

Introduction to Amagi CLOUDPORTXpress

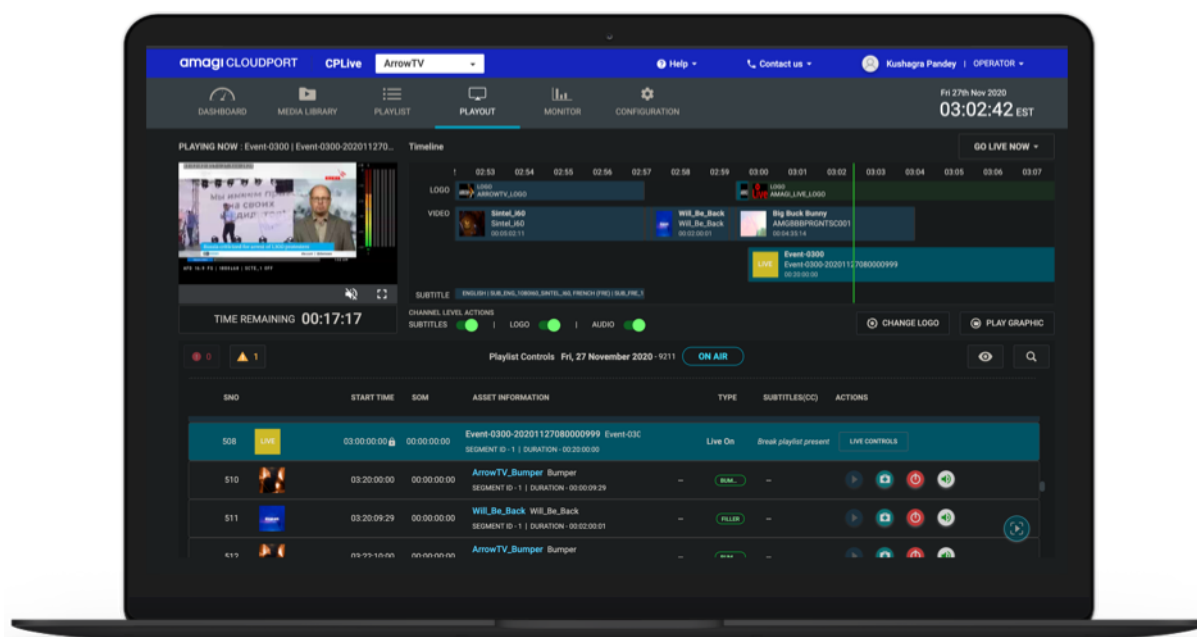
Introduction

Amagi CLOUDPORTXpress is a cloud-based channel playout platform that enables both broadcast TV and streaming TV networks to launch and manage broadcast-grade linear channels on a 'Pay-as-you-go' model.

Using a simple web UI, one can ingest media files in multiple formats onto the AWS cloud, manage media libraries, generate playlists, create schedules, add dynamic graphics and subtitles, playout the channel, and deliver the feed to cable/satellite/OTT platforms. The entire broadcast workflow can be managed from any remote location.

Amagi CLOUDPORT makes it easy to scale operations, add new channels, and deliver content to operators and platforms across the world.

Please reach out to us at support.cpx@amagi.com for any queries.



Features

1. All-in-one channel management system
2. Intuitive User Interface
3. Easily upload assets through S3 or UI
4. Add simple logos & multiple graphics
5. Create frame accurate schedules by simple drag & drop
6. SCTE-35 support in the output stream
7. Monitor the output in real-time without leaving the UI
8. ABR output stream for easy distribution

Steps to get your channel up and running

1. Subscribe to Amagi CLOUDPORTXpress on AWS Marketplace
2. You will be redirected to a webpage to sign up
3. Post sign up, login credentials shall sent to your email address
4. Once logged in, you can create new channels (a maximum of 2 channels)
5. Ingest Content:
 - a. S3 credentials shall be provided where you can upload the assets
 - b. You can upload small assets through the UI
6. Configure Logo by uploading and selecting it
7. Create a schedule/playlist using the easy drag and drop interface.
8. You are live!

Pricing Structure

The pricing of CLOUDPORTXpress is based on three pricing dimensions, depending on the usage of the resources in addition to a fixed hourly subscription fee. The billing is done post the usage.

In case you have subscribed to the product, but not using it, we would only charge the hourly subscription fee. Other charges are billed only when the corresponding resources are consumed.

Always, refer to the [AWS Marketplace listing page](#) for latest prices.

Pricing Dimensions

Playout Subscription per Hour

This dimension refers to the fixed subscription fee charged for enrolling in the platform. The fixed subscription fee is \$4.1/hour currently (please refer to the AWS Marketplace listing page for latest prices).

As this is an hourly charge, you won't get charged any subscription fees up front, but only for the consumed hours. Every hour, the bills shall be updated in your AWS Account.

Example

Say you subscribed to the product on January 14 at 08:00 hours. However, as you don't have the content ready yet, you have not ingested any content in the system. In such cases, the charge would be solely based on this dimension, and at say, January 16 at 20:00 hours, the charges shall be:

$$2 \text{ days } 12 \text{ hours} * \$4.1 = \$60 * 4.1 = \$246$$

S3 Usage per TB-Hour

This dimension is charged for storing assets on the cloud. The usage charge currently is \$0.042 per TB-hour. This implies that if you store 1 TB of content for one hour, you will

be charged \$0.042. However, in case you have stored only 0.2 TB of content, you shall be billed only when 1 TB Hour is consumed, that is storage of 0.2 TB for 5 hours.

Note that you might not see the billing updates every hour here in case the storage hours have not reached the threshold of 1 TB Hour. This shall be updated in the AWS Billing Section when 1 TB Hour or multiples of it are reached.

Example

Say you've stored 250 GB of data for 16 days and then ingested further 100 GB of data for the following 14 days. Here, the charges for this dimension would be:

$$\begin{aligned}
 & \$0.042/\text{TB-Hour} * (250 \text{ GB} * 24 * 16 \text{ hours} + (250 \text{ GB} + 100 \text{ GB}) * 24 * 14) \\
 & = \$0.042 / \text{TB-Hour} * 213600 \text{ GB Hours} = \$0.042 * 213.600 \\
 & = \mathbf{\$8.9712}
 \end{aligned}$$

CloudFront Egress Usage per TB

This usage corresponds to the output ABR stream that can be used to deliver the linear channel further to any platform of your choice. A CloudFront URL is generated for every channel that you create. The egress charges are \$30/TB

Sample Pricing Examples

Hourly, Daily & Monthly Cost Estimates

The following table provides an estimated pricing based on the following assumptions:

1. At any point of time, you store 500 GB of data in the S3
2. The output egress stream is 10 Mbps and is consumed by 10 users (= 100 Mbps)

Dimension	Rate	Unit	Usage	Per Hour	Per Day	Per Month
Playout Subscription	\$4.100	/ hour	1	\$4.100	\$98.400	\$2,952.000
S3 Usage	\$0.042	/ TB-hour	0.50 TB	\$0.021	\$0.504	\$15.120
CloudFront Egress Usage	\$30.00	/ TB	100 Mbps	\$1.29	\$30.90	\$926.97
Total				\$5.408	\$129.803	\$3,894.091

FAQs

1. What are the output formats?

The output resolution can be either 1080i50 or 1080i60, and has to be selected on a feed level. The output is an HLS stream with ABR: 1080i, 720p, 480p, 360p.

2. What are the input video resolutions supported?

You can ingest media in any resolution, and it shall be transcoded to the output profile (1080i) during ingest.

3. How many audio channels are supported?

Currently, we support 2 output audio channels as a stereo output. In case you need more, contact us at support.cpx@amagi.com.

4. What are the methods to ingest the content?

You can ingest the content via S3 credentials provided to you once you subscribe, or through the UI directly. Softwares like [Transmit 5](#), Cloudberry etc. can be used for S3 ingest. Please note that the UI should be used for small size files only (< 500 MB).

5. Are captions supported?

Captions are not configured by default. However, if you need, please contact us at support.cpx@amagi.com.

6. Are Graphics supported?

Yes. You can upload simple graphics like logos & bugs. Please note that we currently support only TGA stills and sequences.

7. Do you support SCTE-35?

Yes. You can schedule SCTE-35 triggers in the playlist.

8. How many users can be added?

You can add as many users as you need, with various roles based on permission levels.

9. Can I run Live Events?

We shall provide an option to run live events in upcoming releases. However, you can contact us at support.cpx@amagi.com for more information.

10. Can I download AsRun reports?

Yes, you shall get an option to download AsRuns for any broadcast date for which any playout has happened.

11. How to set up the playout with OTT platforms?

The CloudFront URL is provided, which can be provided to any OTT platform. Alternatively, you can provide RTMP URL to which stream should be pushed to.

12. Can I disable playout temporarily?

Currently, you cannot disable the playout. However, you can delete the schedule which shall be filled automatically by some evergreen content of your choice. In future releases, we shall provide the option to disable the playout.

13. How many channels can I create?

You can create a maximum of two channels. In case you need more, reach out to us at support.cpx@amagi.com and we shall increase the limits for you.

14. Can I delete the channels?

Yes, you can delete the channels in the similar manner you create a channel.

15. How to unsubscribe?

You can unsubscribe through AWS Marketplace. As soon as you unsubscribe, all your channels and data will be marked for deletion and cannot be recovered. Your account on Amagi CLOUDPORTXpress shall soon be deleted.

For any other help or support, contact us at support.cpx@amagi.com