

API methods

REST method	Params	Returns	Errors	Description
SIP as RTMP				
/call/startup	callId callee rtmpStream rtmpUrl hasAudio hasVideo sipLogin sipAuthenticationName sipPassword sipDomain sipOutboundProxy sipPort appKey sipRegisterRequired toStream visibleName	void	409 - Conflict 500 - Internal error	This method makes a call to SIP. If rtmpUrl is specified, then media traffic received from SIP will be forwarded to the specified rtmpUrl. If toStream is specified, /push/startup request can be used to create transponder for the specified stream name to forward media traffic received from SIP. If call with the same callId, or the same rtmpUrl already exists, 409 Conflict status will be returned.
/call/find_all	void	List<Call>	404 - Call not found	Find all SIP calls
/call/find	callId callee rtmpUrl status	List<Call>	404 - Call not found 500 - Internal error	Find SIP calls by filter
/call/terminate	callId	void	404 - Call not found 500 - Internal error	Hangup and terminate the SIP call
/call/send_dtmf	callId dtmf type	void	404 - Call not found 500 - Internal error	Send DTMF within the established SIP call
/call/inject_sound	callId fileName	void	404 - Call not found/File not found 500 - Internal error	Inject audio from the specified file
/call/inject_stream/startup	callId streamName	void	404 - Call not found/Stream not found 500 - Internal error	Redirecting a stream to a SIP call
/call/inject_stream/terminate	callId	void	404 - Call not found 500 - Internal error	Terminate redirecting a stream to a SIP call
RTSP				
/rtsp/find	uri status	List<RtspAgent>	404 - RTSP not found	Find RTSP session by filter
/rtsp/find_all	void	List<RtspAgent>	404 - RTSP not found	Find all RTSP sessions
/rtsp/terminate	uri	void	404 - RTSP not found 500 - Internal error	Stop and terminate RTSP session
/rtsp/startup	uri	void	409 - Already in use 500 - Internal error	Create a new RTSP session
Streaming				
/stream/find_all	void	List<Stream>	404 - Streams not found	Find all streams

/stream/find	appKey name mediaSessionId sessionId status published	List<Stream>	404 - Stream not found 500 - Internal error	Find streams by filter
/stream/terminate	name mediaSessionId List<mediaSessionId> status published	void	404 - Stream not found	Terminate stream or streams that conforms to query parameters
/stream/snapshot	streamName	<Base64 data>	404 - Stream not found	Make stream snapshot
/stream/startRecording	mediaSessionId	void	404 - Stream not found 500 - Internal error	Start stream recording in specified media session
/stream/stopRecording	mediaSessionId	void	404 - Recorder not found 500 - Internal error	Stop stream recording in specified media session
/stream/event/send	streamName payload	void	404 - Stream not found 500 - Internal error	Send data to all the stream subscribers
Data				
/data/send	nodeId sessionId sessionIds operationId payload	void	404 - Not found 500 - Internal error	Send data to connected client
/data/batch_send	List< nodeId sessionId operationId payload >	void	500 - Internal error	Send a batch of /data/send requests in one
Connection				
/connection/terminate	sessionId	void	404 - No such connection 500 - Internal error	Disconnect connected client
/connection/find_all	void	List<Connection>	404 - No connections found	Find all connections
/connection/find	appKey sessionId clientVersion	List<Connection>	404 - Not found	Find connections by filter
Republishing as RTMP				
/push/startup	streamName rtmpUrl options	Transponder	400 - Bad request 409 - Conflict 500 - Internal error	This method creates transponder, which subscribes to the specified stream and forwards the media traffic to the specified rtmpUrl. The stream name specified in the request can be that of a published stream, or reserved for a SIP call (to forward media traffic received from SIP). The options can be used to mute audio, or inject audio from file when transponder is created. For example, - "options": {"action": "mute"} - "options": {"action": "sound_on", "soundFile": "sound.wav", "loop": true} If transponder for such stream name and rtmpUrl already exist, 409 Conflict status will be returned. If rtmpUrl is not set, or is set incorrectly and cannot be resolved by DNS, 400 Bad request is returned
/push/find	streamName rtmpUrl	List<Transponder>	404 - Transponder not found	Find transponders by filter

/push/find_all	void	List<Transponder>	404 - Transponder not found	Find all transponders
/push/terminate	mediaSessionId	void	404 - Transponder not found 409 - Conflict 500 - Internal error	Terminate transponder
/push/mute	mediaSessionId	void	404 - Transponder not found 409 - Conflict 500 - Internal error	Mute audio
/push/unmute	mediaSessionId	void	404 - Transponder not found 409 - Conflict 500 - Internal error	Unmute audio
/push/sound_on	mediaSessionId soundFile loop	void	404 - Transponder not found 404 - No such file 500 - Internal error	Inject audio from the specified RIFF WAV file located on WCS server in /usr/local/FlashphonerWebCallServer/media/ directory
/push/sound_off	mediaSessionId	void	404 - Transponder not found 500 - Internal error	Stop injecting audio
Pull RTMP				
/pull/rtmp/pull	uri	void	409 - Conflict 500 - Internal error	Pull RTMP stream by the specified URL
/pull/rtmp/find_all	void	List<RtmpAgent>	404 - Not found	Find all pulled RTMP streams
/pull/rtmp/terminate	uri	void	404 - Not found	Terminate pulled RTMP stream
Mixer				
/mixer/startup	uri localStreamName hasVideo hasAudio background watermark mixerLayoutClass	void	409 - Conflict 500 - Internal error	Create mixer with the specified stream name
/mixer/add	uri remoteStreamName	void	404 - Mixer not found/Stream not found 409 - Conflict 500 - Internal error	Add RTMP stream to mixer
/mixer/remove	uri remoteStreamName	void	404 - Mixer not found/Stream not found	Remove RTMP stream from mixer
/mixer/find_all	void	List<Mixer>	404 - Not found	Find all mixers
/mixer/terminate	uri	void	404 - Not found	Terminate mixer
/mixer/setAudioVideo	uri streams audioLevel videoMuted	void	400 - Bad request 404 - Not found 500 - Internal error	Mute/unmute video or change audio level for incoming mixer stream

/mixer /set_body_watermark	uri watermark x y marginTop marginLeft marginBottom marginRight	void	200 - OK 400 - Bad request 404 - Not found	Add watermark to the mixer output stream picture
/mixer /set_stream_watermark	uri watermark mediaSessionId x y marginTop marginLeft marginBottom marginRight	void	200 - OK 400 - Bad request 404 - Not found	Add watermark to a certain mixer input stream on the mixer output stream picture
/mixer/set_parameter	uri	void	200 - OK 400 - Bad request 404 - Not found	Change the mixer parameter
/mixer/test/start	feedingStreams mixerCount streamsInMixer intervalInSeconds	void	404 - Not found 500 - Internal error	Start mixer load test
/mixer/test/stop	void	void	404 - Not found 500 - Internal error	Stop mixer load test
/mixer/test /get_start_example	void	<MixerTest>		Get sample object to pass to /mixer/test/start method
Pull WebRTC from another WCS				
/pull/pull	uri localStreamName remoteStreamName	void	409 - Conflict 500 - Internal error	Pull WebRTC stream by specified URL
/pull/push	uri localStreamName remoteStreamName localMediaSessionId	void	409 - Conflict 500 - Internal error	Push WebRTC stream to specified URL
/pull/find_all	void	List<PullAgent>	404 - Not found	Find all pulled WebRTC streams
/pull/terminate	uri localMediaSessionId remoteMediaSessionId localStreamName remoteStreamName status	void	404 - Not found	Terminate pulled WebRTC stream
Logging management				
/logger /enable_client_log	sessionId logLevel	void	404 - Session not found	Set the specified client log level to the specified session

/logger /disable_client_log	sessionId	void	404 - Session not found	Fully disable client log in the specified session
CDN				
/cdn/show_nodes	void	List<CDNNodes>		Show CDN nodes state
/cdn/show_state	void	<processingState>		Show CDN node state to which the query was sent
/cdn/enforce_state	state	void	400 – Invalid state	Forcefully set CDN node state
/cdn/show_routes	void	List<CDNRoutes>	404 - Not found	Show CDN routes
/cdn/stream /show_routes	streamName	<CDNStreamRoute>	400 - Bad request 404 - Not found	Show CDN route to play the stream specified
/cdn/stream /access_list/add	name keys	void	400 - Bad request 404 - Stream not found 500 – Internal Server Error	Add keys to stream ACL
/cdn/stream /access_list/remove	name keys	void	400 - Bad request 404 - ACL not found /Stream not found 500 – Internal Server Error	Remove keys from stream ACL
/cdn/stream /access_list/delete	name	void	400 - Bad request 404 - Stream not found 500 – Internal Server Error	Clean stream ACL
/cdn/stream /access_list/print	name	List<key>	400 - Bad request 404 - ACL not found 500 – Internal Server Error	Show stream ACL
/cdn/profile/add	name profile: <profile>	void	400 - Bad Request 500 – Internal Server Error	Add transcoding profile
/cdn/profile/modify	name profile: <profile>	void	400 - Bad Request 404 - Not Found 500 – Internal Server Error	Change transcoding profile
/cdn/profile/print	void	List<profile>	404 - Not Found	Get the transcoding profiles list
/cdn/profile/remove	name	void	400 - Bad Request 404 - Not Found 500 – Internal Server Error	Remove transcoding profile
/cdn/remove_node	nodeId	void	400 - Bad request 404 - Node not found 500 – Internal Server Error	Remove node from CDN
/cdn/connection /reset_inbound	nodeId	void	200 – OK 404 - Node not found	Reset inbound connection from this node
/cdn/connection /reset_outbound	nodeId	void	200 – OK 404 - Node not found	Reset outbound connection to this node
/cdn/connection /reset_all	void	void	200 – OK	Reset all CDN connections on this node
Stream recording				
/recorder/startup	mediaSessionId config: <Config>	void	404 - Stream not found 500 - Internal error	Start stream recording in specified mediasession
/recorder/terminate	mediaSessionId	void	404 - Recorder not found 500 - Internal error	Stop stream recording in specified mediasession
/recorder/find_all	void	List<Recorder>	404 - Recorders not found	Find session recordings
Multiple streams recording				
/multipleRecorder /startup	uri	void	409 - Conflict 500 - Internal error	Launch multiple streams recorder

/multipleRecorder/add	uri mediaSessionId	void	404 - Not found 409 - Conflict 500 - Internal error	Add the stream with mediaSessionId to the recorder
/multipleRecorder/find_all	void	List<MultipleRecorder>	404 - Not found	Find all multiple streamd recorders
/multipleRecorder/remove	uri mediaSessionId	void	404 - Not found 500 - Internal error	Remove the stream with mediaSessionId from the recorder
/multipleRecorder/terminate	uri	void	404 - Not found 409 - Bad uri format 500 - Internal error	Stop the multiple streams recorder
Transcoding management				
/transcoder/startup	uri remoteStreamName localStreamName encoder: <Encoder>	void	404 - Stream not found 409 - Conflict 500 - Internal error	Create transcoder with defined parameters for certain stream
/transcoder/find	uri remoteStreamName localStreamName status	List<Transcoder>	404 - Transcoders not found	Find transcoder by certain criteria
/transcoder/find_all	void	List<Transcoder>	404 - Transcoders not found	Find all transcoders
/transcoder/terminate	uri remoteStreamName localStreamName status	void	404 - Transcoder not found	Stop transcoder with its output stream by certain criteria
/transcoder/set_watermark	uri watermark x y marginTop marginLeft marginBottom marginRight	void	200 - OK 400 - Bad request 404 - Not found	Add watermark to transcoder output stream picture
Transcoding management v 2				
/transcoder2/startup	uri remoteStreamName localStreamName encoder: <Encoder>	void	400 - Bad request 404 - Stream not found 409 - Conflict 500 - Internal error	Create transcoder with defined parameters for certain stream
/transcoder2/find	uri remoteStreamName localStreamName status	List<Transcoder>	404 - Transcoders not found	Find transcoder by certain criteria
/transcoder2/find_all	void	List<Transcoder>	404 - Transcoders not found	Find all transcoders
/transcoder2/terminate	uri remoteStreamName localStreamName status	void	404 - Transcoder not found	Stop transcoder with its output stream by certain criteria
/transcoder2/set_watermark	uri watermark x y marginTop marginLeft marginBottom marginRight	void	200 - OK 400 - Bad request 404 - Not found	Add watermark to transcoder output stream picture
VOD				
/vod/startup	uri localStreamName	void	409 - Conflict 500 - Internal error	Create VOD live translation from local file or from file at network storage
/vod/find	uri localStreamName status localMediaSessionId	List<VOD>	404 - VODs not found	Find VOD translations by certain criteria
/vod/find_all	void	List<VOD>	404 - VODs not found	Find all VOD translations

/vod/terminate	uri localStreamName status localMediaSessionId	void	404 - VOD not found	Stop VOD translation by certain criteria
HLS				
/hls/startup	name	void	404 - Stream not found 500 - Internal error	Start HLS agent for the stream
/hls/find_all	offset size	List<HLS>	404 - Not found	Find all streams having HLS agents
/hls/terminate	name	void	404 - Not found 500 - Internal error	Stop HLS agent for the stream
/hls/profiles	hlsId profileName offset size	HLSProfile	400 - Bad request 404 - Not found	Get HLS profile statistics
/hls/subscribers	hlsId offset size	List<HLSSubscriber>	400 - Bad request 404 - Not found	Get HLS subscribers statistics
SFU				
/sfu/stats	roomName	List<Participant>	400 - Bad request 404 - Not found 500 - Internal error	Show current room stats
MPEG-TS				
/mpegts/startup	localStreamName transport hasAudio hasVideo timeout maxTimestampDiff	MPEG-TS	409 - Conflict 500 - Internal error	Start MPEG-TS publishing
/mpegts/find	localStreamName uri	List<MPEG-TS>	404 - Not found 500 - Internal error	Find the MPEG-TS stream by criteria
/mpegts/find_all	void	List<MPEG-TS>	404 - Not found 500 - Internal error	Find all MPEG-TS streams
/mpegts/terminate	localStreamName uri	void	404 - Not found 500 - Internal error	Stop MPEG-TS stream