Solbox File Live System

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1.1. Solbox File Live System

Today, there is a growing demand from existing broadcasters who are trying to provide stationary channels using hundreds of VOD content and content providers who want to launch 24/7 broadcasting channels. As the demand for content viewers has also steadily shifted from existing regular broadcasting channels to programming broadcasting channels, broadcasters must prepare for this trend.
As free advertising-based broadcasting service (FAST) channels through smart TVs and OTT set-top boxes grows, the need for new advertising-based broadcasting service solutions continues to increase.

Solbox Live Programming service helps content publisher or agent easily publish advertising-based live broadcasting services. A service provider can quickly upload a large amount of VOD contents to cloud storage, and launch live broadcasting channel services on smart TVs, OTT set-top boxes, or OTT platforms immediately through convenient broadcasting and Ad insertion. In addition, Adaptive Bit Rate (ABR) streaming ensures optimal image quality without buffering or interruption depending on the user connection environment.

If you are using HLS or MPEG-DASH protocols, Solbox Live Programming service will help you to provide a variety of live streaming services. It will significantly reduce your time and money.
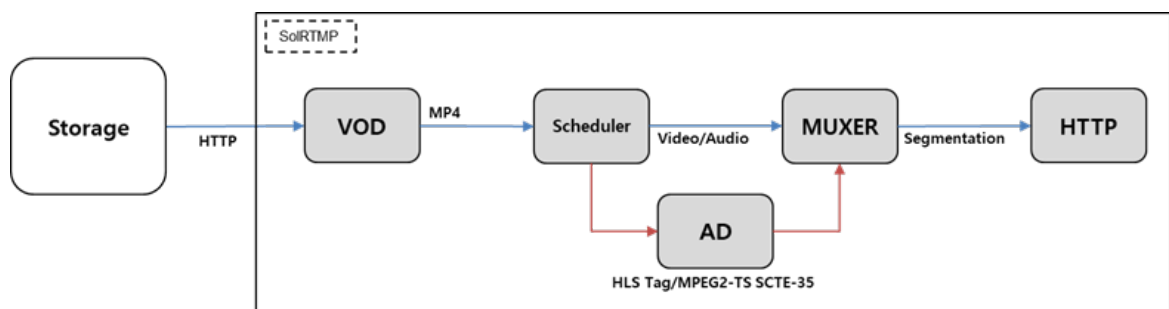

Figure 1) Solbox Live Programming Service Configuration Diagram

2. Benefit

- Utilizes VOD content to provide high-quality live broadcasting programming services quickly and easily
- Starts media service immediately after uploading a video interworking with Solbox Cloud Storage without storage expansion
- By Ad insertion service, a service provider can attract more online viewers and increase their revenue through an ad-based free live broadcasting service.
- A media content provider can easily and directly provide high-quality Internet live broadcasting services with Solbox Live Programming service, and the service provider can solely focus on supply and demand of media content as well as service development.

3. Key Features

- **Solbox Cloud Storage**

  Uploads VOD content for live media services to Solbox Cloud Storage via API

- **VOD Live Stream Conversion Service**

  Converts VOD files to live streams in real time

- **Live Broadcast Programming Service**

  Provides live VOD file service by scheduling in real time

- **Ad insertion Service**

  Provides targeted advertising by generating SCTE-35 signals in the HLS AD marker playlist or MPEG2-TS. This allows you to insert ads in real time at pre-roll, mid-roll and post-roll time points.

- **Multi Output Protocol**

  Supports HTTP-based output protocols such as HLS and MPEG-DASH

- **ABR (Adaptive Bitrate) Support**

  Supports variable bitrate (ABR) streaming to allow a video player to check the playback environment and automatically playback optimized video streams

4. Applications

- Media Content Publishers & Consolidator
- Internet OTT Provider
- Broadcast Station
- Personal Broadcasting