

EZDRM Packaging Dolby Hybrik

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Version 1.0 / June 17, 2021

Introduction

The following document outlines the steps necessary to successfully encrypt and package a file with EZDRM using Dolby Hybrik.

The following are required for packaging:

1. Dolby Hybrik account
2. Amazon S3 or Google Cloud Account
3. CURL / Postman knowledge (examples utilize Postman)
4. EZDRM account

For more details on the Hybrik API visit

<https://docs.hybrik.com/api/v1/HybrikAPI.html?#getting-started>

Here's the link to download the sample JSONs:

<https://www.ezdrm.com/downloads/hybrik/hybrik-sample-fairplay.zip>

Generating Keys - Widevine/PlayReady

Below are the steps to create the DRM Keys for encryption for Widevine and PlayReady.

To request the DRM keys from EZDRM to package the media, there are two options, you can call the EZDRM web service in a browser, or you can script this process with curl or other web service calls.

Option 1: Request DRM keys using EZDRM Web Service

1. Call the EZDRM web service in a browser:
<https://cpix.ezdrm.com/keygenerator/cpix.aspx?k=kid&u=username&p=password&c=hyb-001>

The parameters are as follows:

Parameter	Description
k	kid or Key ID value (client generated) in GUID format*
u	EZDRM username
p	EZDRM password
c	Content ID – generic resource name/identifier (client generated) – passed into id field

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

Key Value Definitions

Here are the descriptions of the key values returned by EZDRM:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<cpix:CPIX xmlns:cpix="urn:dashif:org:cpix" xmlns:pskc="urn:ietf:params:xml:ns:keyprov:pskc" id="hyb-001">
  <cpix:ContentKeyList>
    <cpix:ContentKey kid="582a-06ab-0013-ae533c-8" explicitIV="WCq8DA" pe+A==">
      <cpix:Data>
        <pskc:Secret>
          <pskc:PlainValue>EUAH<bI8wCg==</pskc:PlainValue>
        </pskc:Secret>
      </cpix:Data>
    </cpix:ContentKey>
  </cpix:ContentKeyList>
  <cpix:DRMSysSystemList>
    <cpix:DRMSysSystem kid="582a-06ab-41ef-0013-ae533c-f8" systemId="edef8ba9-79d6-4ace-a3c8-000000000000" id=">
      <cpix:PSSH>AAAAAdn8zc2gAAAAA7e+lqXmI5s6jyCfc1R0h7QAAAFYIARIQkC...099IiudHjY2t:IfjbIINE119Kg3TRA==</cpix:PSSH>
      <cpix:ContentProtectionData>
        <cpix:DRMSysSystem kid="582a-06ab-0013-ae533c-f8" systemId="9a04f079-0000-4286-ab92-e65be-000000000000" id=">
          <cpix:PSSH>AAADbn8zc2gAAAAAngTweZhaQoarkuzb41h1QAAUbmAgAAQAABANuCPABXAFIATQ...AQAcgbvAHAbwBmAHQALgBJAG8AbQvAEQAUgBNACBAhgAw#
          <cpix:ContentProtectionData>gIzchIGchJvPjVnSUF8QUVbQVFE...7FcakFISUF1d03eQuCQvpmQJBE
        </cpix:ContentProtectionData>
      </cpix:DRMSysSystem>
    </cpix:DRMSysSystemList>
  </cpix:DRMSysSystemList>
</cpix:CPIX>
```

- **id** – c value returned, generic resource name/identifier (client generated)
- **kid** – Key ID in GUID format (client generated)*
- **pskc:Secret key**– the Secret Content Encryption Key in Base 64 generated by EZDRM and returned as a plain value
- **ContentProtectionData (PlayReady)** – The modular specific protection system specific header (PSSH) data for the encryption process; Base 64 encoded.

*NOTE: Decode from Base 64 to Text format to get the **playready_pssh** value*

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

Here is the example XML return:

```
<cpix:CPIX xmlns:cpix="urn:dashif:org:cpix" xmlns:pskc="urn:ietf:params:xml:ns:keyprov:pskc" id="hyb-001">
  <cpix:ContentKeyList>
    <cpix:ContentKey kid="582aXXXX-XXXX-41ef-XXX-ae533ccaXXXX" explicitIV="WCq8DAXXXXXXE65TPMpe+A==">
      <cpix:Data>
        <pskc:Secret>
          <pskc:PlainValue>sU+XXXXXXavSN0aXbXXXXX==</pskc:PlainValue>
        </pskc:Secret>
      </cpix:Data>
```


Option 2: Request DRM keys with curl

The second option to request DRM keys from EZDRM is to script the process with curl or another web service call.

Using EZDRM's web service, the curl script below retrieves the DRM values from the web service.

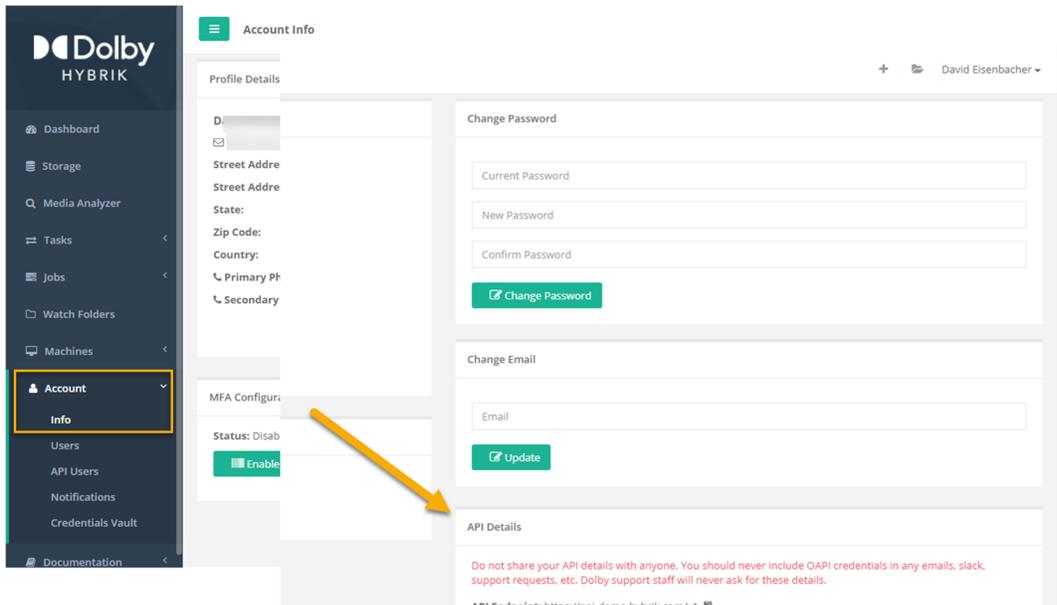
```
curl -v https://cpix.ezdrm.com/keygenerator/cpix.aspx?k=kid&u=username&p=password&c=hyb-001
```

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

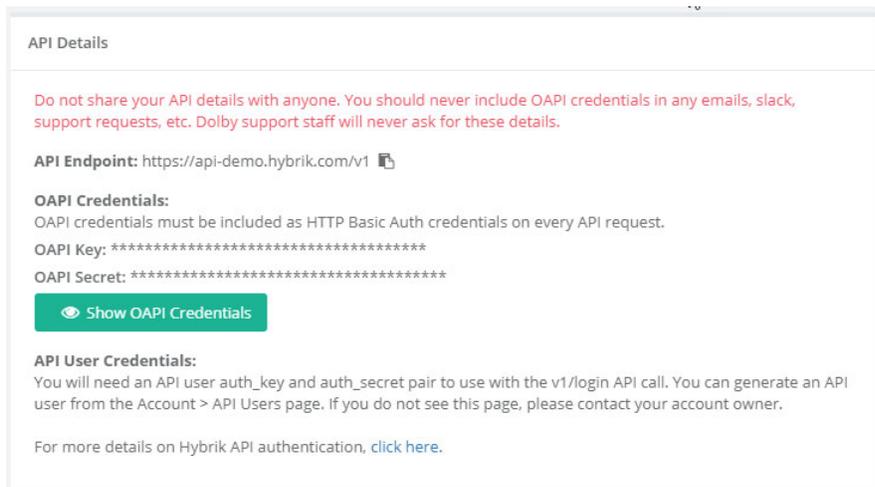
DRM for Widevine/PlayReady CENC

Hybrik API Keys

When logged into Dolby Hybrik, find **API Details** under the **Account/Info** menu.

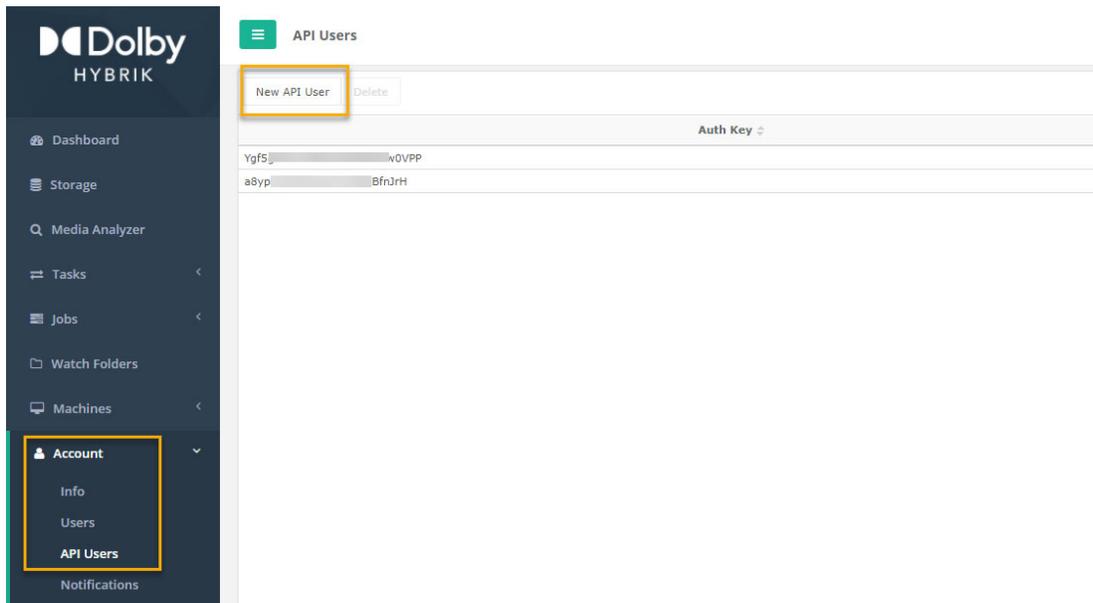


Capture the **OAPI Key** and **OAPI Secret Key**. OAPI credentials must be included as HTTP Basic Auth credentials on every API request.



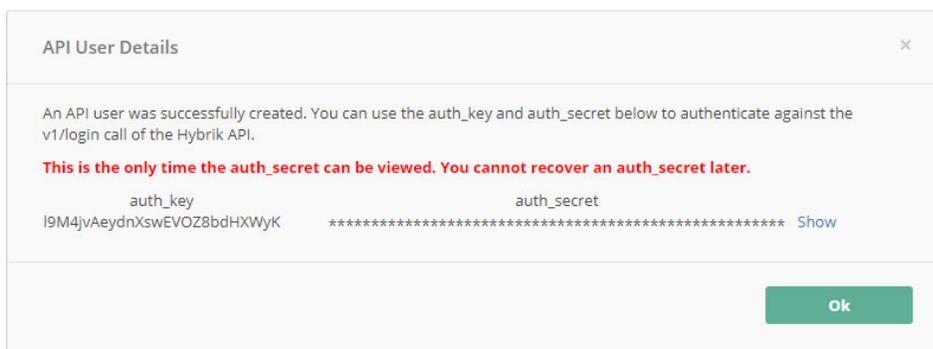
API Users

To create a New API User, under **Account/API Users** click the **New API User** button.



Click **OK** to confirm creation of the new user.

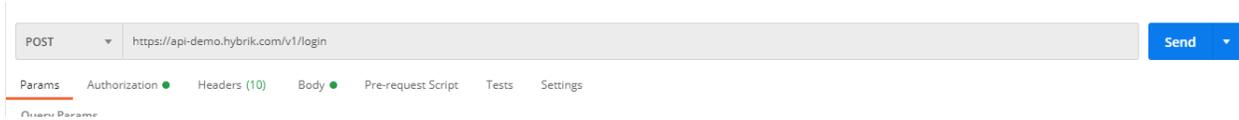
API User Details will be provided. The **auth_key** and **auth_secret** will be used to authenticate against the v1/login call of the Hyrbik API. Save your **auth_secret** key (see note below).



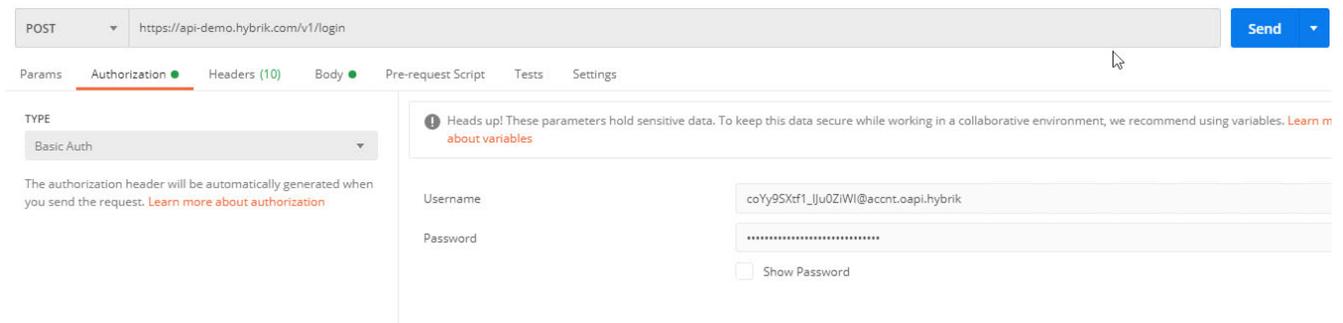
Note: The auth_secret key can only be viewed at this time – be sure to capture and save the auth_secret. You cannot recover an auth_secret later.

POST Request in Postman - Security Token

1. In Postman, create **POST** request to the API <https://api-demo.hybrik.com/v1/login>

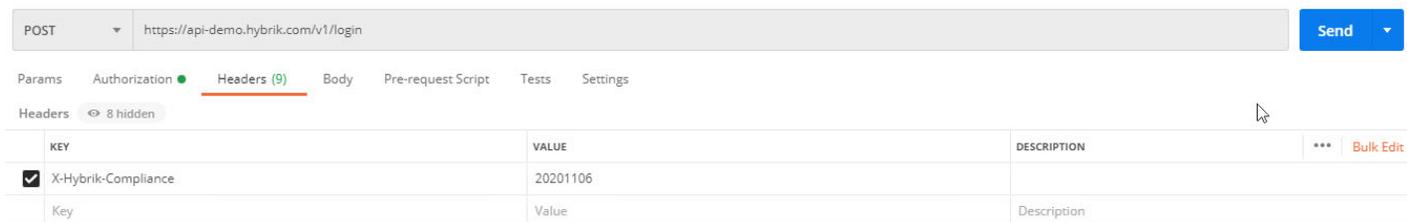


2. Under **Authorization**, select Type: **Basic Auth** and enter your **Hybrik OAPI Key (Username)** and **Hybrik OAPI Secret Key (Password)**.



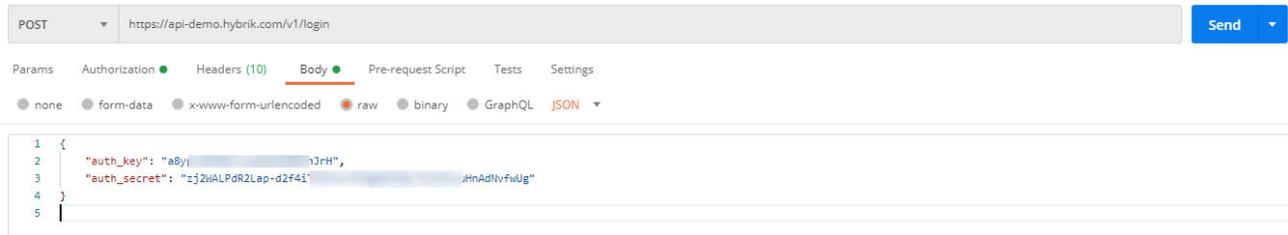
3. Under **Headers**, add the following Header:

- **X-Hybrik-Compliance** – enter value: current date (YYMMDD format)



4. Build the Body of the request:

- Click “Body” Tab and select **raw** and the format is **JSON**.
- Enter the following parameters:
 - **auth_key**
 - **auth_secret**

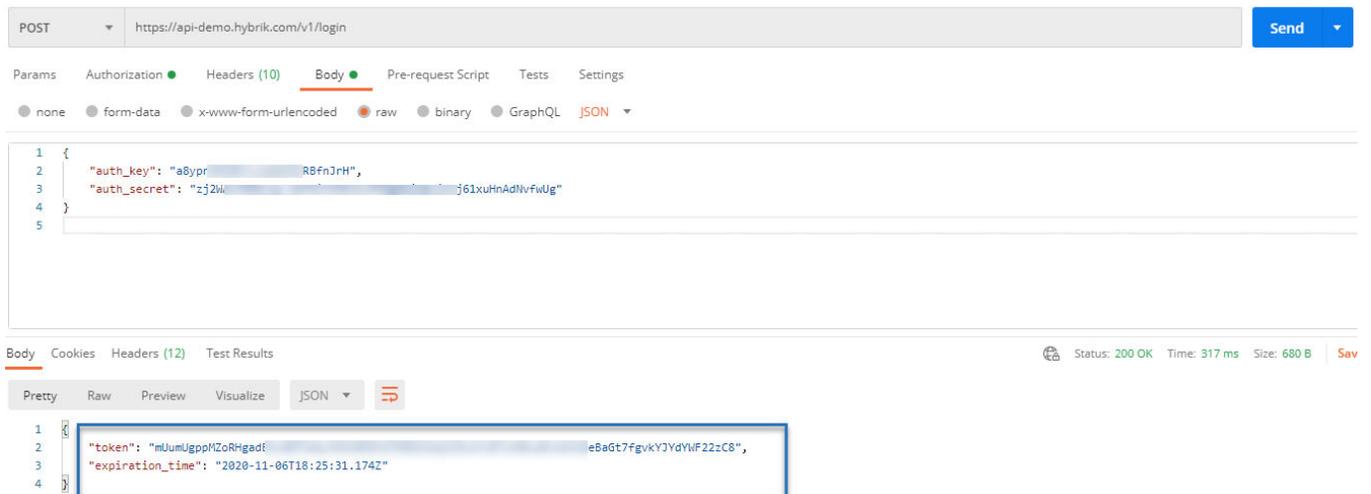


```

{
  "auth_key": "8yprXXXXXXXXXXXX9jRBfXXXX"
  "auth_secret": "zj2XXXXXXXXXX-d2f4iXXXXXXXXXXXXXXXXXXXXj61xuHnAdNXXXXg"
}

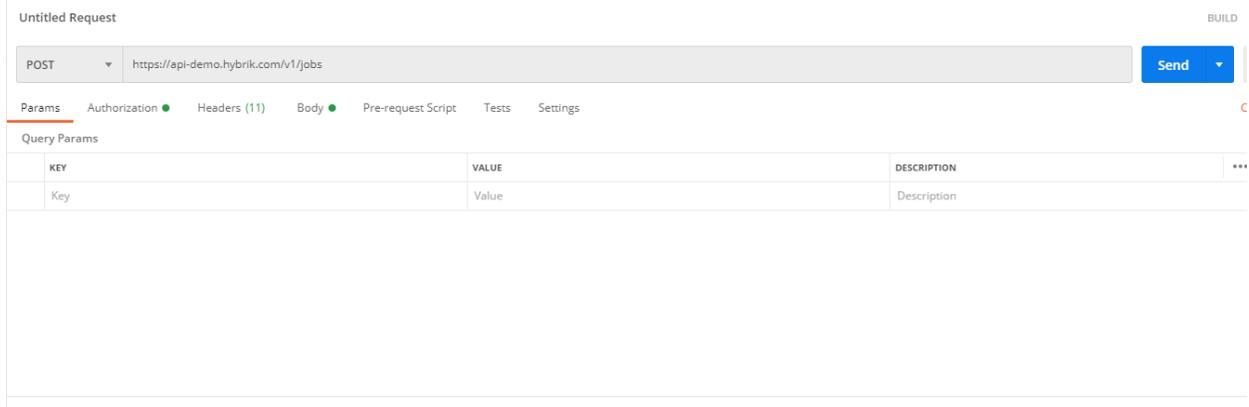
```

5. Click **SEND**. The expected response is the security **Token** that confirms login to the Hybrik API. The token will expire by the **expiration_time** if actions are not taken against the API within that timeframe. Every new action will extend the token.

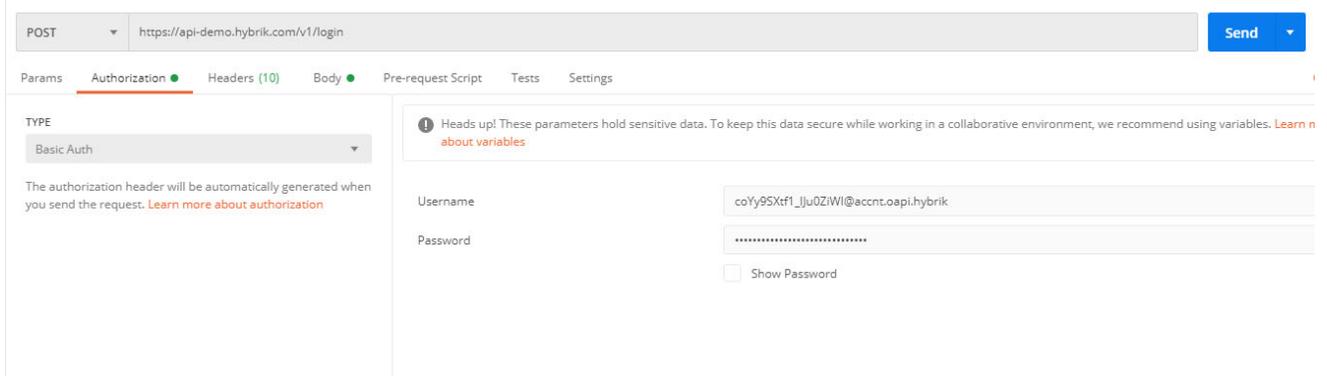


POST Request in Postman - Send Job and Tasks

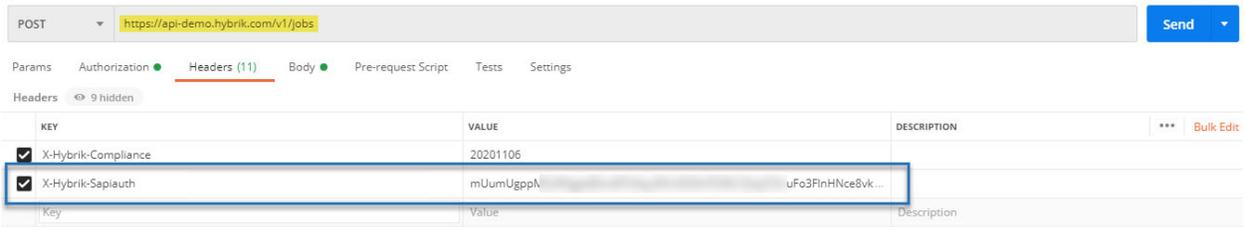
1. In Postman, create **POST** request to the API <https://api-demo.hybrik.com/v1/jobs>



2. Under **Authorization**, select Type: **Basic Auth** and enter your **Hybrik OAPI Key (Username)** and **Hybrik OAPI Secret Key (Password)**.



3. Under **Headers**, add the following Header:
 - **X-Hybrik-Compliance** – enter value: current date (YYMMDD format)
 - **X-Hybrik-Sapiauth** – enter the security **Token** from **Step 5** in the last section



KEY	VALUE	DESCRIPTION
X-Hybrik-Compliance	20201105	
X-Hybrik-Sapiauth	mUmUgppM... uFo3FinHNce8vk...	



```

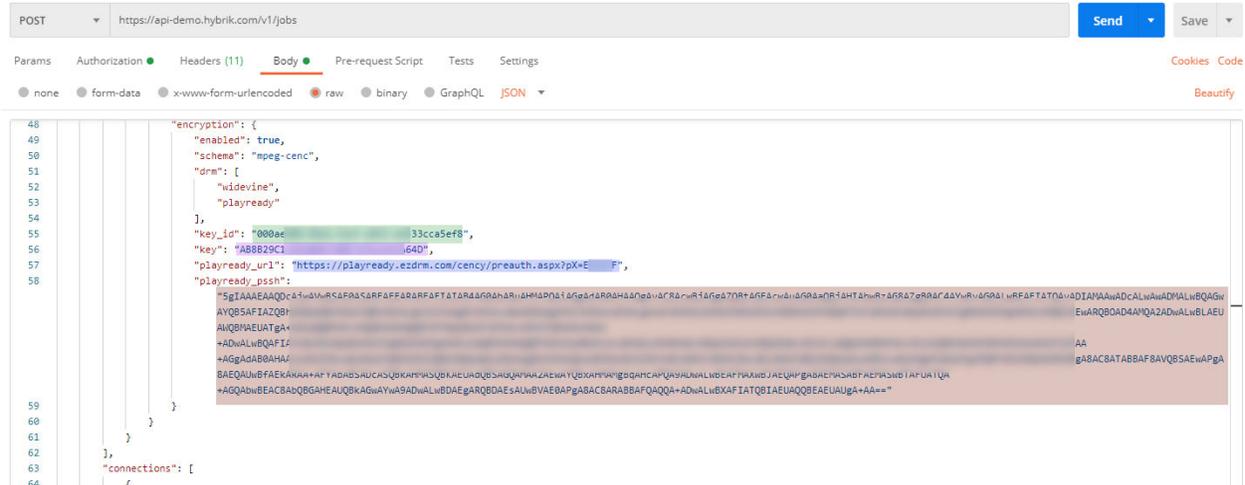
1 {
2   "token": "mUmUgppMZoRHga...t7fgvkY3YdYhF22zC8",
3   "expiration_time": "2020-11-06T18:25:31.174Z"
4 }

```

4. Build the Body of the request:

- Click "Body" Tab and select **raw** and the format is **JSON**.

5. Enter the following parameters:



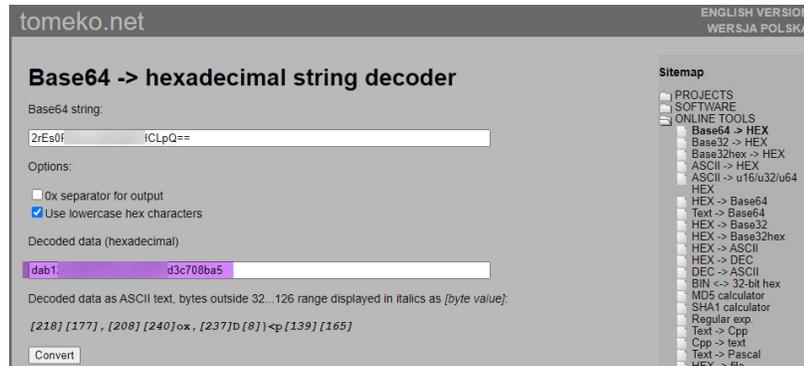
```

48   "encryption": {
49     "enabled": true,
50     "schema": "mpeg-cenc",
51     "drm": [
52       "widevine",
53       "playready"
54     ],
55     "key_id": "f000ae...33cca5ef8",
56     "key": "AB8B29C1...64D",
57     "playready_ur1": "https://playready.ezdrm.com/cency/preauth.aspx?px=E...",
58     "playready_pssh":
59       "SgTAAEAADQc4...EwARQBODAAVQA2ADuALuBLAEU
60     ],
61   },
62   "connections": [
63     {
64

```

- input:** location of the file to be encoded (S3 bucket, etc. where the .mp4 can be downloaded) * if utilizing S3, locations should be set to Public
- output:** location of the encoded output file to be encoded (S3 bucket, etc.) * if utilizing S3, locations should be set to Public, and CORS Access-Control-Allow-Origin

- **key_id**: Content Key **kid** in GUID format (client generated)
- **key**: use the **pskc:Secret key** value and decode from Plain Value Base 64 to HEX format in lowercase. An example decoder can be found at: https://tomeko.net/online_tools/base64.php?lang=en



pskc:Secret key (Base 64) = 2rEsXXXXXXXXXXAh9PHCLpO==



key (HEX) = DAB1XXXXF06FXXXED4XXXD3C708BA5

- **playready_url**: provided by EZDRM including your **PX Value**.

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

Note: Your PlayReady **PX value** is the last six characters of your PlayReady Profile ID. The appropriate one is required for all packagers you use. For more details on how to find your PX value visit:

https://www.ezdrm.com/Documentation/EZDRM_Testing_Playback_v2.pdf

- **ContentProtectionData (PlayReady)** – The modular specific protection system specific header (PSSH) data for the encryption process; Base 64 encoded.

AEwAPgA8AEQAUwBfAEkARAA+AFYAbABSADcASQBkAHMASQBKAEUAdQBSAGQAMAA2AEwAYQBxA
 HMAMgBqAHcAPQA9ADwALwBEAFMAXwBJAEQAPgA8AEMASABFAEMASwBTAFUATQA+AHQAUAA2A
 EsAdwA3AGkAdQBAGIAOAA9ADwALwBDaEgARQBDAEsAUwBVAE0APgA8AC8ARABBAFQAQA+AD
 wALwBXAFIATQBIAEUAAQBEAEUAUgA+AA==

Note: Widevine PSSH is not necessary

```
{
  "name": "pr/wv-003",
  "payload": {
    "elements": [
      {
        "uid": "source_file",
        "kind": "source",
        "payload": {
          "kind": "asset_url",
          "payload": {
            "storage_provider": "s3",
            "url": "s3://ezdrm-sample-content/BigBuckBunny_320x180.mp4" // S3 source location
          }
        }
      },
      {
        "uid": "dash_encrypted_packaging",
        "kind": "package",
        "payload": {
          "location": {
            "storage_provider": "s3",
            "path": "s3://ezdrm-demos/hybrik/output/both003", //output path
            "attributes": [
              {
                "name": "ContentType",
                "value": "application/dash+xml"
              }
            ]
          },
          "file_pattern": "manifest.mpd", //output type
          "kind": "dash", //document type
          "uid": "main_manifest",
          "force_original_media": false,
          "media_location": {
            "storage_provider": "s3",
            "path": "s3://ezdrm-demos/hybrik/output/both003", //output path

```


Job ID	Job Name	Created	Task Count	Progress	Preview	Status
4059515	pr/wy-004	Nov/06/2020 12:42:37 PM	1	<div style="width: 100%; height: 10px; background-color: green;"></div>		completed
4058123	hls-003abc123	Nov/03/2020 03:17:48 PM	1	<div style="width: 100%; height: 10px; background-color: green;"></div>		completed
4058090	pr/wy-003	Nov/03/2020 01:10:12 PM	1	<div style="width: 100%; height: 10px; background-color: green;"></div>		completed
4058033	hls-003abc	Nov/03/2020 11:04:29 AM	1	<div style="width: 100%; height: 10px; background-color: green;"></div>		completed

The output files will be created in the specified file location.

Name	Type	Last modified
BigBuckBunny_320x180-audio-eng-mp4a.mp4	mp4	November 6, 2020, 12:43 (UTC-05:00)
BigBuckBunny_320x180-video-avc1.mp4	mp4	November 6, 2020, 12:43 (UTC-05:00)
manifest.mpd	mpd	November 6, 2020, 12:43 (UTC-05:00)

Testing Playback

When testing playback, use the **Widevine License Acquisition URL** that includes:

1. The base URL with your account **PX value**
2. **Key ID**

The base URL is: <https://widevine-dash.ezdrm.com/widevine-php/widevine-foreignkey.php?px=XXXXXX&kid=5XXXXXX3-36XX-5XX8-8XX1-10XXXXXXXXXXb>

For more details testing playback, visit:

https://www.ezdrm.com/Documentation/EZDRM_Testing_Playback_v2.pdf

Generating Keys - Apple FairPlay HLS

To request the DRM keys from EZDRM to package the media, there are two options, you can call the EZDRM web service in a browser, or you can script this process with curl or other web service calls.

Option 1: Request DRM keys using EZDRM Web Service

1. Call the EZDRM web service in a browser:

<https://cpix.ezdrm.com/keygenerator/cpix.aspx?k=kid&u=username&p=password&c=may2020->

The parameters are as follows:

Parameter	Description
k	kid or Key ID value (client generated) in GUID format*
u	EZDRM username
p	EZDRM password
c	Content ID – generic resource name/identifier (client generated) – passed into id field

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

Key Value Definitions

Here are the descriptions of the key values returned by EZDRM:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```

<cpix:CPIX xmlns:cpix="urn:dashif:org:cpix" xmlns:pskc="urn:ietf:params:xml:ns:keyprov:pskc" id="hyb-001">
  <cpix:ContentKeyList>
    <cpix:ContentKey kid="000ae000-533cca5ef8" explicitIV="AArgA...?Mpe+A==">
      <cpix:Data>
        <pskc:Secret>
          <pskc:PlainValue>q4sp<GmTQ==</pskc:PlainValue>
        </pskc:Secret>
      </cpix:Data>
    </cpix:ContentKey>
  </cpix:ContentKeyList>
  <cpix:DRMSystemList>
    <cpix:DRMSystem kid="000ae000-533cca5ef8" systemId="edef8ba9-79d...-27dcd51d21ed">
      <cpix:PSSH>AAAAdnBzc2...XnW5s6jyCfc1R0h7QAAAFYIARIQAArgAAarQe+...oIbW92awRvbmUimnsia21kIjoiQUFYZ0FBYXRJZStnRTY1VFBNcGUrQ
      <cpix:ContentProtectionData/>
    </cpix:DRMSystem>
  </cpix:DRMSystemList>
</cpix:CPIX>

```

- **id** – c value returned, generic resource name/identifier (client generated)
- **kid** – Key ID in GUID format (client generated)*
- **pskc:Secret key**– the Secret Content Encryption Key in Base 64 generated by EZDRM and returned as a plain value
- **explicitIV** – the Apple FairPlay explicit IV value

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

Here is the example XML return:

```
<cpix:CPIX xmlns:cpix="urn:dashif:org:cpix" xmlns:pskc="urn:ietf:params:xml:ns:keyprov:pskc" id="hyb-001">
<cpix:ContentKeyList>
<cpix:ContentKey kid="000aXXXX-06ab-XXXX-a013-ae533ccXXXX8" explicitIV="AAreXXXr0e+eFXXXXXpe+A==">
<cpix:Data>
<pskc:Secret>
<pskc:PlainValue>g4sXXXXXAGF0vFKRKXXXT0==</pskc:PlainValue>
</pskc:Secret>
</cpix:Data>
</cpix:ContentKey>
</cpix:ContentKeyList>
```

Option 2: Request DRM keys with curl

The second option to request DRM keys from EZDRM is to script the process with curl or another web service call.

Using EZDRM's web service, the curl script below retrieves the DRM values from the web service.

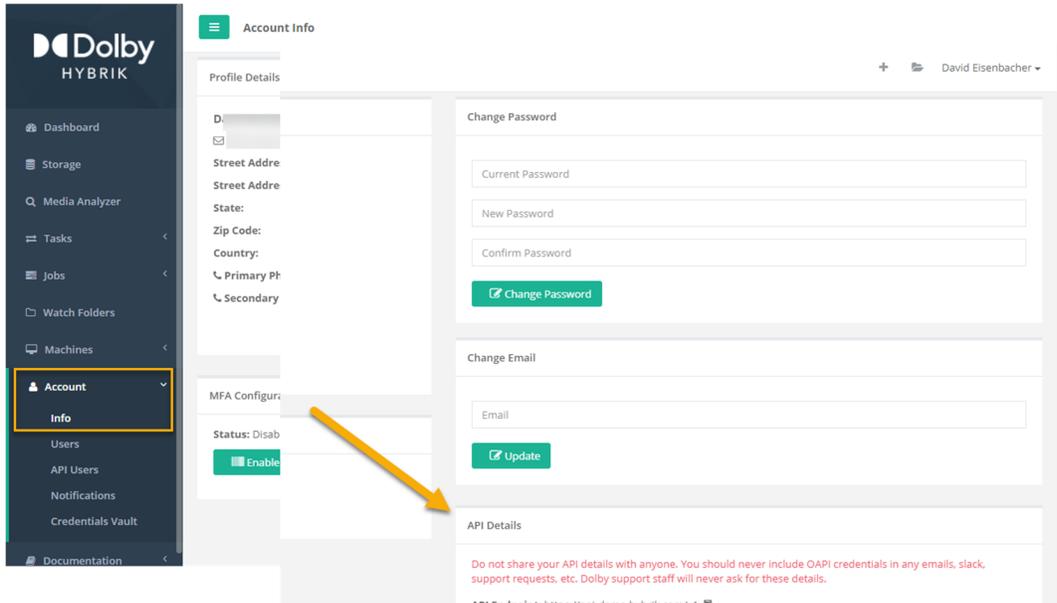
```
curl -v https://cpix.ezdrm.com/keygenerator/cpix.aspx?k=kid&u=username&p=password&c=may2020-
```

* To generate a GUID for the k value, you can use a GUID generator like the one found here: <http://guid-convert.appspot.com>.

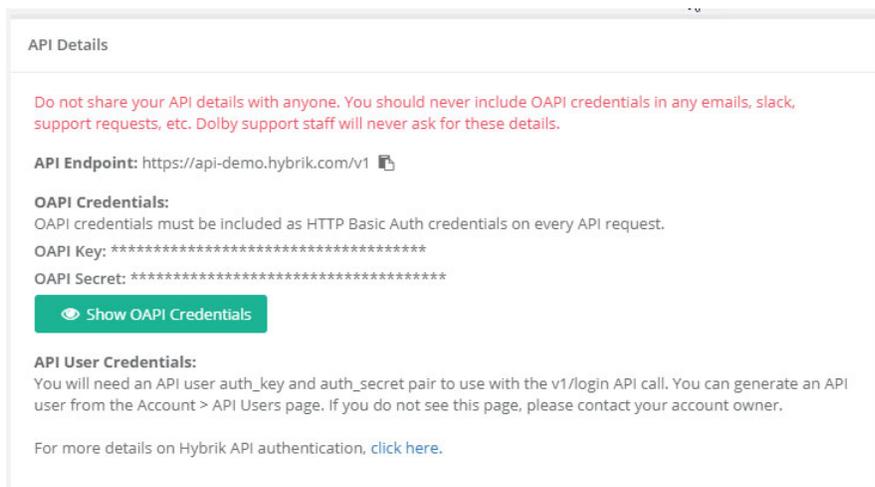
Apple FairPlay DRM for HLS

Hybrik API Keys

When logged into Dolby Hybrik, find **API Details** under the **Account/Info** menu.

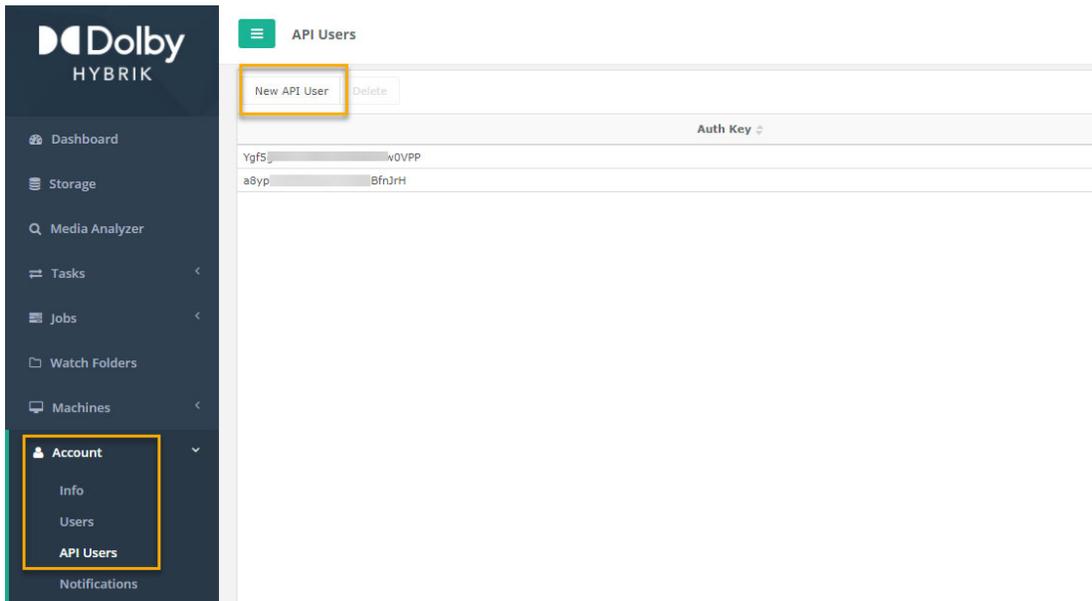


Capture the **OAPI Key** and **OAPI Secret Key**. OAPI credentials must be included as HTTP Basic Auth credentials on every API request.



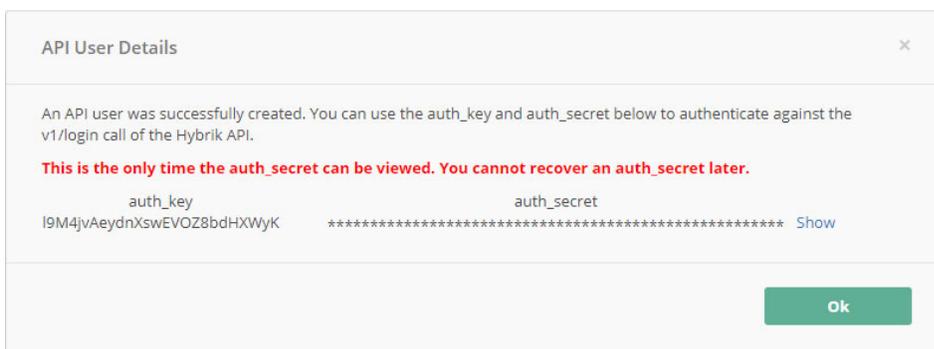
API Users

To create a New API User, under **Account/API Users** click the **New API User** button.



Click **OK** to confirm creation of the new user.

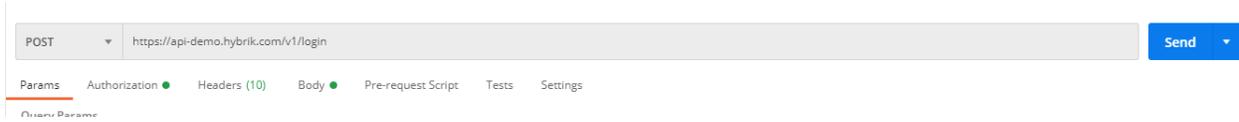
API User Details will be provided. The **auth_key** and **auth_secret** will be used to authenticate against the v1/login call of the Hyrbik API. Save your **auth_secret** key (see note below).



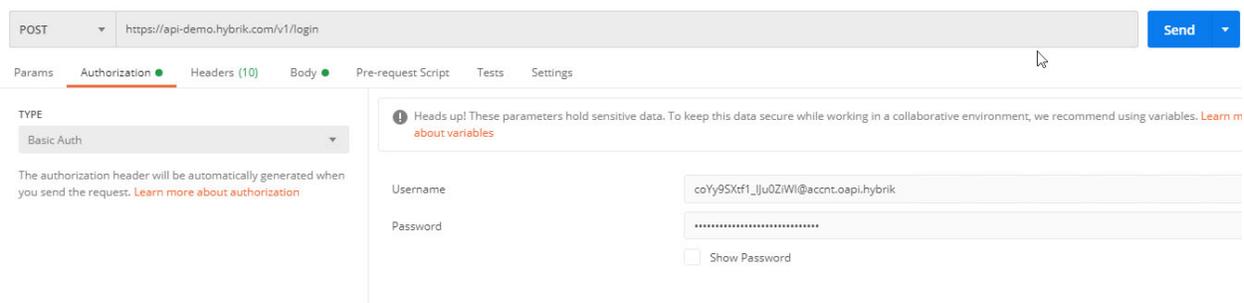
Note: The auth_secret key can only be viewed at this time – be sure to capture and save the auth_secret. You cannot recover an auth_secret later.

POST Request in Postman - Security Token

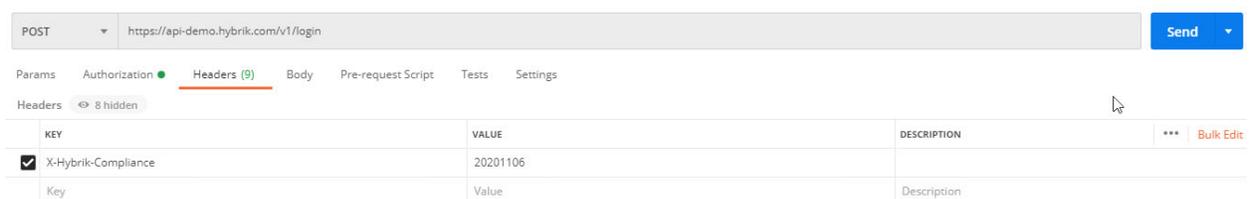
1. In Postman, create **POST** request to the API <https://api-demo.hybrik.com/v1/login>



2. Under **Authorization**, select Type: **Basic Auth** and enter your **Hybrik OAPI Key (Username)** and **Hybrik OAPI Secret Key (Password)**.



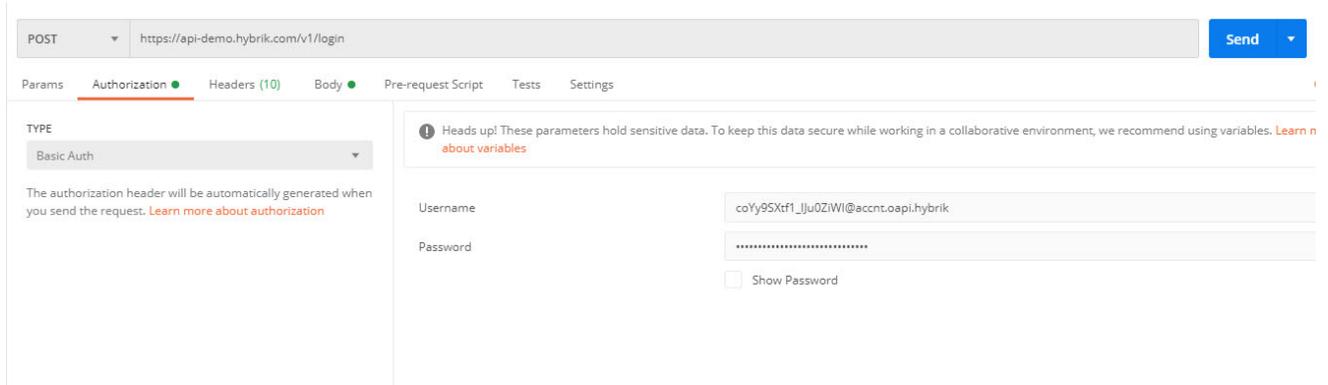
3. Under **Headers**, add the following Header:
 - **X-Hybrik-Compliance** – enter value: current date (YYYYMMDD format)



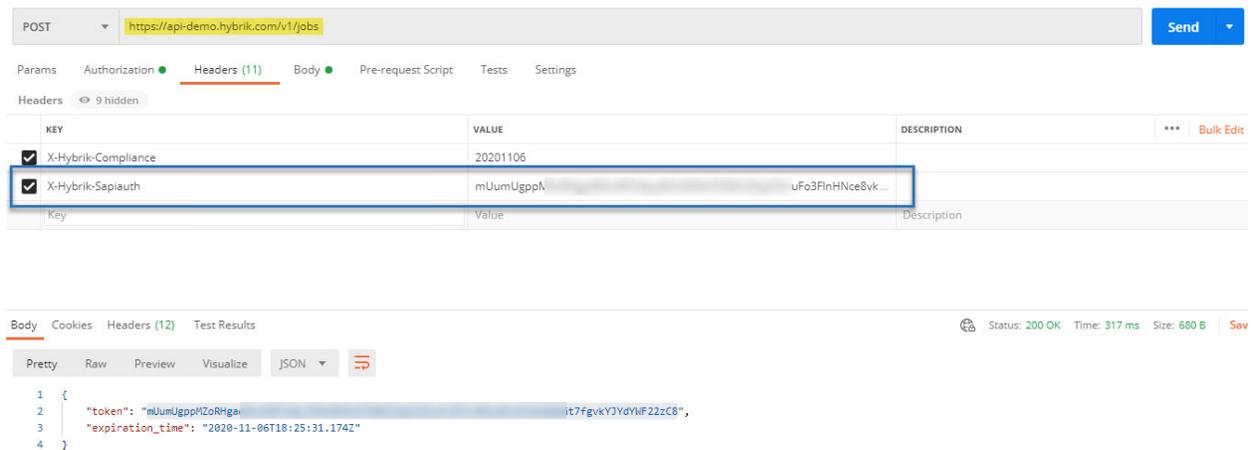
4. Build the Body of the request:
 - a. Click "Body" Tab and select **raw** and the format is **JSON**.
 - b. Enter the following parameters:
 - **auth_key**
 - **auth_secret**

POST Request in Postman - Send Job and Tasks

1. In Postman, create **POST** request to the API <https://api-demo.hybrik.com/v1/jobs>
2. Under **Authorization**, select Type: **Basic Auth** and enter your **Hybrik OAPI Key (Username)** and **Hybrik OAPI Secret Key (Password)**.

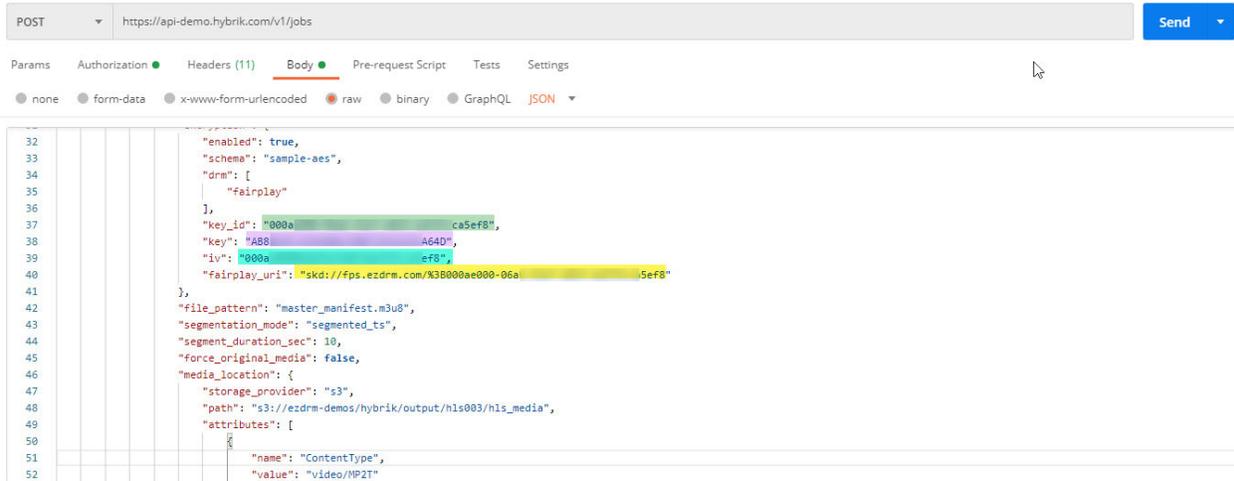


3. Under **Headers**, add the following Header:
 - **X-Hybrik-Compliance** – enter value: current date (YYMMDD format)
 - **X-Hybrik-Sapiauth** – enter the security **Token** from **Step 5** in the last section

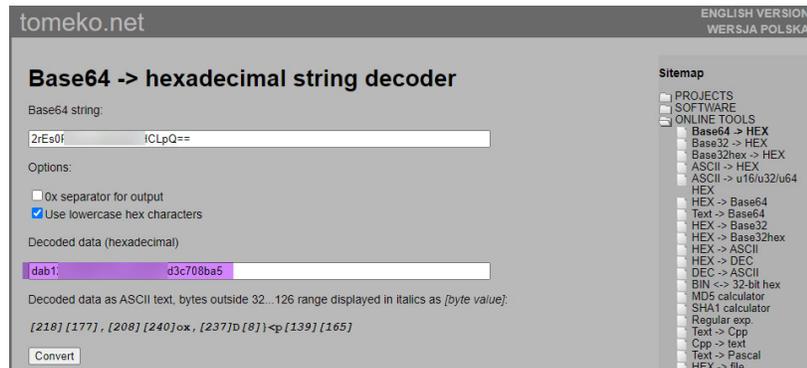


4. Build the Body of the request:

- a. Click “Body” Tab and select **raw** and the format is **JSON**.
- b. Enter the following parameters:



- **input**: location of the file to be encoded (S3 bucket, etc. where the .mp4 can be downloaded) * if utilizing S3, locations should be set to Public
- **output**: location of the encoded output file to be encoded (S3 bucket, etc.) * if utilizing S3, locations should be set to Public, and CORS Access-Control-Allow-Origin
- **key_id**: Content Key **kid** in GUID format (client generated)
- **key**: use the **pskc:Secret key** value and decode from Plain Value Base 64 to HEX format in lowercase. An example decoder can be found at: https://tomeko.net/online_tools/base64.php?lang=en



pskc:Secret key (Base 64) = q4sXXXXXAGFQvFKRKXXXTQ==



key (HEX) = AB8XXXXXXXXXXXX6150BC52912A41A64D

- **IV** – use the **explicitIV** and decode from Plain Value Base 64 to HEX format.

explicitIV (Base 64) = AArgXXXrQe+gEXXXXXpe+A==



encryption iv (HEX) = 000AXXX06ABXXXXA013AE533CCXXXX8

- **fairplay uri**: the base license URL for FairPlay on Hybrik:

skd://fps.ezdrm.com/%3B<<kid>>

Note: **%3B** is used in the uri format for Hybrik, as opposed to the usual semicolon format (skd://fps.ezdrm/;<<kid>>)

```

{
  "name": "hls-003abc123",
  "payload": {
    "elements": [
      {
        "uid": "source_file",
        "kind": "source",
        "payload": {
          "kind": "asset_url",
          "payload": {
            "storage_provider": "s3",
            "url": "s3://ezdrm-sample-content/BigBuckBunny_320x180.mp4" //S3 source location
          }
        }
      },
      {
        "uid": "package_hls",
        "kind": "package",
        "payload": {
          "kind": "hls", //document type
          "location": {
            "storage_provider": "s3",
            "path": "s3://ezdrm-demos/hybrik/output/hls002/hls_manifests", //output location
            "attributes": [
              {
                "name": "ContentType",
                "value": "application/x-mpegURL"
              }
            ]
          },
          "encryption": {
            "enabled": true,
            "schema": "sample-aes",
            "drm": [
              "fairplay"
            ],
            "key_id": "000aXXXX-06ab-XXXX-a013-ae533ccXXXX8",
            "key": "AB8XXXXXXXXXXXX6150BC52912A41A64D",
            "iv": "000aXXXX06abXXXXa013ae533ccXXXX8",
            "fairplay_uri": "skd://fps.ezdrm.com/%3B000aXXXX-06ab-XXXX-a013-ae533ccXXXX8"
          },
          "file_pattern": "master_manifest.m3u8", // m3u8 manifest URL
        }
      }
    ]
  }
}

```

```

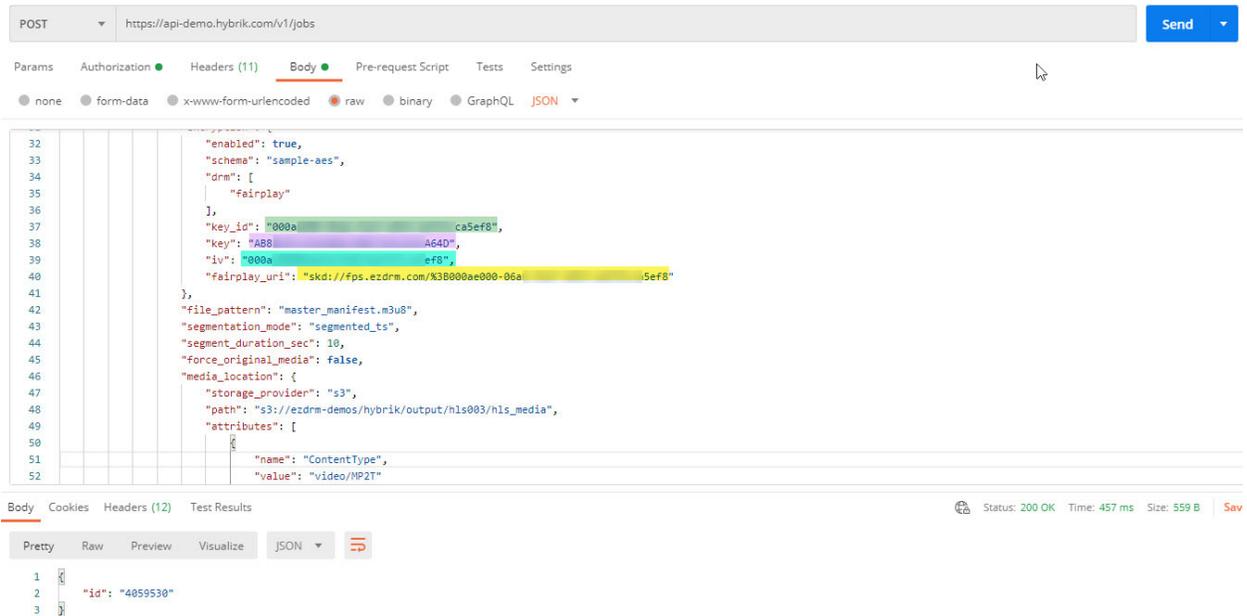
        "segmentation_mode": "segmented_ts",
        "segment_duration_sec": 10,
        "force_original_media": false,
        "media_location": {
            "storage_provider": "s3",
            "path": "s3://ezdrm-demos/hybrik/output/hls002/hls_media", //output location
            "attributes": [
                {
                    "name": "ContentType",
                    "value": "video/MP2T"
                }
            ]
        },
        "media_file_pattern": "bbb.ts",
        "hls": {
            "media_playlist_location": {
                "storage_provider": "s3",
                "path": "s3://ezdrm-demos/hybrik/output/hls002/hls_manifests" // output
            },
            "include_iframe_manifests": true
        }
    },
    ],
    "connections": [
        {
            "from": [
                {
                    "element": "source_file"
                }
            ],
            "to": {
                "success": [
                    {
                        "element": "package_hls"
                    }
                ]
            }
        }
    ]
}

```

Send the Post.

Send Job

The return will include the job **id** – use this value to verify the status of the job in Hyrbik.



The screenshot shows a REST client interface with a POST request to `https://api-demo.hyrbik.com/v1/jobs`. The request body is a JSON object with the following structure:

```

{
  "enabled": true,
  "schema": "sample-aes",
  "drm": [
    "fairplay"
  ],
  "key_id": "000a...ca5ef8",
  "key": "AB8...A64D",
  "iv": "000a...ef8",
  "fairplay_uri": "skd://fps.ezdrm.com/338000ae000-06a...5ef8",
  "file_pattern": "master_manifest.m3u8",
  "segmentation_mode": "segmented_ts",
  "segment_duration_sec": 18,
  "force_original_media": false,
  "media_location": {
    "storage_provider": "s3",
    "path": "s3://ezdrm-demos/hyrbik/output/hls003/hls_media",
    "attributes": [
      {
        "name": "ContentType",
        "value": "video/MP2T"
      }
    ]
  }
}

```

The response is a JSON object with the following structure:

```

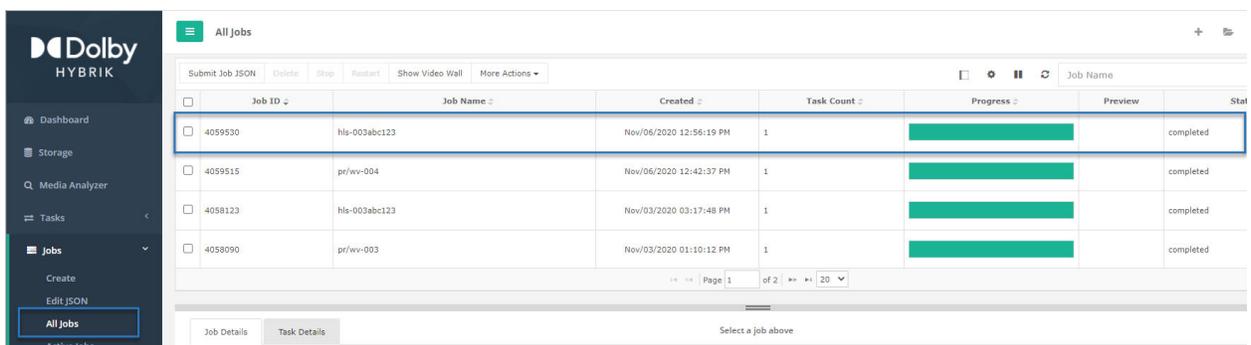
{
  "id": "4059530"
}

```

At the bottom of the screenshot, the response is shown in a table format:

Line	Content
1	{
2	"id": "4059530"
3	}

To verify the job in Hyrbik, click on **Jobs** menu, then **All Jobs**. The **id** return will show the status of the job.

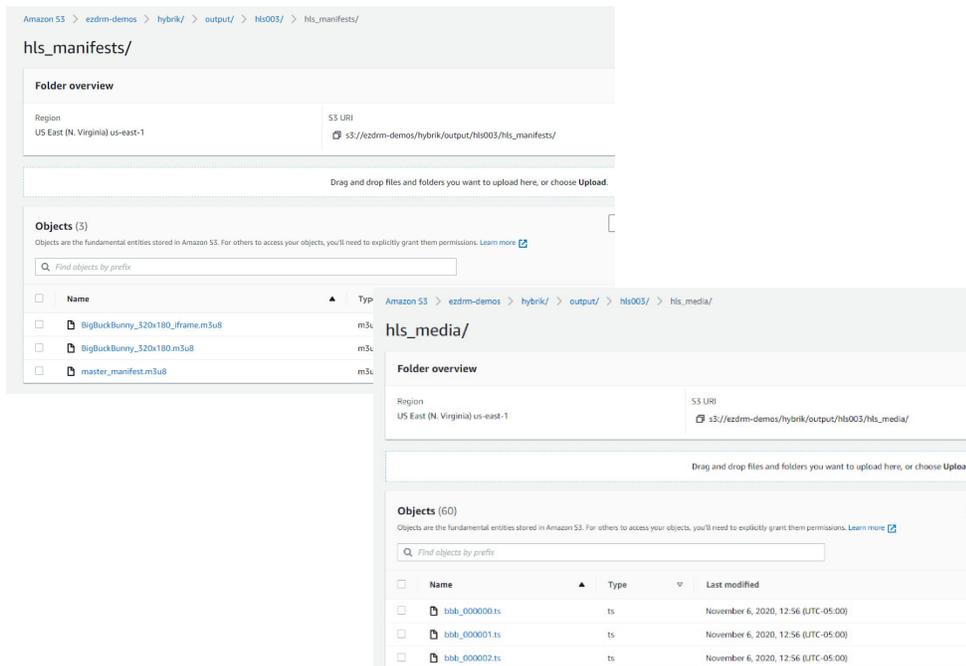


The screenshot shows the Dolby Hyrbik interface. The 'Jobs' menu is expanded, and 'All Jobs' is selected. The 'All Jobs' page displays a table of jobs with the following columns: Job ID, Job Name, Created, Task Count, Progress, Preview, and Status.

Job ID	Job Name	Created	Task Count	Progress	Preview	Status
4059530	hls-003abc123	Nov/06/2020 12:56:19 PM	1	<div style="width: 100%;"></div>		completed
4059515	pr/wv-004	Nov/06/2020 12:42:37 PM	1	<div style="width: 100%;"></div>		completed
4058123	hls-003abc123	Nov/03/2020 03:17:48 PM	1	<div style="width: 100%;"></div>		completed
4058090	pr/wv-003	Nov/03/2020 01:10:12 PM	1	<div style="width: 100%;"></div>		completed

The interface also includes a sidebar with navigation options: Dashboard, Storage, Media Analyzer, Tasks, and Jobs. The 'Jobs' menu is expanded, showing options for Create, Edit JSON, All Jobs, and Active Jobs.

The output files will be created in the specified file location.



Testing Playback

For details on testing playback, look at **EZDRM Testing Playback** document under EZDRM Implementation on our documentation page: [EZDRM: Documentation and Setup Guides](#)

Additional Information

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