EZDRM Integration
Harmonic VOS360

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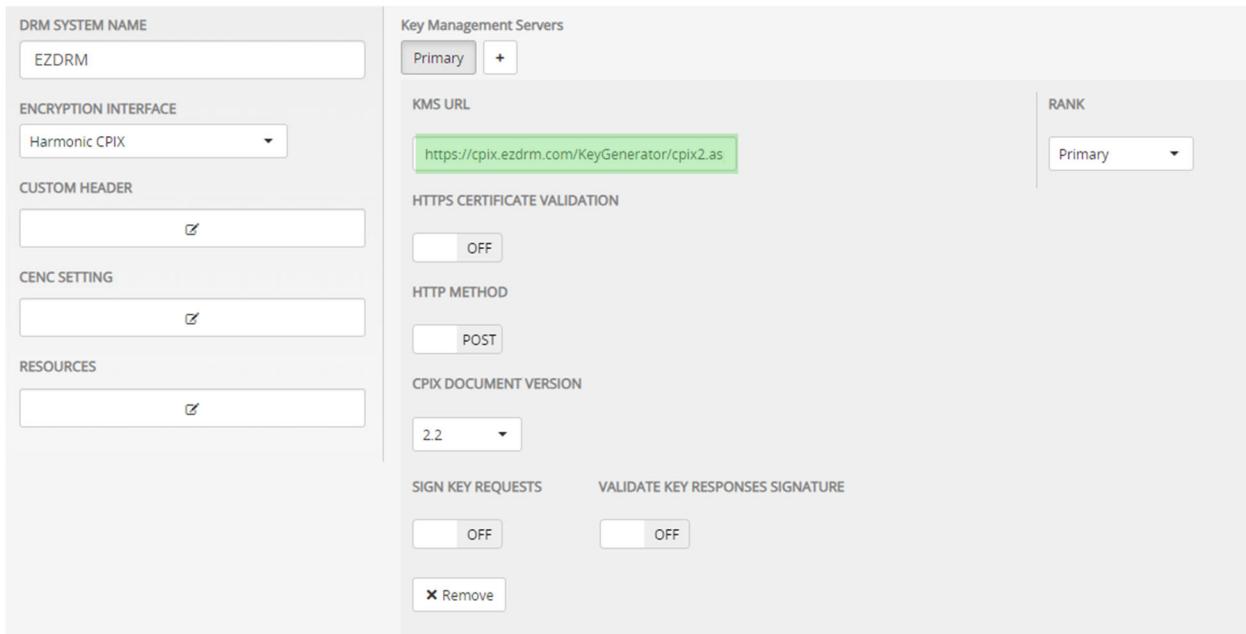
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Introduction

This guide will walk through the Integration instructions for using EZDRM CPIX 2.x with Harmonic VOS360.

DRM Configuration

The DRM configuration tab should be set up as shown below.

The DRM Settings tab should be set up as shown below.

- The **DRM System Name** is **EZDRM** and the **Encryption Interface** is **Harmonic CPIX**.
- **Rank** is **Primary**.
- The **CPIX Document version** is **2.2**.
- See details for **KMS URL** in the next section.
- The "RESOURCES" dialog box shown below needs to be filled-in to define the DRM ResourceId, also known as the DRM ContentId. This example uses the value "harmonic" for the ResourceId label and ResourceId value.

Set **DRM On**. For DRM System select **EZDRM** and Resource **harmonic**.

DRM Settings

KMS (CPIX 2.x) URL

The **KMS URL** is the CPIX 2.x URL for Encryption.

There are two methods of calling CPIX API. The first is via the EZDRM username and password, the other is via the EZDRM Secure Token. The Secure token is visible in the "My Accounts" section of accounts.ezdrm.com.

Here is an example of the URL (Single Key) username and password with parameters defined:

https://cpix.ezdrm.com/KeyGenerator/**cpix2.aspx**?k=KeyID&u=username&p=password&c=resourcename

Here is an example of the URL (Single Key) Secure token with parameters defined:

https://cpix.ezdrm.com/keygenerator/**cpix2.aspx**?k=KeyID&**t=SecureToken&**c=resourcename

An example **KMS URL** for CBCS encryption/CMAF is for HLS and DASH outputs:

https://cpix.ezdrm.com/KeyGenerator/**cpix2.aspx**?k=4551XXXX-8416-XXXX-abdf-eee12de9XXXX&u=username&p=password&c=CPIX-Harmonic**&EncryptionScheme=cbcs**

DRM Output(s)

The DRM Output types are selected as shown below in the VOS360 Scrambling GUI under the CENC SETTING dialog box. Select the Output types – one or multiples per Output type – for HLS, DASH, CMAF HLS, and CMAF DASH.

CENC DRM SETTING

Packaging Type	DRMs
HLS	☐ Microsoft PlayReady ☐ Google Widevine ☑ Apple FairPlay ☐ Marlin
DASH	☑ Microsoft PlayReady ☑ Google Widevine ☐ Marlin
CMAF HLS	☑ Microsoft PlayReady ☑ Google Widevine ☐ Apple FairPlay ☐ Marlin
CMAF DASH	☑ Microsoft PlayReady ☑ Google Widevine ☐ Marlin

DRM Resource

The DRM Resources would be the resource type for your packaging names and Resource IDs. Harmonic uses the terminology DRM "Resource ID" synonymous with the industry term DRM "Content ID".

DRM Resources

Packaging Type	Name	Resource ID
HLS ▾	harmonic	harmonichls
DASH ▾	harmonic	harmonicdash

Additional Information

For additional questions and comments please contact: simplify@ezdrm.com