

EZDRM Integration VideoJS Player

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Introduction

This document outlines the steps necessary to successfully integrate EZDRM with the VideoJS player.

VideoJS accepts streams from an MPEG-DASH (*.mpd) file for Microsoft PlayReady and Google Widevine and a *.m3u8 file for Apple FairPlay and HLS.

For information about the VideoJS web video player, see:

- VideoJS player homepage: <https://videojs.com/>
- VideoJS player online guide: <https://docs.videojs.com/>

Requirements

1. Basic understanding of HLS, MPEG/DASH, and other streaming protocols and formats.
2. VideoJS Player HTML Plug-in Code.

Sample Code Files

EZDRM provides complete sample files that you can configure and use:

- all_tech.html [Widevine, PlayReady, and FairPlay]

You can download these files at:

<https://accounts.ezdrm.com/downloads/Players/VideoJS/ezdrm-videojs-samples.zip>

The following sections show how to customize the html file.

Widevine/PlayReady Universal DRM

MPEG-DASH requires 3 values:

1. The **.mpd URL**
2. The **Widevine Proxy URL**
3. The **PlayReady Proxy URL**

Obtaining a PX Value

You will need your six-digit PX value as part of the Proxy 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 <https://hs.ezdrm.com/hubfs/Documentation/EZDRM-Testing-Playback-v2.2.pdf?hsLang=en> for more details on how to find your PX value.

Proxy URL - Widevine

For Widevine, the base proxy URL is:

<https://widevine-dash.ezdrm.com/proxy?pX=XXXXXX>

Replace **XXXXXX** with your PX Value.

Proxy URL - PlayReady

For PlayReady, the base proxy URL is:

<https://playready.ezdrm.com/cency/preauth.aspx?pX=XXXXXX>

Replace **XXXXXX** with your PlayReady PX Value.

Apple FairPlay DRM for HLS

Apple FairPlay requires 3 values.

1. The **.m3u8 URL**
2. The **license_uri**
 - The base license_uri in the previous format:
'https://fps.ezdrm.com/api/licenses/<<ASSET-ID>>'
 - The base license_uri in **SPEKE 2.X and CPIX 2.X** format:
'https://fps.ezdrm.com/api/licenses/auth?px=XXXXXX'
3. The **FPS cert URL**
 - This is the .cer file provided by Apple. This URL should be either on your Website or CDN.

Sample Script

The following is a sample of the HTML update using Widevine, PlayReady and FairPlay DRM.

```
<!DOCTYPE html>
<html>

<head>
<link rel=stylesheet media='all' type='text/css' href='https://vjs.zencdn.net/8.6.1/video-js.css'/>
<style> .vjs-poster{ background-size: 100% !important; } </style>
<script src='https://vjs.zencdn.net/8.6.1/video.min.js'></script>
<script src='https://cdn.jsdelivr.net/npm/videojs-contrib-eme@5.0.1/dist/videojs-contrib-eme.min.js'></script>
<title>VideoJS SAMPLE PLAYER</title>
</head>

<body>

<video-js id='sample' controls preload='auto' class='vjs-16-9 vjs-big-play-centered' ></video-js>

<script type='text/javascript'>
(function() {
  var vid = document.getElementById('sample');
  var player = videojs(vid);
  player.eme();
  player.on('ready', function() {
    var dashsrc = {
```

```

    src: '<< HTTPS LOCATION OF YOUR MPD FILE>>',
    type: 'application/dash+xml',
    keySystems: {
      'com.microsoft.playready': 'https://playready.ezdrm.com/cency/preauth.aspx?pX=XXXXX',
      'com.widevine.alpha': 'https://widevine-dash.ezdrm.com/proxy?pX=XXXXXX'
    }
  };

  var fairplaysrc = {
    src: '<<HTTPS LOCATION OF YOUR M3U8 FILE>>',
    type: 'application/x-mpegURL',
    keySystems: {
      'com.apple.fps.1_0': {
        certificateUri: '<<HTTPS LOCATION OF YOUR CERTIFICATE>>',
        licenseUri: 'https://fps.ezdrm.com/api/licenses/auth?px=XXXXXX',
        options: {
          persistentState: 'required'
        }
      }
    }
  };

  if (videojs.browser.IS_ANY_SAFARI){
    player.src(fairplaysrc);
  } else if(videojs.browser.IS_IOS && videojs.browser.IS_CHROMIUM) {
    player.src(fairplaysrc);
  } else {
    player.src(dashsrc);
  }
});

})();
</script>
</body>

</html>

```

```

1  <!DOCTYPE html>
2  <html>
3
4  <head>
5  <link rel=stylesheet media='all' type='text/css' href='https://vjs.zenodn.net/8.6.1/video-js.css'/>
6  <style> .vjs-poster{ background-size: 100% !important; } </style>
7  <script src='https://vjs.zenodn.net/8.6.1/video.min.js'></script>
8  <script src='https://cdn.jsdelivr.net/npm/videojs-contrib-eme@5.0.1/dist/videojs-contrib-eme.min.js'></script>
9  <title>VideoJS SAMPLE PLAYER</title>
10 </head>
11
12 <body>
13
14 <video-js id='sample' controls preload='auto' class='vjs-16-9 vjs-big-play-centered' ></video-js>
15
16 <script type='text/javascript'>
17 (function() {
18   var vid = document.getElementById('sample');
19   var player = videojs(vid);
20   player.eme();
21   player.on('ready', function() {
22     var dashsrc = {
23       src: 'https://ezdrm.s3.amazonaws.com/2024/videojs/multi-dash.mpd',
24       type: 'application/dash+xml',
25       keySystems: {
26         'com.microsoft.playready': 'https://playready.ezdrm.com/cency/preauth.aspx?px=E0...',
27         'com.widevine.alpha': 'https://widevine-dash.ezdrm.com/proxy?px=B0...'
28       }
29     };
30
31     var fairplaysrc = {
32       src: 'https://ezdrm.s3.amazonaws.com/2024/videojs/h264-master.m3u8',
33       type: 'application/x-mpegURL',
34       keySystems: {
35         'com.apple.fps.1_0': {
36           certificateUri: 'https://fps.ezdrm.com/support/sample.cer',
37           licenseUri: 'https://fps.ezdrm.com/api/licenses/auth?px=F...',
38           options: {
39             persistentState: 'required'
40           }
41         }
42       }
43     };
44     if (videojs.browser.IS_ANY_SAFARI){
45       player.src(fairplaysrc);
46     } else if (videojs.browser.IS_IOS && videojs.browser.IS_CHROMIUM) {
47       player.src(fairplaysrc);
48     } else {
49       player.src(dashsrc);

```

For more detail, see <https://hs.ezdrm.com/hubfs/Documentation/EZDRM-Testing-Playback-v2.2.pdf?hsLang=en>

Additional Information

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