-identifier>primary-node</ns2:primary-node-identifier>
    <ns2:conference-room-host>true</ns2:conference-room-host>
    <ns2:entity-tag>l3f5e1e4e8da811b66d6dd6560cfb693</ns2:entity-tag>
  </ns2:plcm-territory>
</ns3:plcm-territory-list>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 947
Content-Type: application/vnd.plcm.plcm-territory-list+xml
Date: Tue, 22 May 2012 21:41:59 GMT
Etag: "l3f5e1e4e8da811b66d6dd6560cfb693"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Get Territory

- HTTP Method: GET
- URL: https://<server>:<port>/api/rest/territories/id

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns2:plcm-territory xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-territory">
  <link title="Self Relationship" type="application/vnd.plcm.plcm-territory+xml" rel="self"
href="https://server:port/api/rest/territories/id"/>
  <ns2:territory-identifier>id</ns2:territory-identifier>
  <ns2:name>Default DMA Territory</ns2:name>
  <ns2:description>Default DMA Territory</ns2:description>
  <ns2:primary-node-identifier>0f5ba8b3-e2d4-478c-ac11-fa93ffb1c9ac</ns2:primary-node-
identifier>
  <ns2:conference-room-host>true</ns2:conference-room-host>
  <ns2:entity-tag>a35d5f31ef19e5042cd7427385b2133b</ns2:entity-tag>
</ns2:plcm-territory>
```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 834
Content-Type: application/vnd.plcm.plcm-territory+xml
Date: Tue, 22 May 2012 22:03:29 GMT
Etag: "a35d5f31ef19e5042cd7427385b2133b"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

User Resource

The following examples apply to RealPresence DMA systems and RealPresence Resource Manager systems.

Get User List

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/users`

Search Users

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/users?username=<username>`

Response Body:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns5:plcm-user-list xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
user-role" xmlns:ns3="urn:com:polycom:api:rest:plcm-user-role-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-user" xmlns:ns5="urn:com:polycom:api:rest:plcm-user-
list">
  <ns4:plcm-user>
    <link title="Self Relationship" type="application/vnd.plcm.plcm-user+xml" rel="self"
href="https://server:port/api/rest/users/LOCAL/admin"/>
    <link title="Owned Conference Rooms" type="application/vnd.plcm.plcm-conference-room+xml"
rel="urn:com:polycom:api:rest:link-relations:owned-conference-rooms"
href="https://server:port/api/rest/conference-rooms?username=admin&domain=LOCAL"/>
    <plcm-user-role-list>
      <ns2:plcm-user-role>
        <ns2:name>Administrator</ns2:name>
      </ns2:plcm-user-role>
      <ns2:plcm-user-role>
        <ns2:name>Auditor</ns2:name>
      </ns2:plcm-user-role>
      <ns2:plcm-user-role>
        <ns2:name>Provisioner</ns2:name>
      </ns2:plcm-user-role>
    </plcm-user-role-list>
    <ns4:username>admin</ns4:username>
    <ns4:first-name>Default</ns4:first-name>
    <ns4:last-name>System Administrator User</ns4:last-name>
    <ns4:domain>LOCAL</ns4:domain>
    <ns4:disabled>>false</ns4:disabled>
    <ns4:locked>>false</ns4:locked>
    <ns4:entity-tag>260dc1ffa9ac8d1bafa2d2ba41115bd7</ns4:entity-tag>
  </ns4:plcm-user>

```

Response Header:

```
Status Code: 200 OK
Cache-Control: no-cache
Content-Length: 1385
Content-Type: application/vnd.plcm.plcm-user-list+xml
Date: Tue, 22 May 2012 15:06:02 GMT
Etag: "260dc1ffa9ac8d1bafa2d2ba41115bd7"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
Server: false
X-Powered-By: Proximo
```

Create User

- HTTP Method: POST
- URL: `https://<server>:<port>/api/rest/users`
- Request Header: Content-Type: `application/vnd.plcm.plcm-user+xml`

Request Body:

```
<plcm-user xmlns="urn:com:polycom:api:rest:plcm-user">
  <username>user1</username>
  <first-name>user1</first-name>
  <last-name>user1</last-name>
  <password>password</password>
</plcm-user>
```

Response Header:

```
Status Code: 201 Created
Content-Length: 0
Date: Fri, 18 May 2012 16:00:59 GMT
Etag: "7f2e3a433f13efc0dc91fcae435d4d03"
Location: https://server:port/api/rest/users/LOCAL/user1
Server: false
X-Powered-By: Proximo
```

Update User

- HTTP Method: PUT
- URL: `https://<server>:<port>/api/rest/users/<domain>/<username>`
- Request Header: Content-Type: `application/vnd.plcm.plcm-user+xml`

Request Body:

```
<plcm-user xmlns="urn:com:polycom:api:rest:plcm-user">
  <username>user1</username>
  <first-name>user1</first-name>
  <last-name>user1</last-name>
  <domain>LOCAL</domain>
  <password>newpassword</password>
  <entity-tag>7f2e3a433f13efc0dc91fcae435d4d03</entity-tag>
</plcm-user>
```

Response Header: (note it uses the Etag value returned from the create request)

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Fri, 18 May 2012 16:14:35 GMT
Etag: "80791ac3c7fd93bf0920aa2d85084750"
Expires: Wed, 31 Dec 2015 17:00:00 MST
Location: https://server:port/api/rest/users/LOCAL/user1
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Delete User

- HTTP Method: DELETE
- URL: `https://<server>:<port>/api/rest/users/<domain>/<username>`

Response Header:

```
Status Code: 204 No Content
Cache-Control: no-cache
Date: Fri, 18 May 2012 16:15:59 GMT
Expires: Wed, 31 Dec 2015 17:00:00 MST
Pragma: No-cache
Server: false
X-Powered-By: Proximo
```

Device Resource

The following examples apply to RealPresence Resource Manager systems.

Get Device List

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/devices>
- Request Header: Accept: application/vnd.plcm.plcm-device-list+xml

Response Body:

```
<ns11:plcm-device-list xmlns="urn:com:polycom:api:rest:plcm-device-status"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-identity"
xmlns:ns4="urn:com:polycom:api:rest:plcm-gateway-profile"
xmlns:ns5="urn:com:polycom:api:rest:plcm-sip-identity"
xmlns:ns6="urn:com:polycom:api:rest:plcm-isdn-identity"
xmlns:ns7="urn:com:polycom:api:rest:plcm-h323-identity"
xmlns:ns8="urn:com:polycom:api:rest:plcm-h323-alias-type"
xmlns:ns9="urn:com:polycom:api:rest:plcm-service-class"
xmlns:ns10="urn:com:polycom:api:rest:plcm-device"
xmlns:ns11="urn:com:polycom:api:rest:plcm-device-list">
  <ns10:plcm-device>
```

```

<plcm-device-status>
  <gatekeeper-status-enum>UNKNOWN</gatekeeper-status-enum>
  <gab-status-enum>UNKNOWN</gab-status-enum>
  <ldap-status-enum>UNKNOWN</ldap-status-enum>
  <xmpp-status-enum>UNKNOWN</xmpp-status-enum>
  <sip-status-enum>NOT_APPLICABLE</sip-status-enum>
  <exchange-status-enum>NOT_APPLICABLE</exchange-status-enum>
  <managed-status-enum>UNKNOWN</managed-status-enum>
  <gk-configured-server/>
  <sip-configured-server/>
  <isdn-line-status-enum>UNKNOWN</isdn-line-status-enum>
  <endpoint-isdn-type/>
  <device-status-enum>OFFLINE</device-status-enum>
  <device-local-time>2014-11-13T03:06:00.257+08:00</device-local-time>
</plcm-device-status>
<ns2:link href="https://10.220.209.252:8443/api/rest/devices/2012" rel="self"
type="application/vnd.plcm.plcm-device+xml" title="Self Relationship"/>
<ns2:link href="https://10.220.209.252:8443/api/rest/users/LOCAL/SEA-Day1North-
04.303" rel="urn:com:polycom:api:rest:link-relations:device-owner"
type="application/vnd.plcm.plcm-user+xml" title="Device Owner"/>
<ns7:plcm-h323-identity>
  <ns7:h323-alias>
    <ns7:value>SEA-Day1North-04.303</ns7:value>
    <ns8:plcm-h323-alias-type>H323_ID</ns8:plcm-h323-alias-type>
    <ns7:mutable>>false</ns7:mutable>
  </ns7:h323-alias>
  <ns7:h323-alias>
    <ns7:value>12062660444</ns7:value>
    <ns8:plcm-h323-alias-type>H323_DIALDIGITS</ns8:plcm-h323-alias-type>
    <ns7:mutable>>false</ns7:mutable>
  </ns7:h323-alias>
  <ns7:registration-active>>false</ns7:registration-active>
</ns7:plcm-h323-identity>
<ns10:device-identifier>2012</ns10:device-identifier>
<ns10:device-name>SEA-Day1North-04.303</ns10:device-name>
<ns10:device-owner>SEA-Day1North-04.303</ns10:device-owner>
<ns10:owner-domain>LOCAL</ns10:owner-domain>
<ns10:device-model>RealPresence Group 500</ns10:device-model>
<ns10:device-version>Release - 4.1.3.2-200003</ns10:device-version>
<ns10:supports-h323>>true</ns10:supports-h323>
<ns10:supports-isdn>>false</ns10:supports-isdn>
<ns10:supports-sip>>false</ns10:supports-sip>
<ns10:ip-address>10.56.160.32</ns10:ip-address>
<ns10:scheduler-device>>true</ns10:scheduler-device>
<ns10:entity-tag>87319fd35475d66aaabda43be6a76f59</ns10:entity-tag>
<ns10:device-type>GroupSeries</ns10:device-type>
<ns10:manage-mode>Dynamically-managed Endpoint</ns10:manage-mode>
<ns10:serial-number>8213040FD446CV</ns10:serial-number>
<ns10:site>SLU Campus</ns10:site>
</ns10:plcm-device>
<ns10:plcm-device>
  <plcm-device-status>
    <gatekeeper-status-enum>UNKNOWN</gatekeeper-status-enum>

```

```

<gab-status-enum>NOT_REGISTERED</gab-status-enum>
<ldap-status-enum>NOT_APPLICABLE</ldap-status-enum>
<xmpp-status-enum>NOT_APPLICABLE</xmpp-status-enum>
<sip-status-enum>NOT_APPLICABLE</sip-status-enum>
<exchange-status-enum>NOT_APPLICABLE</exchange-status-enum>
<managed-status-enum>NOT_RESPONDING</managed-status-enum>
<gk-configured-server/>
<sip-configured-server/>
<isdn-line-status-enum>UNKNOWN</isdn-line-status-enum>
<endpoint-isdn-type/>
<device-status-enum>OFFLINE</device-status-enum>
<device-local-time>2014-11-13T03:06:00.258+08:00</device-local-time>
</plcm-device-status>
<ns2:link href="https://10.220.209.252:8443/api/rest/devices/2192" rel="self"
type="application/vnd.plcm.plcm-device+xml" title="Self Relationship"/>
<ns2:link href="https://10.220.209.252:8443/api/rest/users/LOCAL/SEA-Fiona-
05.205" rel="urn:com:polycom:api:rest:link-relations:device-owner"
type="application/vnd.plcm.plcm-user+xml" title="Device Owner"/>
<ns7:plcm-h323-identity>
  <ns7:h323-alias>
    <ns7:value>SEA-Fiona-05.205</ns7:value>
    <ns8:plcm-h323-alias-type>H323_ID</ns8:plcm-h323-alias-type>
    <ns7:mutable>>false</ns7:mutable>
  </ns7:h323-alias>
  <ns7:h323-alias>
    <ns7:value>12067401421</ns7:value>
    <ns8:plcm-h323-alias-type>H323_DIALDIGITS</ns8:plcm-h323-alias-type>
    <ns7:mutable>>false</ns7:mutable>
  </ns7:h323-alias>
  <ns7:registration-active>>false</ns7:registration-active>
</ns7:plcm-h323-identity>
<ns10:device-identifier>2192</ns10:device-identifier>
<ns10:device-name>SEA-Fiona-05.205</ns10:device-name>
<ns10:device-owner>SEA-Fiona-05.205</ns10:device-owner>
<ns10:owner-domain>LOCAL</ns10:owner-domain>
<ns10:device-model>HDX 7000 HD</ns10:device-model>
<ns10:device-version>Release - 3.1.3.2-38311</ns10:device-version>
<ns10:supports-h323>>true</ns10:supports-h323>
<ns10:supports-isdn>>false</ns10:supports-isdn>
<ns10:supports-sip>>false</ns10:supports-sip>
<ns10:ip-address>10.57.220.19</ns10:ip-address>
<ns10:scheduler-device>>true</ns10:scheduler-device>
<ns10:entity-tag>61ed96ba3d924875fc82823ea7e68165</ns10:entity-tag>
<ns10:device-type>HDX</ns10:device-type>
<ns10:manage-mode/>
<ns10:serial-number>821310402D9ACN</ns10:serial-number>
<ns10:site>SLU Campus</ns10:site>
</ns10:plcm-device> </ns11:plcm-device-list>

```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: c2bbe7de50f98c165bed8018c4ce2b8e
Date: Fri, 14 Nov 2014 07:54:28 GMT
Content-Type: application/vnd.plcm.plcm-device-list+xml
Transfer-Encoding: chunked
```

Export Devices

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/devices/export-inventory>
- Request Header: Accept: application/zip

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
Date: Fri, 14 Nov 2014 08:00:34 GMT
Content-Type: application/zip
Transfer-Encoding: chunked
```

Get Device

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/devices/2012>
- Request Header: Accept: application/vnd.plcm.plcm-device+xml

Response Body:

```
<ns10:plcm-device xmlns="urn:com:polycom:api:rest:plcm-device-status"
xmlns:ns2="http://www.w3.org/2005/Atom" xmlns:ns3="urn:com:polycom:api:rest:plcm-mcu-identity"
xmlns:ns4="urn:com:polycom:api:rest:plcm-gateway-profile"
xmlns:ns5="urn:com:polycom:api:rest:plcm-sip-identity"
```

```

xmlns:ns6="urn:com:polycom:api:rest:plcm-isdn-identity"
xmlns:ns7="urn:com:polycom:api:rest:plcm-h323-identity"
xmlns:ns8="urn:com:polycom:api:rest:plcm-h323-alias-type"
xmlns:ns9="urn:com:polycom:api:rest:plcm-service-class"
xmlns:ns10="urn:com:polycom:api:rest:plcm-device">
  <plcm-device-status>
    <gatekeeper-status-enum>UNKNOWN</gatekeeper-status-enum>
    <gab-status-enum>UNKNOWN</gab-status-enum>
    <ldap-status-enum>UNKNOWN</ldap-status-enum>
    <xmpp-status-enum>UNKNOWN</xmpp-status-enum>
    <sip-status-enum>NOT_APPLICABLE</sip-status-enum>
    <exchange-status-enum>NOT_APPLICABLE</exchange-status-enum>
    <managed-status-enum>UNKNOWN</managed-status-enum>
    <gk-configured-server/>
    <sip-configured-server/>
    <isdn-line-status-enum>UNKNOWN</isdn-line-status-enum>
    <endpoint-isdn-type/>
    <device-status-enum>OFFLINE</device-status-enum>
    <device-local-time>2014-11-13T03:06:00.257+08:00</device-local-time>
  </plcm-device-status>
  <ns2:link href="https://10.220.209.252:8443/api/rest/devices/2012" rel="self"
type="application/vnd.plcm.plcm-device+xml" title="Self Relationship"/>
  <ns2:link href="https://10.220.209.252:8443/api/rest/users/LOCAL/SEA-Day1North-
04.303" rel="urn:com:polycom:api:rest:link-relations:device-owner"
type="application/vnd.plcm.plcm-user+xml" title="Device Owner"/>
  <ns7:plcm-h323-identity>
    <ns7:h323-alias>
      <ns7:value>SEA-Day1North-04.303</ns7:value>
      <ns8:plcm-h323-alias-type>H323_ID</ns8:plcm-h323-alias-type>
      <ns7:mutable>>false</ns7:mutable>
    </ns7:h323-alias>
    <ns7:h323-alias>
      <ns7:value>12062660444</ns7:value>
      <ns8:plcm-h323-alias-type>H323_DIALDIGITS</ns8:plcm-h323-alias-type>
      <ns7:mutable>>false</ns7:mutable>
    </ns7:h323-alias>
    <ns7:registration-active>>false</ns7:registration-active>
  </ns7:plcm-h323-identity>
  <ns10:device-identifier>2012</ns10:device-identifier>
  <ns10:device-name>SEA-Day1North-04.303</ns10:device-name>
  <ns10:device-owner>SEA-Day1North-04.303</ns10:device-owner>
  <ns10:owner-domain>LOCAL</ns10:owner-domain>
  <ns10:device-model>RealPresence Group 500</ns10:device-model>
  <ns10:device-version>Release - 4.1.3.2-200003</ns10:device-version>
  <ns10:supports-h323>>true</ns10:supports-h323>
  <ns10:supports-isdn>>false</ns10:supports-isdn>
  <ns10:supports-sip>>false</ns10:supports-sip>
  <ns10:ip-address>10.56.160.32</ns10:ip-address>
  <ns10:scheduler-device>>true</ns10:scheduler-device>
  <ns10:entity-tag>87319fd35475d66aaabda43be6a76f59</ns10:entity-tag>
  <ns10:device-type>GroupSeries</ns10:device-type>
  <ns10:manage-mode>Dynamically-managed Endpoint</ns10:manage-mode>
  <ns10:serial-number>8213040FD446CV</ns10:serial-number>

```

```
<ns10:site>SLU Campus</ns10:site>
</ns10:plcm-device>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 87319fd35475d66aaabda43be6a76f59
Date: Fri, 14 Nov 2014 07:59:03 GMT
Content-Type: application/vnd.plcm.plcm-device+xml
Content-Length: 2957
```

Get Device List V3

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/devices>
- Request Header: Accept: application/vnd.plcm.plcm-device-list-v3+xml

Response Body:

```
<ns14:plcm-device-list-v3 xmlns="urn:com:polycom:api:rest:plcm-device-v3"
xmlns:ns2="urn:com:polycom:api:rest:plcm-call-forwarding-rule"
xmlns:ns3="urn:com:polycom:api:rest:plcm-call-forwarding-rule-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-device-status"
xmlns:ns5="http://www.w3.org/2005/Atom" xmlns:ns6="urn:com:polycom:api:rest:plcm-mcu-
identity" xmlns:ns7="urn:com:polycom:api:rest:plcm-gateway-profile"
xmlns:ns8="urn:com:polycom:api:rest:plcm-sip-identity-v2"
xmlns:ns9="urn:com:polycom:api:rest:plcm-sip-contact"
xmlns:ns10="urn:com:polycom:api:rest:plcm-isdn-identity"
xmlns:ns11="urn:com:polycom:api:rest:plcm-h323-identity"
xmlns:ns12="urn:com:polycom:api:rest:plcm-h323-alias-type"
xmlns:ns13="urn:com:polycom:api:rest:plcm-service-class-v2"
xmlns:ns14="urn:com:polycom:api:rest:plcm-device-list-v3">
  <plcm-device-v3>
    <ns4:plcm-device-status>
      <ns4:gatekeeper-status-enum>UNKNOWN</ns4:gatekeeper-status-enum>
      <ns4:gab-status-enum>UNKNOWN</ns4:gab-status-enum>
      <ns4:ldap-status-enum>UNKNOWN</ns4:ldap-status-enum>
      <ns4:xmpp-status-enum>UNKNOWN</ns4:xmpp-status-enum>
      <ns4:sip-status-enum>UNKNOWN</ns4:sip-status-enum>
      <ns4:exchange-status-enum>NOT_APPLICABLE</ns4:exchange-status-enum>
      <ns4:managed-status-enum>UNKNOWN</ns4:managed-status-enum>
```



```

    <ns4:gk-configured-server/>
    <ns4:sip-configured-server/>
    <ns4:isdn-line-status-enum>UNKNOWN</ns4:isdn-line-status-enum>
    <ns4:endpoint-isdn-type/>
    <ns4:device-status-enum>OFFLINE</ns4:device-status-enum>
    <ns4:device-local-time>2015-10-12T14:19:44.416+08:00</ns4:device-local-time>
  </ns4:plcm-device-status>
  <ns5:link href="https://172.21.120.150:8443/api/rest/devices/1" rel="self"
type="application/vnd.plcm.plcm-device" title="Self Relationship"/>
  <ns5:link href="https://172.21.120.150:8443/api/rest/users/PCTC-
RPRMQA/test9001" rel="urn:com:polycom:api:rest:link-relations:device-owner"
type="application/vnd.plcm.plcm-user" title="Device Owner"/>
  <ns8:plcm-sip-identity-v2>
    <ns8:sip-uri>test9001-test9001@plcm.com</ns8:sip-uri>
    <ns8:sip-registration-state>INACTIVE</ns8:sip-registration-state>
  </ns8:plcm-sip-identity-v2>
  <ns11:plcm-h323-identity>
    <ns11:h323-alias>
      <ns11:value>test9001GroupSeries</ns11:value>
      <ns12:plcm-h323-alias-type>H323_ID</ns12:plcm-h323-alias-type>
      <ns11:mutable>>false</ns11:mutable>
    </ns11:h323-alias>
    <ns11:h323-alias>
      <ns11:value>4414007889</ns11:value>
      <ns12:plcm-h323-alias-type>H323_DIALDIGITS</ns12:plcm-h323-alias-type>
      <ns11:mutable>>false</ns11:mutable>
    </ns11:h323-alias>
    <ns11:registration-active>>false</ns11:registration-active>
  </ns11:plcm-h323-identity>
  <device-identifier>1</device-identifier>
  <device-name>test9001GroupSeries</device-name>
  <device-owner>test9001</device-owner>
  <owner-domain>PCTC-RPRMQA</owner-domain>
  <device-model>RealPresence Group 300</device-model>
  <device-version>Release - 5.0.0-211246</device-version>
  <supports-h323>>true</supports-h323>
  <supports-isdn>>false</supports-isdn>
  <supports-sip>>true</supports-sip>
  <ip-address>172.21.123.222</ip-address>
  <scheduler-device>>true</scheduler-device>
  <entity-tag>192c4ae6b148084186a6b7afa692302c</entity-tag>
  <device-type>GroupSeries</device-type>
  <manage-mode>Dynamically-managed Endpoint</manage-mode>
  <serial-number>8213190FFCBED5</serial-number>
  <site>Internet/VPN</site>
  <owner-user-uuid>007b46a6-8ca5-4aa5-9ab5-b042105674fe</owner-user-uuid>
</plcm-device-v3>
</ns14:plcm-device-list-v3>

```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Thu, 15 Oct 2015 03:29:55 GMT
ETag: f09862e965d44a83553abef8dc7cee34
Content-Type: application/vnd.plcm.plcm-device-list-v3+xml
Transfer-Encoding: chunked
```

Get Device V3

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/devices/1>
- Request Header: Accept: application/vnd.plcm.plcm-device-v3+xml

Response Body:

```
<plcm-device-v3 xmlns="urn:com:polycom:api:rest:plcm-device-v3"
xmlns:ns2="urn:com:polycom:api:rest:plcm-call-forwarding-rule"
xmlns:ns3="urn:com:polycom:api:rest:plcm-call-forwarding-rule-list"
xmlns:ns4="urn:com:polycom:api:rest:plcm-device-status"
xmlns:ns5="http://www.w3.org/2005/Atom" xmlns:ns6="urn:com:polycom:api:rest:plcm-mcu-identity"
xmlns:ns7="urn:com:polycom:api:rest:plcm-gateway-profile"
xmlns:ns8="urn:com:polycom:api:rest:plcm-sip-identity-v2"
xmlns:ns9="urn:com:polycom:api:rest:plcm-sip-contact"
xmlns:ns10="urn:com:polycom:api:rest:plcm-isdn-identity"
xmlns:ns11="urn:com:polycom:api:rest:plcm-h323-identity"
xmlns:ns12="urn:com:polycom:api:rest:plcm-h323-alias-type"
xmlns:ns13="urn:com:polycom:api:rest:plcm-service-class-v2">
  <ns4:plcm-device-status>
    <ns4:gatekeeper-status-enum>UNKNOWN</ns4:gatekeeper-status-enum>
    <ns4:gab-status-enum>UNKNOWN</ns4:gab-status-enum>
    <ns4:ldap-status-enum>UNKNOWN</ns4:ldap-status-enum>
    <ns4:xmpp-status-enum>UNKNOWN</ns4:xmpp-status-enum>
    <ns4:sip-status-enum>UNKNOWN</ns4:sip-status-enum>
    <ns4:exchange-status-enum>NOT_APPLICABLE</ns4:exchange-status-enum>
    <ns4:managed-status-enum>UNKNOWN</ns4:managed-status-enum>
    <ns4:gk-configured-server/>
    <ns4:sip-configured-server/>
    <ns4:isdn-line-status-enum>UNKNOWN</ns4:isdn-line-status-enum>
    <ns4:endpoint-isdn-type/>
    <ns4:device-status-enum>OFFLINE</ns4:device-status-enum>
    <ns4:device-local-time>2015-10-12T14:19:44.416+08:00</ns4:device-local-time>
  </ns4:plcm-device-status>
  <ns5:link href="https://172.21.120.150:8443/api/rest/devices/1" rel="self"
type="application/vnd.plcm.plcm-device" title="Self Relationship"/>
```

```
<ns5:link href="https://172.21.120.150:8443/api/rest/users/PCTC-RPRMQA/test9001"
rel="urn:com:polycom:api:rest:link-relations:device-owner"
type="application/vnd.plcm.plcm-user" title="Device Owner"/>
<ns8:plcm-sip-identity-v2>
  <ns8:sip-uri>test9001-test9001@plcm.com</ns8:sip-uri>
  <ns8:sip-registration-state>INACTIVE</ns8:sip-registration-state>
</ns8:plcm-sip-identity-v2>
<ns11:plcm-h323-identity>
  <ns11:h323-alias>
    <ns11:value>test9001GroupSeries</ns11:value>
    <ns12:plcm-h323-alias-type>H323_ID</ns12:plcm-h323-alias-type>
    <ns11:mutable>>false</ns11:mutable>
  </ns11:h323-alias>
  <ns11:h323-alias>
    <ns11:value>4414007889</ns11:value>
    <ns12:plcm-h323-alias-type>H323_DIALDIGITS</ns12:plcm-h323-alias-type>
    <ns11:mutable>>false</ns11:mutable>
  </ns11:h323-alias>
  <ns11:registration-active>>false</ns11:registration-active>
</ns11:plcm-h323-identity>
<device-identifier>1</device-identifier>
<device-name>test9001GroupSeries</device-name>
<device-owner>test9001</device-owner>
<owner-domain>PCTC-RPRMQA</owner-domain>
<device-model>RealPresence Group 300</device-model>
<device-version>Release - 5.0.0-211246</device-version>
<supports-h323>>true</supports-h323>
<supports-isdn>>false</supports-isdn>
<supports-sip>>true</supports-sip>
<ip-address>172.21.123.222</ip-address>
<scheduler-device>>true</scheduler-device>
<entity-tag>192c4ae6b148084186a6b7afa692302c</entity-tag>
<device-type>GroupSeries</device-type>
<manage-mode>Dynamically-managed Endpoint</manage-mode>
<serial-number>8213190FFCBED5</serial-number>
<site>Internet/VPN</site>
<owner-user-uuid>007b46a6-8ca5-4aa5-9ab5-b042105674fe</owner-user-uuid>
</plcm-device-v3>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Thu, 15 Oct 2015 03:35:05 GMT
ETag: 192c4ae6b148084186a6b7afa692302c
Content-Type: application/vnd.plcm.plcm-device-v3+json
Transfer-Encoding: chunked
```

DialStringReservation Resource

The following examples apply to RealPresence Resource Manager systems.

Create DialStringReservation

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/dial-string-reservations>
- Request Header: Content-Type: application/vnd.plcm.plcm-dial-string-reservation+xml

Request Body:

```
<ns2:plcm-dial-string-reservation xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dial-string-reservation">
  <link href="https://10.220.209.252:8443/api/rest/users/LOCAL/admin"
rel="urn:com:polycom:api:rest:link-relations:belongs-to-user"
type="application/vnd.plcm.plcm-user+xml" title="Belongs to User"/>
  <ns2:dial-string-type-enum>H323</ns2:dial-string-type-enum>
  <ns2:device-type>CMA-Desktop</ns2:device-type>
  <ns2:device-name>admin-CMA-Desktop</ns2:device-name>
  <ns2:h323-id>admin-CMA-Desktop2</ns2:h323-id>
  <ns2:e164-number>1112233</ns2:e164-number>
  <ns2:entity-tag>52befcd60a8e8452ad82ed8a150c849f</ns2:entity-tag>
</ns2:plcm-dial-string-reservation>
```

Response Header:

```
HTTP/1.1 201 Created
Server: Apache-Coyote/1.1
X-Powered-By: RealPresence Resource Platform
Cache-Control: no-store,max-age=0,must-revalidate
Pragma:
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
Location: https://10.220.209.252:8443/api/rest/dial-string-reservations/141507/H323
ETag: 5e7cfba55cda20b0b84f6fbfb2a32388
Date: Fri, 14 Nov 2014 08:24:02 GMT
Content-Length:
```

Update DialStringReservation

- HTTP Method: PUT
- URL: <https://<server>:<port>/api/rest/dial-string-reservations/{dial-string-identifier}>
- Request Header: Content-Type: application/vnd.plcm.plcm-dial-string-reservation+xml

Request Body:

```
<ns2:plcm-dial-string-reservation xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dial-string-reservation">
  <link href="https://10.220.209.252:8443/api/rest/devices/52228"
rel="urn:com:polycom:api:rest:link-relations:owned-devices"
type="application/vnd.plcm.plcm-device+xml" title="Owned Devices"/>
  <link href="https://10.220.209.252:8443/api/rest/dial-string-
reservations/135143/H323" rel="self" type="application/vnd.plcm.plcm-dial-string-
reservation+xml" title="Self Relationship"/>
  <link href="https://10.220.209.252:8443/api/rest/users/LOCAL/admin"
rel="urn:com:polycom:api:rest:link-relations:belongs-to-user"
type="application/vnd.plcm.plcm-user+xml" title="Belongs to User"/>
  <ns2:dial-string-identifier>135143</ns2:dial-string-identifier>
  <ns2:dial-string-type-enum>H323</ns2:dial-string-type-enum>
  <ns2:device-type>CMA-Desktop</ns2:device-type>
  <ns2:device-name>admin-CMA-Desktop</ns2:device-name>
  <ns2:h323-id>admin-CMA-Desktop</ns2:h323-id>
  <ns2:e164-number>11122</ns2:e164-number>
  <ns2:entity-tag>52befcd60a8e8452ad82ed8a150c849f</ns2:entity-tag>
</ns2:plcm-dial-string-reservation>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
Location: https://10.220.209.252:8443/api/rest/dial-string-reservations/135143/H323
ETag: 52befcd60a8e8452ad82ed8a150c849f
Date: Fri, 14 Nov 2014 08:21:30 GMT
```

Get DialStringReservation

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/dial-string-reservations/135143/H323>
- Request Header: Accept: application/vnd.plcm.plcm-dial-string-reservation+xml

Response Body:

```
<ns2:plcm-dial-string-reservation xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dial-string-reservation">
  <link href="https://10.220.209.252:8443/api/rest/devices/52228"
rel="urn:com:polycom:api:rest:link-relations:owned-devices"
type="application/vnd.plcm.plcm-device+xml" title="Owned Devices"/>
  <link href="https://10.220.209.252:8443/api/rest/dial-string-
reservations/135143/H323" rel="self" type="application/vnd.plcm.plcm-dial-string-
reservation+xml" title="Self Relationship"/>
  <link href="https://10.220.209.252:8443/api/rest/users/LOCAL/admin"
rel="urn:com:polycom:api:rest:link-relations:belongs-to-user"
type="application/vnd.plcm.plcm-user+xml" title="Belongs to User"/>
  <ns2:dial-string-identifier>135143</ns2:dial-string-identifier>
  <ns2:dial-string-type-enum>H323</ns2:dial-string-type-enum>
  <ns2:device-type>CMA-Desktop</ns2:device-type>
  <ns2:device-name>admin-CMA-Desktop</ns2:device-name>
  <ns2:h323-id>admin-CMA-Desktop</ns2:h323-id>
  <ns2:e164-number>11122</ns2:e164-number>
  <ns2:entity-tag>52befcd60a8e8452ad82ed8a150c849f</ns2:entity-tag>
</ns2:plcm-dial-string-reservation>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 52befcd60a8e8452ad82ed8a150c849f
Date: Fri, 14 Nov 2014 08:19:34 GMT
Content-Type: application/vnd.plcm.plcm-dial-string-reservation+xml
Content-Length: 1169
```

Delete DialStringReservation

- HTTP Method: DELETE
- URL: <https://<server>:<port>/api/rest/dial-string-reservations/135143/H323>

Response Body:

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
Date: Tue, 09 Dec 2014 15:53:52 GMT
```

Group Resource

The following examples apply to RealPresence Resource Manager systems.

Get Group List

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/groups`
- Request Header: Accept: `application/vnd.plcm.plcm-group-list+xml`

Response Body:

```
<ns3:plcm-group-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-group"
xmlns:ns3="urn:com:polycom:api:rest:plcm-group-list">
  <ns2:plcm-group>
    <link href="https://10.220.209.252:8443/api/rest/groups/24159" rel="self"
type="application/vnd.plcm.plcm-group+xml" title="Self Relationship"/>
    <ns2:group-identifier>24159</ns2:group-identifier>
    <ns2:name>Menggr</ns2:name>
    <ns2:description>dfd</ns2:description>
    <ns2:enterprise-directory-viewable>true</ns2:enterprise-directory-viewable>
    <ns2:tenant-id>0</ns2:tenant-id>
    <ns2:entity-tag>ec46474f8180b05a1e9268afb574aa91</ns2:entity-tag>
  </ns2:plcm-group>
  <ns2:plcm-group>
    <link href="https://10.220.209.252:8443/api/rest/groups/24598" rel="self"
type="application/vnd.plcm.plcm-group+xml" title="Self Relationship"/>
    <ns2:group-identifier>24598</ns2:group-identifier>
    <ns2:name>jxgroup</ns2:name>
    <ns2:description>test</ns2:description>
    <ns2:enterprise-directory-viewable>true</ns2:enterprise-directory-viewable>
    <ns2:tenant-id>0</ns2:tenant-id>
    <ns2:entity-tag>cf1959dd3074cd9f25e3d87aa57d08e1</ns2:entity-tag>
  </ns2:plcm-group> </ns3:plcm-group-list>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 52a3ea1425efbb53a0407fa99a3626b4
Date: Fri, 14 Nov 2014 08:09:27 GMT
Content-Type: application/vnd.plcm.plcm-group-list+xml
Content-Length: 5399
```

Get Group

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/groups/24159>
- Request Header: Accept: application/vnd.plcm.plcm-group+xml

Response Body:

```
<ns2:plcm-group xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-group">
  <link href="https://10.220.209.252:8443/api/rest/groups/24159" rel="self"
type="application/vnd.plcm.plcm-group+xml" title="Self Relationship"/>
  <ns2:group-identifier>24159</ns2:group-identifier>
  <ns2:name>Menggr</ns2:name>
  <ns2:description>dfd</ns2:description>
  <ns2:enterprise-directory-viewable>true</ns2:enterprise-directory-viewable>
  <ns2:tenant-id>0</ns2:tenant-id>
  <ns2:entity-tag>ec46474f8180b05a1e9268afb574aa91</ns2:entity-tag>
</ns2:plcm-group>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: ec46474f8180b05a1e9268afb574aa91
Date: Fri, 14 Nov 2014 08:11:54 GMT
Content-Type: application/vnd.plcm.plcm-group+xml
Content-Length: 603
```

LogConfig Resource

Get LogConfig

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/log-config>
- Request Header: Accept: application/vnd.plcm.plcm-log-config+xml

Response Body:

```
<ns2:plcm-log-config xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-log-config"
xmlns:ns3="urn:com:polycom:api:rest:plcm-log-config-remote-destination"
xmlns:ns4="urn:com:polycom:api:rest:plcm-log-config-local-destination">
  <ns2:plcm-log-stream>
    <ns2:name>Jserver</ns2:name>
    <ns4:plcm-log-config-local-destination>
      <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
      <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
      <ns4:max-file-size>100</ns4:max-file-size>
      <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
      <ns4:max-files>29</ns4:max-files>
    </ns4:plcm-log-config-local-destination>
  </ns2:plcm-log-stream>
  <ns2:plcm-log-stream>
    <ns2:name>DeviceManager</ns2:name>
    <ns3:plcm-log-config-remote-destination>
      <ns3:plcm-log-config-level>DEBUG</ns3:plcm-log-config-level>
      <ns3:transport>TCP</ns3:transport>
      <ns3:hostname>10.220.202.240</ns3:hostname>
      <ns3:port>516</ns3:port>
    </ns3:plcm-log-config-remote-destination>
    <ns4:plcm-log-config-local-destination>
      <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
      <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
      <ns4:max-file-size>6</ns4:max-file-size>
      <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
      <ns4:max-files>10</ns4:max-files>
    </ns4:plcm-log-config-local-destination>
  </ns2:plcm-log-stream>
  <ns2:plcm-log-stream>
    <ns2:name>DirectoryService</ns2:name>
    <ns4:plcm-log-config-local-destination>
      <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
      <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
      <ns4:max-file-size>50</ns4:max-file-size>
      <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
      <ns4:max-files>10</ns4:max-files>
    </ns4:plcm-log-config-local-destination>
  </ns2:plcm-log-stream>
  <ns2:plcm-log-stream>
    <ns2:name>Conference</ns2:name>
```

```

<ns3:plcm-log-config-remote-destination>
  <ns3:plcm-log-config-level>NONE</ns3:plcm-log-config-level>
  <ns3:transport>TCP</ns3:transport>
  <ns3:hostname>10.220.202.240</ns3:hostname>
  <ns3:port>516</ns3:port>
</ns3:plcm-log-config-remote-destination>
<ns4:plcm-log-config-local-destination>
  <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
  <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
  <ns4:max-file-size>6</ns4:max-file-size>
  <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
  <ns4:max-files>10</ns4:max-files>
</ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Corosync</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>DEBUG</ns3:plcm-log-config-level>
    <ns3:transport>TCP</ns3:transport>
    <ns3:hostname>10.220.202.240</ns3:hostname>
    <ns3:port>516</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>10</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Redundancy</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>TCP</ns3:transport>
    <ns3:hostname>10.220.202.240</ns3:hostname>
    <ns3:port>516</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>10</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>JserverAudit</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>

```

```

</ns3:plcm-log-config-remote-destination>
<ns4:plcm-log-config-local-destination>
  <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
  <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
  <ns4:max-file-size>6</ns4:max-file-size>
  <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
  <ns4:max-files>341</ns4:max-files>
</ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Kernel</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>HIDS</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>AccessLog</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>

```

```
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:entity-tag>75eeb7c3a5635ae0466b48526bd163eb</ns2:entity-tag>
</ns2:plcm-log-config>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 75eeb7c3a5635ae0466b48526bd163eb
Date: Fri, 14 Nov 2014 08:13:09 GMT
Content-Type: application/vnd.plcm.plcm-log-config+xml
Content-Length: 6410
```

Update LogConfig

- HTTP Method: PUT
- URL: <https://<server>:<port>/api/rest/log-config>
- Request Header: Content-Type: application/vnd.plcm.plcm-log-config+xml

Request Body:

```
<ns2:plcm-log-config xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-log-config"
xmlns:ns3="urn:com:polycom:api:rest:plcm-log-config-remote-destination"
xmlns:ns4="urn:com:polycom:api:rest:plcm-log-config-local-destination">
  <ns2:plcm-log-stream>
    <ns2:name>Jserver</ns2:name>
    <ns4:plcm-log-config-local-destination>
      <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
      <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
      <ns4:max-file-size>100</ns4:max-file-size>
      <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
      <ns4:max-files>29</ns4:max-files>
    </ns4:plcm-log-config-local-destination>
  </ns2:plcm-log-stream>
  <ns2:plcm-log-stream>
    <ns2:name>DeviceManager</ns2:name>
    <ns3:plcm-log-config-remote-destination>
      <ns3:plcm-log-config-level>DEBUG</ns3:plcm-log-config-level>
      <ns3:transport>TCP</ns3:transport>
      <ns3:hostname>10.220.202.240</ns3:hostname>
      <ns3:port>516</ns3:port>
```

```

</ns3:plcm-log-config-remote-destination>
<ns4:plcm-log-config-local-destination>
  <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
  <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
  <ns4:max-file-size>6</ns4:max-file-size>
  <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
  <ns4:max-files>10</ns4:max-files>
</ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>DirectoryService</ns2:name>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>50</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>10</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Conference</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>NONE</ns3:plcm-log-config-level>
    <ns3:transport>TCP</ns3:transport>
    <ns3:hostname>10.220.202.240</ns3:hostname>
    <ns3:port>516</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>10</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Corosync</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>DEBUG</ns3:plcm-log-config-level>
    <ns3:transport>TCP</ns3:transport>
    <ns3:hostname>10.220.202.240</ns3:hostname>
    <ns3:port>516</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>DEBUG</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>10</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Redundancy</ns2:name>

```

```

<ns3:plcm-log-config-remote-destination>
  <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
  <ns3:transport>TCP</ns3:transport>
  <ns3:hostname>10.220.202.240</ns3:hostname>
  <ns3:port>516</ns3:port>
</ns3:plcm-log-config-remote-destination>
<ns4:plcm-log-config-local-destination>
  <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
  <ns4:plcm-rolling-frequency>DAILY</ns4:plcm-rolling-frequency>
  <ns4:max-file-size>6</ns4:max-file-size>
  <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
  <ns4:max-files>10</ns4:max-files>
</ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>JserverAudit</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>Kernel</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>HIDS</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>

```

```

</ns3:plcm-log-config-remote-destination>
<ns4:plcm-log-config-local-destination>
  <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
  <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
  <ns4:max-file-size>6</ns4:max-file-size>
  <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
  <ns4:max-files>341</ns4:max-files>
</ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:plcm-log-stream>
  <ns2:name>AccessLog</ns2:name>
  <ns3:plcm-log-config-remote-destination>
    <ns3:plcm-log-config-level>INFORMATIONAL</ns3:plcm-log-config-level>
    <ns3:transport>UDP</ns3:transport>
    <ns3:hostname>10.250.179.110</ns3:hostname>
    <ns3:port>514</ns3:port>
  </ns3:plcm-log-config-remote-destination>
  <ns4:plcm-log-config-local-destination>
    <ns4:plcm-log-config-level>INFORMATIONAL</ns4:plcm-log-config-level>
    <ns4:plcm-rolling-frequency>MONTHLY</ns4:plcm-rolling-frequency>
    <ns4:max-file-size>6</ns4:max-file-size>
    <ns4:max-file-size-unit>MB</ns4:max-file-size-unit>
    <ns4:max-files>341</ns4:max-files>
  </ns4:plcm-log-config-local-destination>
</ns2:plcm-log-stream>
<ns2:entity-tag>75eeb7c3a5635ae0466b48526bd163eb</ns2:entity-tag>
</ns2:plcm-log-config>

```

Response Header:

```

HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
X-Frame-Options: SAMEORIGIN
ETag: 75eeb7c3a5635ae0466b48526bd163eb
Date: Fri, 14 Nov 2014 08:15:36 GMT

```

Provisioning Profile Resource

Admin Config Provisioning Profile Resource

Read CallSettings

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/provision/admin-config-provisioning-profile/call-settings>
- Request Header: Accept: application/vnd.plcm.plcm-admin-config-provisioning-profile-call-settings+xml

Response Body:

```
<ns2:plcm-admin-config-provisioning-profile-call-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-admin-
config-provisioning-profile-call-settings">
  <ns2:preferred-dialing-method-enum>AUTO</ns2:preferred-dialing-method-enum>
  <ns2:maximum-speed-for-receiving-calls>384</ns2:maximum-speed-for-receiving-calls>
  <ns2:preferred-speed-for-placing-calls>384</ns2:preferred-speed-for-placing-calls>
  <ns2:entity-tag>d6f1a3c6582b33861a1c89f8b5a7d8be</ns2:entity-tag>
</ns2:plcm-admin-config-provisioning-profile-call-settings>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: d6f1a3c6582b33861a1c89f8b5a7d8be
```

Update CallSettings

- HTTP Method: PUT
- URL: https://<server>:<port>/api/rest/provision/admin-config-provisioning-profile/call-settings
- Request Header: Accept: application/vnd.plcm.plcm-admin-config-provisioning-profile-call-settings+xml

Request Body:

```
<ns2:plcm-admin-config-provisioning-profile-call-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-admin-
config-provisioning-profile-call-settings">
  <ns2:preferred-dialing-method-enum>AUTO</ns2:preferred-dialing-method-enum>
  <ns2:maximum-speed-for-receiving-calls>384</ns2:maximum-speed-for-receiving-calls>
  <ns2:preferred-speed-for-placing-calls>384</ns2:preferred-speed-for-placing-calls>
  <ns2:entity-tag>d6f1a3c6582b33861a1c89f8b5a7d8be</ns2:entity-tag>
</ns2:plcm-admin-config-provisioning-profile-call-settings>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Network Provisioning Profile Resource

Read H323Settings

- HTTP Method: GET
- URL: https://<server>:<port>/api/rest/provision/network-provisioning-profile/h323-settings
- Request Header: application/vnd.plcm.plcm-network-provisioning-profile-h323-settings+xml

Response Body:

```
<ns2:plcm-network-provisioning-profile-h323-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-h323-settings">
  <ns2:enable-ip-h323>false</ns2:enable-ip-h323>
  <ns2:gate-keeper-address/>
  <ns2:use-gate-keeper-for-multipoint-calls-enum>DYNAMIC</ns2:use-gate-keeper-for-
multipoint-calls-enum>
  <ns2:entity-tag>3e6d1984397a14a78623c47dfa0f3072</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-h323-settings>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: 3e6d1984397a14a78623c47dfa0f3072
```

Update H323Settings

- HTTP Method: PUT
- URL: https://<server>:<port>/api/rest/provision/admin-config-provisioning-profile/h323-settings
- Request Header: application/vnd.plcm.plcm-network-provisioning-profile-h323-settings+xml

Request Body:

```
<ns2:plcm-network-provisioning-profile-h323-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-h323-settings">
  <ns2:enable-ip-h323>true</ns2:enable-ip-h323>
  <ns2:gate-keeper-address>1.1.1.1</ns2:gate-keeper-address>
  <ns2:use-gate-keeper-for-multipoint-calls-enum>DYNAMIC</ns2:use-gate-keeper-for-
multipoint-calls-enum>
  <ns2:entity-tag>3e6d1984397a14a78623c47dfa0f3072</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-h323-settings>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Read SipSettings

- HTTP Method: GET
- URL: `https://<server>:<port>/api/rest/provision/network-provisioning-profile/sip-settings`
- Request Header: `application/vnd.plcm.plcm-network-provisioning-profile-sip-settings+xml`

Response Body:

```
<ns2:plcm-network-provisioning-profile-sip-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-sip-settings">
  <ns2:enable-sip>false</ns2:enable-sip>
  <ns2:automatically-discover-sip-servers>true</ns2:automatically-discover-sip-
servers>
  <ns2:proxy-server/>
  <ns2:registrar-server/>
  <ns2:backup-proxy-server/>
  <ns2:backup-registrar-server/>
  <ns2:transport-protocol-enum>AUTO</ns2:transport-protocol-enum>
  <ns2:server-type>STANDARD</ns2:server-type>
  <ns2:verify-certificate>false</ns2:verify-certificate>
  <ns2:use-endpoint-provisioning-credentials>true</ns2:use-endpoint-provisioning-
credentials>
  <ns2:use-enterprise-uri>true</ns2:use-enterprise-uri>
  <ns2:common-sip-user-name/>
  <ns2:common-sip-password/>
  <ns2:entity-tag>1bdbbcf0d2f1bbe029971774c76994f5</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-sip-settings>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: 1bdbbcf0d2f1bbe029971774c76994f5
```

Update SipSettings

- HTTP Method: PUT
- URL: <https://<server>:<port>/api/rest/provision/network-provisioning-profile/sip-settings>
- Request Header: application/vnd.plcm.plcm-network-provisioning-profile-sip-settings+xml

Request Body:

```
<ns2:plcm-network-provisioning-profile-sip-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-sip-settings">
  <ns2:enable-sip>false</ns2:enable-sip>
  <ns2:automatically-discover-sip-servers>true</ns2:automatically-discover-sip-
servers>
  <ns2:proxy-server/>
  <ns2:registrar-server/>
  <ns2:backup-proxy-server/>
  <ns2:backup-registrar-server/>
  <ns2:transport-protocol-enum>AUTO</ns2:transport-protocol-enum>
  <ns2:server-type>STANDARD</ns2:server-type>
  <ns2:verify-certificate>false</ns2:verify-certificate>
  <ns2:use-endpoint-provisioning-credentials>true</ns2:use-endpoint-provisioning-
credentials>
  <ns2:use-enterprise-uri>true</ns2:use-enterprise-uri>
  <ns2:common-sip-user-name/>
  <ns2:common-sip-password/>
  <ns2:entity-tag>1bdbbcf0d2f1bbe029971774c76994f5</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-sip-settings>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Read QosSettings

- HTTP Method: GET
- URL: <https://<server>:<port>/api/rest/provision/network-provisioning-profile/qos-settings>
- Request Header: application/vnd.plcm.plcm-network-provisioning-profile-qos-settings+xml

Response Body:

```
<ns2:plcm-network-provisioning-profile-qos-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-qos-settings">
  <ns2:type-of-service-field-enum>IP_PRECEDENCE</ns2:type-of-service-field-enum>
  <ns2:video-type-of-service-value>4</ns2:video-type-of-service-value>
  <ns2:audio-type-of-service-value>5</ns2:audio-type-of-service-value>
  <ns2:fecc-type-of-service-value>3</ns2:fecc-type-of-service-value>
  <ns2:maximum-transmission-unit-size>1260</ns2:maximum-transmission-unit-size>
  <ns2:enable-pvec>true</ns2:enable-pvec>
  <ns2:enable-rsvp>true</ns2:enable-rsvp>
  <ns2:enable-dynamic-bandwidth>true</ns2:enable-dynamic-bandwidth>
  <ns2:maximum-transmit-bandwidth>4096</ns2:maximum-transmit-bandwidth>
  <ns2:maximum-receive-bandwidth>4096</ns2:maximum-receive-bandwidth>
  <ns2:operation-and-management-type>0</ns2:operation-and-management-type>
  <ns2:entity-tag>b18cbc51e714946a9e1de19b88da4683</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-qos-settings>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: b18cbc51e714946a9e1de19b88da4683
```

Update QosSettings

- HTTP Method: PUT
- URL: https://<server>:<port> /api/rest/provision/network-provisioning-profile/qos-settings
- Request Header: application/vnd.plcm.plcm-network-provisioning-profile-qos-settings+xml

Request Body:

```
<ns2:plcm-network-provisioning-profile-qos-settings
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-network-
provisioning-profile-qos-settings">
  <ns2:type-of-service-field-enum>IP_PRECEDENCE</ns2:type-of-service-field-enum>
  <ns2:video-type-of-service-value>4</ns2:video-type-of-service-value>
  <ns2:audio-type-of-service-value>5</ns2:audio-type-of-service-value>
  <ns2:fecc-type-of-service-value>3</ns2:fecc-type-of-service-value>
  <ns2:maximum-transmission-unit-size>1260</ns2:maximum-transmission-unit-size>
  <ns2:enable-pvec>true</ns2:enable-pvec>
  <ns2:enable-rsvp>true</ns2:enable-rsvp>
  <ns2:enable-dynamic-bandwidth>true</ns2:enable-dynamic-bandwidth>
  <ns2:maximum-transmit-bandwidth>4096</ns2:maximum-transmit-bandwidth>
  <ns2:maximum-receive-bandwidth>4096</ns2:maximum-receive-bandwidth>
```

```
<ns2:operation-and-management-type>0</ns2:operation-and-management-type>
<ns2:entity-tag>b18cbc51e714946a9e1de19b88da4683</ns2:entity-tag>
</ns2:plcm-network-provisioning-profile-qos-settings>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Network Device Resource

Add dma

- HTTP Method: POST
- URL: `https://<server>:<port> /api/rest/network-device/dmas`
- Request Header: `application/vnd.plcm.plcm-dma-local-cluster+xml`

Request Body:

```
<ns2:plcm-dma-local-cluster xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dma-local-cluster">
  <link href="https://10.220.202.151:8443/dmas/uuid/f8e4dfc2-ff63-48a7-b58b-
150763fc6d96" rel="self" type="application/vnd.plcm.plcm-sip-alias" title="Self
Relationship"/>
  <ns2:device-name>172.21.120.3</ns2:device-name>
  <ns2:description>172.21.120.3</ns2:description>
  <ns2:ipaddress-or-host>172.21.120.3</ns2:ipaddress-or-host>
  <ns2:port>8443</ns2:port>
  <ns2:username>admin</ns2:username>
  <ns2:password>admin</ns2:password>
  <ns2:used-as-conference-manager>true</ns2:used-as-conference-manager>
  <ns2:use-as-call-server>false</ns2:use-as-call-server>
  <ns2:scheduling-capacity>100</ns2:scheduling-capacity>
  <ns2:support-dma-super-cluster>false</ns2:support-dma-super-cluster>
</ns2:plcm-dma-local-cluster>
```

Response Header:

```
HTTP/1.1 201 Created
Server: Apache-Coyote/1.1
X-Powered-By: RealPresence Resource Platform
Cache-Control: no-store,max-age=0,must-revalidate
Pragma:
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: 025473bd7fab2e9914567330a28510ea
```

Search dma

- HTTP Method: POST
- URL: <https://<server>:<port>/api/rest/network-device/dmas>
- Request Header: Accept: application/vnd.plcm.plcm-dma-local-cluster-list+xml

Response Body:

```
<ns3:plcm-dma-local-cluster-list xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-dma-local-cluster"
xmlns:ns3="urn:com:polycom:api:rest:plcm-dma-local-cluster-list">
  <ns2:plcm-dma-local-cluster>
    <link href="https://10.220.209.186:8443/dmas/8eff36ca-ad2a-4f32-808b-
802e373642cd" rel="self" type="application/vnd.plcm.plcm-dma-local-cluster"
title="Self Relationship"/>
    <ns2:device-uuid>8eff36ca-ad2a-4f32-808b-802e373642cd</ns2:device-uuid>
    <ns2:device-name>172.21.120.3</ns2:device-name>
    <ns2:description>172.21.120.3</ns2:description>
    <ns2:ipaddress-or-host>172.21.120.3</ns2:ipaddress-or-host>
    <ns2:port>8443</ns2:port>
    <ns2:username>admin</ns2:username>
    <ns2:password>admin</ns2:password>
    <ns2:used-as-conference-manager>true</ns2:used-as-conference-manager>
    <ns2:use-as-call-server>false</ns2:use-as-call-server>
    <ns2:scheduling-capacity>100</ns2:scheduling-capacity>
    <ns2:support-dma-super-cluster>false</ns2:support-dma-super-cluster>
    <ns2:entity-tag>025473bd7fab2e9914567330a28510ea</ns2:entity-tag>
  </ns2:plcm-dma-local-cluster>
</ns3:plcm-dma-local-cluster-list>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
ETag: 025473bd7fab2e9914567330a28510ea
```

Delete dma

- HTTP Method: DELETE
- URL: `https://<server>:<port> /api/rest/network-device/dmas/<uuid>`
- Request Header:

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Enterprise Directory Resource

Read AD integration

- HTTP Method: GET
- URL: `https://<server>:<port> /api/rest/config/enterprise-directory`
- Request Header: Accept: `application/vnd.plcm.plcm-enterprise-directory-config+xml`

Response Body:

```
<ns2:plcm-enterprise-directory-config xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-enterprise-directory-config">
  <ns2:enable-integration>>false</ns2:enable-integration>
  <ns2:auto-discover-server>>false</ns2:auto-discover-server>
  <ns2:address/>
  <ns2:user-name/>
  <ns2:password/>
  <ns2:user-filter/>
  <ns2:base-directory-name/>
  <ns2:security-level-enum>PLAIN</ns2:security-level-enum>
  <ns2:real-time-integrated>>false</ns2:real-time-integrated>
  <ns2:entity-tag>b85110d4d719b27e38592e05ffe2105c</ns2:entity-tag>
</ns2:plcm-enterprise-directory-config>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
Content-Type: application/vnd.plcm.plcm-enterprise-directory-config+xml
```

Update AD settings

- HTTP Method: PUT
- URL: `https://<server>:<port> /api/rest/config/enterprise-directory`
- Request Header: Accept: `application/vnd.plcm.plcm-enterprise-directory-config+xml`

Request Body:

```
<ns2:plcm-enterprise-directory-config xmlns="http://www.w3.org/2005/Atom"
xmlns:ns2="urn:com:polycom:api:rest:plcm-enterprise-directory-config">
  <ns2:enable-integration>true</ns2:enable-integration>
  <ns2:auto-discover-server>false</ns2:auto-discover-server>
  <ns2:address>ad.pctc-dmaqa.com</ns2:address>
  <ns2:user-name>pctc-dmaqa.com\kelly</ns2:user-name>
  <ns2:password>Polycom123</ns2:password>
  <ns2:user-filter/>
  <ns2:base-directory-name/>
  <ns2:security-level-enum>PLAIN</ns2:security-level-enum>
  <ns2:entity-tag>b85110d4d719b27e38592e05ffe2105c</ns2:entity-tag>
</ns2:plcm-enterprise-directory-config>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```

Read sso settings

- HTTP Method: GET
- URL: `https://<server>:<port> /api/rest/config/enterprise-directory/delegate-authentication`
- Request Header: Accept: `application/vnd.plcm.plcm-enterprise-directory-delegate-authentication+xml`

Response Body:

```
<ns2:plcm-enterprise-directory-delegate-authentication
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
enterprise-directory-delegate-authentication">
  <ns2:enable-delegate-authentication>false</ns2:enable-delegate-authentication>
  <ns2:auto-discover-domain-controller>false</ns2:auto-discover-domain-controller>
  <ns2:domain-controller-address/>
  <ns2:domain/>
  <ns2:computer-name/>
  <ns2:entity-tag>a19768006f6cf3f89dd4a049d7bdc30c</ns2:entity-tag>
</ns2:plcm-enterprise-directory-delegate-authentication>
```

Response Header:

```
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
Content-Type: application/vnd.plcm.plcm-enterprise-directory-delegate-
authentication+xml
Transfer-Encoding: chunked
```

Update sso settings:

- HTTP Method: PUT
- URL: `https://<server>:<port> /api/rest/config/enterprise-directory/delegate-authentication`
- Request Header:

Request Body:

```
<ns2:plcm-enterprise-directory-delegate-authentication
xmlns="http://www.w3.org/2005/Atom" xmlns:ns2="urn:com:polycom:api:rest:plcm-
enterprise-directory-delegate-authentication">
  <ns2:enable-delegate-authentication>true</ns2:enable-delegate-authentication>
  <ns2:auto-discover-domain-controller>false</ns2:auto-discover-domain-controller>
  <ns2:domain-controller-address>ad.pctc-dmaqa.com</ns2:domain-controller-address>
  <ns2:domain>PCTC-DMAQA</ns2:domain>
  <ns2:computer-name>OS65-Sean</ns2:computer-name>
  <ns2:password>Polycom123</ns2:password>
  <ns2:entity-tag>a19768006f6cf3f89dd4a049d7bdc30c</ns2:entity-tag>
</ns2:plcm-enterprise-directory-delegate-authentication>
```

Response Header:

```
HTTP/1.1 204 No Content
Server: Apache-Coyote/1.1
Pragma:
Cache-Control: no-store,max-age=0,must-revalidate
Expires: Wed, 31 Dec 1969 23:59:59 GMT
X-Powered-By: RealPresence Resource Platform
X-Frame-Options: SAMEORIGIN
Date: Wed, 21 Oct 2015 22:40:25 GMT
```
