

# Examples

## /call/startup

### Request

```
POST /rest-api/call/startup HTTP/1.1
HOST: 192.168.1.59:8081
content-length: 417
content-type: application/json

{
  "callId": "123456711",
  "callee": "10000",
  "rtmpUrl": "rtmp://localhost:1935/live",
  "rtmpStream": "stream1",
  "hasAudio": "true",
  "hasVideo": "true",
  "sipLogin": "10009",
  "sipAuthenticationName": "10009",
  "sipPassword": "1234",
  "sipDomain": "226.226.225.226",
  "sipOutboundProxy": "226.226.225.226",
  "sipPort": "5060",
  "appKey": "defaultApp",
  "sipRegisterRequired": "false",
  "visibleName": "WCS_10009"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Mon, 27 Mar 2017 03:23:54 GMT
```

## /call/find\_all

### Request

```
POST /rest-api/call/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 28 Mar 2017 12:13:24 GMT

[
  {
    "custom" {},
    "nodeId":null,
    "appKey":null,
    "sessionId":null,
    "callId":"830770WQzZTRkNzIzNjk1NTI5NmUwZWFlOGU1MWU0NDVkn2U",
    "parentCallId":null,
    "incoming":true,
    "status":"ESTABLISHED",
    "sipStatus":null,
    "rtmpUrl":null,
    "rtmpStream":null,
    "rtmpStreamStatus":null,
    "caller":"005",
    "callee":"001",
    "hasAudio":true,
    "hasVideo":true,
    "sdp":".....",
    "visibleName":"005",
    "inviteParameters":null,
    "mediaProvider":"WebRTC",
    "sipMessageRaw":".....",
    "isMsrp":false,
    "target":null,
    "holdForTransfer":false
  },{
    "custom":{},
    "nodeId":null,
    "appKey":null,
    "sessionId":null,
    "callId":"e9516680-13af-11e7-af37-05c788b22e35",
    "parentCallId":null,
    "incoming":false,
    "status":"RING",
    "sipStatus":180,
    "rtmpUrl":null,
    "rtmpStream":null,
    "rtmpStreamStatus":null,
    "caller":"002",
    "callee":"005",
    "hasAudio":true,
    "hasVideo":false,
    "sdp":null,
    "visibleName":"002",
    "inviteParameters":null,
    "mediaProvider":"WebRTC",
    "sipMessageRaw":null,
    "isMsrp":false,
    "target":null,
    "holdForTransfer":false
  }
]
```

```
}  
]
```

## /call/find

### Request

```
POST /rest-api/call/find HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Length: 70  
Content-Type: application/json  
  
{  
  "status" : "ESTABLISHED",  
  "rtmpUrl" : "rtmp://localhost:1935/live"  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
Date: Tue, 28 Mar 2017 12:37:55 GMT  
  
[  
  {  
    "custom": {},  
    "nodeId": null,  
    "appKey": null,  
    "sessionId": null,  
    "callId": "MzEjo19dY-TIg9FpAy-J3YmhDbyY-g7w771EDq",  
    "parentCallId": null,  
    "incoming": false,  
    "status": "ESTABLISHED",  
    "sipStatus": 200,  
    "rtmpUrl": "rtmp://localhost:1935/live",  
    "rtmpStream": "stream1",  
    "rtmpStreamStatus": "RTMP_STREAM_ACTIVE",  
    "caller": "001",  
    "callee": "005",  
    "hasAudio": true,  
    "hasVideo": true,  
    "sdp": null,  
    "visibleName": "001",  
    "inviteParameters": null,  
    "mediaProvider": "Flash",  
    "sipMessageRaw": null,  
    "isMsrp": false,  
    "target": null,  
    "holdForTransfer": false  
  }  
]
```

## /call/terminate

### Request

```
POST /rest-api/call/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 53
Content-Type: application/json

{
  "callId" : "y0h8vRDfr-1ko7fXTg-pKJDHXQ-TW8PhcS"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 12:48:29 GMT
```

## /call/send\_dtmf

### Request

```
POST /rest-api/call/send_dtmf HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 83
Content-Type: application/json

{
  "callId" : "y0h8vRDfr-1ko7fXTg-pKJDHXQ-TW8PhcS",
  "dtmf" : "9",
  "type" : "RFC2833"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 13:00:34 GMT
```

## /call/inject\_sound

### Request

```
POST /rest-api/call/inject_sound HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 69

{
  "callId": "y0h8vRDfr-lko7fXTg-pKJDHXQ-TW8PhcS",
  "fileName": "test.wav"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 09:37:23 GMT
```

## /call/inject\_stream/startup

### Request

```
POST /rest-api/call/inject_stream/startup HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 69

{
  "callId": "y0h8vRDfr-lko7fXTg-pKJDHXQ-TW8PhcS",
  "streamName": "mixer1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 09:47:57 GMT
```

## /call/inject\_stream/terminate

### Request

```
POST /rest-api/call/inject_stream/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 50

{
```

```
}
  "callId": "y0h8vRDfr-lko7fXTg-pKJDHXQ-TW8PhcS"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 12:42:52 GMT
```

## /rtsp/startup

### Request

```
POST /rest-api/rtsp/startup HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 56
Content-Type: application/json

{
  "uri": "rtsp://s1.media-planet.sk:80/live/bardejov1",
  "localStreamName": "stream1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 13:18:01 GMT
```

## /rtsp/find\_all

### Request

```
POST /rest-api/rtsp/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 28 Mar 2017 14:47:08 GMT

[
```

```
{
  "uri": "rtsp://s1.media-planet.sk:80/live/bardejov1",
  "toStream": "stream1",
  "status": "PLAYING"
}, {
  "uri": "rtsp://str81.creacast.com/grandlilletv/high",
  "toStream": "rtsp://str81.creacast.com/grandlilletv/high",
  "status": "PLAYING"
}
]
```

## /rtsp/find

### Request

```
POST /rest-api/rtsp/find HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 72
Content-Type: application/json

{
  "uri": "rtsp://str81.creacast.com/grandlilletv/high",
  "status": "PLAYING"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 28 Mar 2017 14:57:05 GMT

[
  {
    "uri": "rtsp://str81.creacast.com/grandlilletv/high",
    "toStream": "rtsp://str81.creacast.com/grandlilletv/high",
    "status": "PLAYING"
  }
]
```

## /rtsp/terminate

### Request

```
POST /rest-api/rtsp/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 53
Content-Type: application/json

{
```

```
}
  "uri": "rtsp://s1.media-planet.sk:80/live/bardejov1"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 15:02:07 GMT
```

## /stream/find\_all

## Request

```
POST /rest-api/stream/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 28 Mar 2017 15:10:38 GMT

[
  {
    "custom": {},
    "nodeId": null,
    "appKey": "defaultApp",
    "sessionId": "/192.168.1.102:13252/192.168.1.101:8443",
    "mediaSessionId": "9e7a6da0-13c8-11e7-a92a-b50084e40e7d",
    "remoteMediaElementId": null,
    "name": "stream1",
    "published": false,
    "hasVideo": true,
    "hasAudio": true,
    "status": "PLAYING",
    "sdp": ".....",
    "info": null,
    "record": false,
    "recordName": null,
    "width": 0,
    "height": 0,
    "bitrate": 0,
    "quality": 0,
    "rtmpUrl": null,
    "mediaProvider": "WebRTC"
  }, {
    "custom": {},
    "nodeId": null,
```



```
    "appKey": "flashStreamingApp",
    "sessionId": "398c1948-5510-4842-b647-53c2f0d36c45",
    "mediaSessionId": "06844ffd-1dce-4a77-a2c2-37629f0e4d13",
    "remoteMediaElementId": null,
    "name": "stream1",
    "published": true,
    "hasVideo": false,
    "hasAudio": true,
    "status": "PUBLISHING",
    "sdp": ".....",
    "info": null,
    "record": false,
    "recordName": null,
    "width": 0,
    "height": 0,
    "bitrate": 0,
    "quality": 0,
    "rtmpUrl": null,
    "mediaProvider": "Flash"
  }
]
```

## /stream/find

### Request

```
POST /rest-api/stream/find HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 57
Content-Type: application/json

{
  "name": "stream1",
  "published": true,
  "display": ["metrics"]
}
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 26 Mar 2021 11:05:16 GMT

[
  {
    "appKey": "defaultApp",
    "sessionId": "/192.168.23.83:51294/192.168.130.39:8443-118f9784-d3b0-4e2b-8837-425eb71efcbe",
    "mediaSessionId": "86108970-8de5-11eb-afa9-0d709beccf93",
    "name": "test",
    "published": true,
    "hasVideo": true,
  }
]
```

```
"hasAudio": true,
"status": "PUBLISHING",
"sdp": "...",
"audioCodec": "opus",
"videoCodec": "H264",
"record": false,
"width": 640,
"height": 360,
"bitrate": 0,
"minBitrate": 0,
"maxBitrate": 0,
"quality": 0,
"history": false,
"gop": 0,
"fps": 0,
"audioBitrate": 0,
"codecImpl": "",
"transport": "UDP",
"cvoExtension": false,
"createDate": 1616730250682,
"mediaType": "publish",
"mediaProvider": "WebRTC",
"metrics": {
  "VIDEO_SYNC": 3825719227118,
  "VIDEO_K_FRAMES": 87,
  "AUDIO_SYNC": 3825719227166,
  "VIDEO_NACK": 0,
  "AUDIO_RATE": 32912,
  "AUDIO_LOST": 112,
  "VIDEO_LOST": 0,
  "VIDEO_CODEC": 119,
  "VIDEO_B_FRAMES": 0,
  "VIDEO_PLI": 0,
  "AUDIO_CODEC": 111,
  "VIDEO_RATE": 542200,
  "VIDEO_WIDTH": 640,
  "VIDEO_GOP_SIZE": 60,
  "VIDEO_HEIGHT": 360,
  "VIDEO_FPS": 13,
  "VIDEO_P_FRAMES": 4972
}
}
]
```

## /stream/terminate

### Request

```
POST /rest-api/stream/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 57
Content-Type: application/json
```

```
{
```

```
}
  "mediaSessionId": "4f112b20-13d0-11e7-b521-59a9cb7eddeb"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 16:11:48 GMT
```

## /stream/snapshot

### Request

```
POST /rest-api/stream/snapshot HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 57
Content-Type: application/json

{
  "streamName" : "64966f33"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 858
Date: Tue, 28 Mar 2017 16:11:48 GMT

{
  "data": "iVBORw0KGgoAAAANSUhEUgAAUAAADwCAYAAABxLb1rAAAACXBIWXMAAAAAAAAAAAQCEeRdz"
}
```

## /stream/startRecording

### Request

```
POST /rest-api/stream/startRecording HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 65
Content-Type: application/json

{
  "mediaSessionId": "b8ffd290-bcfa-11e9-9482-17706e285ec5",
  "config": {
    "fileTemplate": "{streamName}-{startTime}-{endTime}",

```

```
    "rotation": "20M"  
  }  
}
```

## Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Tue, 28 Mar 2017 16:11:48 GMT
```

## /stream/stopRecording

### Request

```
POST /rest-api/stream/stopRecording HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Length: 65  
Content-Type: application/json  
  
{  
  "mediaSessionId": "b8ffd290-bcfa-11e9-9482-17706e285ec5"  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Tue, 28 Mar 2017 16:21:48 GMT
```

## /stream/event/send

### Request

```
POST /rest-api/stream/event/send HTTP/1.1  
Host: localhost:8081  
Content-Type: application/json  
Content-Length: 77  
  
{  
  "streamName": "test",  
  "payload": {  
    "number": 33,  
    "string": "hello",  
    "boolean": true  
  }  
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
```

## /data/send

### Request

```
POST /rest-api/data/send HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 201
Content-Type: application/json

{
  "nodeId": "cm2p2VmswiHZ4p012Ps8anz1NYudEOL1@192.168.1.101",
  "operationId": "d1999750-fde9-11e6-9f1b-913210792936",
  "sessionId": "/192.168.1.102:15422/192.168.1.101:8443",
  "payload": {
    "message": "hello"
  }
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 16:21:18 GMT
```

## /connection/find\_all

### Request

```
POST /rest-api/connection/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Tue, 28 Mar 2017 16:42:07 GMT
```

```
[
```

```
{
  "custom": {},
  "nodeId": null,
  "appKey": "roomApp",
  "sessionId": "/192.168.1.102:31049/192.168.1.101:8080",
  "sipRegisterRequired": false,
  "sipLogin": "a5ledkh95o57os4ge5i4ihpqio",
  "sipAuthenticationName": null,
  "sipPassword": null,
  "sipVisibleName": null,
  "sipDomain": null,
  "sipOutboundProxy": null,
  "sipPort": 0,
  "sipContactParams": null,
  "width": 0,
  "height": 0,
  "supportedResolutions": "0x0",
  "useProxy": true,
  "useDTLS": true,
  "useWsTunnel": false,
  "useWsTunnelPacketization2": false,
  "useBase64BinaryEncoding": false,
  "mediaProviders": ["WebRTC"],
  "appMainClass": null,
  "appCallbackClass": null,
  "authToken": "/192.168.1.102:31049/192.168.1.101:8080",
  "status": null,
  "restClientConfig": null,
  "clientVersion": "2.3.0",
  "clientOSVersion": null,
  "clientBrowserVersion": null
}, {
  "custom": {},
  "nodeId": null,
  "appKey": "defaultApp",
  "sessionId": "/192.168.1.102:15422/192.168.1.101:8443",
  "sipRegisterRequired": false,
  "sipLogin": "sasr7a131j6d1vuuiv9v9vm7ig",
  "sipAuthenticationName": null,
  "sipPassword": null,
  "sipVisibleName": null,
  "sipDomain": null,
  "sipOutboundProxy": null,
  "sipPort": 0,
  "sipContactParams": null,
  "width": 0,
  "height": 0,
  "supportedResolutions": "0x0",
  "useProxy": true,
  "useDTLS": true,
  "useWsTunnel": false,
  "useWsTunnelPacketization2": false,
  "useBase64BinaryEncoding": false,
  "mediaProviders": ["WebRTC", "WSPlayer"],
  "appMainClass": null,
  "appCallbackClass": null,
  "authToken": "/192.168.1.102:15422/192.168.1.101:8443",
  "status": null,
}
```

```
    "restClientConfig":null,  
    "clientVersion":"0.5.18",  
    "clientOSVersion":"5.0 (Windows NT 6.3; Win64; x64) ...",  
    "clientBrowserVersion":"... Chrome/57.0.2987.110 ..."  
  }  
]
```

## /connection/find

### Request

```
POST /rest-api/connection/find HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Length: 48  
Content-Type: application/json  
  
{  
  "appKey":"roomApp",  
  "clientVersion":"0.5.18"  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Type: application/json;charset=UTF-8  
Date: Tue, 28 Mar 2017 17:12:38 GMT  
  
[  
  {  
    "custom":{},  
    "nodeId":null,  
    "appKey":"roomApp",  
    "sessionId":"/192.168.1.102:39564/192.168.1.101:8443",  
    "sipRegisterRequired":false,  
    "sipLogin":"kj32o1iok1bnk33smpjg3g7e10",  
    "sipAuthenticationName":null,  
    "sipPassword":null,  
    "sipVisibleName":null,  
    "sipDomain":null,  
    "sipOutboundProxy":null,  
    "sipPort":0,  
    "sipContactParams":null,  
    "width":0,  
    "height":0,  
    "supportedResolutions":"0x0",  
    "useProxy":true,  
    "useDTLS":true,  
    "useWsTunnel":false,  
    "useWsTunnelPacketization2":false,  
    "useBase64BinaryEncoding":false,  
    "mediaProviders":["WebRTC","WSPlayer"],  
    "appMainClass":null,  
  }  
]
```

```

    "appCallbackClass":null,
    "authToken":"/192.168.1.102:39564/192.168.1.101:8443",
    "status":null,
    "restClientConfig":null,
    "clientVersion":"0.5.18",
    "clientOSVersion":"5.0 (Windows NT 6.3; Win64; x64) ...",
    "clientBrowserVersion":"... Chrome/57.0.2987.110 ..."
  },{
    "custom":{},
    "nodeId":null,
    "appKey":"roomApp",
    "sessionId":"/192.168.1.102:21479/192.168.1.101:8080",
    "sipRegisterRequired":false,
    "sipLogin":"e09elik992uig0fk08kddtjip8",
    "sipAuthenticationName":null,
    "sipPassword":null,
    "sipVisibleName":null,
    "sipDomain":null,
    "sipOutboundProxy":null,
    "sipPort":0,
    "sipContactParams":null,
    "width":0,
    "height":0,
    "supportedResolutions":"0x0",
    "useProxy":true,
    "useDTLS":true,
    "useWsTunnel":false,
    "useWsTunnelPacketization2":false,
    "useBase64BinaryEncoding":false,
    "mediaProviders":["Flash"],
    "appMainClass":null,
    "appCallbackClass":null,
    "authToken":"/192.168.1.102:21479/192.168.1.101:8080",
    "status":null,
    "restClientConfig":null,
    "clientVersion":"0.5.18",
    "clientOSVersion":"5.0 (Windows NT 6.3; WOW64; Trident/7.0...",
    "clientBrowserVersion":"Mozilla/5.0 (Windows NT 6.3; WOW64;
Trident/7.0..."
  }
]

```

## /connection/terminate

### Request

```

POST /rest-api/connection/terminate HTTP/1.1
Host:192.168.1.101:8081
Content-Length: 55
Content-Type: application/json

{
  "sessionId":"/192.168.1.102:39564/192.168.1.101:8443"
}

```



## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Tue, 28 Mar 2017 17:21:40 GMT
```

## /push/startup

### Request

```
POST /rest-api/push/startup HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 73
Content-Type: application/json

{
  "streamName": "cf58",
  "rtmpUrl": "rtmp://rtmp.flashphoner.com:1935/live/test",
  "rtmpTransponderFullUrl": true
}
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Fri, 28 Apr 2017 12:53:00 GMT

{
  "mediaSessionId": "6dk110m3cm17c68232bccm52f1",
  "streamName": "test",
  "rtmpUrl": "rtmp://rtmp.flashphoner.com:1935/live"
}
```

## /push/find

### Request

```
POST /rest-api/push/find HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 40
Content-Type: application/json

{
  "rtmpUrl": "rtmp://localhost:1935/live"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Fri, 28 Apr 2017 12:55:31 GMT

[
  {
    "mediaSessionId": "bung2cu1npigp8u4bd75ha4c5r",
    "streamName": "rtmp_4be7",
    "rtmpUrl": "rtmp://localhost:1935/live"
  }, {
    "mediaSessionId": "hs4khbl7g3abmnkeli217lrcmf",
    "streamName": "rtmp_f85d",
    "rtmpUrl": "rtmp://localhost:1935/live"
  }
]
```

## /push/find\_all

### Request

```
POST /rest-api/push/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Fri, 28 Apr 2017 12:56:04 GMT

[
  {
    "mediaSessionId": "6dk1l0m3cm17c68232bccm52f1",
    "streamName": "rtmp_cf58",
    "rtmpUrl": "rtmp://rtmp.flashphoner.com:1935/live"
  }, {
    "mediaSessionId": "bung2cu1npigp8u4bd75ha4c5r",
    "streamName": "rtmp_4be7",
    "rtmpUrl": "rtmp://localhost:1935/live"
  }, {
    "mediaSessionId": "hs4khbl7g3abmnkeli217lrcmf",
    "streamName": "rtmp_f85d",
    "rtmpUrl": "rtmp://localhost:1935/live"
  }
]
```

## /push/terminate

### Request

```
POST /rest-api/push/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 48
Content-Type: application/json

{
  "mediaSessionId": "6dk1l0m3cm17c68232bccm52f1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Fri, 28 Apr 2017 12:56:51
```

## /push/mute

### Request

```
POST /rest-api/push/mute HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 48
Content-Type: application/json

{
  "mediaSessionId": "gocrv1ncahlkcqht9k2nbs8tbc"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Mon, 03 Jul 2017 09:06:14 GMT
```

## /push/unmute

### Request

```
POST /rest-api/push/unmute HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 48
```

```
Content-Type: application/json
```

```
{  
  "mediaSessionId": "gocrv1ncahlkcqht9k2nbs8tbc"  
}
```

## Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Mon, 03 Jul 2017 09:07:27 GMT
```

## /push/sound\_on

### Request

```
POST /rest-api/push/sound_on HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Length: 88  
Content-Type: application/json  
  
{  
  "mediaSessionId": "gocrv1ncahlkcqht9k2nbs8tbc",  
  "soundFile": "sample.wav",  
  "loop": true  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Mon, 03 Jul 2017 09:11:42 GMT
```

## /push/sound\_off

### Request

```
POST /rest-api/push/sound_off HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Length: 48  
Content-Type: application/json  
  
{  
  "mediaSessionId": "gocrv1ncahlkcqht9k2nbs8tbc"  
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Mon, 03 Jul 2017 09:12:25 GMT
```

## /pull/rtmp/pull

### Request

```
POST /rest-api/pull/rtmp/pull HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 60

{
  "uri": "rtmp://rtmp.flashphoner.com:1935/live/rtmp_stream1",
  "localStreamName": "stream1"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 09:47:23 GMT
```

## /pull/rtmp/find\_all

### Request

```
POST /rest-api/pull/rtmp/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

## Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Fri, 24 Nov 2017 14:27:35 GMT

[
  {
    "localMediaSessionId": "69695ed6-6e78-455c-9fee-ae1af8d4a0b5",
    "localStreamName": "stream1",
    "uri": "rtmp://rtmp.flashphoner.com:1935/live/stream1",
```

```
    "status": "PROCESSED_REMOTE",
    "hasAudio": true,
    "hasVideo": true,
    "record" false
  }, {
    "localMediaSessionId": "dfae1a1c-f99b-4e56-9f19-7dc7903ede8d",
    "localStreamName": "rtmp://wowzaec2demo.streamlock.net/vod/mp4:BigBuckBunny_115k.",
    "uri": "rtmp://wowzaec2demo.streamlock.net/vod/mp4:BigBuckBunny_115k.mov",
    "status": "PROCESSED_REMOTE",
    "hasAudio": true,
    "hasVideo": true,
    "record" false
  }
]
```

## /pull/rtmp/terminate

### Request

```
POST /rest-api/pull/rtmp/terminate HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 60

{
  "uri": "rtmp://rtmp.flashphoner.com:1935/live/rtmp_stream1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 09:47:31 GMT
```

## /mixer/startup

### Request

```
POST /rest-api/mixer/startup HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 70

{
  "uri": "mixer://mixer1",
  "localStreamName": "mixer1_stream",
}
```

```
"hasVideo": true,  
"hasAudio": false,  
"watermark": "watermark.png",  
"background": "background.png",  
"mixerLayoutClass": "com.flashphoner.mixerlayout.TestLayout"  
}
```

## Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Fri, 24 Nov 2017 14:55:26 GMT
```

## /mixer/add

### Request

```
POST /rest-api/mixer/add HTTP/1.1  
Host: localhost:8081  
Content-Type: application/json  
Content-Length: 85  
  
{  
  "uri": "mixer://m1",  
  "remoteStreamName": "stream1",  
  "audioLevel": 0,  
  "videoMuted": false  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Fri, 09 Jul 2021 15:21:06 GMT
```

## /mixer/remove

### Request

```
POST /rest-api/mixer/remove HTTP/1.1  
HOST: 192.168.1.101:8081  
Content-Type: application/json  
Content-Length: 99  
  
{  
  "uri": "mixer://mixer1",
```

```
}
  "remoteStreamName": "rtmp://rtmp.flashphoner.com:1935/live/stream1"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Fri, 24 Nov 2017 15:21:12 GMT
```

## /mixer/find\_all

### Request

```
POST /rest-api/mixer/find_all HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 0
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Type: application/json
Content-Length: 574

[
  {
    "localMediaSessionId": "e2fa5c8b-16f3-4917-9d5f-557dde75db07",
    "localStreamName": "m1",
    "uri": "mixer://m1",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false,
    "mediaSessions": [
      {
        "localMediaSessionId": "3dd763b0-2ae7-11eb-aa72-37b2cbcbf6b9",
        "audioLevel": 0,
        "videoMuted": true,
        "localStreamName": "stream1"
      },
      {
        "localMediaSessionId": "8af64760-2ae7-11eb-b086-cdf035231b9d",
        "audioLevel": 100,
        "videoMuted": false,
        "localStreamName": "desktop"
      }
    ]
  }
]
```



```
    {
      "localMediaSessionId": "7cc4b410-2ae7-11eb-b34c-
a5240fe9f151",
      "audioLevel": 0,
      "videoMuted": false,
      "localStreamName": "stream2"
    }
  ]
}
```

## /mixer/terminate

### Request

```
POST /rest-api/mixer/terminate HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 31

{
  "uri": "mixer://mixer1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Fri, 24 Nov 2017 14:55:35 GMT
```

## /mixer/setAudioVideo

### Request

```
POST /rest-api/mixer/setAudioVideo HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 62

{
  "uri": "mixer://m1",
  "streams": "^stream.*",
  "audioLevel": 0,
  "videoMuted": true
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Fri, 24 Nov 2020 14:55:35 GMT
```

## /mixer/set\_body\_watermark

### Request

```
POST /rest-api/mixer/set_body_watermark HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 68

{
  "uri": "mixer://m1",
  "watermark": "/opt/media/logo.png",
  "x": 10,
  "y": 10
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Fri, 19 Aug 2022 14:55:35 GMT
```

## /mixer/set\_stream\_watermark

### Request

```
POST /rest-api/mixer/set_stream_watermark HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 124

{
  "uri": "mixer://m1",
  "watermark": "/opt/media/logo.png",
  "mediaSessionId": "f2019570-1f9d-11ed-b6ef-050068a3a458",
  "x": 10,
  "y": 10
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Fri, 19 Aug 2022 14:55:35 GMT
```

## /mixer/set\_parameter

### Request

```
POST /rest-api/mixer/set_parameter HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 55

{
  "uri": "mixer://m1",
  "mixerLayoutDir": "/opt/GridLayout"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Mon, 14 Nov 2022 14:55:35 GMT
```

## /mixer/test/start

### Request

```
POST /rest-api/mixer/test/start HTTP/1.1
HOST: 192.168.1.101:8081
Content-type: application/json
Content-length: 107

{
  "feedingStreams": [
    "s1",
    "s2"
  ],
  "mixerCount": 3,
  "streamsInMixer": 1,
  "intervalInSeconds": 60
}
```

---

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Wed, 22 Aug 2018 08:53:26 GMT
```

## /mixer/test/stop

### Request

```
POST /rest-api/mixer/test/stop HTTP/1.1
HOST: 192.168.1.101:8081
Content-type: application/json
Content-length: 0

{
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Wed, 22 Aug 2018 08:53:26 GMT
```

## /mixer/test/get\_start\_example

### Request

```
POST /rest-api/mixer/test/get_start_example HTTP/1.1
HOST: 192.168.1.101:8081
Content-type: application/json
Content-length: 0

{
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 107
Date: Wed, 22 Aug 2018 08:53:26 GMT

{
  "feedingStreams": [
```

```
    "stream1",
    "stream2",
    "stream3"
  ],
  "mixerCount": 3,
  "streamsInMixer": 1,
  "intervalInSeconds": 60
}
```

## /pull/pull

### Request

```
POST /rest-api/pull/pull HTTP/1.1
Host: 192.168.1.101:8081
Content-Type: application/json;charset=UTF-8
Content-Length: 60

{
  "uri": "wss://demo.flashphoner.com:8443/websocket",
  "localStreamName": "6602",
  "remoteStreamName": "6602"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 23 Nov 2017 09:47:23 GMT
```

## /pull/find\_all

### Request

```
POST /rest-api/pull/find_all HTTP/1.1
Host: 192.168.1.101:8081
Content-Length: 0
Content-Type: application/json
```

### Response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
Date: Fri, 24 Nov 2017 14:27:35 GMT

[
  {
```

```
    "localMediaSessionId": "da157e2b-2159-40c9-9560-ae1af8d4a0b5",  
    "remoteMediaSessionId": null,  
    "localStreamName": "6602",  
    "remoteStreamName": "660s",  
    "uri": "wss://demo.flashphoner.com:8443/websocket",  
    "status": "NEW"  
  }  
]
```

## /pull/push

### Request

```
POST /rest-api/pull/pull HTTP/1.1  
Host: 192.168.1.101:8081  
Content-Type: application/json;charset=UTF-8  
Content-Length: 60  
  
{  
  "uri": "wss://demo.flashphoner.com:8443/websocket",  
  "localStreamName": "0d40",  
  "remoteStreamName": "0d40"  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Length: 0  
Date: Thu, 23 Nov 2017 09:47:23 GMT
```

## /pull/terminate

### Request

```
POST /rest-api/pull/terminate HTTP/1.1  
HOST: 192.168.1.101:8081  
Content-Type: application/json  
Content-Length: 31  
  
{  
  "uri": "wss://demo.flashphoner.com:8443/websocket"  
}
```

### Response

```
HTTP/1.1 200 OK  
Content-Length: 0
```

Date: Fri, 24 Nov 2017 14:55:35 GMT

## /logger/enable\_client\_log

### Request

```
POST /rest-api/logger/enable_client_log HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 71

{
  "sessionId": "/127.0.0.1:57539/192.168.1.101:8443",
  "logLevel": "DEBUG"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Wed, 03 Sep 2018 06:58:40 GMT
```

## /logger/disable\_client\_log

### Request

```
POST /rest-api/logger/disable_client_log HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 71

{
  "sessionId": "/127.0.0.1:57539/192.168.1.101:8443"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Wed, 03 Sep 2018 06:58:40 GMT
```

## /cdn/show\_nodes

### Request

```
POST /rest-api/cdn/show_nodes HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 0
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 224
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "globalState": "ACTIVE",
    "id": "192.168.1.64",
    "processingState": "NEW_STREAMS_ALLOWED",
    "role": "TRANSCODER"
  },
  {
    "globalState": "ACTIVE",
    "id": "192.168.1.39",
    "processingState": "NEW_STREAMS_ALLOWED",
    "role": "ORIGIN"
  }
]
```

## /cdn/show\_routes

### Request

```
POST /rest-api/cdn/show_routes HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 0
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 26
Date: Thu, 06 Dec 2018 4:16:40 GMT

{
  "0-192.168.1.5-0": "test"
}
```

## /cdn/show\_state



## Request

```
POST /rest-api/cdn/show_state HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 0
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 19
Date: Thu, 06 Dec 2018 8:26:44 GMT

[
  "NEW_STREAMS_ALLOWED"
]
```

## /cdn/enforce\_state

### Request

```
POST /rest-api/cdn/enforce_state HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 44

{
  "state": "GROUP_CONNECTIONS_ALLOWED"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 06 Dec 2018 8:36:30 GMT
```

## /cdn/stream/show\_routes

### Request

```
POST /rest-api/cdn/stream/show_routes HTTP/1.1
HOST: 192.168.1.101:8081
Content-Type: application/json
Content-Length: 30

{
```

```
"streamName": "test-profile1"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 411
Date: Mon, 07 Jan 2018 4:16:40 GMT

{
  "REQUESTED-PROFILE": [
    "AUDIO{bitrate=0, codec='opus', rate=48000, channels=0}",
    "VIDEO{width=640, height=360, gop=90, fps=30, bitrate=0,
codec='h264', codecImpl='OPENH264', quality=null}"
  ],
  "1-NEW-TRANSCODER-95.191.131.64": [],
  "2-PROXY-95.191.130.39": [
    "AUDIO{bitrate=0, codec='opus', rate=48000, channels=2}",
    "VIDEO{width=0, height=0, gop=null, fps=null, bitrate=0,
codec='H264', codecImpl='null', quality=null}"
  ]
}
```

## /cdn/stream/access\_list/add

### Request

```
POST /rest-api/cdn/stream/access_list/add HTTP/1.1
Host: test.flashphoner.com:8081
Content-Type: application/json
Content-Length: 39

{
  "keys": [
    "key1",
    "key2"
  ],
  "name": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/stream/access\_list/remove

## Request

```
POST /rest-api/cdn/stream/access_list/remove HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 32
Content-Type: application/json

{
  "keys": [
    "key1"
  ],
  "name": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/stream/access\_list/print

### Request

```
POST /rest-api/cdn/stream/access_list/print HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 15
Content-Type: application/json

{
  "name": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Length: 8
Content-Type: application/json

[
  "key2"
]
```

## /cdn/stream/access\_list/delete

## Request

```
POST /rest-api/cdn/stream/access_list/delete HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 15
Content-Type: application/json

{
  "name": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/profile/add

### Request

```
POST /rest-api/cdn/profile/add HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 502
Content-Type: application/json

{
  "name": "-profile1",
  "profile": {
    "audio": {
      "type": "audio",
      "bitrate": 0,
      "channels": 0,
      "codec": "opus",
      "rate": 48000,
    },
    "video": {
      "type": "video",
      "bitrate": 0,
      "codec": "h264",
      "codecImpl": "FF",
      "fps": 30,
      "gop": 90,
      "height": 360,
      "quality": 0,
      "width": 640
    }
  }
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/profile/modify

### Request

```
POST /rest-api/cdn/profile/modify HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 15
Content-Type: application/json

{
  "name": "-profile1",
  "profile": {
    "video": {
      "bitrate": 400,
      "quality": 25
    }
  }
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/profile/print

### Request

```
POST /rest-api/cdn/profile/print HTTP/1.1
Content-Length: 0
Content-Type: application/json
Host: test.flashphoner.com:8081
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

```
[
  "-240p": {
    "audio": {
      "bitrate": 0,
      "channels": 0,
      "codec": "opus",
      "rate": 48000,
      "type": "audio"
    },
    "video": {
      "bitrate": 0,
      "codec": "h264",
      "codecImpl": "FF",
      "fps": 25,
      "gop": 50,
      "height": 240,
      "preset": "veryfast",
      "quality": 0,
      "type": "video",
      "width": 0
    }
  },
  "-480p": {
    "audio": {
      "bitrate": 0,
      "channels": 0,
      "codec": "opus",
      "rate": 48000,
      "type": "audio"
    },
    "video": {
      "bitrate": 0,
      "codec": "h264",
      "codecImpl": "FF",
      "fps": 25,
      "gop": 50,
      "height": 480,
      "preset": "veryfast",
      "quality": 0,
      "type": "video",
      "width": 0
    }
  }
}
```

## /cdn/profile/remove

### Request

```
POST /rest-api/cdn/profile/remove HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 15
Content-Type: application/json

{
```

```
"name": "-profile1"  
}
```

## Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Type: application/json
```

## /cdn/remove\_node

### Request

```
POST /rest-api/cdn/remove_node HTTP/1.1  
Host: test.flashphoner.com:8081  
Content-Length: 15  
Content-Type: application/json  
  
{  
  "nodeIp": "192.168.1.207"  
}
```

### Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Type: application/json
```

## /cdn/connection/reset\_inbound

### Request

```
POST /rest-api/cdn/connection/reset_inbound HTTP/1.1  
Host: test.flashphoner.com:8081  
Content-Length: 15  
Content-Type: application/json  
  
{  
  "nodeId": "192.168.1.207"  
}
```

### Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *
```

```
Content-Type: application/json
```

## /cdn/connection/reset\_outbound

### Request

```
POST /rest-api/cdn/connection/reset_outbound HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 15
Content-Type: application/json

{
  "nodeId": "192.168.1.207"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /cdn/connection/reset\_all

### Request

```
POST /rest-api/cdn/connection/reset_all HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 0
Content-Type: application/json
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /recorder/startup

### Request

```
POST /rest-api/recorder/startup HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 52
```



```
Content-Type: application/json
```

```
{  
  "mediaSessionId": "5a072377-73c1-4caf-abd3",  
  "config": {  
    "fileTemplate": "{streamName}-{startTime}-{endTime}",  
    "rotation": "20M"  
  }  
}
```

## Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Type: application/json
```

## /recorder/terminate

### Request

```
POST /rest-api/recorder/terminate HTTP/1.1  
HOST: 192.168.1.101:8081  
Content-Length: 26  
Content-Type: application/json  
  
{  
  "mediaSessionId": "5a072377-73c1-4caf-abd3"  
}
```

### Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Type: application/json
```

## /recorder/find\_all

### Request

```
POST /rest-api/recorder/find_all HTTP/1.1  
HOST: 192.168.1.101:8081  
content-type: application/json  
content-length: 0
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 125
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "fileName": "9c3e-test-1563776083752-{endTime}.mp4",
    "mediaSessionId": "5a072377-73c1-4caf-abd3"
  }
]
```

## /multipleRecorder/startup

### Request

```
POST /rest-api/multipleRecorder/startup HTTP/1.1
Host: localhost:8081
Content-type: application/json
Content-Length: 22

{
  "uri": "multi-recorder://test-record"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
```

## /multipleRecorder/add

### Request

```
POST /rest-api/multipleRecorder/add HTTP/1.1
Host: localhost:8081
Content-type: application/json
Content-Length: 78

{
  "uri": "multi-recorder://test-record",
  "mediaSessionId": "d010f9a0-fe34-11eb-9d0a-fb2207ead79d"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
```

## /multipleRecorder/remove

### Request

```
POST /rest-api/multipleRecorder/remove HTTP/1.1
Host: localhost:8081
Content-type: application/json
Content-Length: 78

{
  "uri": "multi-recorder://test-record",
  "mediaSessionId": "d010f9a0-fe34-11eb-9d0a-fb2207ead79d"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
```

## /multipleRecorder/find\_all

### Request

```
POST /rest-api/multipleRecorder/find_all HTTP/1.1
Host: localhost:8081
Content-type: application/json
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Type: application/json
Content-Length: 239

[
  {
    "mediaSessionsId": [
      "d010f9a0-fe34-11eb-9d0a-fb2207ead79d",
      "dca111f0-fe34-11eb-ba46-45d41f052372",
      "e7614c40-fe34-11eb-8d5e-07d6ca1cc7ff"
    ],
    "uri": "multi-recorder://test-record",
  }
]
```

```
    "fileName": "multi-recorder___test-record.mp4"
  }
]
```

## /multipleRecorder/terminate

### Request

```
POST /rest-api/multipleRecorder/terminate HTTP/1.1
Host: localhost:8081
Content-type: application/json
Content-Length: 22

{
  "uri": "multi-recorder://test-record"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
```

## /transcoder/startup

### Request

```
POST /rest-api/transcoder/startup HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 83

{
  "uri": "transcoder://tcode1",
  "remoteStreamName": "test",
  "localStreamName": "testT",
  "encoder": {
    "width": 640,
    "height": 480,
    "keyFrameInterval": 30,
    "fps": 30,
    "watermark": "Test.png"
  }
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 06 Dec 2018 4:16:40 GMT
```

## /transcoder/find

### Request

```
POST /rest-api/transcoder/find HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
  "remoteStreamName": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 286
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "localMediaSessionId": "42a92132-bcd1-4436-a96f-3fec36b32b37",
    "localStreamName": "testT",
    "remoteStreamName": "test",
    "uri": "transcoder://tcode1",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false,
    "encoder": {
      "width": 640,
      "height": 480,
      "keyFrameInterval": 30,
      "fps": 30,
      "watermark": "Test.png"
    }
  }
]
```

## /transcoder/find\_all

### Request

```
POST /rest-api/transcoder/find_all HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 0
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 286
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "localMediaSessionId": "42a92132-bcd1-4436-a96f-3fec36b32b37",
    "localStreamName": "testT",
    "remoteStreamName": "test",
    "uri": "transcoder://tcode1",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false,
    "encoder": {
      "width": 640,
      "height": 480,
      "keyFrameInterval": 30,
      "fps": 30,
      "watermark": "Test.png"
    }
  }
]
```

## /transcoder/terminate

### Request

```
POST /rest-api/transcoder/terminate HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
  "uri": "transcoder://tcode1"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 06 Dec 2018 4:16:40 GMT
```

## /transcoder/set\_watermark

### Request

```
POST /rest-api/transcoder/set_watermark HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 72

{
  "uri": "transcoder://t1",
  "watermark": "/opt/media/logo.png",
  "x": 10,
  "y": 10
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Fri, 19 Aug 2022 14:55:35 GMT
```

## /transcoder2/startup

### Request

```
POST /rest-api/transcoder2/startup HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 242

{
  "uri": "transcoder2://tcode2",
  "localStreamName": "testT",
  "remoteStreamName": "test",
  "encoder": {
    "width": 320,
    "height": 240,
    "keyFrameInterval": 60,
    "fps": 30,
    "bitrate": 1000,
    "audioRate": 44100,
    "audioBitrate": 64000,
    "audioCodec": "mpeg4-generic",
    "videoCodec": "H264"
  }
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
```

## /transcoder2/find

### Request

```
POST /rest-api/transcoder2/find HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
  "remoteStreamName": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Type: application/json
Content-Length: 387

[
  {
    "localMediaSessionId": "abde0bbf-558f-49e7-88e8-5431824dbc6c",
    "localStreamName": "testT",
    "remoteStreamName": "test",
    "uri": "transcoder2://tcode2",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false,
    "encoder": {
      "width": 320,
      "height": 240,
      "keyFrameInterval": 60,
      "fps": 30,
      "bitrate": 1000,
      "audioRate": 44100,
      "audioCodec": "mpeg4-generic",
      "videoCodec": "H264",
      "videoRate": 90000
    }
  }
]
```



## /transcoder2/find\_all

### Request

```
POST /rest-api/transcoder2/find_all HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 0
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Type: application/json
Content-Length: 387

[
  {
    "localMediaSessionId": "abde0bbf-558f-49e7-88e8-5431824dbc6c",
    "localStreamName": "testT",
    "remoteStreamName": "test",
    "uri": "transcoder2://tcode2",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false,
    "encoder": {
      "width": 320,
      "height": 240,
      "keyFrameInterval": 60,
      "fps": 30,
      "bitrate": 1000,
      "audioRate": 44100,
      "audioCodec": "mpeg4-generic",
      "videoCodec": "H264",
      "videoRate": 90000
    }
  }
]
```

## /transcoder2/terminate

### Request

```
POST /rest-api/transcoder2/terminate HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
```

```
}
  "uri": "transcoder2://tcode2"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
```

## /transcoder2/set\_watermark

### Request

```
POST /rest-api/transcoder2/set_watermark HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 73

{
  "uri": "transcoder2://t1",
  "watermark": "/opt/media/logo.png",
  "x": 10,
  "y": 10
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Access-Control-Allow-Credentials: true
Content-Length: 0
Date: Fri, 19 Aug 2022 14:55:35 GMT
```

## /vod/startup

### Request

```
POST /rest-api/vod/startup HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 83

{
  "uri": "vod-live://sample.mp4",
  "localStreamName": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 06 Dec 2018 4:16:40 GMT
```

## /vod/find

### Request

```
POST /rest-api/vod/find HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
  "localStreamName": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 286
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "localMediaSessionId": "29ec3236-1093-42bb-88d6-d4ac37af3ac0",
    "localStreamName": "test",
    "uri": "vod-live://sample.mp4",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false
  }
]
```

## /vod/find\_all

### Request

```
POST /rest-api/vod/find_all HTTP/1.1
HOST: 192.168.1.101:8081
content-type: application/json
content-length: 0
```

## Response

```
HTTP/1.1 200 OK
Content-Length: 286
Date: Thu, 06 Dec 2018 4:16:40 GMT

[
  {
    "localMediaSessionId": "29ec3236-1093-42bb-88d6-d4ac37af3ac0",
    "localStreamName": "test",
    "uri": "vod-live://sample.mp4",
    "status": "PROCESSED_LOCAL",
    "hasAudio": true,
    "hasVideo": true,
    "record": false
  }
]
```

## /vod/terminate

### Request

```
POST /rest-api/vod/terminate HTTP/1.1
Host: 192.168.1.101:8081
content-type: application/json
content-length: 30

{
  "uri": "vod-live://sample.mp4",
  "localStreamName": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Content-Length: 0
Date: Thu, 06 Dec 2018 4:16:40 GMT
```

## /hls/startup

### Request

```
POST /rest-api/hls/startup HTTP/1.1
Host: test.flashphoner.com:8081
Content-Length: 16
Content-Type: application/json

{
```

```
"name": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```

## /hls/find\_all

### Request

```
POST /rest-api/hls/find_all HTTP/1.1
Host: test.flashphoner.com:8081
Connection: keep-alive
Content-Length: 22

{
  "offset": 0,
  "size": 10
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Length: 493
Content-Type: application/json

[
  {
    "id": "test",
    "streamName": "test",
    "status": "ACTIVE",
    "waitingSize": 0,
    "profiles": [
      "a_test",
      "v_test"
    ],
    "subscribers": 1,
    "playlist": "#EXTM3U\n#EXT-X-VERSION:9\n#EXT-X-INDEPENDENT-SEGMENTS\n#EXT-X-MEDIA:TYPE=AUDIO,URI=\"a_test/a_test.m3u8\",GROUP-ID=\"audio\",NAME=\"none\",DEFAULT=YES,AUTOSELECT=YES,CHANNELS=\"2\"\n#EXT-X-STREAM-INF:BANDWIDTH=2180097,CODECS=\"avc1.640028,mp4a.40.2\",RESOLUTION=1280x720,FRAME RATE=29.0,AUDIO=\"audio\"\nv_test/v_test.m3u8\n",
    "createdDate": 1697691514126,
    "logs": []
  }
]
```

```
}  
]
```

## /hls/terminate

### Request

```
POST /rest-api/hls/terminate HTTP/1.1  
Host: test.flashphoner.com:8081  
Content-Length: 16  
Content-Type: application/json  
  
{  
  "name": "test"  
}
```

### Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Type: application/json
```

## /hls/profiles

### Request

```
POST /rest-api/hls/profiles HTTP/1.1  
Host: test.flashphoner.com:8081  
Connection: keep-alive  
Content-Length: 39  
  
{  
  "hlsId": "test",  
  "profileName": "v_test"  
}
```

### Response

```
HTTP/1.1 200 OK  
Access-Control-Allow-Origin: *  
Content-Length: 1183  
Content-Type: application/json  
  
{  
  "name": "v_test",  
  "stream": {  
    "appKey": "defaultApp",
```

```
    "sessionId": "test-HLS",
    "mediaSessionId": "94bc92bc-959b-4533-a0e6-7de3d8c89141-test-HLS",
    "name": "test",
    "published": false,
    "hasVideo": false,
    "hasAudio": true,
    "status": "PLAYING",
    "sdp": "v=0\r\no=- 1988962254 1988962254 IN IP4 0.0.0.0\r\nnc=IN IP4
0.0.0.0\r\nnt=0 0\r\na=sdplang:en\r\nm=video 0 RTP/AVP 112\r\na=rtpmap:112
H264/90000\r\na=fmtp:112 packetization-mode=1; profile-level-
id=42001f\r\na=recvonly\r\n",
    "videoCodec": "H264",
    "record": false,
    "width": 1280,
    "height": 720,
    "bitrate": 0,
    "minBitrate": 0,
    "maxBitrate": 0,
    "quality": 0,
    "parentMediaSessionId": "8df817dc-c331-4fb5-949d-03e7764bab11",
    "history": false,
    "gop": 0,
    "fps": 0,
    "audioBitrate": 0,
    "codecImpl": "",
    "transport": "UDP",
    "cvoExtension": true,
    "createDate": 1697691514574,
    "mediaType": "play",
    "audioState": {
      "muted": false
    },
    "videoState": {
      "muted": false
    },
    "mediaProvider": "HLS"
  },
  "keyFrameReceived": true,
  "videoProfile": {
    "type": "video",
    "width": 1280,
    "height": 720,
    "fps": 29,
    "bitrate": 2129,
    "codec": "",
    "quality": 0,
    "audioGroupId": "audio"
  },
  "metrics": {
    "minFPS": 29.962547,
    "avgFPS": 30.000261,
    "maxFPS": 30.04292,
    "countGaps": 0,
    "resolutionChanges": 0,
    "queueSize": 11,
    "startPts": 560866,
    "currentPts": 561133
  },
}
```

```
"subscribers": 1
}
```

## /hls/subscribers

### Request

```
POST /rest-api/hls/subscribers HTTP/1.1
Host: test.flashphoner.com:8081
Connection: keep-alive
Content-Length: 16

{
  "hlsId": "test"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Length: 501
Content-Type: application/json

[
  {
    "id": "192.168.0.83-55832-Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36",
    "ip": "192.168.0.83",
    "port": 55832,
    "userAgent": "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.0.0.0 Safari/537.36",
    "active": true,
    "metrics": {
      "profileTime": {
        "test": 66,
        "v_test": 598216
      },
      "requestsNumber": 6537,
      "requestsStatuses": {
        "200 OK": 6536
      },
      "profileSwitches": 1,
      "maxResponseTime": 13,
      "minResponseTime": 0,
      "avgResponseTime": 0.4173168119932691
    }
  }
]
```

## /sfu/stats



## Request

```
POST /rest-api/sfu/stats HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 20

{
  "roomName": "ROOM1"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
Content-Length: 1154

{
  "participants": [
    {
      "nickName": "User1",
      "outgoingTracks": [
        {
          "id": "9de9107c-ce5f-4d6b-b7d6-ea233d691d09",
          "codec": "opus",
          "bitrate": 0,
          "sampleRate": 48000,
          "channels": 2,
          "alive": true,
          "type": "AUDIO"
        },
        {
          "id": "237dcef9-c66d-4c72-bd43-0c91aaaa3b7e",
          "composite": true,
          "tracks": {
            "h send": {
              "id": "237dcef9-c66d-4c72-bd43-0c91aaaa3b7e",
              "codec": "H264",
              "width": 1280,
              "height": 720,
              "fps": 30,
              "bitrate": 157976,
              "alive": true,
              "type": "VIDEO"
            },
            "m send": {
              "id": "237dcef9-c66d-4c72-bd43-0c91aaaa3b7e",
              "codec": "H264",
              "width": 640,
              "height": 360,
              "fps": 30,
              "bitrate": 263952,
              "alive": true,
              "type": "VIDEO"
            }
          }
        }
      ]
    }
  ]
}
```

```

    }
  },
  "incomingTracks": {
    "3c2dcd1c-7acd-4b90-8871-331be80cade0": "h send"
  }
},
{
  "nickName": "User2",
  "outgoingTracks": [
    {
      "id": "3c2dcd1c-7acd-4b90-8871-331be80cade0",
      "composite": true,
      "tracks": {
        "h send": {
          "id": "3c2dcd1c-7acd-4b90-8871-331be80cade0",
          "codec": "H264",
          "width": 1280,
          "height": 720,
          "fps": 30,
          "bitrate": 238688,
          "alive": true,
          "type": "VIDEO"
        },
        "m send": {
          "id": "3c2dcd1c-7acd-4b90-8871-331be80cade0",
          "codec": "H264",
          "width": 640,
          "height": 360,
          "fps": 30,
          "bitrate": 265368,
          "alive": true,
          "type": "VIDEO"
        }
      }
    }
  ]
},
  "incomingTracks": {
    "9de9107c-ce5f-4d6b-b7d6-ea233d691d09": null,
    "237dcef9-c66d-4c72-bd43-0c91aeea3b7e": "h send"
  }
}
]
}

```

## /mpegts/startup

### Request

```

POST /rest-api/mpegts/startup HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 44

```

```
{
  "localStreamName": "test",
  "transport": "srt"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
Content-Length: 230

{
  "localMediaSessionId": "32ec1a8e-7df4-4484-9a95-e7eddc45c508",
  "localStreamName": "test",
  "uri": "srt://192.168.1.39:31014",
  "status": "CONNECTED",
  "hasAudio": false,
  "hasVideo": false,
  "record": false,
  "transport": "SRT",
  "cdn": false,
  "timeout": 90000,
  "maxTimestampDiff": 1,
  "allowedList": []
}
```

## /mpegts/find

### Request

```
POST /rest-api/mpegts/find_all HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 61

{
  "localStreamName": "test",
  "uri": "srt://192.168.1.39:31014"
}
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
Content-Length: 238

[
  {
```

```
    "localMediaSessionId": "32ec1a8e-7df4-4484-9a95-e7eddc45c508",
    "localStreamName": "test",
    "uri": "srt://192.168.1.39:31014",
    "status": "PROCESSED_LOCAL",
    "hasAudio": false,
    "hasVideo": false,
    "record": false,
    "transport": "SRT",
    "cdn": false,
    "timeout": 90000,
    "maxTimestampDiff": 1,
    "allowedList": []
  }
]
```

## /mpegs/find\_all

### Request

```
POST /rest-api/mpegs/find_all HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 0
```

### Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
Content-Length: 238

[
  {
    "localMediaSessionId": "32ec1a8e-7df4-4484-9a95-e7eddc45c508",
    "localStreamName": "test",
    "uri": "srt://192.168.1.39:31014",
    "status": "PROCESSED_LOCAL",
    "hasAudio": false,
    "hasVideo": false,
    "record": false,
    "transport": "SRT",
    "cdn": false,
    "timeout": 90000,
    "maxTimestampDiff": 1,
    "allowedList": []
  }
]
```

## /mpegs/terminate

## Request

```
POST /rest-api/mpegts/startup HTTP/1.1
Host: localhost:8081
Content-Type: application/json
Content-Length: 26

{
  "localStreamName": "test"
}
```

## Response

```
HTTP/1.1 200 OK
Access-Control-Allow-Origin: *
Content-Type: application/json
```