

# **EZDRM Integration THEOplayer Portal**



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Version 1.0 / Updated September 2020



#### Introduction

The following document outlines playback using THEOplayer portal. THEOplayer accepts streams from an MPEG-DASH (\*.mpd) file for Microsoft PlayReady and Google Widevine, or a \*.m3u8 file for Apple FairPlay and HLS.

Access the portal at: <a href="https://portal.theoplayer.com">https://portal.theoplayer.com</a>

# Widevine/PlayReady Universal Playback

MPEG-DASH requires 3 values:

- 1. The .mpd URL
- 2. The Widevine License Acquisition URL
- 3. The PlayReady License Acquisition URL

#### Obtaining a PX Value

You will need your six-digit PX value as part of the Acquisition URLs in the upcoming sections.

Your Widevine PX value is the last six characters of your Widevine Profile ID. Your PlayReady PX value is the last six characters of your PlayReady Profile ID. The appropriate one is required for all packagers you use.

Visit <a href="https://www.ezdrm.com/Documentation/EZDRM\_Testing\_Playback\_v2.pdf">https://www.ezdrm.com/Documentation/EZDRM\_Testing\_Playback\_v2.pdf</a> for more details on how to find your PX value.

## License Acquisition URL - Widevine

The Widevine Acquisition URL is: <a href="https://widevine-dash.ezdrm.com/widevine-php/widevine-foreignkey.php?pX">https://widevine-dash.ezdrm.com/widevine-php/widevine-foreignkey.php?pX</a> XXXXXX

Replace XXXXXX with your Widevine PX Value.

## License Acquisition URL - PlayReady

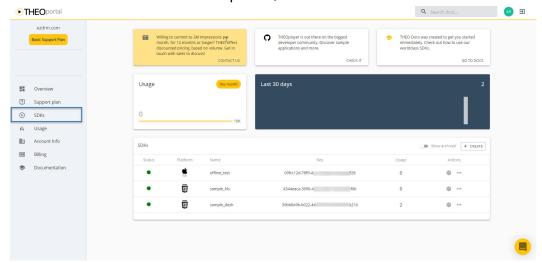
For PlayReady, the Acquisition URL is: <a href="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://playready.ezdrm.com/cency/preauth.aspx?pX="https://px="

Replace XXXXXX with your PlayReady PX Value.

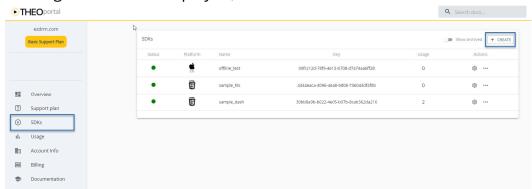


#### Create an HTML5 SDK

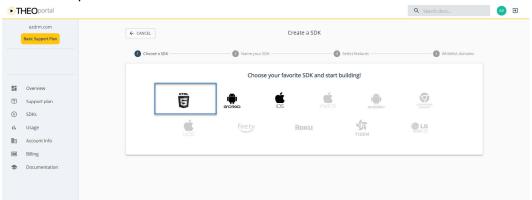
To create an SDK in the THEOportal, click on **SDKs** on the left menu.



Existing SDKs will be displayed, click Create to create a new SDK.



This example will use **HTML5**.

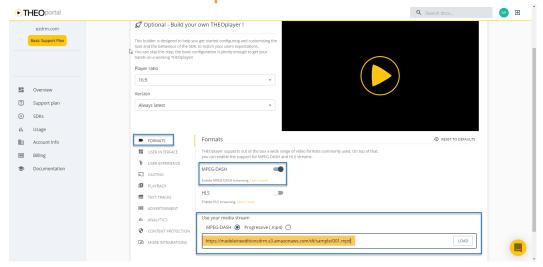




#### Enter the **SDK Name** and click **Next**.



Under **Formats**, enable **MPEG-DASH** streaming and select **MPEG-DASH** for the media stream. Enter the .mpd url for the media and click **Load**.

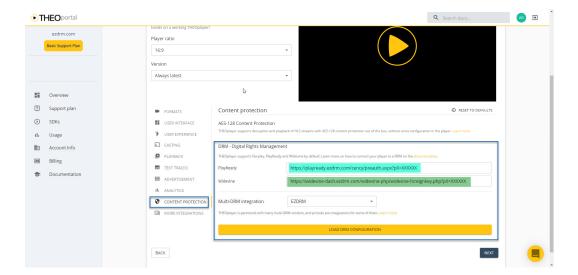


Under **Content Protection** enter the **PlayReady** and **Widevine License Acquisition URLs** (discussed in previous section).

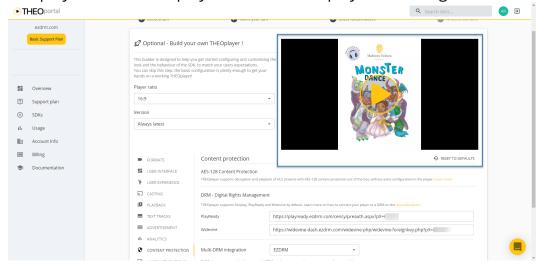
Under Multi-DRM integration, select **EZDRM**.

Click Load DRM Configuration.



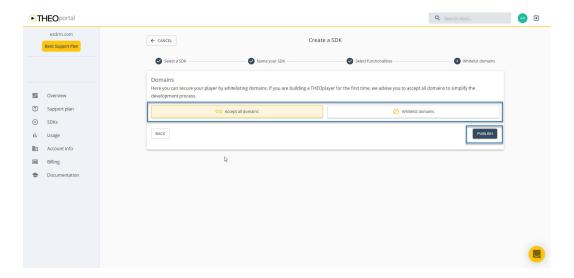


The player will now display the content for playback testing. Click **Next**.

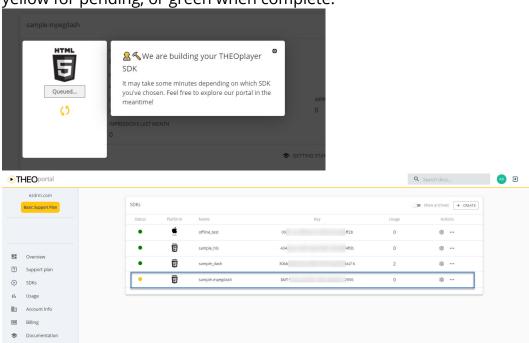


Whitelist domains if required, otherwise **Accept all domains**. Click **Publish** to publish the SDK.





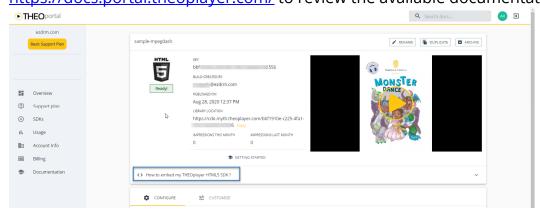
It may take a few minutes for THEOplayer SDK to publish, the Status will show yellow for pending, or green when complete.



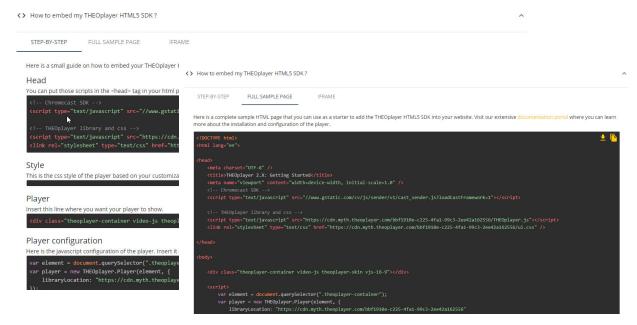


# Sample HTML for MPEG-DASH

More information is provided in the THEOportal for embedding HTML5 SDK, under the SDK click "How to embed my THEOplayer HTML5 SDK?" or visit <a href="https://docs.portal.theoplayer.com/">https://docs.portal.theoplayer.com/</a> to review the available documentation.



Step-by-Step and Full Sample Page examples are available.



### Here is a HTML5 player configuration example:

```
<!DOCTYPE html>
<html lang="en">

<head>

<meta charset="UTF-8" />
<title>THEOplayer 2.X: Getting Started</title>
```



```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <!-- Chromecast SDK -->
    <script type="text/javascript" src="//www.gstatic.com/cv/js/sender/v1/cast_sender.js?loadCastFramework</pre>
=1"></script>
    <!-- THEOplayer library and css -->
    <script type="text/javascript" src="https://cdn.myth.theoplayer.com/30bb8a9b-b022-4e05-b07b-8cab362da2</pre>
16/THEOplayer.js"></script>
    <link rel="stylesheet" type="text/css" href="https://cdn.myth.theoplayer.com/30bb8a9b-b022-4e05-b07b-8</pre>
cab362da216/ui.css" />
</head>
<body>
    <div class="theoplayer-container video-js theoplayer-skin vjs-fluid"></div>
    <script>
        var element = document.querySelector(".theoplayer-container");
        var player = new THEOplayer.Player(element, {
            libraryLocation: "https://cdn.myth.theoplayer.com/30bb8a9b-b022-4e05-b07b-8cab362da216"
        });
        // OPTIONAL CONFIGURATION
        // Customized video player parameters
        player.source = {
            sources: [{
                 "src": "YourMPDFile.mpd",
                 "type": "application/dash+xml",
                 "contentProtection": {
                     "integration": "<a href="mailto:rezdrm"</a>,
                     "playready": {
                         "licenseAcquisitionURL": "https://playready.ezdrm.com/cency/preauth.aspx?pX=XXXXXXX
                     },
                     "widevine": {
                         "license Acquisition URL": \ "\underline{https://widevine-dash.ezdrm.com/widevine-php/widevine-fo}
reignkey.php?pX=XXXXXX"
                }
            }],
</html>
```



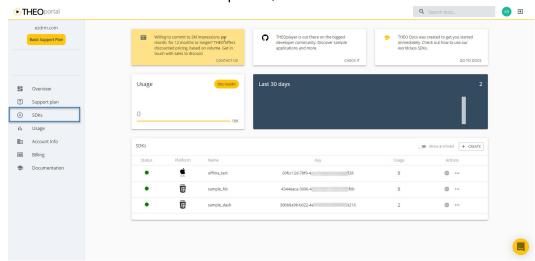
# Apple FairPlay HLS Playback

Apple FairPlay requires 2 values.

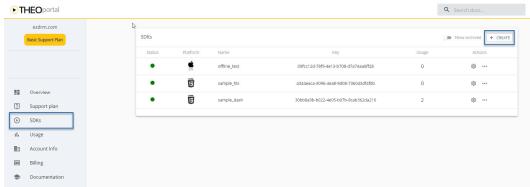
- 1. The .m3u8 URL
- 2. Fairplay Certificate URL
  - This is the .cer file for your media provided by Apple. This URL should be either on your Website or CDN.

#### Create an HTML5 SDK

To create an SDK in the THEOportal, click on **SDKs** on the left menu.

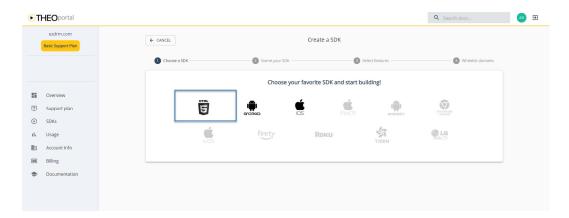


Existing SDKs will be displayed, click **Create** to create a new SDK.

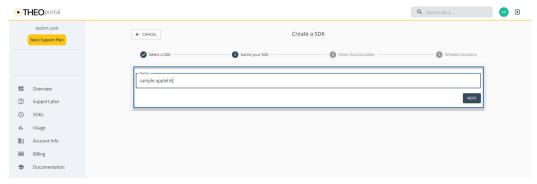


This example will use **HTML5**.

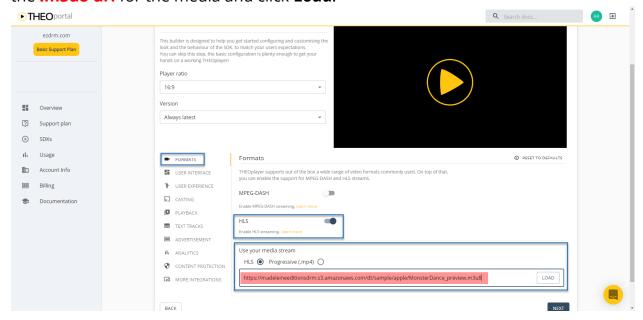




#### Enter the **SDK Name** and click **Next**.



Under **Formats**, enable **HLS** streaming and select **HLS** for the media stream. Enter the .m3u8 url for the media and click **Load**.

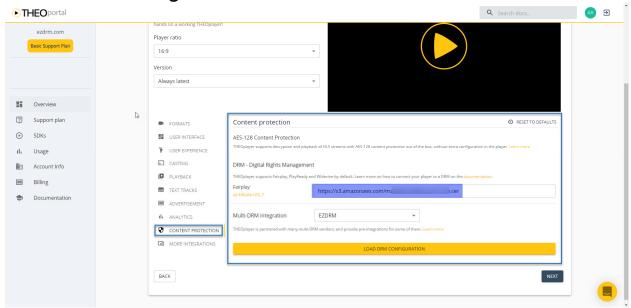




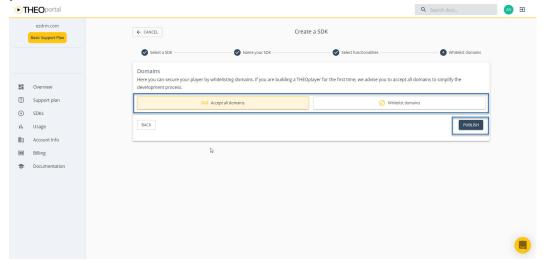
Under **Content Protection** enter the **FairPlay Certificate URL** (discussed in previous section).

Under Multi-DRM integration, select **EZDRM**.

# Click Load DRM Configuration.

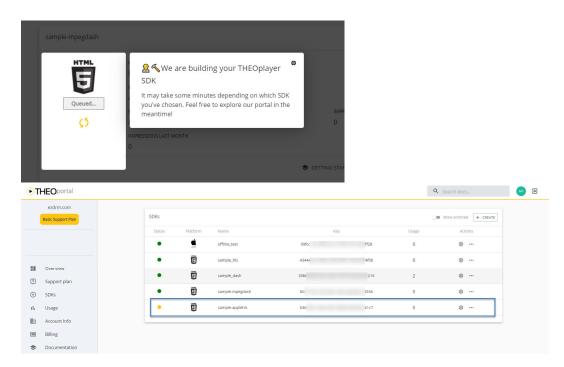


The player will now display the content for playback testing. Click **Next**. Whitelist domains if required, otherwise **Accept all domains**. Click **Publish** to publish the SDK.





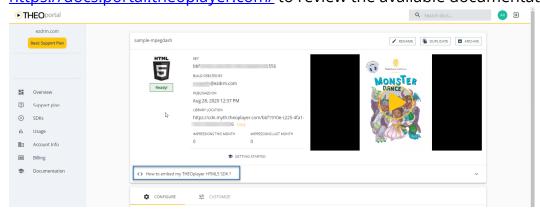
It may take a few minutes for THEOplayer SDK to publish, the Status will show yellow for pending, or green when complete.



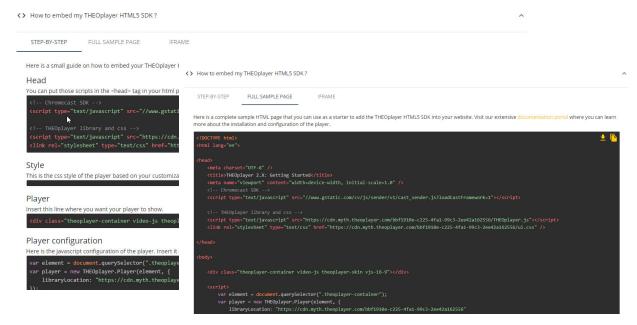


# Sample HTML for HLS

More information is provided in the THEOportal for embedding HTML5 SDK, under the SDK click "How to embed my THEOplayer HTML5 SDK?" or visit <a href="https://docs.portal.theoplayer.com/">https://docs.portal.theoplayer.com/</a> to review the available documentation.



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<head>

<meta charset="UTF-8" />
<title>THEOplayer 2.X: Getting Started</title>
```



```
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <!-- Chromecast SDK -->
    <script type="text/javascript" src="//www.gstatic.com/cv/js/sender/v1/cast_sender.js?loadCastFramework</pre>
=1"></script>
    <!-- THEOplayer library and css -->
   <script type="text/javascript" src="https://cdn.myth.theoplayer.com/4344eaca-3096-4ea8-9d08-736043df4f</pre>
0b/THEOplayer.js"></script>
    <link rel="stylesheet" type="text/css" href="https://cdn.myth.theoplayer.com/4344eaca-3096-4ea8-9d08-7</pre>
36043df4f0b/ui.css" />
</head>
<body>
    <div class="theoplayer-container video-js theoplayer-skin vjs-16-9"></div>
    <script>
        var element = document.querySelector(".theoplayer-container");
        var player = new THEOplayer.Player(element, {
            libraryLocation: "https://cdn.myth.theoplayer.com/4344eaca-3096-4ea8-9d08-736043df4f0b"
        });
        // OPTIONAL CONFIGURATION
        // Customized video player parameters
        player.source = {
            sources: [{
                "src": "YOURM3U8URL.m3u8",
                "type": "application/x-mpegurl",
                "contentProtection": {
                    "integration": "ezdrm",
                    "fairplay": {
                        "licenseAcquisitionURL": "https://s3.amazonaws.com/XXXXXXXdrm/me.cer"
                    }
                }
            }],
```



# **Additional Information**

For additional questions and comments please contact <a href="mailto:simplify@ezdrm.com">simplify@ezdrm.com</a>.