

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 <code>rtmpUrl</code> is specified, then media traffic received from SIP will be forwarded to the specified rtmp Url. If <code>toStream</code> is specified, <code>/push/startup</code> request can be used to create transponder for the specified stream name to forward media traffic received from SIP. If call with the same <code>callId</code> , or the same <code>rtmpUrl</code> already exists, <code>409 Conflict</code> status will be returned.
/call/find_all	void	List of Call	404 - Call not found	Find all SIP calls
/call/find	callId callee rtmpUrl status	List of 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

REST method	Params	Returns	Errors	Description
/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/startup	uri localStreamName	void	409 - Already in use 500 - Internal error	Create a new RTSP session
/rtsp/find	uri status	List of RtspAgent	404 - RTSP not found	Find RTSP session by filter
/rtsp/find_all	void	List of 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
Streaming				
/stream/find_all	void	List of Stream	404 - Streams not found	Find all streams
/stream/find	appKeyName mediaSessionId sessionId status published	List of Stream	404 - Stream not found 500 - Internal error	Find streams by filter

REST method	Params	Returns	Errors	Description
/stream/terminate	name mediaSessionId List of mediaSessionId status published	void	404 - Stream not found 500 - Internal error	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 streams subscribers
Data				
/data/send	nodeId sessionId operationId payload	void	500 - Internal error	Send data to connected client
Connection				
/connection/terminate	sessionId	void	404 - No such connection 500 - Internal error	Disconnect connected client
/connection/find_all	void	List of Connection	404 - No connections found	Find all connections
/connection/find	appKey sessionId clientVersion	List of Connection	404 - Not found	Find connections by filter
Republishing as RTMP				

REST method	Params	Returns	Errors	Description
/push/startup	streamName rtmpUrl options	Transponder	400 - Bad request 409 - Conflict 500 - Internal error	<p>This method creates transponder, which subscribes to the specified stream and forwards the media traffic to the specified <code>rtmpUrl</code>.</p> <p>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).</p> <p>The options can be used to mute audio, or inject audio from file when transponder is created.</p> <p>For example,</p> <pre>- "options": {"action": "mute"}</pre> <pre>- "options": {"action": "sound_on", "soundFile": "sound.wav", "loop": true}</pre> <p>If transponder for such stream name and <code>rtmpUrl</code> already exist, 409 Conflict status will be returned.</p> <p>If <code>rtmpUrl</code> is not set, or is set incorrectly and cannot be resolved by DNS, 400 Bad request is returned.</p>
/push/find	streamName rtmpUrl	List of Transponder	404 - Transponder not found	Find transponders by filter

REST method	Params	Returns	Errors	Description
/push/find_all	void	List of 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 <code>/usr/local/FlashphonerWebCallServer/media/</code> 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 of RtmpAgent	404 - Not found	Find all pulled RTMP streams
/pull/rtmp/terminate	uri	void	404 - Not found	Terminate pulled RTMP stream
Mixer				

REST method	Params	Returns	Errors	Description
/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 of 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

REST method	Params	Returns	Errors	Description
/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	200 - OK	Get sample object to pass to <code>/mixer/test/start</code> 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 of 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

REST method	Params	Returns	Errors	Description
/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 of 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 of 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

REST method	Params	Returns	Errors	Description
/cdn/stream/access_list/print	name	List of keys	400 - Bad request 404 - ACL not found 500 - Internal Server Error	Show stream ACL
/cdn/profile/add	name profile	void	400 - Bad Request 500 - Internal Server Error	Add transcoding profile
/cdn/profile/modify	name profile	void	400 - Bad Request 404 - Not Found 500 - Internal Server Error	Change transcoding profile
/cdn/profile/print	void	List of 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	void	404 - Stream not found 500 - Internal error	Start stream recording in specified media session

REST method	Params	Returns	Errors	Description
/recorder/terminate	mediaSessionId	void	404 - Recorder not found 500 - Internal error	Stop stream recording in specified media session
/recorder/find_all	void	List of 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 of MultipleRecorder	404 - Not found	Find all multiple stream 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	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 of Transcoder	404 - Transcoders not found	Find transcoder by certain criteria
/transcoder/find_all	void	List of Transcoder	404 - Transcoders not found	Find all transcoders

REST method	Params	Returns	Errors	Description
/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

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/transcoder2/startup	uri remoteStreamName localStreamName 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 of Transcoder	404 – Transcoders not found	Find transcoder by certain criteria
/transcoder2/find_all	void	List of 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

REST method	Params	Returns	Errors	Description
/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 of VOD	404 – VODs not found	Find VOD translations by certain criteria
/vod/find_all	void	List of 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 of 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 of HLSSubscriber	400 – Bad request 404 – Not found	Get HLS subscribers statistics
SFU				
/sfu/stats	roomName	List of Participant	400 - Bad request 404 - Not found 500 - Internal error	Show current room stats

REST method	Params	Returns	Errors	Description
MPEG-TS				
/mpepts/startup	localStreamName transport hasAudio hasVideo timeout maxTimestampDiff	MPEG-TS	409 - Conflict 500 - Internal error	Start MPEG-TS publishing
/mpepts/find	localStreamName uri	List of MPEG-TS	404 – Not found 500 - Internal error	Find the MPEG-TS stream by criteria
/mpepts/find_all	void	List of MPEG-TS	404 – Not found 500 - Internal error	Find all MPEG-TS streams
/mpepts/terminate	localStreamName uri	void	404 – Not found 500 - Internal error	Stop MPEG-TS stream