

Speakserv API

Integration Options for Partners

Introduction

This document outlines the details of the Speakserve API and how to make use of it as a partner to setup conference rooms. The Partner API is SOAP based web service. There is an additional HTTP based service that is also in use but it returns raw XML and is for server to server communication only.

The API methods exposed should allow for sufficient integration to create conferencing solution making use of the Speakserve conferencing bridge but further API methods can be made available where the partner solution involves further complexity.

API Endpoint

The endpoint for the API is:

<https://api.speakserve.com/partnerservice/core.asmx?wsdl>

API Methods

Below are the methods to be able to create / update rooms and retrieve details of a room for verification.

PersistConferenceRoom

This method creates / updates a room.

Input Parameter

The method takes a single input parameter of a **PersistRoomRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room. If you are creating a new room this should be empty or null . If you are updating a room then this needs to be the room number you wish to update.
PIN	The User PIN you would like to set. This needs to be 4 numbers .
ChairmanPIN	The PIN for the Chairperson if you are creating a room of type Chairman, Lecture Service or Moderated
RecordCalls	Whether to record the conference call. The value should be Yes or No
OwnerEmail	The email address where any call recordings are to be emailed to once the call ends.
PlayAnnouncements	Whether to play the recorded name of each participant as they join the conference. The

	value should be Yes or No
MaximumAttendees	An integer value with a maximum of 400.
RoomName	The name for the room.
DialInNumber	The dial in number for the conference.
RoomType	This is an enumeration describing the type of room (and therefore the type of call). The values are: Normal - standard conference room without a chair Chairman - chairman call where the conference only starts when the chair dials in Lecture Service - Similar to Chairman except all participants are muted by default Moderated - Moderated call where someone from Speakserve is running the call along side the client.

We will send you the Authentication Token, Dial In Numbers and the Partner ID fields once your account is setup.

Output

The output from the method is a **String** value containing the **6 digit** room number that has been created or updated.

If there is an authentication error then an exception will be thrown.

If there is an error creating the room then an exception with details of the issue will be thrown.

DeleteConferenceRoom

This method marks a room as deleted in the system.

Input Parameter

The method takes a single input parameter of a **RoomRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
DialInNumber	The primary dial in number for the room

We will send you the Authentication Token, Dial In Numbers and the Partner ID fields once your account is setup.

Output

The output from the method is a **String** value containing the **6 digit** room number that has been deleted.

If there is an authentication error then an exception will be thrown.

If there is an error deleting the room then an exception with details of the issue will be thrown.

GetConferenceRoom

This method returns all the details of a room.

Input Parameter

The method takes a single input parameter of a **RoomRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
DialInNumber	The primary dial in number for the room

We will send you the Authentication Token, Dial In Numbers and the Partner ID fields once your account is setup.

Output

The output from the method is a **RoomDetailsResponse** object. The properties for the object are as follows:

Property Name	Description
PIN	The User PIN you would like to set. This needs to be 4 numbers .
ChairmanPIN	The PIN for the Chairperson if you are creating a room of type Chairman, Lecture Service or Moderated
RecordCalls	Whether to record the conference call. The value should be Yes or No
OwnerEmail	The email address where any call recordings are to be emailed to once the call ends.
PlayAnnouncements	Whether to play the recorded name of each participant as they join the conference. The value should be Yes or No

MaximumAttendees	An integer value with a maximum of 400.
RoomName	The name for the room.
DialInNumber	The dial in number for the conference.
RoomType	This is an enumeration describing the type of room (and therefore the type of call).

If there is an authentication error then an exception will be thrown.

If there is a problem retrieving the room details an exception will be thrown.

If the room does not exist a null object will be returned.

GetCallsForRoom

The method returns a list of all calls made in a conference room over a specified length of time.

Input Parameter

The method takes a single input parameter of a **CallDetailRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
FilterStartTime	Date / Time object with start of the search time period
FilterEndTime	Date / Time object with end of the search time period
DialInNumber	The primary dial in number for the room

We will send you the Authentication Token, Dial In Numbers and the Partner ID fields once your account is setup.

Output

The output from the method is an array of **CallDetailsResponse** objects. The properties for the object are as follows:

Property Name	Description
CallReferemce	The unique referece for the call
CallStartTime	The start date & time for the call
Duration	The duration of the conference call
CallRecordingUrl	The Uri to access the call recording

f there is an authentication error then an exception will be thrown.

If there is a problem retrieving the call details an exception will be thrown.

If there are no calls to return an array of length 0 will be returned.

DialParticipant

This method makes an inbound and outbound call to a participant to add them to the conference in a specified room

Input Parameter

The method takes a single input parameter of a **ParticipantCallRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
NumberToDial	The number of the participant to dial
DialInNumber	The normal inbound dial in number assigned to the room
Direction	A string value of "In" or "Out" to denote whether the call was made into the conference or whether the participant was dialled out.

We will send you the Authentication Token and the Partner ID fields once your account is setup.

Output

The output from the method is a **Boolean** value indicating whether the call has been initiated.

If there is an authentication error then an exception will be thrown.

If there is an error initiating the call then an exception with details of the issue will be thrown.

BatchDialParticipant

This method makes an outbound call to a specified number of participants to add them to the conference in a specified room

Input Parameter

The method takes a single input parameter of a **BatchParticipantCallRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
NumbersToDial	An array of numbers of all the participants to dial
DialInNumber	The normal inbound dial in number assigned to the room
Direction	A string value of "In" or "Out" to denote whether the call was made into the conference or whether the participant was dialled out.

We will send you the Authentication Token and the Partner ID fields once your account is setup.

Output

The output from the method is a **Boolean** value indicating whether the call has been initiated.

If there is an authentication error then an exception will be thrown.

If there is an error initiating the call then an exception with details of the issue will be thrown.

GetParticipantCallStatus

This method returns the current status of a call leg made into the conference whether it was dialled outbound or inbound into the conference

Input Parameter

The method takes a single input parameter of a **ParticipantCallRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
NumberToDial	The number of the participant to dial
DialInNumber	The normal inbound dial in number assigned to the room
Direction	A string value of "In" or "Out" to denote whether the call was made into the conference or whether the participant was dialled out.

We will send you the Authentication Token and the Partner ID fields once your account is setup.

Output

The output from the method is a **ParticipantCallResponse** object providing details of the call. The properties for the object are:

Property Name	Description
CurrentStatus	An enum returning either InProgress or Ended as a value
TimeEnded	A nullable date/time field which is populated with the time the call ended if the status is returned as ended.

If there is an authentication error then an exception will be thrown.

If there is an error initiating the call then an exception with details of the issue will be thrown.

GetAllParticipantCallStatus

This method returns the current status of a call leg made into the conference whether it was dialled outbound or inbound into the conference

Input Parameter

The method takes a single input parameter of a **BatchParticipantCallRequest** object. The properties for the object are as follows:

Property Name	Description
AuthenticationToken	The partner authentication token issued by Speakserve
PartnerID	The unique partner identifier
RoomNumber	The number of the room.
NumbersToDial	An array of numbers of all the participants to dial
DialInNumber	The normal inbound dial in number assigned to the room
Direction	A string value of "In" or "Out" to denote whether the call was made into the conference or whether the participant was dialled out.

We will send you the Authentication Token and the Partner ID fields once your account is setup.

Output

The output from the method is an **Array of ParticipantCallResponse** object providing details of the call. The properties for the object are:

Property Name	Description
CurrentStatus	An enum returning either InProgress or Ended as a value
TimeEnded	A nullable date/time field which is populated with the time the call ended if the status is returned as ended.

NumberDialled	The number of the participant
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If there is an authentication error then an exception will be thrown.

If there is an error initiating the call then an exception with details of the issue will be thrown.