

# Solbox Integrated Authentication System

Version 0.10 | Updated 2022/10 | Written by Solbox

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# 1. Contents

## 1.1. Solbox Integrated Authentication System

With the advancement of 4G/5G wireless networks, Internet media services have recently achieved tremendous growth in the last decade.

Online users are spending more time on diverse content through their own devices.

However, as the media evolves, authentication becomes more complex and difficult. This increases the cost enormously for both the contents owner and the distributor.

Solbox iAuth System is a secure authentication system that allows only users who have been authenticated using JWT token (<http://jwt.io>) for Solbox's CDN content service. That is, the CDN edge cache server provides content only when token authentication is successful in the user's content request, which can prevent illegal content requests in advance. This enables a service provider based on HLS or DASH protocols can serve contents to the online users to distribute a variety of content faster through rapid content access authentication.

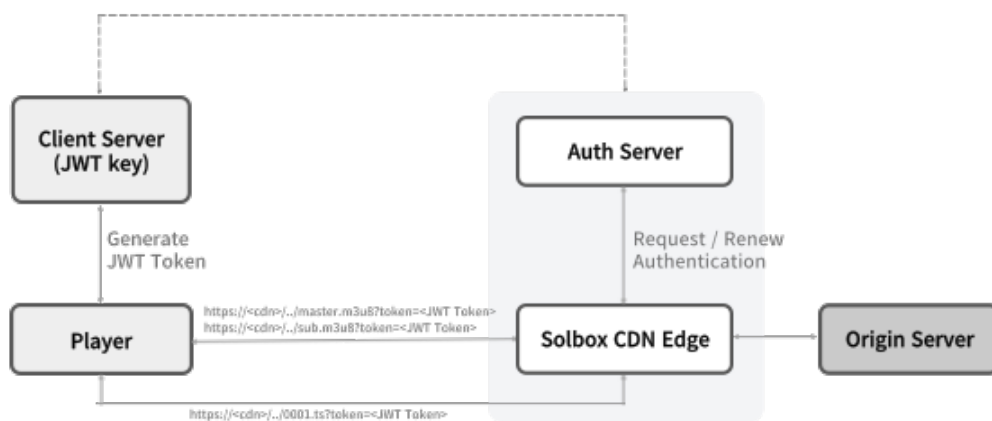


Figure 1 ) Solbox HLS/DASH Live Service Certification Diagram

## 2. Benefit

- Delivers the service contents from any type of device - PC, mobile, TV, etc.
- The content itself does not use digital watermarks or DRMs, enabling faster content distribution of without the need for separate resources for encryption/decryption.
- Configure claims within JWT

## 3. Key Features

- **Session Time Extension**

Automatically extend the expiration time for the first connection on a call

- **Session Blocking**

Allows blocking all those sessions after a certain amount of time. (Optional)

- **Check User-Agent**

Blocks the session if the User-Agent is different (Optional)

- **Fast Response Performance**

Gets the most out of our optimized systems based on years of development and operational experience to provide fast response time to user requests

- **Automatic Fault Detection and Report**

Takes action on service abnormalities through real-time monitoring of error codes such as 40x and 50x in the authentication server

## **4. Applications**

- Internet OTT Service Operator
- Broadcast Stations
- Audio/Video Publishing