BitGravity Live Streaming Information Guide

Version: Hercules

Kaltura
open source video

Kaltura Business Headquarters

5 Union Square West, Suite 602, New York, NY, 10003, USA

Tel.: +1 800 871 5224

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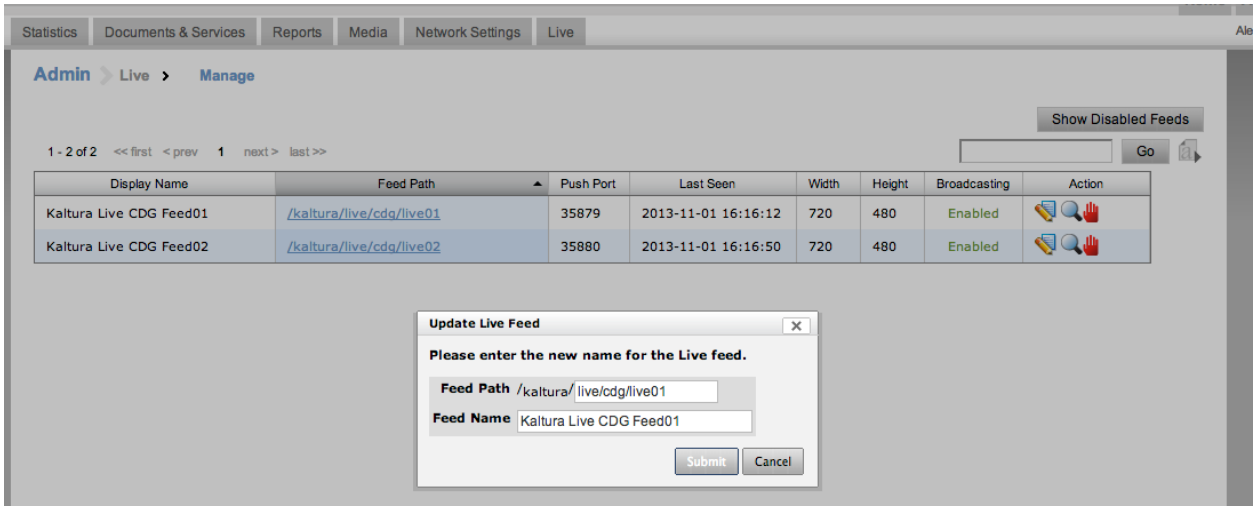
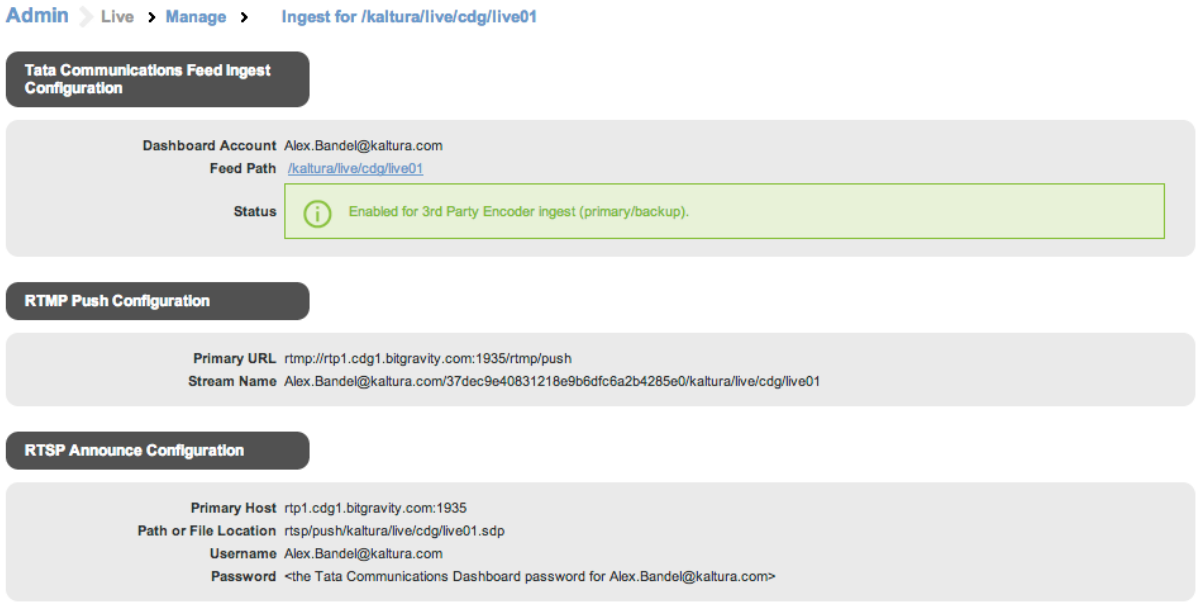
Configuring Live Streaming on a KMC Account Using a BitGravity Account

This article describes the required steps to create a live streaming feed inside a customer's KMC account using their BitGravity account.

Currently, live streaming provisioning using your BitGravity account can be done upon request and with the BitGravity CDN support team's assistance that will be provisioning live feeds. Each live feed represents a single bit rate live stream:



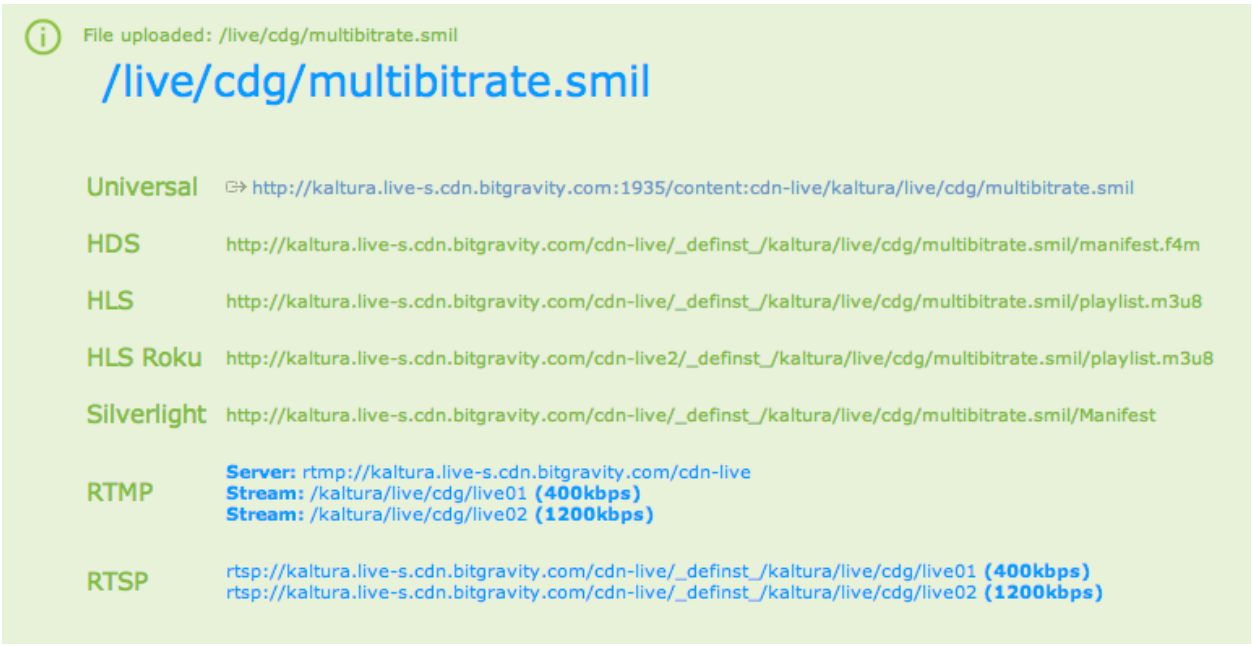
After live feeds are provisioned you can manage them (edit some of the settings), playback and publish URLs:



For example, for the live feed **/kaltura/live/cdg/live01** the playback URLs will be as following:

Delivery Protocol	URL Generated
RTMP	Server: rtmp://kaltura.live-s.cdn.bitgravity.com/cdn-live Stream: /kaltura/live/cdg/live01
Adobe HDS	http://kaltura.live-s.cdn.bitgravity.com/cdn-live/_definst_/kaltura/live/cdg/live01/manifest.f4m
Apple HLS	http://kaltura.live-s.cdn.bitgravity.com/cdn-live/_definst_/kaltura/live/cdg/live01/playlist.m3u8

For multi bitrate live streaming you will need to combine multiple streams together and generate the manifest file (SMIL) manually in the BitGravity dashboard:



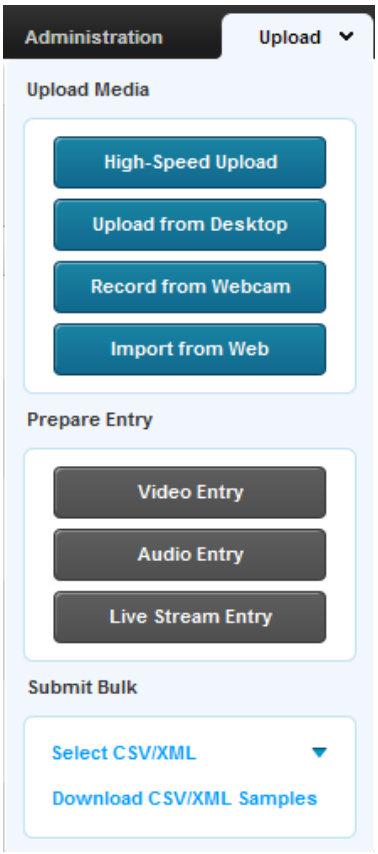
Example SMIL File Contents:

```
<smil>
   <head>
   </head>
   <body>
       <switch>
              <video src="live01" system-bitrate="400000" width="320" height="240">
                     <param name="audioCodecId" value="mp4a.40.2"
   valuetype="data"/>
                     <param name="videoCodecId" value="avc1.66.30"
   valuetype="data"/>
              </video>
              <video src="live02" system-bitrate="1200000" width="1024"
   height="768">
                     <param name="audioCodecId" value="mp4a.40.2"
   valuetype="data"/>
                     <param name="videoCodecId" value="avc1.66.30"
   valuetype="data"/>
              </video>
       </switch>
   </body>
</smil>
```

Creating a Live Streaming Entry in the KMC

To create a live stream entry in the KMC

1. Login into the KMC and go to the Upload tab.



2. Select Live Stream Entry.
The Add New Stream window is displayed.

3. Select Manual Live Stream URLs.
Manual Live Stream URLs - Allows you to associate custom live end user URLs with a

Kaltura entry. This option is useful if you are using a 3rd party to provision and broadcast a live stream.

4. Enter values for the following fields:

   The following are the required /optional fields for the **Manual Live Stream URLs** stream type.

Field	Description
Name	**Required,** minimum 5 characters. The name of the stream that will appear in the KMC entries list.
Description	A description of the stream (Optional).
Live Flash HDS stream URL	**Required**, type URL
Live Mobile HLS stream URL	**Optional** type URL.

5. Fill in the values and click Create Live Stream.