



Ceeblue Streaming Cloud

Stream Metadata

Danny Burns

Version 1.4.0, 1 Oct 2020

Table of Contents

1. Retrieve stream metadata	1
-----------------------------------	---

Chapter 1. Retrieve stream metadata

To retrieve stream information, request the URL

URL format

```
wss://[hostname and port]/json_[stream name].js
```

Example

```
wss://rye.ceeblue.tv:4433/json_as+c94ca3ca-4f4b-415d-9467-7ae2fb9bf2d2.js
```

The socket is kept open and receives an update whenever the stream status changes. If the stream is online/active, the received data is identical to the JSON format. If the stream is in any other state, the received data is an object containing an `error` member variable, which has a value with a human-readable stream status.

Metadata example

```
{
  "height": 1080,
  "meta": {
    "bframes": 0,
    "buffer_window": 7403,
    "live": 1,
    "tracks": {
      "audio_AAC_2ch_48000hz_1": {
        "bps": 16005,
        "channels": 2,
        "codec": "AAC",
        "firstms": 2717263,
        "idx": 1,
        "init": "\u0011\u0090",
        "lastms": 2727055,
        "maxbps": 16101,
        "rate": 48000,
        "size": 0,
        "trackid": 2,
        "type": "audio"
      },
      "audio_opus_2ch_48000hz_0": {
        "bps": 16000,
        "channels": 2,
        "codec": "opus",
        "firstms": 2720037,
        "idx": 0,
        "init": "OpusHead\u0001...\u0000",
        "lastms": 2727057,
        "maxbps": 16000,
      }
    }
  }
}
```

```

    "rate": 48000,
    "size": 0,
    "trackid": 1,
    "type": "audio"           ⑨
  },
  "video_H264_1280x720_0fps_3": {
    "bps": 226259,
    "codec": "H264",
    "firstms": 2722266,
    "fpks": 0,
    "height": 720,
    "idx": 3,                 ⑦
    "init": "\u0001d...\u00B0",
    "lastms": 2727066,
    "maxbps": 275810,
    "trackid": 4,
    "type": "video",         ⑨
    "width": 1280
  },
  "video_H264_1920x1080_0fps_2": {
    "bps": 458358,
    "codec": "H264",
    "firstms": 2722633,
    "fpks": 0,
    "height": 1080,
    "idx": 2,                 ⑦
    "init": "\u0001d...\u00B0",
    "lastms": 2727066,
    "maxbps": 554770,
    "trackid": 3,
    "type": "video",         ⑨
    "width": 1920
  },
  "video_H264_256x144_0fps_6": {
    "bps": 56500,
    "codec": "H264",
    "firstms": 2722966,
    "fpks": 0,
    "height": 144,
    "idx": 6,                 ⑦
    "init": "\u0001d...\u00B0",
    "lastms": 2727066,
    "maxbps": 70669,
    "trackid": 7,
    "type": "video",         ⑨
    "width": 256
  },
  "video_H264_640x360_0fps_5": {
    "bps": 108972,
    "codec": "H264",
    "firstms": 2722766,

```

```

    "fpks": 0,
    "height": 360,
    "idx": 5,
    "init": "\u0001d ... \u00B0",
    "lastms": 2727066,
    "maxbps": 139809,
    "trackid": 6,
    "type": "video",
    "width": 640
  },
  "video_H264_960x540_0fps_4": {
    "bps": 169570,
    "codec": "H264",
    "firstms": 2722366,
    "fpks": 0,
    "height": 540,
    "idx": 4,
    "init": "\u0001d...\u00B0",
    "lastms": 2727066,
    "maxbps": 206250,
    "trackid": 5,
    "type": "video",
    "width": 960
  }
},
"version": 4
},
"source": [ ],
"type": "live",
"width": 1920
}

```

- ① Summary of the stream's internal metadata
- ② Full listing of all media tracks in the stream
- ③ Unique per-track identifier
- ④ Average bytes per second for this track
- ⑤ Audio track channels count
- ⑥ Codec used for this media track
- ⑦ Unique track number
- ⑧ Audio track sampling rate in Hz
- ⑨ Type of track: audio, video