EZDRM Configuration
Anevia Encoder
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Anevia Configuration

Overview

This document covers EZDRM configuration settings for the Anevia Encoder media pipeline for CPIX using Widevine and PlayReady over MPEG-DASH, and CPIX for Apple FairPlay Streaming.

Scrambling server profile settings

To set the EZDRM Scrambling configuration for content protection:

1. Once logged into your Anevia account, click the Services menu and select Scrambling.
2. Scroll to the **Scrambling Servers** section and create a new CPIX scrambling server by clicking the **+ icon** or the **pencil icon** to edit an existing server.
3. The scrambling server should be set to the following configuration:

<table>
<thead>
<tr>
<th>Field Title</th>
<th>Description</th>
<th>EZDRM settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Scrambling server name</td>
<td>EZDRM</td>
</tr>
<tr>
<td>Default server</td>
<td>Flag to set server as default</td>
<td>True</td>
</tr>
<tr>
<td>Scrambling server URI</td>
<td>URI for key server (case sensitive)</td>
<td><a href="https://cpix.ezdrm.com/copyProtectionData/">https://cpix.ezdrm.com/copyProtectionData/</a></td>
</tr>
<tr>
<td>Timeout</td>
<td>Timeout settings</td>
<td>Not required</td>
</tr>
</tbody>
</table>

Note: Scrambling server URI is case sensitive. Be sure that “/copyProtectionData/” is entered as shown above. Also be sure that the EZDRM server is set as default.
Live channel scrambling settings

To edit the Live channel settings for EZDRM encrypted content streaming:

1. From the **Services** menu select **Live**.

2. Edit your pre-existing channel scrambling configuration by clicking the **padlock icon** on the Actions channel menu.

3. [Image of channel configuration settings]
4. Click the + icon to add new set of Parameters.

Channel 'EZDRM' scrambling configuration

Here you can set scrambling parameters for a given asset by manually entering scrambling parameters or applying existing presets. Default values can be set for each scrambling type. These values can be overridden for one or several specific SAPs. Once set, they will be automatically renewed for the default case.

<table>
<thead>
<tr>
<th>Type</th>
<th>Parameters</th>
<th>Stream Adaptation</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPX</td>
<td>-- New set --&gt;</td>
<td>DASH CPX</td>
<td>HLS CPX</td>
</tr>
<tr>
<td></td>
<td>Use as default</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Custom set (default)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Apply] [Cancel]

4. The Scrambling ID is made up of the following:

```
<<Stream ID>>&u=<<username>>&p=<<password>>
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stream ID</td>
<td>The channel name or output for the channel; your unique Stream ID value</td>
</tr>
<tr>
<td>u</td>
<td>EZDRM username</td>
</tr>
<tr>
<td>p</td>
<td>EZDRM password</td>
</tr>
</tbody>
</table>

Example Scrambling ID:

```
ezdrm-test-02052019&u=ezdrm@anevia.com&p=password
```
5. Enter your ID as shown above and set Scrambling server to **default**. Click the **checkmark** to apply changes.
6. Click the **Apply** button to save changes.

**Channel 'EZDRM' scrambling configuration**

You can set scrambling parameters for a given asset by manually entering scrambling parameters or employing existing presets. Default values can be set for each scrambling type. These values can be overridden for assets or assets specific Logical Channels will be automatically removed or applied for the default one.

<table>
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<th>Type</th>
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<td>CPix</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Custom set (default)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Stream Adaptations – MPEG-DASH**

The stream output type for Widevine and PlayReady is **MPEG-DASH**. To modify stream adaptations, click the **Profiles** tab.
For DASH-CPIX click the pencil icon to edit settings.

Under Output, be sure the MPEG-DASH output is selected.

Under Scrambling, be sure the CPIX scrambling server is selected. Click the checkmark to save changes.
Stream Adaptations – Apple HLS

The stream output type Apple FairPlay streaming is **Apple HLS**. To modify stream adaptations, click the **Profiles** tab.

For **Apple HLS** click the **pencil icon** to edit settings.

Click **OK** to edit.
Under **Output**, be sure **Apple-HLS** output is selected.

Under **Scrambling**, be sure the **CPIX** scrambling server is selected.

**Note:** Be sure that the “**Use sample-AES encryption**” checkbox is selected.

Click the **checkmark** to save changes.