



API Reference

Amazon Connect Participant Service



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Amazon Connect Participant Service: API Reference

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Welcome

- [Participant Service actions](#)
- [Participant Service data types](#)

Use the Connect Customer Participant Service to manage participants (for example, agents, customers, and managers listening in), and to send messages and events within a chat contact. The APIs in the service enable the following: sending chat messages, attachment sharing, managing a participant's connection state and message events, and retrieving chat transcripts.

This document was last published on August 21, 2026.

Actions

The following actions are supported:

- [CancelParticipantAuthentication](#)
- [CompleteAttachmentUpload](#)
- [CreateParticipantConnection](#)
- [DescribeView](#)
- [DisconnectParticipant](#)
- [GetAttachment](#)
- [GetAuthenticationUrl](#)
- [GetTranscript](#)
- [SendEvent](#)
- [SendMessage](#)
- [StartAttachmentUpload](#)

CancelParticipantAuthentication

Cancels the authentication session. The opted out branch of the Authenticate Customer flow block will be taken.

Note

The current supported channel is chat. This API is not supported for Apple Messages for Business, WhatsApp, or SMS chats.

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/cancel-authentication HTTP/1.1
```

```
X-Amz-Bearer: ConnectionToken
```

```
Content-type: application/json
```

```
{  
  "SessionId": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

SessionId

The sessionId provided in the authenticationInitiated event.

Type: String

Length Constraints: Fixed length of 36.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CompleteAttachmentUpload

Allows you to confirm that the attachment has been uploaded using the pre-signed URL provided in StartAttachmentUpload API. A conflict exception is thrown when an attachment with that identifier is already being uploaded.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/complete-attachment-upload HTTP/1.1
```

```
X-Amz-Header: ConnectionToken
```

```
Content-type: application/json
```

```
{  
  "AttachmentIds": [ "string" ],  
  "ClientToken": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttachmentIds

A list of unique identifiers for the attachments.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS SDK populates this field. For more information about idempotency, see [Making retries safe with idempotent APIs](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The requested operation conflicts with the current state of a service resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ServiceQuotaExceededException

The number of attachments per contact exceeds the quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateParticipantConnection

Creates the participant's connection.

For security recommendations, see [Connect Customer Chat security best practices](#).

For WebRTC security recommendations, see [Connect Customer WebRTC security best practices](#).

Note

ParticipantToken is used for invoking this API instead of ConnectionToken.

The participant token is valid for the lifetime of the participant – until they are part of a contact. For WebRTC participants, if they leave or are disconnected for 60 seconds, a new participant needs to be created using the [CreateParticipant](#) API.

For WEBSOCKET Type:

The response URL for has a connect expiry timeout of 100s. Clients must manually connect to the returned websocket URL and subscribe to the desired topic.

For chat, you need to publish the following on the established websocket connection:

```
{"topic": "aws/subscribe", "content": {"topics": ["aws/chat"]}}
```

Upon websocket URL expiry, as specified in the response ConnectionExpiry parameter, clients need to call this API again to obtain a new websocket URL and perform the same steps as before.

The expiry time for the connection token is different than the ChatDurationInMinutes. Expiry time for the connection token is 1 day.

For WEBRTC_CONNECTION Type:

The response includes connection data required for the client application to join the call using the Amazon Chime SDK client libraries. The WebRTCConnection response contains Meeting and Attendee information needed to establish the media connection.

The attendee join token in WebRTCConnection response is valid for the lifetime of the participant in the call. If a participant leaves or is disconnected for 60 seconds, their participant credentials will no longer be valid, and a new participant will need to be created to rejoin the call.

Message streaming support: This API can also be used together with the [StartContactStreaming](#) API to create a participant connection for chat contacts that are not using a websocket. For more information about message streaming, [Enable real-time chat message streaming](#) in the *Amazon Connect Administrator Guide*.

Multi-user web, in-app, video calling support:

For WebRTC calls, this API is used in conjunction with the CreateParticipant API to enable multi-party calling. The StartWebRTCContact API creates the initial contact and routes it to an agent, while CreateParticipant adds additional participants to the ongoing call. For more information about multi-party WebRTC calls, see [Enable multi-user web, in-app, and video calling](#) in the *Amazon Connect Administrator Guide*.

Feature specifications: For information about feature specifications, such as the allowed number of open websocket connections per participant or maximum number of WebRTC participants, see [Feature specifications](#) in the *Amazon Connect Administrator Guide*.

Note

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/connection HTTP/1.1
X-Amz-Header: ParticipantToken
Content-type: application/json

{
  "ConnectParticipant": boolean,
  "Type": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

[ParticipantToken](#)

This is a header parameter.

The ParticipantToken as obtained from [StartChatContact](#) API response.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

[ConnectParticipant](#)

Amazon Connect Participant is used to mark the participant as connected for customer participant in message streaming, as well as for agent or manager participant in non-streaming chats.

Type: Boolean

Required: No

[Type](#)

Type of connection information required. If you need CONNECTION_CREDENTIALS along with marking participant as connected, pass CONNECTION_CREDENTIALS in Type.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: WEBSOCKET | CONNECTION_CREDENTIALS | WEBRTC_CONNECTION

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "ConnectionCredentials": {
    "ConnectionToken": "string",
    "Expiry": "string"
```

```
{,
  "WebRTCConnection": {
    "Attendee": {
      "AttendeeId": "string",
      "JoinToken": "string"
    },
    "Meeting": {
      "MediaPlacement": {
        "AudioFallbackUrl": "string",
        "AudioHostUrl": "string",
        "EventIngestionUrl": "string",
        "SignalingUrl": "string"
      },
      "MeetingFeatures": {
        "Audio": {
          "EchoReduction": "string"
        }
      },
      "MeetingId": "string"
    }
  },
  "Websocket": {
    "ConnectionExpiry": "string",
    "Url": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectionCredentials

Creates the participant's connection credentials. The authentication token associated with the participant's connection.

Type: [ConnectionCredentials](#) object

WebRTCConnection

Creates the participant's WebRTC connection data required for the client application (mobile application or website) to connect to the call.

Type: [WebRTCConnection](#) object

[Websocket](#)

Creates the participant's websocket connection.

Type: [Websocket](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeView

Retrieves the view for the specified view token.

For security recommendations, see [Connect Customer Chat security best practices](#).

Request Syntax

```
GET /participant/views/ViewToken HTTP/1.1
X-Amz-Header: ConnectionToken
```

URI Request Parameters

The request uses the following URI parameters.

ConnectionToken

The connection token.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

ViewToken

An encrypted token originating from the interactive message of a ShowView block operation. Represents the desired view.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
  "View": {
    "Arn": "string",
    "Content": {
      "Actions": [ "string" ],
      "InputSchema": "string",
      "Template": "string"
    },
    "Id": "string",
    "Name": "string",
    "Version": number
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

View

A view resource object. Contains metadata and content necessary to render the view.

Type: [View](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ResourceNotFoundException

The resource was not found.

ResourceId

The identifier of the resource.

ResourceType

The type of Connect Customer resource.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisconnectParticipant

Disconnects a participant.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/disconnect HTTP/1.1
X-Amz-Header: ConnectionToken
Content-type: application/json

{
  "ClientToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS SDK populates this field. For more information about idempotency, see [Making retries safe with idempotent APIs](#).

Type: String

Length Constraints: Maximum length of 500.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetAttachment

Provides a pre-signed URL for download of a completed attachment. This is an asynchronous API for use with active contacts.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

- The participant role CUSTOM_BOT is not permitted to access attachments customers may upload. An AccessDeniedException can indicate that the participant may be a CUSTOM_BOT, and it doesn't have access to attachments.
- ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/attachment HTTP/1.1
X-Amz-Bearer: ConnectionToken
Content-type: application/json

{
  "AttachmentId": "string",
  "UrlExpiryInSeconds": number
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttachmentId

A unique identifier for the attachment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

UrlExpiryInSeconds

The expiration time of the URL in ISO timestamp. It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: Integer

Valid Range: Minimum value of 5. Maximum value of 300.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AttachmentSizeInBytes": number,
  "Url": "string",
  "UrlExpiry": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttachmentSizeInBytes

The size of the attachment in bytes.

Type: Long

Valid Range: Minimum value of 1.

Url

This is the pre-signed URL that can be used for uploading the file to Amazon S3 when used in response to [StartAttachmentUpload](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

UrlExpiry

The expiration time of the URL in ISO timestamp. It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetAuthenticationUrl

Retrieves the AuthenticationUrl for the current authentication session for the AuthenticateCustomer flow block.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

- This API can only be called within one minute of receiving the authenticationInitiated event.
- The current supported channel is chat. This API is not supported for Apple Messages for Business, WhatsApp, or SMS chats.

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/authentication-url HTTP/1.1
```

```
X-Amz-Bearer: ConnectionToken
```

```
Content-type: application/json
```

```
{  
  "RedirectUri": "string",  
  "SessionId": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

ConnectionToken

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

RedirectUri

The URL where the customer will be redirected after Amazon Cognito authorizes the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

SessionId

The sessionId provided in the authenticationInitiated event.

Type: String

Length Constraints: Fixed length of 36.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AuthenticationUrl": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AuthenticationUrl

The URL where the customer will sign in to the identity provider. This URL contains the authorize endpoint for the Cognito UserPool used in the authentication.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2083.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetTranscript

Retrieves a transcript of the session, including details about any attachments. For information about accessing past chat contact transcripts for a persistent chat, see [Enable persistent chat](#).

For security recommendations, see [Connect Customer Chat security best practices](#).

If you have a process that consumes events in the transcript of an chat that has ended, note that chat transcripts contain the following event content types if the event has occurred during the chat session:

- `application/vnd.amazonaws.connect.event.participant.invited`
- `application/vnd.amazonaws.connect.event.participant.joined`
- `application/vnd.amazonaws.connect.event.participant.left`
- `application/vnd.amazonaws.connect.event.chat.ended`
- `application/vnd.amazonaws.connect.event.transfer.succeeded`
- `application/vnd.amazonaws.connect.event.transfer.failed`

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/transcript HTTP/1.1
```

```
X-Amz-Header: ConnectionToken
```

```
Content-type: application/json
```

```
{
  "ContactId": "string",
  "MaxResults": number,
  "NextToken": "string",
  "ScanDirection": "string",
  "SortOrder": "string",
```

```
"StartPosition": {  
  "AbsoluteTime": "string",  
  "Id": "string",  
  "MostRecent": number  
}  
}
```

URI Request Parameters

The request uses the following URI parameters.

ConnectionToken

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ContactId

The contactId from the current contact chain for which transcript is needed.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

MaxResults

The maximum number of results to return in the page. Default: 10.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

NextToken

The pagination token. Use the value returned previously in the next subsequent request to retrieve the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

ScanDirection

The direction from StartPosition from which to retrieve message. Default: BACKWARD when no StartPosition is provided, FORWARD with StartPosition.

Type: String

Valid Values: FORWARD | BACKWARD

Required: No

SortOrder

The sort order for the records. Default: DESCENDING.

Type: String

Valid Values: DESCENDING | ASCENDING

Required: No

StartPosition

A filtering option for where to start.

Type: [StartPosition](#) object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```



```

{
  "InitialContactId": "string",
  "NextToken": "string",
  "Transcript": [
    {
      "AbsoluteTime": "string",
      "Attachments": [
        {
          "AttachmentId": "string",
          "AttachmentName": "string",
          "ContentType": "string",
          "Status": "string"
        }
      ],
      "ContactId": "string",
      "Content": "string",
      "ContentType": "string",
      "DisplayName": "string",
      "Id": "string",
      "MessageMetadata": {
        "MessageId": "string",
        "MessageProcessingStatus": "string",
        "Receipts": [
          {
            "DeliveredTimestamp": "string",
            "ReadTimestamp": "string",
            "RecipientParticipantId": "string"
          }
        ]
      },
      "ParticipantId": "string",
      "ParticipantRole": "string",
      "RelatedContactId": "string",
      "Type": "string"
    }
  ]
}

```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

InitialContactId

The initial contact ID for the contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

NextToken

The pagination token. Use the value returned previously in the next subsequent request to retrieve the next set of results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Transcript

The list of messages in the session.

Type: Array of [Item](#) objects

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

SendEvent

Note

The `application/vnd.amazonaws.connect.event.connection.acknowledged.ContentType` is no longer maintained since December 31, 2024. This event has been migrated to the [CreateParticipantConnection](#) API using the `ConnectParticipant` field.

Sends an event. Message receipts are not supported when there are more than two active participants in the chat. Using the `SendEvent` API for message receipts when a supervisor is barged-in will result in a conflict exception.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

`ConnectionToken` is used for invoking this API instead of `ParticipantToken`.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/event HTTP/1.1
X-Amz-Bearer: ConnectionToken
Content-type: application/json
```

```
{
  "ClientToken": "string",
  "Content": "string",
  "ContentType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ConnectionToken

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS SDK populates this field. For more information about idempotency, see [Making retries safe with idempotent APIs](#).

Type: String

Length Constraints: Maximum length of 500.

Required: No

Content

The content of the event to be sent (for example, message text). For content related to message receipts, this is supported in the form of a JSON string.

Sample Content: "{\\"messageId\\":\\"11111111-aaaa-bbbb-cccc-EXAMPLE01234\\"}"

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

ContentType

The content type of the request. Supported types are:

- application/vnd.amazonaws.connect.event.typing
- application/vnd.amazonaws.connect.event.connection.acknowledged (is no longer maintained since December 31, 2024)

- application/vnd.amazonaws.connect.event.message.delivered
- application/vnd.amazonaws.connect.event.message.read

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AbsoluteTime": "string",
  "Id": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[AbsoluteTime](#)

The time when the event was sent.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

[Id](#)

The ID of the response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The requested operation conflicts with the current state of a service resource associated with the request.

HTTP Status Code: 409

InternalServerError

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

SendMessage

Sends a message.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/message HTTP/1.1
X-Amz-Bearer: ConnectionToken
Content-type: application/json
```

```
{
  "ClientToken": "string",
  "Content": "string",
  "ContentType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS SDK populates this field. For more information about idempotency, see [Making retries safe with idempotent APIs](#).

Type: String

Length Constraints: Maximum length of 500.

Required: No

Content

The content of the message. Maximum of 16,384 bytes for all content types (text/plain, text/markdown, application/json, and application/vnd.amazonaws.connect.message.interactive.response).

Some messaging channels enforce lower limits. For channel-specific message size limits, see [Chat message size limits by channel](#) in the *Amazon Connect Customer Administrator Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: Yes

ContentType

The type of the content. Possible types are text/plain, text/markdown, application/json, and application/vnd.amazonaws.connect.message.interactive.response.

Supported types on the contact are configured through SupportedMessagingContentTypes on [StartChatContact](#) and [StartOutboundChatContact](#).

For Apple Messages for Business, SMS, and WhatsApp Business Messaging contacts, only text/plain is supported.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
  "AbsoluteTime": "string",
  "Id": "string",
  "MessageMetadata": {
    "MessageProcessingStatus": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[AbsoluteTime](#)

The time when the message was sent.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

[Id](#)

The ID of the message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

[MessageMetadata](#)

Contains metadata for the message.

Type: [MessageProcessingMetadata](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StartAttachmentUpload

Provides a pre-signed Amazon S3 URL in response for uploading the file directly to S3.

For security recommendations, see [Connect Customer Chat security best practices](#).

Note

ConnectionToken is used for invoking this API instead of ParticipantToken.

The Amazon Connect Participant Service APIs do not use [Signature Version 4 authentication](#).

Request Syntax

```
POST /participant/start-attachment-upload HTTP/1.1
```

```
X-Amz-Header: ConnectionToken
```

```
Content-type: application/json
```

```
{
  "AttachmentName": "string",
  "AttachmentSizeInBytes": number,
  "ClientToken": "string",
  "ContentType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

[ConnectionToken](#)

The authentication token associated with the participant's connection.

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Request Body

The request accepts the following data in JSON format.

AttachmentName

A case-sensitive name of the attachment being uploaded.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

AttachmentSizeInBytes

The size of the attachment in bytes.

Type: Long

Valid Range: Minimum value of 1.

Required: Yes

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS SDK populates this field. For more information about idempotency, see [Making retries safe with idempotent APIs](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

ContentType

Describes the MIME file type of the attachment. For a list of supported file types, see [Feature specifications](#) in the *Amazon Connect Administrator Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "AttachmentId": "string",
  "UploadMetadata": {
    "HeadersToInclude": {
      "string" : "string"
    },
    "Url": "string",
    "UrlExpiry": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

[AttachmentId](#)

A unique identifier for the attachment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

[UploadMetadata](#)

The headers to be provided while uploading the file to the URL.

Type: [UploadMetadata](#) object

Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

This exception occurs when there is an internal failure in the Amazon Connect service.

HTTP Status Code: 500

ServiceQuotaExceededException

The number of attachments per contact exceeds the quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by Amazon Connect.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The Amazon Connect Participant Service API contains several data types that various actions use. This section describes each data type in detail.

Note

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [AttachmentItem](#)
- [Attendee](#)
- [AudioFeatures](#)
- [ConnectionCredentials](#)
- [Item](#)
- [MeetingFeaturesConfiguration](#)
- [MessageMetadata](#)
- [MessageProcessingMetadata](#)
- [Receipt](#)
- [StartPosition](#)
- [UploadMetadata](#)
- [View](#)
- [ViewContent](#)
- [WebRTCConnection](#)
- [WebRTCMediaPlacement](#)
- [WebRTCMeeting](#)
- [Websocket](#)

AttachmentItem

The case-insensitive input to indicate standard MIME type that describes the format of the file that will be uploaded.

Contents

AttachmentId

A unique identifier for the attachment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

AttachmentName

A case-sensitive name of the attachment being uploaded.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ContentType

Describes the MIME file type of the attachment. For a list of supported file types, see [Feature specifications](#) in the *Amazon Connect Administrator Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

Status

Status of the attachment.

Type: String

Valid Values: APPROVED | REJECTED | IN_PROGRESS

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Attendee

The attendee information, including attendee ID and join token.

Contents

AttendeeId

The Amazon Chime SDK attendee ID.

Type: String

Required: No

JoinToken

The join token used by the Amazon Chime SDK attendee.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AudioFeatures

Has audio-specific configurations as the operating parameter for Echo Reduction.

Contents

EchoReduction

Makes echo reduction available to clients who connect to the meeting.

Type: String

Valid Values: AVAILABLE | UNAVAILABLE

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectionCredentials

Connection credentials.

Contents

ConnectionToken

The connection token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Expiry

The expiration of the token.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Item

An item - message or event - that has been sent.

Contents

AbsoluteTime

The time when the message or event was sent.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Attachments

Provides information about the attachments.

Type: Array of [AttachmentItem](#) objects

Required: No

ContactId

The contactId on which the transcript item was originally sent. This field is populated only when the transcript item is from the current chat session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Content

The content of the message or event.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

ContentType

The type of content of the item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

DisplayName

The chat display name of the sender.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Id

The ID of the item.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

MessageMetadata

The metadata related to the message. Currently this supports only information related to message receipts.

Type: [MessageMetadata](#) object

Required: No

ParticipantId

The ID of the sender in the session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

ParticipantRole

The role of the sender. For example, is it a customer, agent, or system.

Type: String

Valid Values: AGENT | CUSTOMER | SYSTEM | CUSTOM_BOT | SUPERVISOR

Required: No

RelatedContactId

The contactId on which the transcript item was originally sent. This field is only populated for persistent chats when the transcript item is from the past chat session. For more information, see [Enable persistent chat](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Type

Type of the item: message or event.

Type: String

Valid Values: TYPING | PARTICIPANT_JOINED | PARTICIPANT_LEFT | CHAT_ENDED | TRANSFER_SUCCEEDED | TRANSFER_FAILED | MESSAGE | EVENT | ATTACHMENT | CONNECTION_ACK | MESSAGE_DELIVERED | MESSAGE_READ

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MeetingFeaturesConfiguration

The configuration settings of the features available to a meeting.

Contents

Audio

The configuration settings for the audio features available to a meeting.

Type: [AudioFeatures](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MessageMetadata

Contains metadata related to a message.

Contents

MessageId

The identifier of the message that contains the metadata information.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

MessageProcessingStatus

The status of Message Processing for the message.

Type: String

Valid Values: PROCESSING | FAILED | REJECTED

Required: No

Receipts

The list of receipt information for a message for different recipients.

Type: Array of [Receipt](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MessageProcessingMetadata

Contains metadata for chat messages.

Contents

MessageProcessingStatus

The status of Message Processing for the message.

Type: String

Valid Values: PROCESSING | FAILED | REJECTED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Receipt

The receipt for the message delivered to the recipient.

Contents

DeliveredTimestamp

The time when the message was delivered to the recipient.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

ReadTimestamp

The time when the message was read by the recipient.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

RecipientParticipantId

The identifier of the recipient of the message.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

StartPosition

A filtering option for where to start. For example, if you sent 100 messages, start with message 50.

Contents

AbsoluteTime

The time in ISO format where to start.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Id

The ID of the message or event where to start.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

MostRecent

The start position of the most recent message where you want to start.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UploadMetadata

Fields to be used while uploading the attachment.

Contents

HeadersToInclude

The headers to be provided while uploading the file to the URL.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Value Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

Url

This is the pre-signed URL that can be used for uploading the file to Amazon S3 when used in response to [StartAttachmentUpload](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

UrlExpiry

The expiration time of the URL in ISO timestamp. It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

View

A view resource object. Contains metadata and content necessary to render the view.

Contents

Arn

The Amazon Resource Name (ARN) of the view.

Type: String

Required: No

Content

View content containing all content necessary to render a view except for runtime input data.

Type: [ViewContent](#) object

Required: No

Id

The identifier of the view.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Pattern: `^[a-zA-Z0-9_\-\:\/$]+$`

Required: No

Name

The name of the view.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^([\p{L}\p{N}_.\:\/=+\-@()'])+([\p{L}\p{Z}\p{N}_.\:\/=+\-@()']*)*$`

Required: No

Version

The current version of the view.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ViewContent

View content containing all content necessary to render a view except for runtime input data.

Contents

Actions

A list of actions possible from the view

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^([\p{L}\p{N}_.:\/=+\-@()'])+([\p{L}\p{Z}\p{N}_.:\/=+\-@()']*)*$`

Required: No

InputSchema

The schema representing the input data that the view template must be supplied to render.

Type: String

Required: No

Template

The view template representing the structure of the view.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WebRTCConnection

Creates the participant's WebRTC connection data required for the client application (mobile or web) to connect to the call.

Contents

Attendee

The attendee information, including attendee ID and join token.

Type: [Attendee](#) object

Required: No

Meeting

A meeting created using the Amazon Chime SDK.

Type: [WebRTCMeeting](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WebRTCMediaPlacement

A set of endpoints used by clients to connect to the media service group for an Amazon Chime SDK meeting.

Contents

AudioFallbackUrl

The audio fallback URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

AudioHostUrl

The audio host URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

EventIngestionUrl

The event ingestion URL to which you send client meeting events.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

SignalingUrl

The signaling URL.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

WebRTCMeeting

A meeting created using the Amazon Chime SDK.

Contents

MediaPlacement

The media placement for the meeting.

Type: [WebRTCMediaPlacement](#) object

Required: No

MeetingFeatures

The configuration settings of the features available to a meeting.

Type: [MeetingFeaturesConfiguration](#) object

Required: No

MeetingId

The Amazon Chime SDK meeting ID.

Type: String

Pattern: `[a-fA-F0-9]{8}(:-[a-fA-F0-9]{4}){3}-[a-fA-F0-9]{12}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Websocket

The websocket for the participant's connection.

Contents

ConnectionExpiry

The URL expiration timestamp in ISO date format.

It's specified in ISO 8601 format: yyyy-MM-ddThh:mm:ss.SSSZ. For example, 2019-11-08T02:41:28.172Z.

Type: String

Required: No

Url

The URL of the websocket.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400