Web Services API

User Guide

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Overview

About the Web Services Platform

The Vidyo Web Services Platform offers access to its state of the art, internet-based video conferencing technology.

The Vidyo Web Services Package consists of the Web Services API, sample code, and this *Web Services API User Guide* for users who wish to develop their own front-end portals or video endpoint applications.

This User Guide describes how to use the Web Services API for developing custom applications for user and admin management in order to facilitate everything required to initiate and manage a conference call.

The System in Brief

Vidyo's end-to-end enterprise solution leverages the ground breaking possibilities offered by the H.264 SVC standard combined with Vidyo's patent pending VidyoTechnology to produce a rate-matched, personal layout, HD VidyoConference experience on any IP based general purpose network—even the Internet. The diagram below illustrates a typical deployment.
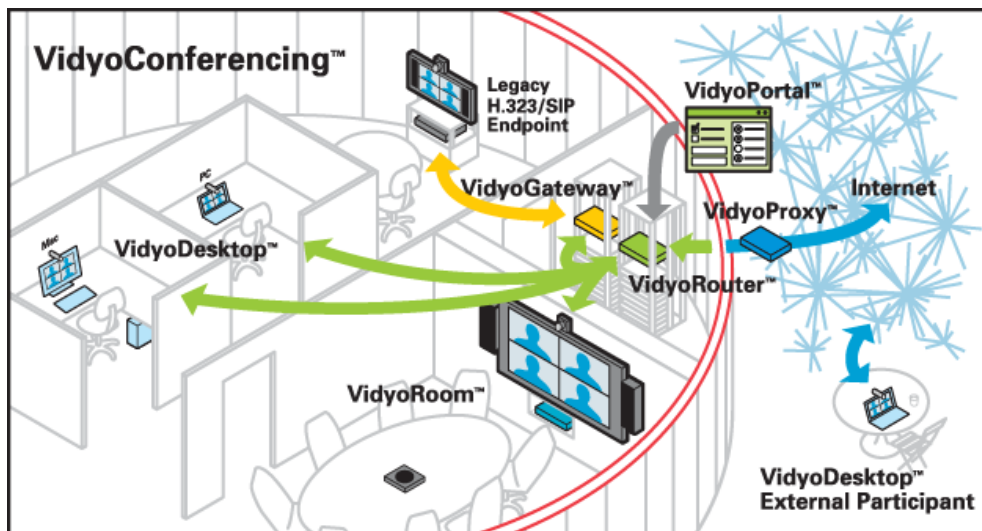
This chapter provides a high level description for the major VidyoConferencing components:

- VidyoPortal
- VidyoRouter
- VidyoGateway
- VidyoRoom

- VidyoDesktop
- VidyoMobile

VidyoPortal—Central Management and User Access

The VidyoPortal provides central management of all of the Vidyo components on the network. It is an easy to use secure web portal that allows for integration with existing secure LDAP and Active Directory databases for user authentication, as well as maintaining its own user database. The VidyoPortal allows administrators from any location on the network to control every aspect of the VidyoConferencing solution from a central location. Administrators can control system-wide parameters and policies, establish end-user and association privileges, and customize user conferencing capabilities.

The VidyoPortal also acts as a web front end for all users of the system. Its flexible user interface facilitates everything required to initiate and manage a call. Users have control over adding, disconnecting, muting and unmuting participants along with many other conference control parameters. The interface allows users to manage and customize their own contact lists and to initiate reservation-less multipoint conferences as well as point to point calls.

VidyoRouter—Multipoint Bridging

The VidyoRouter is the core infrastructure product for conducting all videoconferences. It is an intelligent routing appliance that uses patented scalable video packet switching technology to achieve unprecedented performance and features without the need for expensive, time consuming transcoding. All video traffic is managed by the VidyoRouter. Additionally, conferences can span across multiple VidyoRouters, achieving maximized WAN utilization as well as redundancy and efficiency.

The VidyoRouter's technology provides each individual conference participant with the following critical features:

Rate and resolution matching – This allows conference participants to join from any network location and environment. It eliminates the lowest common denominator aspect of videoconferencing and allows every participant to send and receive the best possible video based on network condition, available CPU and screen resolution. Users on low capacity desktops and mobile devices can receive video from HD participants without the need for transcoding, and users at low bandwidth locations can receive video from participants sending at high bit rates. These calculations are all done by the VidyoRouter on the fly, as it dynamically adjusts to changing network conditions.

Error resilience – The VidyoRouter is at the heart of Vidyo's ability to overcome network issues such as latency, packet loss, and jitter. The VidyoRouter was built to provide resilient video over any kind of network and eliminates the need for expensive dedicated networks and QoS. By utilizing Scalable Video Coding in conjunction with the VidyoRouter's patented video packet switching technology, the video can withstand upwards of 20% packet loss without experiencing the typical picture breaking that other videoconference solutions experience at less than 1% packet loss.

Low latency – A critical aspect of videoconferencing is the natural interaction between participants. In order to achieve this level of interaction, a solution must maintain low end to end latency. Typical videoconference solutions have higher latency because they must transcode as well as implement other technologies that introduce more latency. The result is an unreliable experience that is unnatural and uncomfortable for interactive communications. The VidyoRouter is optimized for real time interactive communication and typically adds less than 20ms to any multipoint videoconference in real world global deployments. This is especially critical for a globally distributed enterprise where geographic distances heavily impact the total round trip time of video.

Cascading and redundancy – The VidyoRouter further extends the capabilities of the VidyoConferencing infrastructure by providing built in router to router cascading and redundancy features. VidyoRouter cascading creates a cloud network of VidyoRouters that communicate with each other and allow conferences to span across them in an intelligent manner. This minimizes the amount of WAN bandwidth required for location to location conferences, and maximizes use of inexpensive and abundant LAN bandwidth. Also built in to the VidyoRouter architecture is native fall back where upon if a router fails, the system will utilize the next available VidyoRouter in the pool.

Secure network traversal – The VidyoRouter supports secure conferences using AES 128bit encryption. This provides industry standard protection for all conference content. Additionally, with VidyoRouter cascading, routers can be placed on the inside and outside of a trusted network location. This allows IT administrators to create specific rules for router to router communication firewalls. Doing so protects the inside trusted network from ever being directly accessed from any outside element. This also eliminates costly session border controlling devices that create artificial bottlenecks on the network and impede performance while raising costs dramatically.

Vidyo Endpoints

VidyoRoom – The VidyoRoom system is a hardware appliance endpoint which uses Vidyo's SVC technology. It can deliver HD Quality at 60 frames per second. Designed specifically for use over converged IP networks, the VidyoRoom can decode and display multiple HD participants at video quality unequaled by systems that require dedicated bandwidth to perform at their best.

The VidyoRoom system is simple to use, easy to configure and voice-activated with continuous presence. Flexible conference control options make it simple to manage, using either the VidyoPortal or a remote control device. And because video conferencing should be a natural extension of the way people normally work, the VidyoRoom interoperates seamlessly with VidyoDesktop clients, making it possible for people to join a conference from their home office or wherever they happen to be at the moment.

VidyoDesktop – VidyoDesktop is a software client that's easy to use and manage via the VidyoPortal, and it can send and receive in HD. All users are assigned a password-protected personal space, thus making it possible for meetings to be held anytime—whether impromptu or by prior arrangement. It supports standard USB webcams and runs on Macs and PCs, providing an unparalleled personalized multipoint collaborative experience.

VidyoMobile – A program that allows users of smart phones and tablets to participate in point-to-point calls and VidyoConferences. There are versions for both Android and Apple iOS devices and

copies are available from the platforms' respective stores (the Google Play™ store and the AppStore™).

VidyoGateway – The VidyoGateway allows the VidyoConferencing infrastructure to connect to traditional H.323 and SIP devices. It supports standards, such as H.239 for data collaboration, that are required for those devices to communicate, regardless of whether they are endpoints, MCUs, gatekeepers or gateways. For example, the VidyoGateway can be integrated with SIP PBX. It seamlessly integrates into the network providing the end user with an easy experience regardless of whether they're calling a Vidyo device or traditional H.323/SIP device.

Vidyo's Solution Benefits Summary vs. H.264 AVC

This table summarizes the main advantages of Vidyo's Telepresence solution.

Technology	Benefits
Vidyo Quality	VidyoTechnology displays excellent video quality in respect to bandwidth availability, CPU usage and peripheral devices. Since no MCU is needed, VidyoTechnology provides a better image quality under identical conditions. With Legacy H.264 AVC products the MCU adds additional encode-compose-decode function which reduces overall experience, and adds significant delays.
Vidyo Intelligence and Native Rate Matching	VidyoTechnology is able to automatically adjust the quality, resolution and frame rate based on the availability, processing power and screen resolution. Additionally, Vidyo maintains the best possible quality without any freezing or tearing while network conditions are changing versus constant frame rate-resolution combination at legacy H.264 AVC endpoints.
Vidyo Independence	VidyoTechnology allows each endpoint to negotiate rates and resolution independently of the other participants in the conference. This allows every participant to have the best video quality possible without having to lower video quality to the lowest common denominator.
Vidyo IP Error Resilience	VidyoTechnology can provide a good teleconferencing experience while facing 15-20 percent packet loss. Legacy H.264 AVC products become useless and break down in when than packet loss exceeds two to three percent.

Technology	Benefits
Vidyo End to End Delays	The VidyoRouter introduces a delay lower than 20ms. Overall, the VidyoTechnology implementation has significantly lower end to end delays than legacy AVC endpoints. Typical end to end latency for multipoint conference on a VidyoRouter is less than 250ms. This is extremely low compared to legacy videoconferencing systems, which can experience end to end multipoint latency at close to 500 ms.
Vidyo Ease of Use	Vidyo provides an intuitive interface that dynamically adjusts the layout as users join or leave the conference. The users can toggle between different modes and numbers of remote users with one single click. Regular users are able to set up and join conferences without the need for a special operator—a capability few legacy videoconferencing products possess.
Vidyo Redundancy	With VidyoTechnology, adding redundancy involves just adding another low cost VidyoRouter, while retaining existing licenses. For comparison with legacy MCU products a complete MCU with identical capacity needs to be acquired if redundancy is desired.
Vidyo Security	Vidyo supports secure conferencing thanks to the use of AES 128-bit encryption.
Vidyo Low Cost per Conference Line	Vidyo Technology requires less hardware, thus significantly lowering the costs per active line.
Vidyo Savings: No need for MCU. No need for Room ports.	VidyoTechnology does not require an expensive MCU to create a multipoint conference. Unlike traditional videoconferencing solutions, Vidyo's room-based endpoints do not require any additional licenses.

Acronyms Used in This Guide

The following table includes acronyms used in this guide and what they stand for.

Acronym	Detail
AES	Advanced Encryption Standard
API	Application Programming Interface
HTTP	Hypertext Transfer Protocol

Acronym	Detail
LDAP	Lightweight Directory Access Protocol
MCU	Multipoint Control Unit
NAT	Network Address Translator
RTCP	Real-time Transport Control Protocol
RTP	Real-time Transport Protocol
SOAP	Simple Object Access Protocol
WSP	Web Services Platform
WSDL	Web Services Description Language

1. Customizable Architecture

The diagram below shows the customizable components of the VidyoConferencing architecture The Web Services APIs allow third parties to develop their own custom portals or endpoints based on Vidyo's technology

This document does not discuss the VidyoClient API. Please refer to the *Vidyo Client API User Guide* for information about the VidyoClient API.
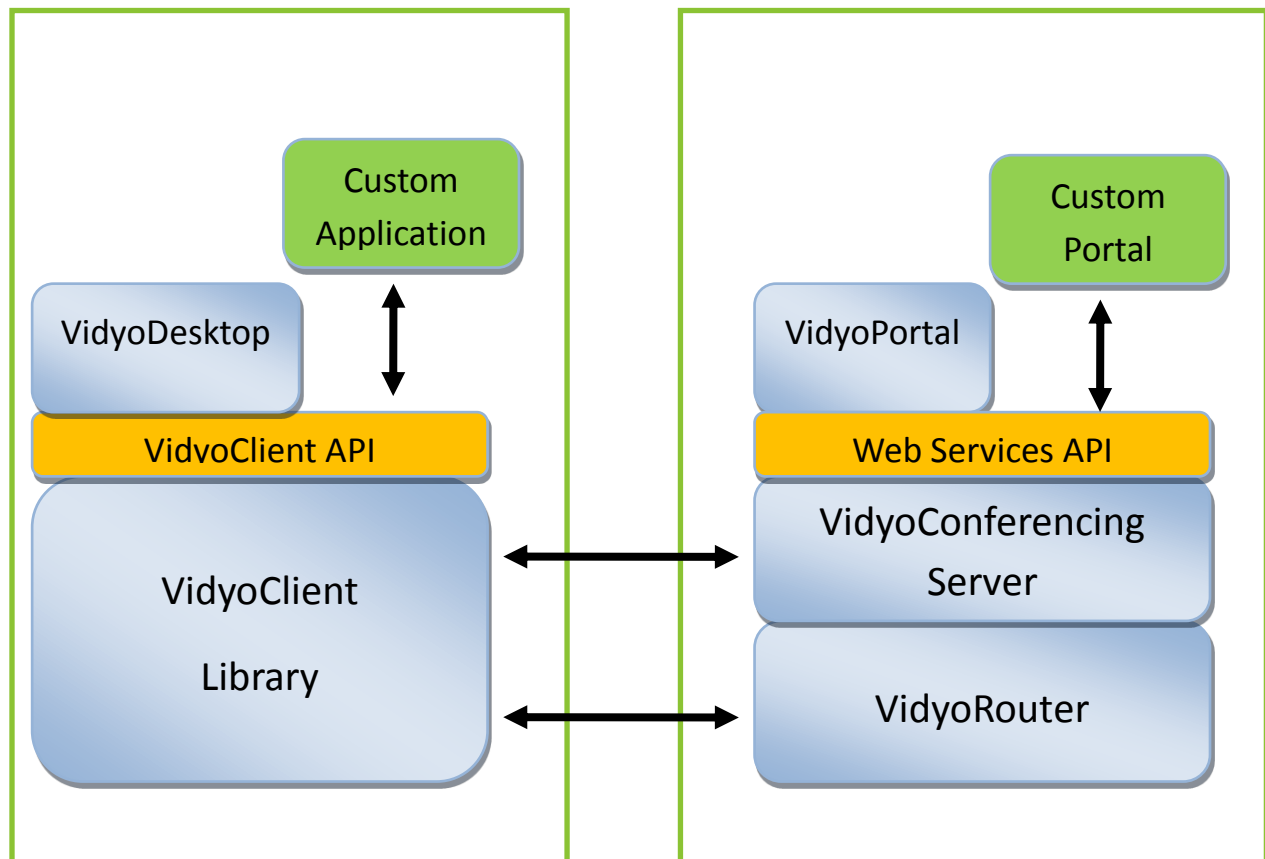
2. VidyoPortal API Overview

The VidyoPortal exposes a set of web services APIs that allow third parties to develop their own custom portals or endpoints based on Vidyo's technology. These services are exposed via following SOAP/WSDL interfaces:

- VidyoPortalSuperService.wsdl

- VidyoPortalAdminService.wsdl

- VidyoPortalGuestService.wsdl

- VidyoPortalUserService.wsdl

One of the advantages of utilizing Vidyo's Web Services Platform is the small number of APIs that are needed. Only a set of very basic and obvious APIs need be employed when interfacing the Conferencing Endpoint Subsystem to the Conferencing Middleware Subsystem hosted by Vidyo's Web Services Platform.

The following sets of APIs are provided:

Super APIs – `(com.vidyo.portal.super)` – A set of super administrative APIs to manage tenants, licenses, and System components etc. as defined in this document. These APIs are restricted to authorized user with "super admin" privileges. These APIs can be used towards developing "super admin" tools.

Admin APIs – `(com.vidyo.portal.admin)` – A set of administrative APIs to manage members, rooms, gateways, etc. as defined in this document. These APIs are restricted to authorized users with "admin" or "operator" privileges. These APIs can be used towards developing "admin" tools.

Guest APIs – `(com.vidyo.portal.guest)` – A set of APIs for developing guest user functionality via Web Services API. The concept of Vidyo Portal Guest API is to allow temporary users to login, temporarily link to an endpoint client and join a conference. These guest users will be automatically deleted by the VidyoPortal once they leave the conference.

User APIs – `(com.vidyo.portal.user)` – A set of APIs for developing third party endpoints or applications targeted for end users, providing functionality like search, join meeting rooms, make direct calls, and so on, as defined in this document.

To start using the web services API, it's important to understand the User Login process. An overview of the login process is included in this section.

Data Model

The data model for 2.x logically consists of Members, Rooms, Gateways, and legacy devices as illustrated in this figure:
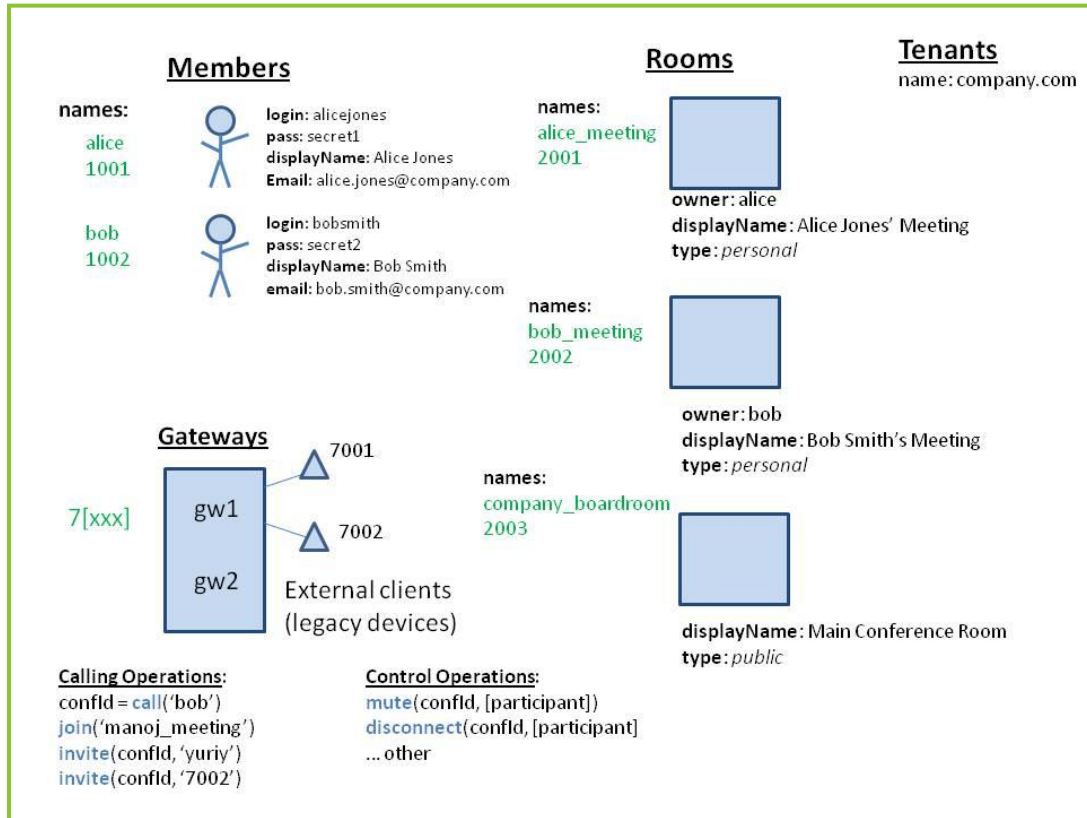
Members—Members are users who have authorized accounts to use the portal. Members always use their login name and password for authentication. Members can originate/receive direct calls (also known as two party calls), join meeting rooms and they can be "invited" to meeting rooms. Members may have a display name and other parameters. Each Member belongs to a Group.

Rooms—Rooms are named conferences that members (or guests) may join, depending on the status, PIN, availability, etc. Rooms are of three types:

- Personal

- Public

- Scheduled

Each room has an owner. The owner can modify the room's properties; control the conference when in session, etc. Each member has one personal room. When a member or a legacy device (via gateway) tries to reach a member with a personal room, they will have an option of either joining the personal room or placing a direct call to the member. Like members, Rooms may also have more descriptive display names. Rooms may also have multiple aliases for addressing purposes. For example, the unique names "alice meeting" and "2001" could both refer to the same meeting room, which has the display name "Alice Jones' Meeting."

Group—A group has a set of properties. All the members belonging to a group share these properties.

Gateways—Gateways are used to make and receive calls to external legacy devices that are not part of Vidyo Conferencing system. Calls to these legacy devices are identified by prefixes followed by the devices address. Based on the prefix, the request is routed to the appropriate gateway to bring a legacy device to the conference.

Guests—Guests do not belong to the system; however, they are allowed to join the room without any authentication. Guest can be invited to a meeting room by using Guest WS API.

Overview of Super APIs

This section describes the Super interface. Implicit in each request are authorization parameters (login and password) identifying the requester These APIs can be used towards developing "super admin" tools. Only members with the role defined as "Admin" are able to use these APIs.

VidyoPortal Super Service URL:

http://VIDYOPORTAL/services/VidyoPortalSuperService?wsdl

The following functionality is available under Super APIs:

Member Tenants Management

- Create a new Tenant
- Delete a Tenant
- Update a Tenant
- Get Tenant's details—all or search based on matching prefixes
- Get list of tenants in the system

Other Methods

- Get system licenses
- Get list of service
- Delete Database
- Get System components
- Get IPC domain access control level
- Get allowed / blocked IPC Domains
- Set IPC control
- Add / Remove allowed IPC Domain
- Get router pool

■ Get location tags

Overview of Admin APIs

This section describes the Admin interface. Implicit in each request are authorization parameters (login and password) identifying the requester These APIs can be used towards developing "admin" tools. Only members with the role defined as "Admin" are able to use these APIs.

VidyoPortal Admin Service URL:

http://VIDYOPORTAL/services/v1_1/VidyoPortalAdminService?wsdl

VidyoReplay Content Management Service URL:

http://VIDYOPORTAL/replay/services/VidyoReplayContentManagementService?wsdl

The following functionalities are available under admin APIs:

Member Account Management

■ Create a new Member

■ Delete a Member

■ Update a Member

■ List Member's details—all or search based on matching prefixes

Meeting Room Management

■ Create a Room

■ Delete a Room

■ Update a Room

■ List Rooms—all or search based on matching prefixes

Group Management

■ Create a Group

■ Delete a Group

■ Update a Group

■ List Groups – all or search based on matching prefixes

The functionality available under the *Admin > Settings* tab like Shutdown, Restart, Upgrade Software, Changing IP address, adding Gateways, etc. are not exposed via web services APIs.

Record Control

■ Start Recording

- Stop Recording

- Resume Recording

- Pause Recording

- Get Recording Profiles

Content Management

- Search Recorded File

- Update Recorded File

- Delete Recorded file

Webcasting

- Create Webcast URL

- Remove Webcast URL

- Get Webcast URL

- Remove Webcast Pin

- Get Recording Profiles

Using Search APIs

When using search APIs, follow these guidelines:

- Searches are not case sensitive.

- Hyphens and periods are delimiters that modify the query to only return exact matches for entire strings.

- Underscores are always treated as part of a string.

- All other special characters are treated as delimiters between strings.

- All strings in the query need to have a match for a record to be returned.

Overview of Guest APIs

This section describes the Guest APIs aimed at developing third party endpoints or applications targeted for end users providing functionality like login as a guest and Join the conference as defined in this section. Guest API methods do not require authorization parameters (login and password).

VidyoPortal Guest Service URL:

http://VIDYOPORTAL/services/VidyoPortalGuestService?wsdl

The following functionality is available under Guest APIs:

- Login as a guest
- Link EndPoint
- Join a Conference as a guest

Guest User Login Process Overview

Definitions

The following parameters are used as part of the Guest Login process:

- guestName
- roomKey
- Portal Access Key (PAK)

  PAK is provided as part of login response by VidyoPortal

- EndpointID (EID)

  A unique identifier representing an Endpoint.

  This is provided by the VidyoDesktop.

- guestID

  A unique identifier representing a Guest within the VidyoPortal.

  This is provided as part of login response by VidyoPortal.

The following steps describe the sequence of events in the Guest Login process:

1. SOAP-Request from Application to VidyoPortal

   LogInAsGuest (roomKey, guestName)

2. SOAP-Response from VidyoPortal to Application

   LogInAsGuest (PAK)

3. For WS Application only:

   a. HTTP-Request from Application to VidyoDesktop on 127.0.0.1:63457 with the following parameters

      □ Redirect URL (URL): The VidyoDesktop provides response using a HTTP redirect. The application provides this Redirect URL and processes the information to retrieve the response parameters.

      □ VidyoManager (vm) address

      □ VidyoPortal (portal) service address

      □ VidyoProxy (proxy) address

      ☐ UN (UN):Temporary Username

      ☐ PAK (PAK): Portal Access Key

      ☐ *e.g.*
```
http://127.0.0.1:63457/dummy?url=http://dev20.vidyo.com/lin
kendpoint.ajax?vm=PVCVG7NXUC5YER8FCXBC1ZD88NK6PQ7VYR2918XAX
RQA600VM0001@dev20.vidyo.com:17992;transport=TCP&un=XpMgcsg
dEl5z5vT8&pak=9YprUdCg8gPKpr5H&proxy=64.71.164.195:443&port
al=http://main.vidyo.com/services/&loctag=Default_Location
```

  b. HTTP-Redirect from VidyoDesktop to Application

      ☐ EID

      ☐ VidyoDesktop version

4. For Custom Client and WS Application(unified client):

Note   If you're not developing a custom client using the VidyoClient Library please skip this section and go to step 4. The following steps are required usage of VidyoClient library.

---

  a. **Client API**: Send `VIDYO_CLIENT_IN_EVENT_SIGN_IN` (LogInAsGuest response params)

  b. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_SIGN_IN`

  c. Check `param.activeEid` field to see if the `EID` is already set up

If the EID is *not* set up (equal NULL):

  a. **Client API**: Send `VIDYO_CLIENT_IN_EVENT_LICENSE`

  b. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_LICENSE`

  c. **Client API**: Wait `for VIDYO_CLIENT_OUT_EVENT_SIGN_IN Returns activeEID` (which should be active at this point-equal 1)

  d. **Client API**: Send VIDYO_CLIENT_REQUEST_GET_EID Returns EID string

  e. **WS GuestAPI:** LinkEndpointToGuest (guestID, EID)

      ☐ LinkEndpointToGuest (OK)

  f. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_LINKED`

  g. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_SIGNED_IN`

      Process complete. Wait a few seconds before joining the conference.

  h. SOAP-Request from Application to VidyoPortal

      ☐ GuestJoinConference(guestID, pin)

Tip: To retrieve EID from you browser please run you client go to
http://127.0.0.1:63457/?retrieve=eid

5. SOAP-Request from Application to VidyoPortal

    a. LinkEndpointToGuest (guestID, EID)

6. SOAP-Response from VidyoPortal to Application

    a. LinkEndpointToGuest (OK)

7. SOAP-Request from Application to VidyoPortal

    a. GuestJoinConference(guestID, pin)

Overview of User APIs

This section describes the User APIs aimed at developing third party endpoints or applications targeted for end users providing functionality like search, join meetings rooms, make direct calls, etc. as defined in this section. Implicit in each request are authorization parameters (login and password) identifying the requester if any API method allows anonymous requests (e.g. allowing guests to join a meeting room), then the requester will be assumed to be Guest if the request does not contain credentials.

VidyoPortal User Service URL:

http://VIDYOPORTAL/services/v1_1/VidyoPortalUserService?wsdl

VidyoReplay Content Management Service URL:

http://VIDYOPORTAL/replay/services/VidyoReplayContentManagementService?wsdl

The following functionality is available under User APIs:

Member Account and Preference

- Get Member account details
- Update Member Account details

Member Speed Dial Settings

- Get Member's Speed Dial list
- Update Member's Speed Dial list

Search Operations

- List Members and status - all or search based on matching prefixes

  If all is specified, the result set will be limited to a fixed maximum item and further queries are required to fetch rest of the items.

- List Rooms and status - all or search based on matching prefixes

Meeting Room and Direct Call

- Member *LogIn* so that the other Members will be able to invite and place direct calls to this Member

- Member *LogOut* so that this member is not available anymore

- Place a Direct Call to other Member

- Join a Meeting Room

- Invite another Member to a Meeting Room

Room Settings and Control

- Generate a meeting room URI. Members and Guest users can follow this Uri link to join the meeting room.

- Delete the meeting room URI

- Lock meeting room for restricting access to a meeting

- Unlock meeting room for allowing access to a meeting

- List participants in a given meeting

- Disconnect participant from a given meeting. Deleting a room automatically disconnects the meeting room participants.

- Mute / Unmute audio for a given participant in a meeting

- Start / Stop Video for a given participant in a meeting

- Create or update PIN for a room

Record Control

- Start Recording

- Stop Recording

- Resume Recording

- Pause Recording

- Get Recording Profiles

Content Management

- Search Recorded File

- Update Recorded File

- Delete Recorded file

Webcasting

- ■ Create Webcast URL

- ■ Remove Webcast URL

- ■ Get Webcast URL

- ■ Remove Webcast Pin

- ■ Get Recording Profiles

Using Search APIs

When using search APIs, follow these guidelines:

- ■ Searches are not case sensitive.

- ■ Hyphens and periods are delimiters that modify the query to only return exact matches for entire strings.

- ■ Underscores are always treated as part of a string.

- ■ All other special characters are treated as delimiters between strings.

- ■ All strings in the query need to have a match for a record to be returned.

User Login Process Overview

Definitions

The following parameters are used as part of the User Login process:

- ■ Username (UN)

   - ☐ Used in HTTP Authentication header for every WS API request. This is provided by the WS API application.

- ■ Password (PW)

   - ☐ Used in HTTP Authentication header for every WS API request. This is provided by the WS API application.

- ■ Portal Access Key (PAK)

   - ☐ PAK is provided as part of login response by VidyoPortal.

- ■ EndpointID (EID)

   - ☐ A unique identifier representing an Endpoint

   - ☐ This is provided by the VidyoDesktop

   - ☐ EntityID

      - ◆ A unique identifier representing an Entity within the VidyoPortal

◆ This is provided as part of login response by VidyoPortal

◆ The EntityID is used follow web services API after login to represent any Entity in the VidyoPortal

The following steps describe the sequence of events in the User Login process:

1. SOAP-Request from Application to VidyoPortal

   logIn (UN, PW)

2. SOAP-Response from VidyoPortal to Application

   logIn (PAK)

3. HTTP-Request from Application to VidyoDesktop on 127.0.0.1:63457 with the following parameters

   ■ Redirect URL (URL): The VidyoDesktop provides response using a HTTP redirect. The application provides this Redirect URL and processes the information to retrieve the response parameters.

   ■ VidyoManager (vm) address

   ■ VidyoPortal (portal) service address

   ■ VidyoProxy (proxy) address

   ■ UN (UN): Username

   ■ PAK (PAK): Portal Access Key

   e.g.
   ```
   http://127.0.0.1:63457/dummy?url=http://dev20.vidyo.com/linken
   dpoint.ajax?vm=PVCVG7NXUC5YER8FCXBC1ZD88NK6PQ7VYR2918XAXRQA600
   VM0001@dev20.vidyo.com:17992;transport=TCP&un=chetan&pak=9YprU
   dCg8gPKpr5H&proxy=64.71.164.195:443&portal=http://main.vidyo.c
   om/services/&loctag=Default_Location
   ```

4. HTTP-Redirect from VidyoDesktop to Application

   ■ EID

   ■ VidyoDesktop version

   Tip: To retrieve EID from you browser please run you client go to
   http://127.0.0.1:63457/?retrieve=eid

5. SOAP-Request from Application to VidyoPortal

   ■ linkEndpoint (UN, PW, EID)

6. SOAP-Response from VidyoPortal to Application

   ■ linkEndpoint (OK)

7. The Entity structure includes EntityID

> **Tip**: For guaranteed successful logged in process please check your endpoint status in
> web browser http://127.0.0.1:63457/?retrieve=epstatus. This will help to safely conclude if
> the endpoint change the status (online/busy/offline).
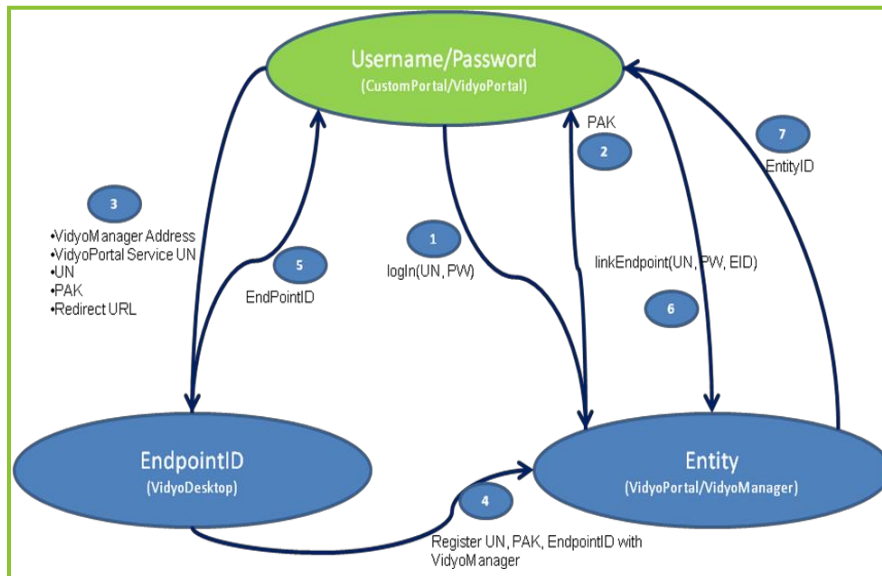
Getting the VidyoDesktop Version

Custom Application can retrieve the VidyoDesktop version and compare it with the VidyoDesktop
which resides at VidyoPortal appliance in order to make a decision if VidyoDesktop Upgrade
requires.

VidyoPortal version information is included into the HTTP redirect response from VidyoDesktop to
the Custom Application (step 4 of the Sign in procedure).

For example

HTTP Request:

```
http://127.0.0.1:63457/dummy?url=http://dev20.vidyo.com/linkendpoint.a
jax?vm=PVCVG7NXUC5YER8FCXBC1ZD88NK6PQ7VYR2918XAXRQA600VM0001@dev20.vid
yo.com:17992;transport=TCP&un=chetan&pak=9YprUdCg8gPKpr5H&proxy=64.71.
164.195:443&portal=http://main.vidyo.com/services/&loctag=Default_Loca
tion
```

HTTP Response:

```
GET /ws/user/SetEid.php?id=C80AA912A444-0730383237383939-
D9DCFE4CB33867D5&version=TAG_VD_2_0_3_00218 HTTP/1.1
```

First-Time license Implementation User Login Process

> **Note** If you're not developing a custom client using the VidyoClient Library please skip this section.

The following login steps are required usage of VidyoClient library. These steps should be followed only if you're developing a custom client.

1. **Client API**: Send `VIDYO_CLIENT_IN_EVENT_LOGIN` (`portal addr, username, passw`)

2. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_LOGIN`

3. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_SIGN_IN`.

4. Check `param.activeEid` field to see if the `EID` is already set up

   If the EID is *not* set up:

   a. **Client API**: Send `VIDYO_CLIENT_IN_EVENT_LICENSE`

   b. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_LICENSE`

   c. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_SIGN_IN` Returns `EID` (which should be active at this point.)

5. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_LINKED`

6. **Client API**: Wait for `VIDYO_CLIENT_OUT_EVENT_SIGNED_IN` Process complete. Wait a few seconds before joining the conference.

   Tip: check your endpoint status after login process complete.

7. **Client API**: Send `VIDYO_CLIENT_REQUEST_GET_ENDPOINT_STATUS`

3. Web Services Super API

This chapter describes the Web Services Super API.

The super API provides super admin capabilities to manage and provision tenants within their portals. With the Super API, Super admin can create new tenants, update and delete tenants, as well as get information about their portal service components. The requirements from the user using this API are to have super admin rights.

VidyoPortal Super Service URL:

http://VIDYOPORTAL/services/VidyoPortalSuperService?wsdl

The following methods are described in this document as part of the Super API package.

addClientVersion

Adds the endpoint upload as a content delivery network (CDN) URL and Tag.

Request Parameters

Name	Type	Description	Required
ClientType	String	Specifies the type of client being requested: ■ Type is 'W' for Windows platform (deprecated) ■ Type is 'W32' for Windows 32-bit ■ Type is 'W64' for Windows 64-bit ■ Type is 'M' for Mac OS platform ■ Type is 'S' for Linux 32-bit rpm installer ■ Type is 'T' for Linux 64-bit rpm installer ■ Type is 'U' for Ubuntu Linux 32-bit deb installer ■ Type is 'X' for Ubuntu Linux 64-bit deb installer ■ Type is 'P' for VidyoPanorama 600 running Windows 32-bit ■ Type is 'N' for VidyoPanorama 600 running Windows 64-bit	Yes

Name	Type	Description	Required
		■ Type is 'E' for VidyoPanorama 600 running Linux 32-bit	
		■ Type is 'O' for VidyoPanorama 600 running Linux 64-bit	
		■ Type is 'Q' for VidyoRoom running Windows 32-bit	
		■ Type is 'Y' for VidyoRoom running Windows 64-bit	
		■ Type is 'F' for VidyoRoom running Linux 32-bit	
		■ Type is 'Z' for VidyoRoom running Linux 64-bit	
		■ Type is 'B' for Softroom running Windows 64-bit	
		■ Type is 'C' for Softroom running Windows 64-bit	
		■ Type is 'D' Softroom running Mac OS 64-bit	
		■ Type is 'L' for Linux (deprecated)	
currentTag	EndpointVersion Pattern	Specifies the tag of the endpoint version using a string pattern. Only a-z or A-Z or 0-9 or '.' and '_' are allowed.	Yes
installerURL	string	Specifies the URL where the endpoint can be downloaded from. Currently http and https are allowed as protocols.	Yes
setActive	boolean	Makes the new endpoint upload URL active.	No

Response Parameter

Name	Type	Description	Required
EndpointUploadID	Integer	The endpoint upload ID of the newly created endpoint upload URL	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	Invalid argument
ExternalModeFault	The external mode is not enabled by the Super Admin

ListTenants

Provides the list of all tenants in the system with the following filters. All filters are optional, and if a filter is not provided, the query will use the defaults, which are sorting all the tenants by the tenant names in ascending order.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
tenantName	String	Specifies the tenant name	No
tenantURL	String	Specifies the tenant URL	No
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No

Name	Type	Description	Required
sortBy	String memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the `dir=ASC` value.	No

Response Parameters

Name	Type	Description	Required
listOfTenants:	SingleTenantDataType	Array of Object includes:	
tenantID	Integer	Specifies the tenant ID	Yes
tenantName	String	Specifies the tenant name	Yes
tenantURL	String	Specifies the tenant URL	Yes
extensionPrefix	String	Tenant extension prefix	Yes
dialinNumber	Integer	Tenant dial-in number	Yes
vidyoReplayUrl	String	Tenant's VidyoReplay URL	Yes
description	String	Description of the tenant	Yes
vidyoMobileAllowed	Boolean	Indicates whether access for VidyoMobile ('0' - no/false, '1' - yes/true)	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed

createTenant

Creates a new tenant based on the information provided below. If an optional parameter is not provided, the default will be set during the initial configuration.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
tenantName	String	Name of the tenant	Yes
tenantURL	String	Tenant URL	Yes
extensionPrefix	String	Tenant extension prefix	Yes
dialinNumber	String	Tenant extension prefix	No
vidyoReplayUrl	String	Tenant's VidyoReplay URL	No
Description	String	Description of the tenant	No
numOfInstalls	Integer	Specifies the number of current Installs	Yes
numOSeats	Integer	Specifies the number of current Seats	Yes
numOfLines	Integer	Specifies the number of current Lines	Yes
numOfExecutives	Integer	Specifies the number of current Executives ('0' if using the Port License system)	Yes
numOfPanoramas	Integer	Specifies the number of current Panoramas ('0' if using the Port License system)	Yes

Name	Type	Description	Required
enableGuestLogin	Boolean	Indicates whether guest login is enabled for the tenant (default: TRUE)	No
allowedTenantList	List of Integers	List of all tenants that this tenant can call to (default: none)	No
vidyoManager	Integer	VidyoManager	Yes
vidyoProxyList	List of Integers	Available VidyoProxys	No
allowedVidyoGateway List	List of Integers	List of allowed Gateways to the tenant	No
allowedVidyoReplay RecorderList	List of Integers	List of allowed VidyoReplay recorders to the tenant	No
allowedVidyoReplay List	List of Integers	List of allowed VidyoReplays to tenant	No
allowedLocationTag List	List of Integers	List of allowed location tags	Yes
vidyoMobileAllowed	Boolean	Indicates whether access for VidyoMobile is enabled or disabled (default: Enabled)	No
ipcAllowOutbound	Boolean	Indicates whether IPC Outbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No
ipcAllowInbound	Boolean	Indicates whether IPC Inbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No
adminUser	Member	Provides information for setting up an admin user for the tenant. If this parameter is not provided, a default admin user account will be created.	No
numOfPublicRooms	Nonnegative Integer	Maximum number of public rooms that can be created by a user	No

Name	Type	Description	Required
externalEndpointSoftwareFileserver	String (Enumerated) 'VidyoPortal' or 'External'	Sets the endpoint upload mode to External which will allow CDN URLs to be used	No
tenantWebRTCURL	String	URL of Vidyo Neo for WebRTC Server	No
mobileLoginMode	String (Enumerated) 'Disabled,' 'VidyoMobile,' or 'NeoMobile'	Sets the appropriate mobile access mode at the tenant level. **Note** When mobileLoginMode is enabled, the vidyoMobileAllowed API is ignored.	No

Response Parameter

Name	Type	Description	Required
OK	String	Acknowledgement that the tenant was created successfully	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ExistingTenantFault	The specified Tenant name, extension prefix, VidyoReplay URL, and tenant URL already exist
MissingArgumentFault	Some required request parameters were not specified; return the list of missing Parameter Names

deleteTenant

Requests the deleting of an existing tenant from the system. The default tenant cannot be deleted. This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
tenantID	Integer	Specifies the tenant unique identifier	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Acknowledgement that the tenant was deleted successfully	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
InvalidTenantFault	The specified Tenant ID doesn't exist
NotLicensedFault	API is not licensed

updateTenant

Updates an existing tenant by the tenant ID. Each optional parameter that is provided, aside from the tenant ID, will overwrite the existing parameters.

- Although not required, all parameters that are provided will override the existing values
- If a parameter is not provided, it will be deleted from the tenant
- Parameters specified as Required are parameters that cannot be deleted but only updated

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
tenantID	Integer	Specifies the tenant unique identifier	Yes
tenantName	String	Name of the tenant	Yes
tenantURL	String	Tenant URL	Yes
extensionPrefix	String	Tenant extension prefix	Yes
dialinNumber	String	Tenant extension prefix	No
vidyoReplayUrl	String	Tenant's VidyoReplay URL	No
description	String	Description of the tenant	No
numOfInstalls	Integer	Specifies the number of current Installs	Yes
numOfSeats	Integer	Specifies the number of current Seats	Yes
numOfLines	Integer	Specifies the number of current Lines	Yes
numOfExecutives	Integer	Specifies the number of current Executives ('0' if using the Port License system)	Yes
numOfPanoramas	Integer	Specifies the number of current Panoramas ('0' if using the Port License system)	Yes
enableGuestLogin	Boolean	Indicates whether guest login is enabled for the tenant (default: TRUE)	No
allowedTenantList	List of Integers	List of all tenants that this tenant can call to (default: none)	No
vidyoManager	Integer	VidyoManager	Yes

Name	Type	Description	Required
vidyoProxyList	List of Integers	Available VidyoProxys	No
allowedVidyoGatewayList	List of Integers	List of allowed Gateways to the tenant	No
allowedVidyoReplayRecorderList	List of Integers	List of allowed VidyoReplay recorders to the tenant	No
allowedVidyoReplayList	List of Integers	List of allowed VidyoReplays to tenant	No
allowedLocationTagList	List of Integers	List of allowed location tags	Yes
vidyoMobileAllowed	Boolean	Indicates whether access for VidyoMobile is enabled or disabled (default: Enabled)	No
ipcAllowOutbound	Boolean	Indicates whether IPC Outbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No
ipcAllowInbound	Boolean	Indicates whether IPC Inbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No

Name	Type	Description	Required
adminUser	Member	Provides information for updating the admin user information. ■ If this parameter is not provided, no update should occur. ■ If information of an existing admin user is being provided (based on the 'Name' field), update the additional fields. ■ If information of a non-existing user is provided, no update should occur nor creation of a new admin user. In this case, an exception should be thrown.	
numOfPublicRooms	NonNegative Integer	Maximum number of public rooms that can be created by a user	No
externalEndpointSoftwareFileserver	String (Enumerated) 'VidyoPortal' or 'External'	Sets the endpoint upload mode to External which will allow CDN URLs to be used	No
tenantWebRTCURL	String	URL of Vidyo Neo for WebRTC Server	No

Name	Type	Description	Required
mobileLoginMode	String (Enumerated) 'Disabled,' 'VidyoMobile,' or 'NeoMobile'	Sets the appropriate mobile access mode at the tenant level. **Note** When mobileLoginMode is enabled, the vidyoMobileAllowed API is ignored.	No

Response Parameter

Name	Type	Description	Required
OK	String	Acknowledgement that the tenant was updated successfully	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ExistingTenantFault	The specified Tenant name, extension prefix, VidyoReplay URL, and tenant URL already exist
NotLicensedFault	API is not licensed
InvalidTenantFault	The specified Tenant ID doesn't exist

getTenantDetails

Gets the tenant details based on the tenant ID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
tenantID	Integer	Specifies the tenant unique identifier	Yes

Response Parameters

Name	Type	Description	Required
tenantID	Integer	Specifies the tenant unique identifier	Yes
tenantName	String	Name of the tenant	Yes
tenantURL	String	Tenant URL	Yes
extensionPrefix	String	Tenant extension prefix	Yes
dialinNumber	String	Tenant extension prefix	No
vidyoReplayUrl	String	Tenant's VidyoReplay URL	No
description	String	Description of the tenant	No
numOfInstalls	Integer	Specifies the number of current Installs	Yes
numOfSeats	Integer	Specifies the number of current Seats	Yes
numOfLines	Integer	Specifies the number of current Lines	Yes
numOfExecutives	Integer	Specifies the number of current Executives ('0' if using the Port License system)	Yes
numOfPanoramas	Integer	Specifies the number of current Panoramas ('0' if using the Port License system)	Yes

Name	Type	Description	Required
enableGuestLogin	Boolean	Indicates whether guest login is enabled for the tenant (default: TRUE)	No
allowedTenantList	List of Integers	List of all tenants that this tenant can call to (default: none)	No
vidyoManager	Integer	VidyoManager	Yes
vidyoProxyList	List of Integers	Available VidyoProxys	No
allowedVidyoGatewayList	List of Integers	List of allowed Gateways to the tenant	No
allowedVidyoReplayRecorderList	List of Integers	List of allowed VidyoReplay recorders to the tenant	No
allowedVidyoReplayList	List of Integers	List of allowed VidyoReplays to tenant	No
allowedLocationTagList	List of Integers	List of allowed location tags	Yes
vidyoMobileAllowed	Boolean	Indicates whether access for VidyoMobile is enabled or disabled (default: Enabled)	No
ipcAllowOutbound	Boolean	Indicates whether IPC Outbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No
ipcAllowInbound	Boolean	Indicates whether IPC Inbound is allowed ('0' - no/false, '1' - yes/true) (default: '1')	No
numOfPublicRooms	Nonnegative Integer	Maximum number of public rooms that can be created by a user	No
externalEndpointSoftwareFileserver	String (Enumerated) 'VidyoPortal' or 'External'	Sets the endpoint upload mode to External which will allow CDN URLs to be used	No
tenantWebRTCURL	String	URL of Vidyo Neo for WebRTC Server	No

Name	Type	Description	Required
mobileLoginMode	String (Enumerated) 'Disabled,' 'VidyoMobile,' or 'NeoMobile'	Sets the appropriate mobile access mode at the tenant level. **Note** When mobileLoginMode is enabled, the vidyoMobileAllowed API is ignored.	No

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
InvalidTenantFault	The specified Tenant name, extension prefix, VidyoReplay URL, and tenant URL already exist
NotLicensedFault	API is not licensed

setMobileLoginMode

Sets the appropriate mobile access mode for all tenants.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
mobileLoginMode	MobileLoginMode	Specifies whether mobile access is disabled, or whether VidyoMobile or Vidyo Neo Mobile access is enabled	Yes

Response Parameter

Name	Type	Description	Required
setMobileLogin ModeResponse	OK	Response for updating the mobile mode	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed

GetLicenseData

Provides the license key and value. If a tenant is not specified, the license parameters should be provided for all tenants as a total number.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
tenantID	EntityID	Specified the tenant unique identifier	Yes

Response Parameter

Name	Type	Description	Required
LicenseFeature	LicenseFeatureData	Array of Object includes Name, maxValue, currentValue	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
InvalidTenantFault	The specified Tenant ID doesn't exist
NotLicensedFault	API is not licensed

GetServiceComponentsData

Provides the list of available system components. If the type is not specified, all available components will be provided. If the type is specified, only the list associated with this type will be provided.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
ComponentType	serviceComponentType	Array of Object include : VidyoManager VidyoGateway, VidyoProxy, VidyoRecorder VidyoReplay	Yes

Response Parameter

Name	Type	Description	Required
component	ComponentData	Array of Object includes componentType, identifier, displayName	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

saveDB

Because users are now required to provide a password, this API has been deprecated starting with VidyoPortal version 3.4.1. As an alternative, use backupDB.

backupDB

Backs up the database to a file. Optionally, thumbnail photos may be backed up. Backing up thumbnail photos will increase the size of the archive. Additionally, if photos are being synced from LDAP, backing up any thumbnail photos may not be necessary.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
password	String	Password with which to encrypt the backup file. In the future, the same password will be required to decrypt the file.	Yes
includeThumbNail	Boolean	Indicates whether or not to backup the Thumbnail photos	No

Response Parameter

Name	Type	Description	Required
databaseBackup	String	Contains a URL where the backup can be downloaded and timestamp that indicates when the backup took place	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

listDB

Obtains a list of database backups, which returns a list of "DatabaseBackup" objects.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameter

Name	Type	Description	Required
databaseBackup	String	Contains a URL where the backup can be downloaded and timestamp that indicates when the backup took place	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred

deleteDB

Deletes the database backup file from the disk.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
databaseName	String	Unique name of the database backup file	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Acknowledgement that the database was deleted successfully	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred

ListNetworkComponents

Provides available portal components and their status (connected /disconnected), as well as more detailed information as specified below.

- If no filter is being provided, all components will be provided back as part of the response with the respective component information.

- If one or more filters are specified, the response will be based on the provided filters.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
componentName	String	Component name	No
componentType	SystemComponentType	VidyoRouter, VidyoProxy, VidyoManager, VidyoReplay, VidyoGateway	No
Status	ComponentStatus	UP; DOWN; DISABLED; NEW	No

Response Parameter

Name	Type	Description	Required
networkComponent	SingleComponentDataType	Array of Object includes componentType, identifier, displayName, componentType, ipAddress, runningVersion, version, alarm, swVer	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed

getIpcAccessControl

Provides the level of access that the user has to view and modify allowed IPC domains.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameter

Name	Type	Description	Required
IpcAccessControl	String	Array of Objects includes IpcAccessControlLevel object, accessMode object, routerID	Yes

Fault

Name	Description
GeneralFault	An unspecified error occurred

getIpcDomainList

Provides a list of all allowed or blocked IPC domains that are stored in the database.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameter

Name	Type	Description	Required
ipcDomainList	String	List of all the IPC domains that are allowed or blocked from access on the portal	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
IncorrectIpcAccessLevelFault	Generated when the user doesn't have access to change IPC domain access

setIpcAccessControl

Defines the IPC control access (Allow / Block) for Tenant and System levels.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
ipcAccessControl	IpcAccessControl	Array of Objects includes IpcAccessControlLevel object, accessMode object, routerID	

Response Parameter

Name	Type	Description	Required
OK	String	Acknowledgement that the control access was set successfully	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
MissingArgumentFault	Some required request parameters were not specified / level is set to System but accessMode is not provided
InvalidArgumentFault	The arguments that were passed into services were wrong

setIpcDomains

Adds and /or removes the list of allowed IPC domains. The user can add and remove IPC domains at the same time.

- If the same domain exists in both the add and remove lists, the domain will not be added and will return in both notRemovedIpcDomainList and notAddedIpcDomainList lists.

- If an existing domain is requested to be added, it will show in the notAddedIpcDomainList list of domains.

- If a non-existing domain is requested to be removed, it will show in the notRemovedIpcDomainList list of domains.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
addIpcDomainList	String	A list of IPC domains to be added to the portal	No
removeIpcDomainList	String	A list of IPC domains to be removed from the portal	No

Response Parameters

Name	Type	Description	Required
OK	String	Acknowledgement that the control access was set successfully	Yes
notAddedIpcDomainList	String	Specifies the list of domains that were not added	No

Name	Type	Description	Required
notRemovedIpcDomainList	String	Specifies the list of domains that were not removed	No

Fault

Name	Description
GeneralFault	An unspecified error occurred

getRouterPoolList

Retrieves the pool of routers.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameter

Name	Type	Description	Required
routerPoolsList	RouterPool	List of objects containing router information of routerID and routerName	Yes

Fault

Name	Description
GeneralFault	An unspecified error occurred

getLocationTags

Provides the location tags available on the portal.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameter

Name	Type	Description	Required
locationTagsList	LocationTag	List of objects containing router locationTagID and locationTagName	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong

setLoginAndWelcomeBanner

Sets the login and welcome banner parameters on the VidyoPortal tenants and enables/disables the feature altogether.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
showLoginBanner	Boolean	Indicates if the login banner option is enabled/disabled on the VidyoPortal	Yes
showWelcomeBanner	Boolean	Indicates if the welcome banner option is enabled/disabled on the VidyoPortal	Yes

Name	Type	Description	Required
loginBannerText	String	Welcome text that appears after the client logs in. Character limit is 4000. If nothing is provided, no update will be made to the information on the tenant/portal.	No
welcomeBannerText	String	Welcome screen title text (example: Welcome to VidyoConferencing.). Character limit is 4000. If nothing is provided, no update will be made to the information on the tenant/portal.	No

Response Parameters

Name	Type	Description
showLoginBanner	Boolean	Provides the newly set state for this option
showWelcomeBanner	Boolean	Provides the newly set state for this option
loginBannerText	String	Provides the login banner text
welcomeBannerText	String	Provides the welcome banner title text

Fault

Name	Description
BannerTextFault	Specifies that the content provided overrides the character limit. Text: "The text that you have provided exceeds the 4000 character limit"

SetChatStateSuper

Sets whether the chat is available on the VidyoPortal and sets the default values for private/public chat on the newly created tenants. Once made unavailable, tenant admins will not be able to enable chat on the VidyoPortal, and Vidyo clients joining conferences on this VidyoPortal will not be able to engage in chat conversations.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
chatState	ChatState	An object that specifies whether the chat feature is enabled (True) or disabled (False) on the newly created tenants. (Please see below for the object definition.)	Yes

Response Parameter

Name	Type	Description
Ok	String	Acknowledges that the operation was made successfully

Fault

Name	Description
GeneralFault	An unspecified error occurred

ChatState is an object that specifies whether the chat feature is enabled (True) or disabled (False) on the newly created tenants:

Name	Type	Description
chatAvailability	Boolean	Indicates whether chat is available (True) or unavailable (False) on the VidyoPortal. Chat is available by default.
privateChatState	Boolean	Indicates whether public chat is enabled (True) or disabled (False) on the newly created tenants by default. If chatAvailability is set to unavailable (False), this parameter is disabled (False) by default. Private chat is available by default.

Name	Type	Description
publicChatState	Boolean	Indicates whether public chat is enabled (True) or disabled (False) on the newly created tenants by default. If chatAvailability is set to unavailable (False), this parameter is disabled (False) by default. Public chat is available by default.

getChatStateSuper

Gets the configured value for chat availability on the VidyoPortal, as well as the default values for private and public chat for newly created tenants.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
chatState	ChatState	An object that specifies whether chat feature is enabled (True) or disabled (False) on the newly created tenants. (Please see above for the object definition.)

Fault

Name	Description
GeneralFault	An unspecified error occurred

4. Web Services Admin API

This chapter describes the Web Services Admin API.

VidyoPortal Admin Service URL:

http://VIDYOPORTAL/services/v1_1/VidyoPortalAdminService?wsdl

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Note   Super Admins can also access Admin Web Services.

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addClientVersion

Adds the endpoint upload as a CDN URL and Tag.

Request Parameters

Name	Type	Description	Required
ClientType	String	Specifies the type of client being requested:	Yes
		■ Type 'W' is for Windows platform (deprecated)	
		■ Type 'W32' is for Windows 32-bit	
		■ Type 'W64' is for Windows 64-bit	
		■ Type 'M' is for Mac OS platform	
		■ Type 'S' is for Linux 32-bit rpm installer	
		■ Type 'T' is for Linux 64-bit rpm installer	
		■ Type 'U' is for Ubuntu Linux 32-bit deb installer	
		■ Type 'X' is for Ubuntu Linux 64-bit deb installer	
		■ Type 'P' is for VidyoPanorama 600 running Windows 32-bit	
		■ Type 'N' is for VidyoPanorama 600 running Windows 64-bit	
		■ Type 'E' is for VidyoPanorama 600 running Linux 32-bit	

Name	Type	Description	Required
		■ Type 'O' is for VidyoPanorama 600 running Linux 64-bit ■ Type 'Q' is for VidyoRoom running Windows 32-bit ■ Type 'Y' is for VidyoRoom running Windows 64-bit ■ Type 'F' is for VidyoRoom running Linux 32-bit ■ Type 'Z' is for VidyoRoom running Linux 64-bit ■ Type 'B' is for Softroom running Windows 64-bit ■ Type 'C' is for Softroom running Windows 64-bit ■ Type 'D' is Softroom running Mac OS 64-bit ■ Type 'L' is for Linux (deprecated)	
currentTag	EndpointVersion Pattern	Specifies the tag of the endpoint version using a string pattern. Only a-z or A-Z or 0-9 or '.' and '_' are allowed.	Yes
installerURL	string	Specifies the URL where the endpoint can be downloaded from. Currently http and https are allowed as protocols.	Yes
setActive	boolean	Makes the new endpoint upload URL active.	No

Response Parameter

Name	Type	Description	Required
EndpointUploadID	Integer	The endpoint upload ID of the newly created endpoint upload URL	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	Invalid argument
ExternalModeFault	The external mode is not enabled by the Super Admin

getEndpointBehavior

Retrieves the endpoint behavior at the tenant level.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
endpointBehaviorkey	String	The mapping of the endpoint behavior.	Yes

Response Parameter

Name	Type	Description
EndpointBehavior	Endpoint BehaviorType	Contains the parameters for all endpoint behavior configurations. These parameters may include the following: ■ welcomePage (integer) ■ beautyScreen (integer) ■ loginModule (integer) ■ publicChat (integer) ■ leftPanel (integer) ■ inCallSearch (integer) ■ inviteParticipants (integer) ■ contentSharing (integer)

Name	Type	Description
		■ shareDialogOnJoin (integer)
		■ displayLabels (integer)
		■ remoteContentAccess (integer)
		■ cameraMuteControl (integer)
		■ muteCameraOnEntry (integer)
		■ audioMuteControl (integer)
		■ muteAudioOnEntry (integer)
		■ deviceSettings (integer)
		■ pinnedParticipant (integer)
		■ recordConference (integer)
		■ exitOnUserHangup (jnteger)
		■ automaticallyUpdate (integer)
		■ lockUserName (integer)
		■ enableAutoAnswer (integer)
		■ participantNotification (integer)
		■ fullScreenVideo (integer)
		Optional Parameters
		■ windowSizeHeight (integer)
		■ windowSizeWidth (integer)
		■ windowPositionTop (integer)
		■ windowPositionBottom (integer)
		■ windowPositionLeft (integer)
		■ windowPositionRight (integer)
		■ recordingRole (string)
		■ preIframeUrl (string)
		■ preIframeSize (integer)
		■ topIframeUrl (string)
		■ topIframeSize (integer)

Name	Type	Description
		■ leftIframeUrl (string)
		■ leftIframeSize (integer)
		■ rightIframeUrl (string)
		■ rightIframeSize (integer)
		■ bottomIframeUrl (string)
		■ bottomIframeSize (integer)
		■ postIframeUrl (string)
		■ postIframeSize (integer)
		■ endpointBehaviorKey (string)

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NoEndpointBehaviorExistsFault	The endpoint behavior does not exist for the tenant
GeneralFault	An unspecified error occurred
EndpointBehaviorDisabledFault	The endpoint behavior has been disabled for the tenant

createEndpointBehavior

Adds new endpoint behavior at the tenant level.

This method can use the following parameters:

Request Parameters

Name	Type	Description
EndpointBehavior	Endpoint BehaviorType	Contains the parameters for all endpoint behavior configurations. These parameters may include the following: ■ welcomePage (integer) ■ beautyScreen (integer) ■ loginModule (integer) ■ publicChat (integer) ■ leftPanel (integer) ■ inCallSearch (integer) ■ inviteParticipants (integer) ■ contentSharing (integer) ■ shareDialogOnJoin (integer) ■ displayLabels (integer) ■ remoteContentAccess (integer) ■ cameraMuteControl (integer) ■ muteCameraOnEntry (integer) ■ audioMuteControl (integer) ■ muteAudioOnEntry (integer) ■ deviceSettings (integer) ■ pinnedParticipant (integer) ■ recordConference (integer) ■ exitOnUserHangup (jnteger)

Name	Type	Description
		■ automaticallyUpdate (integer)
		■ lockUserName (integer)
		■ enableAutoAnswer (integer)
		■ participantNotification (integer)
		■ fullScreenVideo (integer)
		<u>Optional Parameters</u>
		■ windowSizeHeight (integer)
		■ windowSizeWidth (integer)
		■ windowPositionTop (integer)
		■ windowPositionBottom (integer)
		■ windowPositionLeft (integer)
		■ windowPositionRight (integer)
		■ recordingRole (string)
		■ preIframeUrl (string)
		■ preIframeSize (integer)
		■ topIframeUrl (string)
		■ topIframeSize (integer)
		■ leftIframeUrl (string)
		■ leftIframeSize (integer)
		■ rightIframeUrl (string)
		■ rightIframeSize (integer)
		■ bottomIframeUrl (string)
		■ bottomIframeSize (integer)
		■ postIframeUrl (string)
		■ postIframeSize (integer)
		■ endpointBehaviorKey (string)

Response Parameters

Name	Type	Description	Required
endpointBehaviorkey	String	The mapping of the endpoint behavior.	No

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NoEndpointBehaviorExistsFault	The endpoint behavior does not exist for the tenant
GeneralFault	An unspecified error occurred
EndpointBehaviorDisabledFault	The endpoint behavior has been disabled for the tenant

updateEndpointBehavior

Updates the endpoint behavior at the tenant level.

This method can use the following parameters:

Request Parameters

Name	Type	Description
EndpointBehavior	Endpoint BehaviorType	Contains the parameters for all endpoint behavior configurations. These parameters may include the following: ■ welcomePage (integer) ■ beautyScreen (integer) ■ loginModule (integer) ■ publicChat (integer) ■ leftPanel (integer) ■ inCallSearch (integer) ■ inviteParticipants (integer)

Name	Type	Description
		■ contentSharing (integer)
		■ shareDialogOnJoin (integer)
		■ displayLabels (integer)
		■ remoteContentAccess (integer)
		■ cameraMuteControl (integer)
		■ muteCameraOnEntry (integer)
		■ audioMuteControl (integer)
		■ muteAudioOnEntry (integer)
		■ deviceSettings (integer)
		■ pinnedParticipant (integer)
		■ recordConference (integer)
		■ exitOnUserHangup (jnteger)
		■ automaticallyUpdate (integer)
		■ lockUserName (integer)
		■ enableAutoAnswer (integer)
		■ participantNotification (integer)
		■ fullScreenVideo (integer)
		Optional Parameters
		■ windowSizeHeight (integer)
		■ windowSizeWidth (integer)
		■ windowPositionTop (integer)
		■ windowPositionBottom (integer)
		■ windowPositionLeft (integer)
		■ windowPositionRight (integer)
		■ recordingRole (string)
		■ preIframeUrl (string)
		■ preIframeSize (integer)
		■ topIframeUrl (string)

Name	Type	Description
		■ topIframeSize (integer)
		■ leftIframeUrl (string)
		■ leftIframeSize (integer)
		■ rightIframeUrl (string)
		■ rightIframeSize (integer)
		■ bottomIframeUrl (string)
		■ bottomIframeSize (integer)
		■ postIframeUrl (string)
		■ postIframeSize (integer)
		■ endpointBehaviorKey (string)

Response Parameters

Name	Type	Description
Ok	String	Acknowledges that the operation was made successfully

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NoEndpointBehaviorExistsFault	The endpoint behavior does not exist for the tenant
GeneralFault	An unspecified error occurred
EndpointBehaviorDisabledFault	The endpoint behavior has been disabled for the tenant

deleteEndpointBehavior

Deletes the endpoint behavior at the tenant level.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
endpointBehaviorkey	String	The mapping of the endpoint behavior.	No

Response Parameters

Name	Type	Description
Ok	String	Acknowledges that the operation was made successfully

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NoEndpointBehaviorExistsFault	The endpoint behavior does not exist for the tenant
GeneralFault	An unspecified error occurred
EndpointBehaviorDisabledFault	The endpoint behavior has been disabled for the tenant

searchMembers

Optimizes searches for members.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
start	integer	Starting row number to return	No
limit	integer	Maximum number of results to return	No
sortBy	string	Field to sort by	No
sortDir	sortDir	Sort ascending ("ASC") or descending ("DESC")	No
MemberFilter	MemberFilter	A MemberFilter object containing: ■ memberName (string) ■ roomExtension (string) ■ RoleName ■ groupName (string) ■ status (string)	No

Response Parameters

Name	Type	Description	Required
start	integer	Starting row number returned	Yes
limit	integer	Maximum number of results returned	Yes
sortBy	string	Field sorted by	Yes
MemberFilter	MemberFilter	A MemberFilter object containing: ■ memberName (string) ■ roomExtension (string) ■ RoleName ■ groupName (string) ■ status (string)	Yes

Name	Type	Description	Required
total	total	The total number of possble results	Yes
Member	Member	The list of Member objects containing:	No

- memberID (EntityID)
- name (string)
- password (string)
- displayName (string)
- extension (string)
- Language
- RoleName
- groupName (string)
- proxyName (string)
- emailAddress (string)
- created (string)
- description (string)
- allowCallDirect (boolean)
- allowPersonalMeeting (boolean)
- locationTag (string)
- creationTime (dateTime)
- modificationTime (dateTime)

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

GetMembers

Retrieves VidyoPortal members that meet the criteria specified in a filter (optional).

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	String: memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No

Name	Type	Description	Required
query	String: name Display name extension	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results.	No

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of registered members	Yes
member	member	Member properties including name, display name, extension, email and others	No

GetMember

Retrieves the details of a single VidyoPortal member.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
memberID	EntityID	The filter type is used to trim down (filter) the search results	Yes

Response Parameter

Name	Type	Description	Required
member	Member	Member properties including name, display name, extension, email, and others	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	Use not allowed due to lack of license
GeneralFault	An unspecified error occurred
MemberNotFoundException	Member not found

AddMember

Adds a VidyoPortal member.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
memberID	Member	Member details	Yes
returnObjectInResponse	String	Sends a request to retrieve the object that has been created	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
MemberAlreadyExistsException	Member already exists

UpdateMember

Updates the details of a VidyoPortal member.

Note The UserName parameter can't be changed using this method. In order to modify the user name, a new user should be created and all parameters copied.

All other member parameters can be modified using the UpdateMember method.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
memberID	EntityID	Unique member identifier	Yes
member	Member	New member's properties	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
MemberNotFoundException	Member not found

DeleteMember

Deletes the details of a VidyoPortal member.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
memberID	EntityID	Unique member identifier	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
MemberNotFoundException	Member not found

GetRooms

Retrieves rooms that meet optional search criteria.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes

Name	Type	Description	Required
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	String: memberID name displayName extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy= extension/name/displayName or memeberID value	No
dir	String: ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String: name displayName extension	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results	No

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of rooms	Yes
room	Room	Room description including room name, room owner and other properties	No

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

GetRoom

Retrieves a room's details.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameter

Name	Type	Description	Required
room	room	Room description	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
RoomNotFoundException	Room not found

GetRoomProfile

Requests to get a profile for a room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameter

Name	Type	Description	Required
roomProfile	RoomProfile	Specifies the room profile	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

SetRoomProfile

Requests to set a profile for a room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes
roomProfileName	String	Specifies the auto mute configuration selection profiles. The new profiles are: ■ 'VideoOnly' - will locally auto mute audio only ■ 'AudioOnly' - will locally auto mute video only ■ 'NoAudioAndVideo' - will auto mute both audio and video	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Specify that the configuration has been setup successfully	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

RemoveRoomProfile

Requests to remove a profile from a specified room ID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Specify that the configuration has been setup successfully	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

GetRoomProfiles

Requests to get a profile for rooms.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of profiles that are available	Yes

Name	Type	Description	Required
roomProfile	RoomProfile	Specifies the room profile	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

AddRoom

Adds a room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
room	Room	Room description including room name, room owner and other properties	Yes
returnObjectInResponse	String	Sends a request to retrieve the object that has been created	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred
RoomAlreadyExistsException	Room already exists

UpdateRoom

Updates the details of a VidyoPortal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is the ID of addressing room object in the VidyoPortal	Yes
room	Room	Room description including room name, room owner, and other properties	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
RoomNotFoundException	Room not found
RoomAlreadyExistsException	Room already exists

DeleteRoom

Removes a VidyoPortal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is the ID of addressing room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
RoomNotFoundException	Room not found
RoomAlreadyExistsException	Room already exists

enableRoom

Enables or disables the use of private or public rooms on the VidyoPortal.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	The unique room identifier	Yes

Name	Type	Description	Required
Enabled	Boolean	Specifies whether the room will be enabled (True) or disabled (False)	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the operation was made successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
RoomNotFoundFault	Room not found

RoomIsEnabled

Retrieves the enabled or disabled status of the private or personal room on the VidyoPortal.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	The unique room identifier	Yes

Response Parameter

Name	Type	Description
Enabled	Boolean	Provides the status of the room as enabled (True) or disabled (False)

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
RoomNotFoundFault	Room not found

enableScheduledRoom

Enables or disables a Scheduled room in the VidyoPortal.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
extension	String	The unique room identifier	Yes
pin	String	The room's randomly generated PIN. If the room was created with a PIN, this field is mandatory.	Optional
enabled	Boolean	Specifies whether the room will be enabled (True) or disabled (False)	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the operation was made successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

Name	Description
RoomNotFoundFault	Room not found

ScheduledRoomIsEnabled

Retrieves the enabled or disabled status of the Scheduled room on the VidyoPortal.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
extension	String	The room extension on the VidyoPortal	Yes
pin	String	The room's randomly generated PIN. If the room was created with a PIN, this field is mandatory.	Optional

Response Parameter

Name	Type	Description
enabled	Boolean	Provides the status of the room as enabled (True) or disabled (False)

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
RoomNotFoundFault	Room not found

GetGroups

Retrieves VidyoPortal groups that meet optional search criteria.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.\<nnnn\>		The filter type is used to trim down (filter) the search results. The value \<nnnn\> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	String memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used insteac of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No

Name	Type	Description	Required
dir	String: ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String Extension displayName name	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results	No

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of Groups	Yes
group	Group	Group Description on the VidyoPortal including group name, max number of members, and other properties	No

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

GetGroup

Retrieves the details of a VidyoPortal group.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
groupID	EntityID	This is an ID for addressing Group object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
group	Group	Group Description on the VidyoPortal including group name, max number of members, and other properties	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

AddGroup

Adds a VidyoPortal group.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
group	Group	Group Description on the VidyoPortal including group name, max number of members, and other properties	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
GroupAlreadyExists Exception	Group already exists

UpdateGroup

Updates a VidyoPortal group.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
groupID	EntityID	This is an ID for addressing Group object in the VidyoPortal	Yes
group	Group	Group Description on the VidyoPortal including groupID, name, roomMaxUsers, userMaxBandWidthIn, userMaxBandWidthOut, description, allowRecording	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred
GroupNotFoundException	Group not found

DeleteGroup

Deletes a VidyoPortal group.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
groupID	EntityID	This is an ID for addressing Group object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
GroupNotFoundException	Group not found

GetParticipants

Lists the participants in a VidyoPortal member's personal room. The entityID must be set to the VidyoPortal member's entityID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conference	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes

Response Parameters

Name	Type	Description	Required
Total	Integer	Total number of registered members	Yes
Entity	EntityID	This object is returned as a result of search for member, public room, or legacy device	No

inviteToConference

Invites a VidyoPortal member to join a room. This request can be issued only by a VidyoPortal member who can control the room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
entityID	EntityID	This is an ID for addressing a Member object in VidyoPortal	Yes
invite	String	This field could be used for dialing string to a legacy device or making a VidyoVoice call	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments wete passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

LeaveConference

Removes a participant (endpoint) from a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

MuteAudio

Mutes the audio for a given participant (endpoint) in the conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

UnmuteAudio

Unmutes the audio for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes

Name	Type	Description	Required
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

StartVideo

Starts the video for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

StopVideo

Stops the video for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

CreateRoomURL

Creates an URL for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

RemoveRoomURL

Deletes an URL for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

CreateRoomPIN

Creates a PIN for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
pin	String	Room pin	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

RemoveRoomPIN

Removes a PIN for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

GetLicenseData

Retrieves the VidyoPortal's license data.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameters

Name	Type	Description	Required
Name	String	Feature names Ports, Seats, and Installs	Yes
MaxValue	String	Maximum number of Ports, Seats, and Installs that are licensed	Yes
CurrentValue	String	Used number of the Ports, Seats, and Installs	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

inviteToConference

Invites a VidyoPortal member to join a room. This request can be issued only by a VidyoPortal member who can control the room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
entityID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes
invite	String	This field could be used for dialing string to a LegacyDevice or making a VidyoVoice call	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to bre renewed

createModeratorPIN

Creates a Moderator PIN for a room or a member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Name	Type	Description	Required
PIN	String	Specifies the Moderator PIN - used for creating and updating an existing PIN	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
InvalidModeratorPINFormatFault	The format of the Moderator PIN is not valid - either not right amount of digits, or invalid characters (PIN should be a 3-10 digit number)
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

removeModeratorPIN

Creates a Moderator PIN for a room or a member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
PIN	String	Specifies the Moderator PIN - used for creating and updating an existing PIN	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

GetPortalVersion

Gets the portal version.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
portalVersion	String	Portal version	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

GetLocationTags

Gets the available Location Tags.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	String: memberID name displayName extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the	No

Name	Type	Description	Required
		sortBy=extension/displayName/name or memberID value.	
dir	String: ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String: Extension Name Display Name	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results	No

Response Parameters

Response containing available Location Tags.

Name	Type	Description	Required
total	Integer	Total number of entities	Yes
location	Location	Location tag name	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

ScheduledRoomEnabled

Checks whether the Scheduled Rooms feature is enabled on the tenant level.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
scheduledRoomEnabled	Boolean	Indicates whether the Scheduled Room feature has been disabled on the tenant

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed

disableScheduledRoom

Disables the Scheduled Room feature on the tenant per the tenant URL.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
disableScheduledRoom	Boolean	Set the Scheduled Room feature on the tenant: '1' | True (disable) '0' | False (enable)	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledgement that the Scheduled Room feature has been disabled on the tenant

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed

cancelOutboundCall

Enables the moderator to cancel an outgoing user invite request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Specifies the conference ID that the moderator is logged in to	Yes
entityID	EntityID	Indicates that the user that has been invited. User cannot invite an entity that is of type Legacy	Yes

Response Parameter

Name	Type	Description
Ok	String	Indicates that the cancelation has been successful

Faults

Name	Description
InvalidArgumentFault	Invalid Argument Fault or in case that the conferenceID or entityID doesn't exist
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed

SetChatStateAdmin

Sets whether the private and/or public chat options should be enabled or disabled on the tenant. Once disabled, Vidyo clients joining conferences on this VidyoPortal will not be able to engage in a chat conversation.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
setPrivateChatState	Boolean	Indicates whether the private chat is enabled (True) or disabled (False) on the tenant. Private chat is enabled by default.	No
setPublicChatState	Boolean	Indicates whether the public chat is enabled (True) or disabled (False) on the tenant. Public chat is enabled by default.	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the operation was made successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
ChatNotAvailableInSuperFault	Chat was set to "Unavailable" by the Super Admin and therefore the chat states cannot be updated

startLectureMode

Starts Presenter mode (a.k.a., Lecture mode) on the VidyoPortal and on the endpoints. All endpoints will go into Presenter mode.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

stopLectureMode

Stops Presenter mode (a.k.a., Lecture mode) on the VidyoPortal and on the endpoints. All endpoints will exit Presenter mode.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

GetLectureModeParticipants

Requests to list the participants in a meeting as identified by EntityId (which is similar to GetParticipants but supports Presenter mode instead). To list the participants in a personal room belonging to a Member, the EntityID must be set to the Member.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	No

Response Parameters

Name	Type	Description
total	Integer	Number of participants
recorderID	Integer	Recorder ID of the recorder active in the conference
recorderName	String	Recorder name
paused	Boolean	Recording status
webcast	Boolean	Is webcast enabled for the conference
lectureMode	Boolean	Is Lecture Mode on for this conference
LectureMode Participant	LectureMode Participant	Object of the participants list

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

LectureModeParticipant is an object with the following parameters:

Name	Type	Description
entityID	EntityID	Entity ID

Name	Type	Description
participantID	EntityID	Entity ID
EntityType	EntityType	EntityType object. There are three types of entities in VidyoPortal: Member, Room, and Legacy
displayName	String	Display name
extension	String	Extension
audio	Boolean	Indicates whether the audio is muted
video	Boolean	Indicates whether the video is muted
appshare	Boolean	Indicates whether there is a content share
handRaised	Boolean	Indicates whether a hand is raised
presenter	Boolean	Indicates whether the participant is presenting

DismissRaisedHand

Signals the dismissal of a hand from the moderator to the endpoint that had previously raised a hand.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
participantID	EntityID	Participant ID of the participant who had raised hand that the moderator wishes to dismiss	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

DismissAllRaisedHand

Dismisses all raised hands from the moderator.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

SetPresenter

Assigns a presenter to the conference during Presenter mode (a.k.a., Lecture mode).

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
participantID	EntityID	Participant ID of the participant who had raised hand that the moderator wishes to dismiss	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

RemovePresenter

Removes a presenter from the conference during Presenter mode (a.k.a., Lecture mode).

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
participantID	EntityID	Participant ID of the participant who had raised hand that the moderator wishes to dismiss	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

SetTenantRoomAttributes

Sets the room attributes listed below and decides on the desired behavior for Presenter mode and Waiting Room for all the rooms on that tenant. These settings cannot be overridden by normal users.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
setWaitingRoomState	Integer	Indicates whether Waiting Room is: ■ Disabled on the meetings in the tenant (0) ■ Enabled and when the owner joins, the conference will begin (1) ■ Enabled and a presenter should be assigned to the meeting (2) The request parameter is optional, and no change will take place if a value is not provided.	No

Name	Type	Description	Required
supportedClientsOnly	Boolean	Specifies whether endpoints that do not support Presenter and Waiting Room modes cannot join the meeting (True) or are allowed in (False). The request parameter is optional, and no change will take place if a value is not provided.	No

Response Parameter

Name	Type	Description
Ok	String	Acknowledges that the operation was made successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

createPublicRoom

Allows an admin to create a public room for a particular user by specifying the Display Name. Auto-generates the Room Name and Extension, and enforces limitations on the number of public rooms that a User, Tenant, and Portal can create.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
displayName	string	Display name of the public room	Yes
ownerName	string	Owner name of the public room	Yes

Name	Type	Description	Required
setInMyContacts	boolean	Specifies whether to add the public room to contact list	No
setLocked	boolean	Indicates whether the public room is locked	No
setPIN	string	Indicates whether the public room is pinned	No
description	string	Description of the public room	No

Response Parameters

Name	Type	Description	Required
roomID	EntityID	EntityID of the newly created public room	Yes
extension	string	Extension of the public room.	Yes
roomURL	anyURI	URL for the public room.	Yes
inMyContacts	boolean	Indicates whether public room is in contact list	No
locked	boolean	Indicates whether public room is locked	No
hasPIN	boolean	Indicates whether public room has a PIN	No

Faults

Name	Description
NotLicensedFault	API is not licensed
NotAllowedToCreateFault	Not authorized to create public room
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
PublicRoomCreationFault	Failed to create a public room

createScheduledRoom

Creates an ad-hoc conference room. Allows for specifying between 1 and 400 unused days after which the room will be garbage collected in the system. When specifying 0, the VidyoPortal currently auto-selects 100 days by default. As part of the response, the user receives a unique room link or extension and PIN to access this room.

Note   The maximum number of scheduled rooms per user is 65K. Therefore, careful planning of room owner assignments is recommended.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
ownerName	String	The room owner user name	Yes
recurring	Integer	Unused days after which the room will be garbage collected	Optional
setPIN	Boolean	The room will be generated with a PIN	Optional
moderatorPIN	String	Specifies the Moderator PIN for the newly created room	Optional

Response Parameters

Name	Type	Description
extension	String	The room's unique ID
pin	String	The room's randomly generated PIN
inviteContent	String	Content of the invite text (will include the room URL, PIN, and extension)
roomURL	String	The room's URL
inviteSubject	String	The email invitation subject

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
InvalidModeratorPINFormat Fault	Invalid Moderator PIN Fault
ScheduledRoomCreationFault	Scheduled Room Creation Fault

TransferParticipantRequest

Transfers a participant (identified by participantID) from their current conference to another conference (identified by conferenceID) with an optional PIN (roomPIN). If the destination conference is PIN-protected, the correct PIN must be provided.

Note   This API only supports participants that are legacy endpoints connected via the VidyoGateway.

Request Parameters

Name	Type	Description	Required
participantID	EntityID	The participant to be transferred	Yes
conferenceID	EntityID	The destination conference	Yes
roomPIN	String	The PIN for the destination conference	No*

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	■ "Invalid ParticipantID" (when <= 0)
	■ "Invalid ConferenceID" (when <= 0)
	■ "ParticipantID is not a valid virtual endpoint"
	■ "Participant cannot be transferred to conference they are already in."
	■ "ParticipantID for <participantID> belongs to other tenant"
	■ "Invalid ConferenceID and/or PIN"
	Applies the following cases: □ DB error looking up conference □ Conference does not exist □ Conference belongs to other tenant □ Personal or public room has a PIN but not provided or does not match
	Scheduled room validation errors for the following cases: □ PIN not provided but is required □ Ext/PIN validation fails via scheduled room API
	■ "Room is disabled." ■ "Room is locked." ■ "Room is full."
GeneralFaultException	VidyoPortal is unable to communicate with the VidyoGateway
NotLicensedException	VidyoPortal is not licensed for Admin APIs

setLayout

Sets the display layout to Gallery View, Active Speaker, or Continuous Presence.

> **Note** This API only supports participants that are legacy endpoints connected via the VidyoGateway.

Request Parameters

Name	Type	Description	Required
participantID	EntityID	Obtained from getParticipants	Yes
layout	String	Not validated by the VidyoPortal. Valid choices include: ■ Gallery View ■ Active Speaker ■ Continuous Presence	No
maxParticipants	Integer	Not validated by the VidyoPortal. Valid choices include integers from 1 through 8.	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	Invalid ParticipantId or ParticipantID is not a virtual endpoint
GeneralFault	Unable to communicate with endpoint

5. Web Services Guest API

This chapter describes the Web Services Guest API.

VidyoPortal Guest Service URL:

http://VIDYOPORTAL/services/VidyoPortalGuestService?wsdl

LogInAsGuest

Login request to the VidyoPortal for guest users. Guest is identified in the `guestName` parameter. Http authentication header is not needed for this request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestName	String	Name of the guest	Yes
roomKey	String	Unique Room identifier. WSAdminAPI::GetRoom/s request or WSUserAPI::Search will provide you the room RoomUrl. The room Url has the roomkey. You should parse this key. (room URL example http://dev20.vidyo.com/flex.html?roomdirect.html&key=t9EPujHlpYAR)	Yes
returnEndpoint Behavior	Boolean	Flag to return the endpoint behavior if configured	No

Response Parameters

Name	Type	Description	Required
guestID	String	Guest Id	Yes
isLocked	Boolean	true or false	No
hasPin	Boolean	true or false	No

Name	Type	Description	Required
vmaddress	String	VidyoManager address	No
proxyaddress	String	VidyoProxy address	No
loctag	String	Location Tag (to be used for cascading scenarios)	No
un	String	Temporary guest username	Yes
pak	String	The Portal Access Key	Yes
portal	String	Portal address	No
portalVersion	String	Portal Version	No

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ResourceNotAvailableFault	Resources are not available for the requested operation
RoomIsFullFault	Room is full

LinkEndpointToGuest

Retrieves the VidyoPortal guest entity from the VidyoPortal. Http authentication header is not needed for this request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
EID	String	Endpoint ID – User associated with the Vidyo endpoint identifier	Yes
vrIP	String	VidyoRouter Ip address	No

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Name	Type	Description	Required
clientType	String	Represent client type Type is 'W' for Windows platform. Type is 'M' for MacOS platform. Type is 'V' for VidyoRoom HD200 (Windows platform). Type is 'R' for VidyoRoom HD100/HD50 (Windows platform). Type is 'L' for Linux platform. Type is 'S' for SL5 platform. Type is 'U' for Ubuntu platform. Type is 'T' for SL5 64bit platform. Type is 'X' for Ubuntu 64bit platform. Type is 'I' for iOS Type is 'A' for Android	No

Response Parameter

Name	Type	Description	Required
Entity	EntityID	If the user's authentication is successful, the Member entity is returned	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
AccessRestrictedFault	Resources are not available for the requested operation

createTestcallRoom

Creates a test call room, which gets forwarded to the WebRTC test call server.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
CreateTestcall RoomRequest	Create Testcall Room Request	Creates a test call room	Yes

Response Parameter

Name	Type	Description	Required
extension	String	Extension number of the room	Yes
roomURL	URI	URL to access the room	Yes
roomKey	String	Unique room access key	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
TestcallRoomCreationFault	An unspecified error occurred while creating the test call room

GuestJoinConference

A VidyoPortal member's request to join a meeting room. Request by a guest to join a meeting room identified by hash string.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
pin	String	PIN is an optional string in case the room has a PIN	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ResourceNotAvailableFault	Resources are not available for the requested operation
WrongPinFault	PIN provided to joinConference is wrong
ConferenceLockedFault	Conference provided by EntityID is unable to be joining, due to the fact that it is locked
RoomIsFullFault	Resources are not available - Room is full
AllLinesInUseFault	Resources are not available - All Lines in use

joinIPCConference

A VidyoPortal member's request to join a meeting room on a different portal using IPC (Inter-Portal Communication).

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
local-part	String	This is an address of room (username for private room, room name for public room or extension)	Yes
domain	String	FQDN or IP address of remote VidyoPortal	Yes
pin	String	(optional) required if remote room is pinned	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed
WrongPinFault	PIN provided to joinIPCConference is wrong
ConferenceLockedFault	Conference provided by EntityID is unable to be joined due to the fact that it is locked
SeatLicenseExpiredFault	Seat license has expired and needs to be renewed

getClientVersion

Returns the version of the active client endpoint uploaded for a Tenant, which may be a CDN URL or VidyoPortal URL. There can be multiple versions uploaded but only one version can be active for a given client type. If there is no active client, the response parameters come back empty.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
ClientType	String	Specifies the type of client being requested: ◾ Type is 'W' for Windows platform ◾ Type is 'M' for Mac OS platform ◾ Type is 'V' for VidyoRoom HD-200 (Windows platform) ◾ Type is 'R' for VidyoRoom HD-100/HD-50 (Windows platform) ◾ Type is 'L' for Linux platform ◾ Type is 'S' for SL5 platform ◾ Type is 'U' for Ubuntu platform ◾ Type is 'T' for SL5 64-bit platform ◾ Type is 'X' for Ubuntu 64-bit platform ◾ Type is 'P' for VidyoPanorama 600 ◾ Type is 'N' for VidyoPanorama 600 running Windows 64-bit ◾ Type is 'O' for VidyoPanorama 600 running Linux ◾ Type is 'Q' for VidyoRoom running Windows 32-bit ◾ Type is 'Y' for VidyoRoom running Windows 64-bit ◾ Type is 'Z' for VidyoRoom running Linux	Yes

Response Parameters

Name	Type	Description	Required
CurrentTag	String	Specifies the tag of the endpoint version	Yes
InstallerURL	String	Specifies the CDN or VidyoPortal URL where the endpoint can be downloaded from	Yes

Faults

Name	Description
InvalidArgumentFault	Invalid Argument Fault or in case that the conferenceID or entityID doesn't exist
GeneralFault	An unspecified error occurred

setEndpointDetails

Enables endpoints to report their capabilities to the VidyoPortal during the authentication process. The endpoints must report their capabilities in order to be given permission for some of the system level features such as Presenter Mode. Vidyo endpoints gain new capabilities as features are added to newer versions.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestID	Integer	Guest ID	Yes
EID	String	The endpoint ID	Yes
EndpointFeature	EndpointFeature	The list of features supported by the endpoint and whether those are enabled or not	Optional
applicationName	String	The Vidyo application name (for example, VidyoDesktop, VidyoMobile, etc.)	Optional
applicationVersion	String	The application version (for example, VidyoDesktop, VidyoMobile, etc.)	Optional
applicationOs	String	The OS on which the Vidyo application is running (for example, Windows)	Optional
deviceModel	String	The device model on which the application is running (for example, iPhone 5S)	Optional

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
EndpointNotBoundFault	Endpoint Not Bound Fault
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

WhatIsMyIPAddress

Requests the VidyoPortal to send the endpoint's public IP address. This information is also reflected in the CDR table.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
endpointExternalIPAddress	String	Returns the EP's external IP address or "Unknown" if the IP address in unknown

Fault

Name	Description
GeneralFault	An unspecified error occurred

RaiseHand

Signals the VidyoPortal about a raise hand request made during Presenter mode (a.k.a., Lecture mode) from a participant.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestID	integer	Guest ID	Yes
Username	String	Username	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Fault

Name	Description
GeneralFault	An unspecified error occurred

UnraiseHand

Signals the VidyoPortal about an unraise hand request made during Presenter mode (a.k.a., Lecture mode) from a participant who had previously raised their hand.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
guestID	Integer	Guest ID	Yes
Username	String	Username	Yes

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

6. Web Services User API

This chapter describes the Web Services User API.

VidyoPortal User Service URL:

http://VIDYOPORTAL/services/v1_1/VidyoPortalUserService?wsdl

logIn

Retrieves the Protocol Access Key (pak) from the VidyoPortal.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A
returnEndpointBehavior	Boolean	Flag to return the endpoint behavior if configured	No
returnAuthToken	Boolean	Flag to return the authentication token	No
returnPortalVersion	Boolean	Flag to return the corresponding VidyoPortal version	No

Response Parameters

Name	Type	Description	Required
Pak	String	The Portal Access Key- If the user's authentication is successful, the Portal Access Key is returned	Yes
vmaddress	String	VidyoManager address	No
proxyaddress	String	VidyoProxy address	No
Loctag	String	Location Tag (to be used for cascading scenarios)	No
pak2	String	Returns the PAK2 string when PAK2 is supported by the VidyoPortal	No
authToken	String	Authentication token that can be used in subsequent requests	No

Name	Type	Description	Required
portalVersion	String	The VidyoPortal version	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

linkEndpoint

Retrieves the VidyoPortal member entity from the VidyoPortal using a valid HTTP authentication request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
EID	String	Endpoint ID - User identified in HTTP authentication header is associated with the Vidyo endpoint identifier	Yes
vrIP	String	VidyoRouter IP Address	No
clientType	String	Represents the following client types: ■ Type 'W' is for Windows platform ■ Type 'M' is for MacOS platform ■ Type 'V' is for VidyoRoom HD200 (Windows platform) ■ Type 'R' is for VidyoRoom HD100/HD50 (Windows platform) ■ Type 'L' is for Linux platform ■ Type 'S' is for SL5 platform	No

Name	Type	Description	Required
		■ Type 'U' is for Ubuntu platform	
		■ Type 'T' is for SL5 64bit platform	
		■ Type 'X' is for Ubuntu 64bit platform	
		■ Type 'I' is for iOS	
		■ Type 'A' is for Android	
applicationName	String	Vidyo application name (for example, VidyoDesktop, VidyoMobile, etc.)	
applicationVersion	String	Application version (for example, VidyoDesktop, VidyoMobile, etc.)	
applicationOS	String	OS on which the Vidyo application is running (for example, Windows)	
deviceModel	String	Device model on which the application is running (for example, iPhone 5S)	
pak2	Boolean	PAK2 support	

Response Parameter

Name	Type	Description	Required
Entity	EntityID	If the user's authentication is successful, the Member entity is returned	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed
AccessRestrictedFault	Access restriction to login through mobile device

logOut

Sends a sign-out request to the VidyoPortal.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

myEndPointStatus

Queries the status of a user identified in a valid HTTP authentication request.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	Yes

Response Parameter

Name	Type	Description	Required
MemberStatus	String	Describes the member status based on the operation state of the endpoint in use by the member: ■ Status is Offline and hence can't be reached for a conference. ■ Status is Online and can be reached for a conference or a direct call. ■ Status is Busy in conference and can't be reached for another conference or a direct call. ■ Status is BusyInOwnRoom in conference in own personal room and can't can be reached for another conference. ■ Status is Ringing endpoint associated with member start to ring on receive direct call or invite event from other part. ■ Status is RingAccepted endpoint associated with member accept the call from other part. ■ Status is RingRejected endpoint associated with member reject the call from other part. ■ Status is RingNoAnswer endpoint associated with member is not answered in some period of time. ■ Status is Alerting endpoint associated with member is alerting about income call. ■ Status is AlertCancelled endpoint associated with member is stop to be alerting about income call.	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	If an unspecified error occurred

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

search

Searches for VidyoPortal members, rooms, or legacy devices that match the criteria specified in the filter.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No

Name	Type	Description	Required
sortBy	memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
Entity Type	Member Room Legacy	This is the filed which rquestor is asking the results to be sorted by. Member - in which case the private room is returned Room - in which case all the public rooms belong to owner of input roomID are returned Legacy - in which case filtered by legacy	Yes
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String: Extension displayName Name	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results.	No

Response Parameter

Name	Type	Description	Required
total	Integer	Total number of entities	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to renewed

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

searchMyContacts

Returns a list of favorite VidyoPortal members, rooms, and legacy devices for a member of the VidyoPortal identified in a valid HTTP authentication request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No

Name	Type	Description	Required
sortBy	String: memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String: name Display name extension	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results.	No

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of entities	Yes
Array of entities	Entity	Array of entities (o…n)	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

searchByEnityID

Searches for all entities (mainly rooms) by member's EntityID.

Based on filter criteria, the SearchByEntityID method returns the public or private roomID list that belongs to the owner of input.

Note When making calls, all PINs are masked from users other than the room owner.

The search response can be filtered based on the Entity type of:

1. Member - in which case the private room is returned
2. Room - in which case all the public rooms belong to owner of input roomID are returned
3. Legacy - in which case filtered by legacy

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
Entity	EntityID	This is an ID for addressing the member object in the VidyoPortal.	Yes
filter.\<nnnn\>		The filter type is used to trim down (filter) the search results. The value \<nnnn\> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No

Name	Type	Description	Required
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	memberID name Display name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
Entity Type	Member Room Legacy	This is the filed which rquestor is asking the results to be sorted by. Member - in which case the private room is returned Room - in which case all the public rooms belong to owner of input roomID are returned Legacy - in which case filtered by legacy	YES
query	String: name Display name extension	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that start with the letters "pau," then query=pau would return the desired results.	No

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of entities	Yes
Array of entities	Entity	Array of entities (o…n)	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

searchMembers

Optimizes searches for members, returning the users whose name and email matches the query string by default if neither "name" or "email" is specified in the queryField.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
query	string	Query string searched. Minimum of two characters.	Yes
queryField	string	Field to search on: "name" (default) or "email". If neither is specified, then the default would be both "name" and "email".	No
memberType	string	Member type to search: "member" (default) or "legacy" or "member|legacy"	No

Name	Type	Description	Required
start	int	Starting row number to return (0-99, 0 is default)	No
limit	int	Number of rows to return (0-100, 10 is default)	No
sortBy	string	Field to sort against: "name" (default)	No
sortDir	sortDir	Ascending or descending sort: "ASC" (default) or "DESC"	No

Response Parameters

Name	Type	Description	Required
query	string	Query string searched	Yes
queryField	string	Field searched on	Yes
memberType	string	Member type searched	Yes
start	int	Starting row number	Yes
limit	int	Number of rows returned	Yes
sortBy	string	Field sorted on	Yes
sortDir	sortDir	Sort order returned	Yes
total	int	Total number of results possible	Yes
Member	Member	A list of Member objects containing: ■ entityID (EntityID) ■ name (string) ■ description (string) ■ email (string) ■ enabled (boolean) ■ type (string) ■ isInMyContacts (boolean) ■ MemberStatus object	No

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

searchRooms

Optimizes searches for rooms, returning personal rooms whose display name matches the query string. Searching on personal room is applicable only when roomType is "personal".

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
query	string	Query string searched. Minimum of two characters.	Yes
queryField	string	Field to search on: "roomNameOrExtension" (default) or "ownerName" or "ownerEntityID"	No
roomType	string	Room type to search: "public" (default) or "personal" or "legacy" or combination thereof using pipe ("|"), e.g., "(public|legacy)"	No
start	int	Starting row number to return (0-99, 0 is default)	No
limit	int	Number of rows to return (0-100, 10 is default)	No
sortBy	string	Field to sort against: "roomName" (default) or "extension"	No
sortDir	sortDir	Ascending or descending sort: "ASC" (default) or "DESC"	No

Response Parameters

Name	Type	Description	Required
query	string	Query string searched	Yes
queryField	string	Field searched on	Yes
roomType	string	Room type searched	Yes
start	int	Starting row number to return (0-99, 0 is default)	Yes
limit	int	Number of rows to return (0-100, 10 is default)	Yes
sortBy	string	Field sorted on	Yes
sortDir	sortDir	Ascending or descending sort: "ASC" (default) or "DESC"	Yes
total	int	Total number of results possible	
Room	Room	A list of Room objects containing: ■ entityID (EntityID) ■ name (string) ■ displayName (string) ■ extension (string) ■ description (string) ■ ownerEntityID (EntityID) ■ ownerName (string) ■ type (string) ■ pinned (boolean) ■ locked (boolean) ■ enabled (boolean) ■ isInMyContacts (boolean)	

Faults

Name	Description
NotLicensedFault	API is not licensed

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Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

addToMyContacts

Adds a VidyoPortal member, room, or legacy device to a VidyoPortal member's favorites.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
entityID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

RemoveFromMyContacts

Removes an entity (member, room, or legacy devices) from the member's favorites.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
entityID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

inviteToConference

Invites a VidyoPortal member to join a room. This request can be issued only by a VidyoPortal member who can control the room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the Room object in the VidyoPortal where the conference is started	
and			Yes
entityID	EntityID	This is an ID for addressing the Room object in the VidyoPortal where the conference is started.	

Name	Type	Description	Required
OR			
conferenceID	EntityID	This is an ID for addressing the Room object in the VidyoPortal where the conference is started	
and			Yes
invite URL	String	This field could be used for dialing String to a Legacy Device or making a VidyoVoice call	

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

createTestcallRoom

Creates a test call room, which gets forwarded to the WebRTC test call server.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
CreateTestcall RoomRequest	Create Testcall Room Request	Creates a test call room	Yes

Response Parameter

Name	Type	Description	Required
extension	String	Extension number of the room	Yes
roomURL	URI	URL to access the room	Yes
roomKey	String	Unique room access key	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed
TestcallRoomCreationFault	An unspecified error occurred while creating the test call room
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

joinConference

A VidyoPortal member's request to join a meeting room. To join a VidyoPortal member's personal room, the entityID must the set to the VidyoPortal member's entityID.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
pin	String	PIN is an optional string in case the room has a PIN	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed
WrongPinFault	Wrong pin
ConferenceLockedFault	Conference locked

directCall

Requests for a VidyoPortal member to place a direct call to another VidyoPortal member as identified by EntityID.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
entityID	EntityID	This is an ID for addressing a Member object in the VidyoPortal	Yes
Invite	String	This field could be used for dialing string to a Legacy Device or making a VidyoVoice call	No

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

getParticipants

Lists the participants in a VidyoPortal member's personal room. The entityID must be set to the VidyoPortal member's entityID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameters

Name	Type	Description	Required
Total	Integer	Total number of the participants	Yes
Array of entities	Entity	Array of entities (o…n)	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

GetUserName

Requests a real username as was created by the admin and saved in the DB.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description	Required
realUserName	String	Username as was created and saved in DB	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

leaveConference

Removes a participant (endpoint) from a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameters

Name	Type	Description	Required
Total	Integer	Total number of the participants	Yes
Array of entities	Entity	Array of entities (o…n)	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

muteAudio

Mutes the audio for a given participant (endpoint) in the conference.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

unmuteAudio

Unmutes the audio for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

startVideo

Starts the video for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

stopVideo

Stops the video for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
participantID	EntityID	This is an ID for addressing a Member object in the VidyoPortal where the conference is started	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

myAccount

Retrieves a VidyoPortal member entity.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description	Required
Entity	Entity	This object is returned as a result of search for member	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to renewed

createRoomURL

Creates an URL for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

createRoomPIN

Creates a PIN for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
PIN	String	PIN string	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

getPINLengthRange

Provides the minimum and maximum number of digits required in a user-provided PIN.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
None			

Response Parameters

Name	Type	Description	Required
minimumPINLength	Integer	The minimum digits for PIN length	Yes
maximumPINLength	Integer	The maximum digits for PIN length	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred

removeRoomPIN

Removes a PIN for a room or VidyoPortal member's personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

updatePassword

Updates a VidyoPortal member's password.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
password	String	New password string	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

updateLanguage

Updates a VidyoPortal member's language settings.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
language	String	Language supported by VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

DeleteRoom

Removes a VidyoPortal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is the ID of addressing room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

createRoom

Creates a Public Room that belongs to the member.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
name	String	Name of the room	Yes
extension	String	Room extension	Yes

Response Parameter

Name	Type	Description	Required
Entity	object	Entity Object	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

lockRoom

Locks a public or personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

unlockRoom

Unlocks a public or personal room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

createModeratorPIN

Creates a Moderator PIN for a room or a member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
PIN	String	Specifies the Moderator PIN - used for creating and updating an existing PIN	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occcurred
InvalidArgumentFault	The arguments that were passed into services were wrong
InvalidModeratorPINFormatFault	The format of the Moderator PIN is not valid - either not right amount of digits, or invalid characters (PIN should be a 3-10 digit number)

Name	Description
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

removeModeratorPIN

Removes a Moderator PIN for a room or a member's personal room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
PIN	String	Specifies the Moderator PIN - used for creating and updating an existing PIN	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

GetRoomProfile

Gets a profile for a room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameter

Name	Type	Description	Required
roomProfile	RoomProfile	Specifies the room profile	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

SetRoomProfile

Sets a profile for a room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes
roomProfileName	String	Specifies the auto mute configuration selection profiles. The new profiles are: ■ 'VideoOnly' - will locally auto mute audio only ■ 'AudioOnly' - will locally auto mute video only ■ 'NoAudioAndVideo' - will auto mute both audio and video.	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Indicates that the configuration has been setup successfully	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

RemoveRoomProfile

Removes a profile from a specified room ID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Indicates that the configuration has been setup successfully	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed

Name	Description
GeneralFault	An unspecified error occurred

GetRoomProfiles

Gets a profile for rooms.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	Unique room identifier	Yes

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of profiles that are available	Yes
roomProfile	RoomProfile	Specifies the room profile	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred

SetMemberMode

Gets the available Location Tags based on different criteria.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
filter.<nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	Yes
start	Integer	This is the beginning index of the search result. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the start=30 value.	No
limit	Integer	This is the number of results that are being requested. Example: If the result has 50 elements, and the requestor only wants 10 element from the 30th position, then the requestor provides the limit=10 value.	No
sortBy	String member name extension	This is the field by which the requestor is asking the results to be sorted by. **Note** In the User API, entityID is used instead of memberID. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the sortBy=extension/name/displayName or memeberID value.	No
dir	String ASC DESC	This is the field by which the requestor is asking the results to be sorted in a specific direction/order, ascending or descending. Example: If the result has to be sorted in an ascending order by the extension number of the Entity, then the requestor provides the dir=ASC value.	No
query	String: name display Name	This is the search string that uses all the above filter criteria. Example: If the requestor is looking for all members that	No

Name	Type	Description	Required
	extension	start with the letters "pau," then query=pau would return the desired results	

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of entities	Yes
locationTag	String	Location tag name	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

GetEntityByEntityID

Gets an Entity Object given the member's EntityID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
entityID	EntityID	Member's EntityID	Yes

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of profiles that are available	Yes
Entity	Entity	Entity Object	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

getEntityDetailsByEntityID

Gets an expanded list of entity details, including the new user data such as phone numbers, title, department, location, and the base64 encoded binary of the user's thumbnail photo.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
EntityID	EntityID	List of EntityIDs	Yes

Response Parameters

Name	Type	Description	Required
total	int	The total number of results	Yes
EntityDetails	EntityDetails	List of EntityDetails objects: ■ entityID (EntityID) ■ participantID (EntityID) ■ EntityType ■ ownerID (EntityID) ■ displayName (string) ■ extension (string)	No

Name	Type	Description	Required
		■ emailAddress (string)	
		■ tenant (string)	
		■ description (string)	
		■ Language	
		■ MemberStatus	
		■ MemberMode	
		■ canCallDirect (boolean)	
		■ canJoinMeeting (boolean)	
		■ canRecordMeeting (boolean)	
		■ isInMyContacts (boolean)	
		■ RoomStatus	
		■ RoomMode	
		■ canControl (boolean)	
		■ audio (boolean)	
		■ video (boolean)	
		■ appshare (boolean)	
		■ phone1 (string)	
		■ phone2 (string)	
		■ phone3 (string)	
		■ department (string)	
		■ title (string)	
		■ instantMessagerID (string)	
		■ location (string)	
		■ thumbnailUpdateTime (dateTime)	
		■ thumbnailPhoto (base64Binary)	

Faults

Name	Description
NotLicensedFault	API is not licensed

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

GetEntityByRoomKey

Gets an entity by the roomKey provided in the room or guest URL.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomKey	String	Room key string (retrieved from room url)	Yes

Response Parameter

Name	Type	Description	Required
Entity	Entity	Entity Object	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

setThumbnailPhoto

Allows users to upload their own thumbnail photo. The system supports .png, .jpg, and .jpeg file types. Error messages are returned if the user attempts to upload an unsupported file type, the file is larger than the file size limit set by the Super Admin, or the user is restricted from uploading thumbnail photos by the Super Admin. The thumbnail photo must be provided as a base64 encoded binary.

Request Parameter

Name	Type	Description	Required
thumbNailPhoto	Base64Binary	Base64 encoded .png, .jpg, or .jpeg image	Yes

Response Parameter

Name	Type	Description	Required
OK	String	Indicates that the photo has been uploaded successfully	Yes

Faults

Name	Description
NotLicensedException	API is not licensed
NotAllowedThumbnailPhoto Fault	Image upload has been disabled by the Admin
FileTooLargeFault	The uploaded file is larger than the maximum configured by the Super
SeatLicenseExpiredFault	Seat license expired and needs to be renewed
InvalidArgumentFault	The provided argument was invalid. The file may be of an unsupportted format or incorrectly encoded.
GeneralFault	An unspecified error occurred

GetInviteContent

Gets an invite content for an email message.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameters

Name	Type	Description	Required
content	String	Invite content string	Yes
subject	String	Email invitation subject line string	No

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	Not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired

Note The response might include the room PINs; however, those are masked from users other than the room owner or the tenant admin.

GetPortalVersion

Gets the portal version.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
portalVersion	String	Portal version	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
NotLicensedException	API is not licensed
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be updated

GetConferenceID

Requests the Conference ID of the conference room the user is associated with.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
conferenceID	EntityID	Conference ID to which the user is logged in to. The null value returns if the user is not in a conference.	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed

generateAuthToken

Authenticates registered users and communicates with the VidyoPortal using a new token-based authentication mechanism from Vidyo endpoints. The token is generated based on the EndpointID and validity time. If the validity time is zero, the token is valid until the user logs out or the token is not used for 90 days.

Note   The endpoint must be bound to the user (i.e., link endpoint is assumed to have been done) prior to using this method.

Valid EID:TOKEN can be used for any operation in the User service except for the following:

- change password
- generateAuthToken

The token should be set in the Authorization header for any User service invocations. Its format is EID:TOKEN, and should be base64 encoded.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
validityTime	String	The time in seconds for the token to remain valid	Yes
endpointid	EndpointID	The endpoint unique identifier	Yes

Response Parameter

Name	Type	Description	Required
authToken	String	Returned Token	Yes

Faults

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong

getActiveSessions

Gets a count of all active authentication tokens for a given user.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
count	Integer	Conference ID to which the user is logged in to. If the user is not in a conference, the null value returns.	Yes

Fault

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong

logoutAllOtherSessions

Logs out all sessions tokens for a given user.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
Ok	String	Specify that the action was performed successfully	Yes

Fault

Name	Description
None	

getOnetimeAccessUrl

Fetches the portal access URL with a one-time token.

Note   Token validity period is five minutes. If a user creates a token but uses it after five minutes, the VidyoPortal will return unauthorized (401).

The user making this call will be logged in the Audit Logs. The Audit Log will store the admin ID, IP address, and member ID of the member who made this call.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	

Response Parameter

Name	Type	Description	Required
url	anyURL	Portal access URL	Yes

Faults

Name	Description
InvalidArgumentFault	Invalid Argument Fault in case the conference ID doesn't exist
NotLicensed	API is not licensed
GeneralFault	An unspecified error occurred

PortalPrefix

Returns the VidyoPortal prefix as it is set up on the Super Admin page.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
portalPrefix	Integer	Returns the VidyoPortal prefix. Returns Null if no VidyoPortal prefix is set up

Fault

Name	Description
GeneralFault	An unspecified error occurred

Name	Description
NotLicensedFault	API is not licensed
PrefixNotConfiguredFault	Error returned when the portal prefix is not configured

createScheduledRoom

Creates an ad-hoc conference room. Allows for specifying between 1 and 400 unused days after which the room will be garbage collected in the system. When specifying 0, the VidyoPortal currently auto-selects 100 days by default. As part of the response, the user receives a unique room link or extension to access this room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
recurring	Integer	Unused days after which the room will be garbage collected	Optional
setPIN	Boolean	The room will be generated with a PIN	Optional

Response Parameters

Name	Type	Description
extension	String	The room's unique ID
pin	String	The room's randomly generated PIN
inviteContent	String	Content of the invite text (will include the room URL, PIN, and extension)
roomURL	String	The room's URL
inviteSubject	String	The email invitation subject

Faults

Name	Description
NotLicensedFault	API is not licensed

Name	Description
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
SeatLicenseExpiredFault	Seat license expired and needs to be renewed
ScheduledRoomCreationFault	Scheduled Room Creation Fault

createPublicRoom

Allows users to create a public room by specifying the Display Name. Auto-generates the Room Name and Extension, and enforces limitations on the number of public rooms that a User, Tenant, and Portal can create.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
displayName	string	Public room display name	Yes
inMyContacts	boolean	Indicates whether to add to contact list	No
locked	boolean	Indicates whether room is locked	No
setPIN	string	PIN for the public room	No
description	string	Description of the public room	No

Response Parameters

Name	Type	Description	Required
roomID	EntityID	EntityID of the newly created public room	Yes
extension	string	Extension of the public room	Yes
roomURL	anyURI	URL for the public room	Yes
inMyContacts	boolean	Indicates whether the public room is in contact list	No
locked	boolean	Indicates whether the public room is locked	No
hasPIN	boolean	Indicates whether the public room has a PIN	No

Faults

Name	Description
NotLicensedFault	API is not licensed
NotAllowedToCreateFault	Not authorized to create public room
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
PublicRoomCreationFault	Failed to create a public room

updatePublicRoomDescription

Enables end users to update the one room property that they are allowed to changed.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	EntityID of the public room	Yes
description	string	Description of the public room	Yes

Response Parameter

Name	Type	Description	Required
OK	OK	If successful, returns OK	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
RoomNotFoundFault	Room was not found
GeneralFault	Unspecified error occurred

Name	Description
PublicRoomDescUpdation Fault	Update failed

joinConference

Supports an option to report a reference number while joining a conference. This is done in order to support customization of the reporting mechanism and allow customers to build applications that report this field to the CDRs.

This method can use the following parameters:

Request Parameter

Additions to the existing request parameters:

Name	Type	Description	Required
referenceNumber	String	The custom referenceNumber that the endpoint is reporting while requesting to join	Optional

disconnectConferenceAll

Disconnects all participants from a specified conference room, including the conference moderator and the person controlling the room.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	If set to TRUE, the Scheduled Room information generated will have a PIN associated with it	Yes
moderatorPIN	String	Specifies the moderator PIN to grant access to the action requested	Optional

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	Invalid Argument Fault or in case the conference ID doesn't exist
GeneralFault	An unspecified error occurred
ControlMeetingFault	Not authorized to perform this action

muteAudioServerAll

Mutes all participants in the specified conference, including the conference moderator and the person controlling the room. Unmuting the participants must be performed by the conference moderator. Participants are unable to unmute themselves.

While in this mode, new participants joining the conference are also muted.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	If set to TRUE, the Scheduled Room information generated will have a PIN associated with it	Yes
muteState	Boolean	Specifies whether the state should be mute or unmute: Mute: '1' | True Unmute: '0' | False	Yes
moderatorPIN	String	Specifies the moderator PIN to grant access to the action requested	No

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	Invalid Argument Fault or in case the conference ID doesn't exist
GeneralFault	An unspecified error occurred

muteAudioClientAll

Silences all participants in the specified conference, including the conference moderator and the person controlling the room. Participants are able to unmute themselves from their client user interfaces. There is no 'unmuteAudioClientAll' equivalent given that users can unmute themselves locally.

While in this mode, new participants joining the conference are also silenced.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	If set to TRUE, the Scheduled Room information generated will have a PIN associated with it	Yes
moderatorPIN	String	Specifies the moderator PIN to grant access to the action requested	No

Response Parameter

Name	Type	Description
Ok	String	Specifies that the action was performed successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	Invalid Argument Fault or in case the conference ID doesn't exist
GeneralFault	An unspecified error occurred

muteVideoServerAll

Puts all participants in the specified conference, including the conference moderator and the person controlling the room, into privacy mode. The participants are not able to unmute their video by themselves.

While in this mode, new participants joining the conference are also muted when the room profile is set to the 'video mute' or 'video and audio mute' modes.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	If set to TRUE, the Scheduled Room information generated will have a PIN associated with it	Yes
muteState	Boolean	Specifies whether the state should be mute or unmute: Mute: '1' | True Unmute: '0' | False	Yes
moderatorPIN	String	Specifies the moderator PIN to grant access to the action requested	No

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	Invalid Argument Fault or in case the conference ID doesn't exist
GeneralFault	An unspecified error occurred

muteVideoClientAll

Puts all participants in the specified conference, including the conference moderator and the person controlling the room, into privacy mode. The participants are able to unmute their video by themselves from their client user interfaces. There is no 'unmuteVideoClientAll' equivalent given where users can unmute themselves locally.

While in this mode, new participants joining the conference are also muted when the room profile is set to 'video mute' or 'video and audio mute' modes.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	If set to TRUE, the Scheduled Room information generated will have a PIN associated with it	Yes
moderatorPIN	String	Specifies the moderator PIN to grant access to the action requested	No

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	Invalid Argument Fault or in case the conference ID doesn't exist
GeneralFault	An unspecified error occurred

SilenceSpeaker

Silences a specific participant's speaker.

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	The EntityID of the conference.	Yes
moderatorPIN	String	The moderator PIN for the Room controller	No
participantID	Integer	The participant ID whose speaker to silence.	Yes
silenceState	SilenceState	The silence state as an integer value, 0 or 1.	Yes

Response Parameters

Name	Type	Description	Required
conferenceID	EntityID	The EntityID of the conference.	Yes
participantID	Integer	The participant ID whose speaker was updated.	No
silenceState	SilenceState	The silence state as an integer value, 0 or 1.	Yes
ModeratorPIN	String	The moderator PIN for the Room controller	No

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidConferenceFault	Invalid conference ID
InvalidParticipantFault	Participant ID is invalid

SilenceSpeakerServerAll

Silences all participants' speakers.

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	The EntityID of the conference.	Yes
participantID	int	The participant ID element in the request will be ignored.	No
silenceState	SilenceState	The silence state as integer value, 0 or 1.	Yes
moderatorPIN	String	The moderator PIN for the Room controller	No

Response Parameters

Name	Type	Description	Required
conferenceID	EntityID	The EntityID of the conference.	Yes
participantID	Integer	The participant ID element will be ignored for processing, but will be shown as entered in request.	No
silenceState	SilenceState	The silence state as integer value, 0 or 1.	Yes
moderatorPIN	String	The moderator PIN for the Room controller	No

Fault Parameters

Name	Description
NotLicensedFault	API is not licensed
InvalidConferenceFault	Invalid conference ID

createModeratorURL

Creates a moderator URL for the HTML Web-based control meeting. The user making the request must be the room owner.

The generated moderator URL links to the room's HTML Web-based control meeting page and may be opened from any platform (desktop, mobile, etc.).

Accessing the URL:

- Requires a moderator PIN when opened from the moderator URL.
- Does not require a moderator PIN when opened from within a Vidyo client linking to this page and the room owner is already logged in to the system.

If the moderator URL is invalid, accessing the Web page results in an access error.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
GeneralFault	An unspecified error occurred

Name	Description
rooIDFault	The specified room ID is invalid

removeModeratorURL

Removes a specific moderator URL for the HTML Web-based control meeting for a given room by the room owner only.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description
Ok	String	Indicates that the action was performed successfully

Faults

Name	Description
GeneralFault	An unspecified error occurred
rooIDFault	The specified room ID is invalid

getModeratorURL

Gets the moderator URL for the HTML Web-based control meeting for a given room by the room owner only.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameters

Name	Type	Description
moderatorURL	String	The control meeting moderator URL
hasModeratorPIN	Boolean	Indicates whether there is a PIN or not

Faults

Name	Description
GeneralFault	An unspecified error occurred
rooIDFault	The specified room ID is invalid

getModeratorURLWithToken

Gets the moderator URL for the HTML Web-based control meeting for a given room with a one-time token. The web page will request a moderator PIN if the user is not the owner of the room, an operator, or the administrator. The user must be on the same tenant as the room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description
moderatorURL	String	The control meeting moderator URL

Faults

Name	Description
GeneralFault	An unspecified error occurred
roomIDFault	The specified room ID is invalid

cancelOutboundCall

Enables the moderator to cancel an outgoing user invite request.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Specifies the conference ID which the moderator is logged in to	Yes
entityID	EntityID	Indicates that the user that has been invited. User cannot invite an entity that is of type Legacy	Yes
moderatorPIN	String	Specifies the moderator PIN	Optional

Response Parameter

Name	Type	Description
Ok	String	Indicates that the cancelation has been successful

Faults

Name	Description
InvalidArgumentFault	Invalid Argument Fault or in case that the conferenceID or entityID doesn't exist
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed
ControlMeetingFault	The user is not allowed to control the conference (only for User API)
SeatLicenseExpireFault	Seat license expired

getPortalFeatures

Queries whether the following features are available on the VidyoPortal and, if available, whether the feature is enabled or disabled on the Super Admin level.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameters

Name	Type	Description
PortalFeature	PortalFeature	The following object provides the list of available features that the VidyoPortal is supporting: Scheduled Room, Guest login, IPC inbound call, IPC outbound call, HTML control meeting, etc. Change to this version: ■ Adding 'EndpointPrivateChat' parameter to indicate whether private chat is enabled on Vidyo endpoints ■ Adding 'EndpointPublicChat' parameter to indicate whether public chat is enabled on Vidyo endpoints ■ Adding '16TILES' to indicate whether the 16 tiles layout is enabled on VidyoDesktop ■ Adding 'HTMLChangePswd' to indicate that this VidyoPortal supports an HTML based page for password changing ■ Adding 'RouterParticipantInformation' to indicate that this VidyoPortal supports participant information delivered by the VidyoRouter Each of these parameters can get the values of True or False. For earlier VidyoPortals on which this feature is not available, this value will not show up when querying this service.
LoginBanner	Boolean	Indicates whether the Login Banner feature is supported by the VidyoPortal
WelcomeBanner	Boolean	Indicates whether the Welcome Banner feature is supported by the VidyoPortal
CDR2_1	Boolean	Indicates whether the CDR scheme on the VidyoPortal is from version 2.1
ScheduledRoom	Boolean	Indicates whether the VidyoPortal supports Scheduled Rooms

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred

getUserAccountType

This method can use the following parameters:

Response Parameter

Additions to the existing response parameter:

Name	Type	Description
userAccountType	String	The account type of the logged in user. The following are the possible user account types that the portal can return:
		Should add as Response parameters in the Table
		■ Admin
		■ Operator
		■ Normal
		■ VidyoRoom
		■ Executive
		■ VidyoPanorama

getLoginAndWelcomeBanner

Indicates to the endpoint whether a login, click-through banner is required when the user first logs in to the portal and provides the login and welcome info which is set up on the tenant to be displayed on the endpoint.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always empty)		Use only the HTTP Authentication header	N/A

Response Parameters

Name	Type	Description	Required
loginBannerText	String	Welcome text that appears after the client logs in	No
welcomeBannerContent	Complex Type	WelcomeBannerContent for a text-based message to be used on the endpoints upon successful login with the last 5 login attempts (successful and unsuccessful) for that particular user: welcomeBannerText: Welcome screen title text (example: Welcome to VidyoConferencing.) For each login attempt: result: login result (example: SUCCESS, FAILURE: ACCOUNT LOCKED) source address: IP address (example: 172.16.7.206) time: time of the login attempt (format is based on the location of the server) welcomeBannerPasswordExpiryDate: the date of the password expiration (example: 12/27/2013 13:35:50 PM) Parameter will not show up in the response when password expiration is disabled. *In case one of the features is disabled, its information will not be returned in the response.	No

startLectureMode

Starts Presenter mode (a.k.a., Lecture mode) on the VidyoPortal and on the endpoints. All endpoints will go into Presenter mode.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

stopLectureMode

Stops Presenter mode (a.k.a., Lecture mode) on the VidyoPortal and on the endpoints. All endpoints will exit Presenter mode.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

GetLectureModeParticipants

Requests to list the participants in a meeting as identified by EntityId (which is similar to GetParticipants but supports Presenter mode instead). To list the participants in a personal room belonging to a Member, the EntityID must be set to the Member.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes

Name	Type	Description	Required
Filter <nnnn>		The filter type is used to trim down (filter) the search results. The value <nnnn> could be any of or all of the variables below.	
moderatorPIN	String	Moderator PIN	No

Response Parameters

Name	Type	Description
total	Integer	Number of participants
recorderID	Integer	Recorder ID of the recorder active in the conference
recorderName	String	Recorder name
paused	Boolean	Recording status
webcast	Boolean	Is webcast enabled for the conference
lectureMode	Boolean	Is Lecture Mode on for this conference
Lecture mode participants	LectureModeParticipant	List of the participants

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

LectureModeParticipant is an object with the following parameters:

Name	Type	Description
entityID	EntityID	Entity ID
participantID	EntityID	Participant ID

Name	Type	Description
displayName	String	Display name
extension	String	Extension
audio	Boolean	Indicates whether the audio is muted
video	Boolean	Indicates whether the video is muted
appshare	Boolean	Indicates whether there is a content share
handRaised	Boolean	Indicates whether a hand is raised
presenter	Boolean	Indicates whether the participant is presenting

RaiseHand

Signals the VidyoPortal about a raise hand request made during Presenter mode (a.k.a., Lecture mode) from a participant.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

UnraiseHand

Signals the VidyoPortal about an unraise hand request made during Presenter mode (a.k.a., Lecture mode) from a participant who had previously raised their hand.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

DismissRaisedHand

Signals the dismissal of a hand from the moderator to the endpoint that had previously raised a hand.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes

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Name	Type	Description	Required
participantID	EntityID	Participant ID of the participant who had raised hand that the moderator wishes to dismiss	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

DismissAllRaisedHand

Dismisses all raised hands from the moderator.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

SetPresenter

Assigns a presenter to the conference during Presenter mode (a.k.a., Lecture mode).

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
participantID	EntityID	Participant ID of the participant who will be the presenter.	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

RemovePresenter

Removes a given participantID (endpoint) as the presenter when a conference is in Presenter mode.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	Conference ID of the conference where the presentation is being held	Yes
participantID	EntityID	Participant ID of the participant who had raised hand that the moderator wishes to dismiss	Yes
moderatorPIN	String	Moderator PIN	No

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
GeneralFault	An unspecified error occurred
ControlMeetingFault	The user is not allowed to control the conference (only for User API)

SetEndpointDetails

Enables endpoints to report their capabilities to the VidyoPortal during the authentication process. The endpoints must report their capabilities in order to be given permission for some of the system level features such as Presenter Mode. Vidyo endpoints gain new capabilities as features are added to newer versions.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
EID	String	Endpoint ID	Yes
EndpointFeature	Endpoint Feature	List of features supported by the endpoint and indicates whether those are enabled or not	Optional
applicationName	String	Vidyo application name (for example, VidyoDesktop, VidyoMobile, etc.)	Optional
applicationVersion	String	Application version (for example, VidyoDesktop, VidyoMobile, etc.)	Optional
applicationOs	String	OS on which the Vidyo application is running (for example, Windows)	Optional
deviceModel	String	Device model on which the application is running (for example, iPhone 5S)	Optional

Response Parameter

Name	Type	Description
OK	String	Acknowledges that the request has been received successfully

Faults

Name	Description
EndpointNotBoundFault	Endpoint Not Bound Fault
NotLicensedFault	API is not licensed
InvalidArgumentFault	The arguments that were passed into services were wrong
GeneralFault	An unspecified error occurred

WhatIsMyIPAddress

Requests the VidyoPortal to send the endpoint's public IP address. This information is also reflected in the CDR table.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameter

Name	Type	Description
endpointExternalIPAddress	String	Returns the EP's external IP address or "Unknown" if the IP address in unknown

Faults

Name	Description
GeneralFault	An unspecified error occurred
NotLicensedFault	API is not licensed

7. Web Services License API

This chapter describes the Web Services License API.

VidyoPortal License Service URL:

http://VIDYOPORTAL/services/VidyoPortalLicenseService?wsdl

getClientVersion

Returns the version of the active client endpoint uploaded for a Tenant, which may be a CDN URL or VidyoPortal URL. There can be multiple versions uploaded but only one version can be active for a given client type. If there is no active client, the response parameters come back empty.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
ClientType	String	Specifies the type of client being requested:	Yes
		■ Type 'W' is for Windows platform	
		■ Type 'M' is for Mac OS platform	
		■ Type 'V' is for VidyoRoom HD-200 (Windows platform)	
		■ Type 'R' is for VidyoRoom HD-100/HD-50 (Windows platform)	
		■ Type 'L' is for Linux platform	
		■ Type 'S' is for SL5 platform	
		■ Type 'U' is for Ubuntu platform	
		■ Type 'T' is for SL5 64-bit platform	
		■ Type 'X' is for Ubuntu 64-bit platform	
		■ Type 'P' is for VidyoPanorama 600	
		■ Type 'N' is for VidyoPanorama 600 running Windows 64-bit	
		■ Type 'O' is for VidyoPanorama 600 running Linux	

Name	Type	Description	Required
		■ Type 'Q' is for VidyoRoom running Windows 32-bit	
		■ Type 'Y' is for VidyoRoom running Windows 64-bit	
		■ Type 'Z' is for VidyoRoom running Linux	

Response Parameters

Name	Type	Description	Required
CurrentTag	String	Specifies the tag of the endpoint version	Yes
InstallerURL	String	Specifies the CDN or VidyoPortal URL where the endpoint can be downloaded from	Yes

Faults

Name	Description
InvalidArgumentFault	Invalid Argument Fault or in case that the conferenceID or entityID doesn't exist
GeneralFault	An unspecified error occurred

8. User Status Notification

User Status Notification is a blocking server, and a valid and responsive SOAP server must be configured. The VidyoPortal can send User Status Notifications to external entities using the SOAP interface. Every time the status of a User on the VidyoPortal changes (for example from Offline to Online) the VidyoPortal sends a notification message using the pre-configured SOAP interface. It is an application's responsibility to determine how the user status information received via the SOAP interface will be processed. One of the possible use cases for this mechanism is providing the User Status information to Presence servers.

User Status Notification Service Overview

The User Notification web service should be exposed via the SOAP interface.

It is described in the UserStatusNotificationService.wsdl file.

The WSDL file defines the operation called notifyUserStatus() which receives the User Status Notification structure as a parameter.

Request Parameters

Name	Type	Description	Required
UserName	String	The user name of a user logged into the VidyoPortal.	Yes
Tenant	String	The name of the tenant the user is logged into. If a VidyoPortal has only one tenant, this string is always Default.	Yes

Name	Type	Description	Required
UserStatus	Array of Strings	Describes the member status based on the operation state of the endpoint in use by the member: ■ Status is Offline: Can't be reached for a conference. ■ Status is Online: Can be reached for a conference or a direct call. ■ Status is Busy: In a conference and can't be reached for another conference or a direct call. ■ Status is BusyInOwnRoom: In a conference in own personal room and can't be reached for another conference. ■ Status is Ringing: The endpoint associated with the member has started to ring upon receiving either a direct call or an invite event from another participant. ■ Status is RingAccepted: The endpoint associated with the member accepted the call from another participant. ■ Status is RingRejected: The endpoint associated with the member rejected the call from another participant. ■ Status is RingNoAnswer: The endpoint associated with the member has not answered within the allotted period of time. ■ Status is Alerting: The endpoint associated with the member is being alerted about the incoming call. ■ Status is AlertCancelled: The endpoint associated with the member is no longer being alerted about the incoming call.	Yes

The VidyoPortal can be configured to send User Status Notifications in the format described above to a SOAP Server.

Note   The User Status Notification is a blocking server and could be a point of failure; therefore, once it's configured, you must ensure that the service is available at all times.

Configuring User Status Notification

To configure User Status Notification:

1. Log in to the Super Admin portal using your Super Admin account.

    For more information, refer to "Logging in to the Super Admin Portal" in the *VidyoConferencing Administrator Guide*.

2. Navigate to *Settings > Maintenance > Status Notify*.

3. Select the **Enable** checkbox.

4. Provide the URL of the SOAP server.

    For example: `http://[SOAP Server IP]/[notif_server.php]`, where `[notif_server.php]` is the PHP SOAP server that will handle the SOAP request from the VidyoPortal,

    `[SOAP Server IP]` should be a web reachable address.

5. Enter the **User Name** and **Password**.

    If the SOAP server is using authentication, then provide the **User Name** and **Password**.

6. Click **Save**.

9. Authentication Using Web Services

The VidyoPortal can delegate user authentication to the external entities using the SOAP interface. Every time VidyoPortal receives a user name and password during a login procedure the VidyoPortal sends a SOAP message with user credentials to an external web service using the pre-configured Web Service interface. It is the web service's responsibility to return the authentication response to the VidyoPortal. Based on the response (passed authentication or failed authentication) the VidyoPortal successfully completes or fails the login procedure.

Authentication Service Overview

The authentication web service is exposed via the SOAP interface. It's defined in the AuthenticationService.wsdl file.

Request Parameters

Name	Type	Description	Required
username	String	User name	Yes
password	String	password	Yes

Response Parameter

Name	Type	Description	Required
passed	Boolean	true or false	Yes

Configuring the Authentication Server

1. Log in to the Admin portal using your Admin account.

   For more information, refer to "Logging in as a Tenant Admin" in the *VidyoConferencing Administrator Guide*.

2. Navigate to *Settings > Authentication*.

3. Select **Web Service** from the **Authentication Type** drop-down.

4. Provide the URL of the SOAP Server.

For example: `http://[SOAP Server IP]/[auth_server.php]`, where `[auth_server.php]` is the PHP SOAP server that will handle the SOAP request from the VidyoPortal,

`[SOAP Server IP]` should be a web reachable address.

5. Enter the **User Name** and **Password**.

   If the SOAP server is using authentication, then provide the **User Name** and **Password**.

6. Click **Save**.

10. VidyoReplay API

This chapter describes the VidyoReplay API functionality for the User and Admin API. The VidyoReplay API enables playing and recording of the video stream during the conference. The content management part enables accessing, deleting, renaming and changing the record contents.

VidyoReplay Service URL:

http://VIDYOPORTAL/services/v1_1/VidyoPortalUserService?wsdl

http://VIDYOPORTAL/services/v1_1/VidyoPortalAdminService?wsdl

VidyoReplay Content Management Service URL:

http://VIDYOPORTAL/replay/services/VidyoReplayContentManagementService?wsdl

GetRecordingProfiles

Provides the available recording profile. The recorder prefix defines the file format of the recording (CIF, CD, HD).

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
(Always Empty)		Use only the HTTP Authentication header	N/A

Response Parameters

Name	Type	Description	Required
total	Integer	Total number of profiles	Yes
recorderPrefix	String	Prefix ID	Yes
description	String	Prefix Description	No

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	Seat license expired and needs to be renewed

startRecording

Starts the recording for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
recorderPrefix	String	A string representing the recording prefix	Yes
webcast	Boolean	Start recording the webcast	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
ResourceNotAvailableFault	Resource Not Available Fault
SeatLicenseFault	For service use only

StopRecording

Stops the recording for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
recorderID	String	A string representing the recording prefix. The GetPArticipantsResponse() will provide recorderID associated with this conference.	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not Licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only
SeatLicenseFault	For service use only

PauseRecording

Pauses the recording for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
recorderID	String	A string representing the recording prefix	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

ResumeRecording

Resumes the recording for a given participant (endpoint) in a conference.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
conferenceID	EntityID	This is an ID for addressing the room object in the VidyoPortal where the conference is started	Yes
recorderID	String	A string representing the recording prefix	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not Licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

createWebcastURL

Creates a URL for a Webcast.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

removeWebcastURL

Removes a URL for a Webcast.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

GetWebcastURL

Gets the Webcast URL and PIN indicator for a room.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameters

Name	Type	Description	Required
webCastURL	String	Webcast URL	Yes
hasWebCastPIN	Boolean	If room has a pin	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong

Name	Description
SeatLicenseExpiredFault	For service use only

createWebcastPin

Creates a PIN for a Webcast.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes
pin	String	Webcast Pin	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

removeWebcastPin

Removes a PIN for a Webcast.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
roomID	EntityID	This is an ID for addressing the room object in the VidyoPortal	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
NotLicensedFault	API is not Licensed
GeneralFault	An unspecified error occurred
InvalidArgumentFault	The arguments that were passed into services were wrong
SeatLicenseExpiredFault	For service use only

RecordsSearch

Provides records based on different criteria plus access levels. It can be used for output records paging via offset and limit parameters in a conjunction with a previous `GetRecordsSearchCountRequest` element. The `userName` is detected based on the user name logged in and the current tenant. `tenantName` is optional and can be used only by a Super Admin only. The default sorting criteria are by date descending. Output is limited to 200 records. The `sortBy` valid values are `date`, (the default) `title` and `room`.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
tenantName	String	For Super Admin level	No

Name	Type	Description	Required
usernameFilter	String	For Admin level	No
roomFilter	String	Filter based on roomName	No
sortBy	sortBy	The field by which the results should be sorted by. Valid values are "date," "title," and "room".	Yes
query	String	The search string that uses the above filter criteria.	No
recordScope	recordScopeFilter	New public organization	Yes
dir	sortDirection	Sort direction: ASC, DESC	Yes
limit	Integer	Max 200	No
start	Integer	Start search record from a specific recordnumber	No
webcast	Boolean	Search by webcast	No

Response Parameters

Name	Type	Description	Required
allVideosCount	Integer	Total available user records count including public and organizational records from other users	No
searchCount	Integer	Available user records count after applying search filtering	No
myVideosCount	Integer	Total user records count for user own records **Note** Admin has access for all available user records under particular tenant.	No
webcastCount	Integer	Total webcasts count for particular user	No
newCount	Integer	Total private records count for particular user	No
privateCount	Integer	Total organizational records count for	No

Name	Type	Description	Required
		particular user	
organizationalCount	Integer	Total public records count for particular user	No
publicCount	Integer	Records array returned based on limit and offset criteria. Maximum output limit is 200 records	No

Faults

Name	Description
AccessViolationFault	Access Violation Fault
GeneralFault	An unspecified error occurred

RecordsById

Provides the recordfile by record IDs.

Note   Only records to which that user has view access are shown.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
id	Integer	Record ID	Yes

Response Parameter

Name	Type	Description	Required
OK	String	String representation of successful operation	Yes

Faults

Name	Description
GeneralFault	An unspecified error occurred

updateRecord

Provides updates of records for the following fields:

- Title (if not provided)

- Comments (if not provided)

- Tags (if not provided)

- Record Scope (if not provided)

- PIN (if not provided)

    1 – New

    2 – Private

    3 – Organizational

    4 – Public

Empty String - PIN removed from the record based on record id. If the record value is not provided, the same value will be retained.

Note   Only records that the user has view access to are shown.

This method can use the following parameters:

Request Parameters

Name	Type	Description	Required
id	Integer	ID number	Yes
title	String	Title	No
comments	String	Comments	No
tags	String	Tags	No
recordScope	recordScopeUpdate	Record Scope	No

Name	Type	Description	Required
pin	String	Pin	No

Faults

Name	Description
AccessViolationFault	Access Violation Fault
GeneralFault	An unspecified error occurred

deleteRecord

Deletes a record based on the record ID.

This method can use the following parameters:

Request Parameter

Name	Type	Description	Required
id	Integer	Id	Yes

Faults

Name	Description
AccessViolationFault	Access Violation Fault
GeneralFault	An unspecified error occurred

getVidyoReplayLibrary

Provides registered users with the link to the VidyoReplay library which hosts all the recordings on a particular tenant on the VidyoPortal.

This method can use the following parameters:

Response Parameters

Name	Type	Description
authToken	String	Authentication token that will be used when the user accesses the VidyoReplay library
vidyoReplayLibraryUrl	String	Returns the URL of the VidyoReplay library

Faults

Name	Description
VidyoReplayNotAvailableFault	Returned when VidyoReplay is not set up on the specified tenant
NotLicensedFault	API is not licensed
GeneralFault	An unspecified error occurred

11. VidyoGateway API

This chapter describes the VidyoGateway API functionality available for the VidyoGateway.

Call Notification

Enables VidyoGateway to convey to the external application the details of an incoming call and to receive a response with either a new dial string or an indication to reject the call (as an invalid dial string or as room not accessible).

This method can use the following parameters:

VidyoGateway Request Parameters

Name	Type	Description	Required
dialString	String	Dial string that was dialed (extension and PIN, if available)	Yes
sourceIP	String	IP address that the call is coming from	Yes
clusterIP	String	IP address of the VidyoGateway cluster controller that is accepting the call	Yes
userAgent	String	Type of device used for making the call	Optional
from	String	Name of the caller	Optional
protocol	String	H.323 or SIP	Yes

Response Parameter

Name	Type	Description	Required
newDialString	String	Extension for the VidyoGateway to call	No

Faults

Name	Description
Error:404	Dial string is invalid. The VidyoGateway will play the "Retry Conference Error" IVR prompt.

Name	Description
Error:425	Room not accessible (locked/full). The VidyoGateway will play the "Retry Room Not Accessible" IVR prompt.
General Error	When the external application returns a different response (not 200, 404, or 425), the VidyoGateway IVR will play the "Retry Room Generic Error" IVR prompt.

Note For additional information about configuring the Call Notification API, please refer to the *VidyoGateway Administrator Guide*.

12. REST Web Services Authentication API

This chapter describes the REST Web Services authentication API.

restAuthentication

Allows Super Admins and Admins to set up REST-based authentication.

- **Content Type**: Application/json
- **Supported Method**: GET, POST, and PUT
- **Sample URL**: http://yourfqdn/admin/service/restAuthentication

GET

Sample Request

```
http://example.com/admin/service/restAuthentication
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "restUrl":"https://webservice.example.com/authentication",
        "assignedRoles":[
            {
                "roleID":1,
                "roleName":"Admin",
                "roleDescription":"Admin"
            },
            {
                "roleID":3,
                "roleName":"Normal",
                "roleDescription":"Normal"
            }
        ],
        "restAuthConfigured":true
    }
}
```

PUT

Sample Request

```
{
    "restUrl":"https://webservice.example.com/authentication",
    "assignedRoles":[
        {
            "roleID":1,
            "roleName":"Admin",
            "roleDescription":"Admin"
        },
        {
            "roleID":3,
            "roleName":"Normal",
            "roleDescription":"Normal"
        }
    ]
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "restUrl":"https://webservice.example.com/authentication",
        "assignedRoles":[
            {
                "roleID":1,
                "roleName":"Admin",
                "roleDescription":"Admin"
            },
            {
                "roleID":3,
                "roleName":"Normal",
                "roleDescription":"Normal"
            }
        ],
        "restAuthConfigured":true
    }
}
```

Error Responses

- Status Code: 405 Method Not Allowed

- Status Code: 400 Bad Request

POST

Sample Request

```
{
    "restUrl":"https://webservice.example.com/authentication",
    "assignedRoles":[
        {
            "roleID":1,
            "roleName":"Admin",
            "roleDescription":"Admin"
        },
        {
            "roleID":3,
            "roleName":"Normal",
            "roleDescription":"Normal"
        }
    ]
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "restUrl":"https://webservice.example.com/authentication",
        "assignedRoles":[
            {
                "roleID":1,
                "roleName":"Admin",
                "roleDescription":"Admin"
            },
            {
                "roleID":3,
                "roleName":"Normal",
                "roleDescription":"Normal"
            }
        ],
        "restAuthConfigured":true
    }
}
```

Error Responses

- Status Code: 405 Method Not Allowed
- Status Code: 400 Bad Request

Request Parameter

Name	Type	Description	Required
restURL	String	URL of the REST service which will perform the authentication	Yes
assignedRoles	List of Role Objects	A list of roles and user types that will be affected by the REST authentication	Yes
roleID	Integer	Role ID	Yes
roleName	String	Name of the role	No
roleDescription	String	Describes the role	No
restAuthConfigured	Boolean	Indicates whether the REST authentication is enabled	Yes

availableUserTypes

Retrieves the available user types and roles from VidyoPortal. This information is needed in order to invoke the restAuthentication API.

- **Content Type**: Application/json
- **Supported Method**: GET
- **Sample URL**: http://yourfqdn/admin/service//availableUserTypes

GET

Sample Request

```
http://example.com/admin/service/availableUserTypes
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":[
        {
            "roleID":1,
            "roleName":"Admin",
            "roleDescription":"Admin"
        },
        {
            "roleID":2,
            "roleName":"Operator",
            "roleDescription":"Operator"
        },
        {
            "roleID":3,
            "roleName":"Normal",
            "roleDescription":"Normal"
        },
        {
            "roleID":4,
            "roleName":"VidyoRoom",
            "roleDescription":"VidyoRoom"
        },
        {
            "roleID":7,
            "roleName":"Executive",
            "roleDescription":"Executive"
        },
        {
            "roleID":8,
            "roleName":"VidyoPanorama",
            "roleDescription":"VidyoPanorama"
        }
    ]
}
```

Request Parameter

Name	Type	Description	Required
data	List of Role Objects	A list of user type and role objects	Yes
roleID	Integer	Role ID	Yes

Name	Type	Description	Required
roleName	String	Name of the role	No
roleDescription	String	Describes the role	No

localAuthentication

Enables local authentication.

- **Content Type**: Application/json
- **Supported Method**: POST
- **Sample URL**: http://yourfqdn/admin/service/localAuthentication

POST

Sample Request

```
http://example.com/admin/service/localAuthentication
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":null
}
```

samlMetadata

Allows Super Admins and Admins to set up SAML-based authentication.

- **Content Type**: Application/json
- **Supported Method**: GET, POST, and PUT
- **Sample URL**: http://yourfqdn/admin/service/samlMetadata

GET

Sample Request

```
http://example.com/admin/service/samlMetadata
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "entityId":"vcportalgh2.vidyoqa.lo",
        "securityProfile":"PKIX",
        "sslSecurityProfile":"PKIX",
        "signMetadata":false,
        "base64EncodedMetadata":"PD94bWwgdmVyc2lvbj0iMS4.."
    }
}
```

POST

Sample Request

```
{
    "entityId":"vcportalgh2.vidyoqa.lo",
    "securityProfile":"PKIX",
    "sslSecurityProfile":"PKIX",
    "signMetadata":false,
    "base64EncodedMetadata":"PD94bWwgdm.."
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "entityId":"vcportalgh2.vidyoqa.lo",
        "securityProfile":"PKIX",
        "sslSecurityProfile":"PKIX",
        "signMetadata":false,
        "base64EncodedMetadata":"PD94.."
    }
}
```

Error Response

Status Code: 405 Method Not Allowed

PUT

Sample Request

```
{
    "entityId":"vcportalgh2.vidyoqa.lo",
    "securityProfile":"PKIX",
    "sslSecurityProfile":"PKIX",
    "signMetadata":false,
    "base64EncodedMetadata":"PD94bWwgdm.."
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "entityId":"vcportalgh2.vidyoqa.lo",
        "securityProfile":"PKIX",
        "sslSecurityProfile":"PKIX",
        "signMetadata":false,
        "base64EncodedMetadata":"PD94.."
    }
}
```

Error Response

Status Code: 405 Method Not Allowed

Request Parameter

Name	Type	Description	Required
entityId	String	Entity ID of the SAML configuration	Yes
securityProfile	String	PKIX or METAIOP	Yes
sslSecurityProfile	String	PKIX or METAIOP	Yes
signMetadata	Boolean	Specifies a value of true or false	Yes
base64EncodeMetadata	String	Base64 encode IDP Metadata XML	Yes

samlAttributeMappings

Creates SAML attribute mappings for auto-provisioning.

- ■ **Content Type**: Application/json

- ■ **Supported Method**: GET, POST, and PUT

- ■ **Sample URL**: http://yourfqdn/admin/service/samlAttributeMappings

GET

Sample Request

```
http://example.com/admin/service/samlAttributeMappings
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "idpmappinglist":[
            {
                "mappingID":18,
                "tenantID":1,
                "vidyoAttributeName":"UserName",
                "idpAttributeName":"test",
                "defaultAttributeValue":""
            },
            {
                "mappingID":19,
                "tenantID":1,
                "vidyoAttributeName":"UserType",
                "idpAttributeName":"",
                "defaultAttributeValue":"Normal"
            },
            {
                "mappingID":20,
                "tenantID":1,
                "vidyoAttributeName":"DisplayName",
                "idpAttributeName":"",
                "defaultAttributeValue":""
            },
            {
                "mappingID":21,
                "tenantID":1,
                "vidyoAttributeName":"EmailAddress",
```

```
            "idpAttributeName":"",
            "defaultAttributeValue":"yourcompany.com"
        },
        {
            "mappingID":22,
            "tenantID":1,
            "vidyoAttributeName":"Extension",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":23,
            "tenantID":1,
            "vidyoAttributeName":"Group",
            "idpAttributeName":"",
            "defaultAttributeValue":"Default"
        },
        {
            "mappingID":24,
            "tenantID":1,
            "vidyoAttributeName":"Description",
            "idpAttributeName":"",
            "defaultAttributeValue":"Idp Provisioned User"
        },
        {
            "mappingID":25,
            "tenantID":1,
            "vidyoAttributeName":"Proxy",
            "idpAttributeName":"",
            "defaultAttributeValue":"No Proxy"
        },
        {
            "mappingID":26,
            "tenantID":1,
            "vidyoAttributeName":"LocationTag",
            "idpAttributeName":"",
            "defaultAttributeValue":"Default"
        },
        {
            "mappingID":27,
            "tenantID":1,
            "vidyoAttributeName":"PhoneNumber1",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":28,
            "tenantID":1,
            "vidyoAttributeName":"PhoneNumber2",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
```

```
        {
            "mappingID":29,
            "tenantID":1,
            "vidyoAttributeName":"PhoneNumber3",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":31,
            "tenantID":1,
            "vidyoAttributeName":"Department",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":32,
            "tenantID":1,
            "vidyoAttributeName":"Title",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":33,
            "tenantID":1,
            "vidyoAttributeName":"IM",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        },
        {
            "mappingID":34,
            "tenantID":1,
            "vidyoAttributeName":"Location",
            "idpAttributeName":"",
            "defaultAttributeValue":""
        }
    ]
    }
}
```

POST

Sample Request

```
{
    "idpmappinglist":[
        {
            "mappingID":18,
            "tenantID":1,
            "vidyoAttributeName":"UserName",
            "idpAttributeName":"test",
            "defaultAttributeValue":""
        },
        {
            "mappingID":19,
            "tenantID":1,
            "vidyoAttributeName":"UserType",
            "idpAttributeName":"",
            "defaultAttributeValue":"Normal"
        }
    ]
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "idpmappinglist":[
            {
                "mappingID":18,
                "tenantID":1,
                "vidyoAttributeName":"UserName",
                "idpAttributeName":"test",
                "defaultAttributeValue":""
            },
            {
                "mappingID":19,
                "tenantID":1,
                "vidyoAttributeName":"UserType",
                "idpAttributeName":"",
                "defaultAttributeValue":"Normal"
            }
        ]
    }
}
```

PUT

Sample Request

```
{
    "idpmappinglist":[
        {
            "mappingID":18,
            "tenantID":1,
            "vidyoAttributeName":"UserName",
            "idpAttributeName":"test",
            "defaultAttributeValue":""
        },
        {
            "mappingID":19,
            "tenantID":1,
            "vidyoAttributeName":"UserType",
            "idpAttributeName":"",
            "defaultAttributeValue":"Normal"
        }
    ]
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "idpmappinglist":[
            {
                "mappingID":18,
                "tenantID":1,
                "vidyoAttributeName":"UserName",
                "idpAttributeName":"test",
                "defaultAttributeValue":""
            },
            {
                "mappingID":19,
                "tenantID":1,
                "vidyoAttributeName":"UserType",
                "idpAttributeName":"",
                "defaultAttributeValue":"Normal"
            }
        ]
    }
}
```

Request Parameter

Name	Type	Description	Required
MappingID	String	ID	Yes
vidyoAttributeName	String	The attribute name that Vidyo uses	Yes
idpAttributeName	String	The IDP/IDAP attribute that will be mapped to the name of the Vidyo attribute	Yes
defaultAttributeValue	Boolean	Default value if nothing is mapped	No
tenantID	Integer	Tenant ID	Yes

samlAdditionalAttributeMappings

Creates additional SAML attribute mappings needed for auto-provisioning, such as user type, group, etc.

- **Content Type**: Application/json
- **Supported Method**: GET, PUT, and DELETE
- **Sample URL**: http://yourfqdn/admin/service/samlAttributeMappings/

GET

URL Parameter

```
http://yourfqdn/admin/service/samlAttributeMappings/{mappingID}
```

Sample Request

```
http://example.com/admin/service/samlAdditionalAttributeMappings/19
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "idpvaluemappinglist":[
            {
                "valueID":2,
                "mappingID":19,
                "vidyoValueName":"Executive",
                "idpValueName":""
```

```
        },
        {
            "valueID":1,
            "mappingID":19,
            "vidyoValueName":"Normal",
            "idpValueName":""
        }
    ]
    }
}
```

PUT

Sample Request

```
{
    "idpvaluemappinglist":[
        {
            "valueID":2,
            "mappingID":19,
            "vidyoValueName":"Executive",
            "idpValueName":""
        },
        {
            "valueID":1,
            "mappingID":19,
            "vidyoValueName":"Normal",
            "idpValueName":""
        }
    ]
}
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"OK"
    },
    "data":{
        "idpvaluemappinglist":[
            {
                "valueID":2,
                "mappingID":19,
                "vidyoValueName":"Executive",
                "idpValueName":""
            },
            {
                "valueID":1,
                "mappingID":19,
                "vidyoValueName":"Normal",
```

```
            "idpValueName":""
        }
    ]
}
}
```

DELETE

URL Parameter

```
http://yourfqdn/admin/service/samlAttributeMappings/{valueID}
```

Sample Request

```
http://example.com/admin/service/samlAdditionalAttributeMappings/2
```

Sample Response

```
{
    "status":{
        "code":"200",
        "message":"Deleted Successfully"
    },
    "data":null
}
```

Request Parameter

Name	Type	Description	Required
valueID	String	ID	Yes
mappingID	String	Attribute mapping ID	Yes
vidyoValueName	String	Name of the Vidyo attribute	No
idpValueName	Boolean	Name of the IDP value	Yes