![brightcove (/)] **Documentation**

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Support Doc ***Brightcove Live: Best Practices (/brightcove-live-best-practices)*** has been updated. ✕

Unpublished

Brightcove Live: Best Practices

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🏷 Live, Video Cloud, Zencoder
👤 API Developer
🏷 Live Streaming, Live API

This topic provides a guide to best practices for creating live streams using the Live API.

Overview

Brightcove Live provides a robust service for creating live streaming events or 24/7 live streams. This guide outlines best practices for optimizing your live streams

Input bandwidth

Providing a high-quality, stable input stream is the only way to ensure the best user experience for viewers. A good input stream provides the best video quality at the highest consistently available bandwidth from a location.

- Minimum bandwidth: 2.5 mbps
- Recommended bandwidth: TODO

Certified encoders

The following encoders have been tested and are known to work with Brightcove Live. Other encoders may work, but have no been tested and are not officially supported.

Software encoders

- XSplit (http://www.xsplit.com/)
- OBS (http://obsproject.com/)
- Wirecast (http://www.telestream.net/wirecast/overview.htm)

Hardware encoders

TODO

Supported CDNs

- Akamai
- Edgecast
- Fastly

- Wowza
- YouTube
- Amazon CloudFront (HLS)

Input requirements

The following table shows requirements for the input live stream.

Table 1: Input Requirements

Item	Requirement
Protocol	RTMP
Video format	h.264
Audio format	AAC
Resolution	720p
Framerate	30 fps

Use H.264 and AAC codecs in your RTMP stream.

Output

Live output videos can be published to an RTMP server or uploaded as HLS segments. Regular, non-live files can also be generated when the input stream has ended.

Output recommendations

TODO

Maximum output size

TODO

AWS regions

The following AWS regions are currently supported:

- US: us-west-1
- US: us-west-2
- US: us-east-1
- US: us-east-2
- Asia-Pacific, Japan: ap-northeast-1
- Asia-Pacific: ap-south-1
- Singapore: ap-southeast-1
- Europe: eu-central-1
- Europe: eu-west-1
- Europe: eu-west-2
- South America: sa-east-1

Troubleshooting

Troubleshooting steps

Info needed by Support

FAQ

How soon do you have to start streaming after creating a live job?

Is HTTPS playback available by default?

Is it or will it eventually be possible to push to an HLS entrypoint rather than just RTMP?

On HLS outputs is it or will it be possible to designate the protocol desired (HTTP or HTTPS)?

Is RTMPE possible on the input?

Is it possible to configure for HLSe?

Can Brightcove Live push 4k quality provided the input bandwidth is sufficient?

Are frame rates greater than 30 FPS supported? What are Brightcove's recommendations on frame rate?

Is DRM available?

Related content

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Signed URLs and Token Auth with a Live Stream (/signed-urls-and-token-auth-live-stream)
Creating Clips Using the Brightcove Live API (/creating-clips-using-brightcove-live-api)
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