

EZDRM Integration Harmonic VOS360

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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.

The screenshot displays the EZDRM configuration interface with the following settings:

- DRM SYSTEM NAME:** EZDRM
- ENCRYPTION INTERFACE:** Harmonic CPIX
- CUSTOM HEADER:** [Empty field with checkmark]
- CENC SETTING:** [Empty field with checkmark]
- RESOURCES:** [Empty field with checkmark]
- Key Management Servers:** Primary
- KMS URL:** https://cpix.ezdrm.com/KeyGenerator/cpix2.as
- RANK:** Primary
- HTTPS CERTIFICATE VALIDATION:** OFF
- HTTP METHOD:** POST
- CPIX DOCUMENT VERSION:** 2.2
- SIGN KEY REQUESTS:** OFF
- VALIDATE KEY RESPONSES SIGNATURE:** OFF
- Remove:** [Remove button]

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

DRM ON

DRM SYSTEMS & CONFIGURATIONS

NAME	
DASH_DASH	
DRM SYSTEM	RESOURCE
<input type="text" value="EZDRM"/>	<input type="text" value="harmonic"/>

NAME	
HLS_CBCS	
DRM SYSTEM	RESOURCE
<input type="text" value="EZDRM"/>	<input type="text" value="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=cbs>

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	<input type="checkbox"/> Microsoft PlayReady <input type="checkbox"/> Google Widevine <input checked="" type="checkbox"/> Apple FairPlay <input type="checkbox"/> Marlin
DASH	<input checked="" type="checkbox"/> Microsoft PlayReady <input checked="" type="checkbox"/> Google Widevine <input type="checkbox"/> Marlin
CMAF HLS	<input checked="" type="checkbox"/> Microsoft PlayReady <input checked="" type="checkbox"/> Google Widevine <input type="checkbox"/> Apple FairPlay <input type="checkbox"/> Marlin
CMAF DASH	<input checked="" type="checkbox"/> Microsoft PlayReady <input checked="" type="checkbox"/> Google Widevine <input type="checkbox"/> 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