

ADOBE® FLASH® MEDIA GATEWAY 2.0

CONTROL SERVICE API REFERENCE

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Adobe® Flash® Media Gateway SSAS Control Service API Reference for Windows®.

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Contents

Acronyms

1

Introduction

2

SSAS API Descriptions

2

Methods

2

CallControlService.setLogLevel(level)

2

CallControlService.setServer(p_client)

2

CallControlService.createLeg(endPointAddress, [contextName], [callerName], callerId)

2

CallControlService.moveLeg(legID, moveTo, moveToArguments)

3

CallControlService.hangupLeg(legID)

4

Response Handler

4

CallControlService.onResponse(info)

4

Acronyms

FMG	Flash Media Gateway
SIP	Session Initiation Protocol
RTP	Real Time Protocol
RTMP	Real Time Messaging Protocol
DTMF	Dual-tone Multi-Frequency
FMS	Flash Media Server
UAC	User Agent Client
UAS	User Agent Server

Introduction

SSAS Control Service API is a server (*Adobe® Flash® Media Server® - FMS*)-side *ActionScript® 3.0* API. It provides an interface to receive privileged events on the server and initiate actions. These actions include deleting specific call legs, changing the workflow of any active call leg, or creating a new call leg, on any supported protocol plugin such as SIP or RTMP. The scope of Control API is not bound by any specific Leg Service at the FMG-RTMP interface or a SIP client at the SIP interface of FMG. Changes initiated through Control API have privileges to override the current workflow of a call leg.

For details on using the Leg Service API, see *Adobe® Flash® Media Gateway SSAS Leg Service API Reference*. For details about using the HTTP API, see *Adobe® Flash® Media Gateway HTTP API Reference*.

SSAS API Descriptions

Methods

CallControlService.setLogLevel(level)

You can use this API to change the default log level.

The input parameter, `level`, can have the following values:

- `error`: Logs only error messages.
- `warning`: Logs only warnings and error messages.

Note: *warning is the default log level.*

- `info`: Logs informational messages. These logs include messages that are generated when an API or handler is invoked.
- `verbose`: Each API or handler invocation is logged, along with all the passed parameters.

CallControlService.setServer(p_client)

You can use this API to do one of the following:

- Initialize a control service by providing a client object of the FMG Control Service connection
- Stop a running control service by providing `NULL`

Note: *If a service is already running, repeated calls to this API with the same "client" does not reset the service.*

CallControlService.createLeg(endPointAddress, [contextName], [callerName] , callerId))

You can use this API to create a new RTMP or SIP call leg on FMG.

The input parameters are as follows.

Parameter Name	Type	Description
endPointAddress	string	Fully qualified leg address in the format <protocol-plugin-name> <endpoint-Number>@<profile>. For example, rtmp 9876@myprofile, where “myprofile” is a valid FMG profile present in rtmp.xml/sip.xml. This is a mandatory parameter to create a call leg.
contextName	string	Name of the context. If <contextName> is not provided, FMG uses the “default” context. If context is missing, the call leg is not created. In the absence of a workflow, the call leg will be handled by the control interface throughout its lifetime. Note: This parameter is optional.
callerName	string	FMG uses this parameter when connecting to the endpoint specified in <endPointAddress>. Note: This parameter is optional.
callerId	string	FMG uses this parameter when connecting to the endpoint specified in <endPointAddress>. Note: This parameter is optional.

Return value:

(string) reference ID, if the request has been forwarded to FMG; otherwise, false is returned.

CallControlService.moveLeg(legID, moveTo, moveToArguments)

You can use this API to move an existing call leg to any specified AppNode.

Parameter Name	Description
legID	The ID of call leg to be moved to the new AppNode.
moveTo	A leg can be moved either to an AppNode directly or to a context in workflow.xml : <ul style="list-style-type: none">When moving to an AppNode, <moveTo> must be the name of the AppNode.When moving to a context in workflow.xml, the corresponding <moveToArguments> must be the name of the context.
moveToArguments	If <moveTo> is an AppNode, then <moveToArguments> is the argument for the AppNode. If <moveTo> is “context”, then <moveToArguments> is the name of the destination context in workflow.xml.

A list of possible AppNodes and arguments is as follows.

moveTo	moveToArguments
bridge	uuid {legID to connect to}
bridge	{sip / rtmp} {destNum@profile}
playfile	“moh.raw” (file to be played)
wait	“20” (time to wait in sec)
context	“moveContext” (name of context to move to)

Return value:

(string) reference ID, if the request has been forwarded to FMG; otherwise, false is returned.

CallControlService.hangupLeg(legID)

You can use this API to set the state of an active call leg to `leg.state.hangup`, to end the conversation.

The input parameter, `legID`, is the UUID of the call leg to hangup.

Return value:

(string) Reference ID, if the request has been forwarded to FMG; otherwise, false is returned.

Response Handler**CallControlService.onResponse(info)**

This response handler notifies the final status of a request. Any change in the RTMP call leg state invokes this API.

Parameter Name	Description
<code>info.legID</code>	UUID string corresponding leg ID.
<code>info.type</code>	Category of the response. It can have following values: <ul style="list-style-type: none">"control.response.createLeg""control.response.hangupleg""control.response.moveleg"
<code>info.status</code>	(string) Status returned from FMG. <ul style="list-style-type: none">"status.success" indicates successany other value indicates failure with the probable cause
<code>info.refID</code>	Reference ID of the corresponding request.
<code>info.data</code>	Contains data related to the response, if any.
<code>info.service</code>	This property points to the SSAS ControlService object that invoked this handler.