

# StreamhubAnalytics JS plugin for Kaltura TV Platform

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This document describes the steps required to add and configure the StreamhubAnalytics plugin for Kaltura v7 Web Player (TV Platform).

## Getting started

1. Follow the usual instructions provided by Kaltura to embed the player in your application with a plugin code.
2. You should end up with some HTML/JS code similar to this

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
</head>
<body>
  <div id="kaltura_player_942723754" style="width: 560px;height:
395px"></div>
  <script type="text/javascript"
src="cdnapisec.kaltura.com/p/3032151/embedPlaykitJs/uiconf_id/46362681">
</script>
  <script type="text/javascript">
  try {
    var config = {
      targetId: "kaltura_player_942723754",
      provider: {
        partnerId: 2196781,
        uiConfId: 46362681
```

```
    }  
  };  
  var kalturaPlayer = KalturaPlayer.setup(config);  
  kalturaPlayer.loadMedia({entryId: '1_aoofesd2'});  
} catch (e) {  
  console.error(e.message)  
}  
</script>  
</body>  
</html>
```

### 3. Under

```
<script type="text/javascript"  
src="http://www.kaltura.com/p/2196781/embedPlaykitJs/uiconf_id/41483031"  
></script>
```

Insert another script tag pointing to the StreamubAnalytics plugin for Kaltura V7

```
<script type="text/javascript"  
src="//static.streamhub.tv/kalturaV7/plugin.js"></script>
```

### 4. Register the plugin. Above the line

```
var kalturaPlayer = KalturaPlayer.setup({
```

add

```
KalturaPlayer.core.registerPlugin("streamhubAnalyticsKalturaPlugin",  
StreamhubAnalyticsKalturaPlugin);
```

### 5. Initialize the plugin, with analyticsId and playerTitle, via the Kaltura setup config object:

```
plugins: { streamhubAnalyticsKalturaPlugin: { analyticsId: "<your-analytics-d>",
playerTitle: "<user-friendly-name-for-this-player>" } }
```

6. The final embed code with the StreamhubAnalytics plugin activated

```
<div id="kaltura_player_942723754" style="width: 560px;height: 395px"></div>
<script type="text/javascript"
src="//cdnapisec.kaltura.com/p/3032151/embedPlaykitJs/uiconf_id/46362681"></script>
<script type="text/javascript" src="//static.streamhub.tv/kalturaV7/plugin.js"></script>
<script type="text/javascript">
  try {
    KalturaPlayer.core.registerPlugin("streamhubAnalyticsKalturaPlugin",
StreamhubAnalyticsKalturaPlugin);
    var kalturaPlayer = KalturaPlayer.setup({
      targetId: "kaltura_player_942723754",
      provider: {
        partnerId: 3032151,
        uiConfId: 46362681
      },
      plugins: {
        streamhubAnalyticsKalturaPlugin: {
          analyticsId: "181B3B21-D084-4DE4-B3C8-EBA1D0E91779",
          playerTitle: "Kaltura V7 Player With Plugin"
        }
      }
    });
    kalturaPlayer.loadMedia({entryId: '1_cg3h7fm6'});
  } catch (e) {
    console.error(e.message)
  }
</script>
<!-- -->
```

7. The plugin supports ads tracking via the IMA SDK. If you wish to track ads for your kaltura V7 player, you will need additional configuration.

- a. Add a reference to the playkit-ima.js script (check <https://github.com/kaltura/playkit-js-ima> for details)
- b. Add a reference to Google ima3.js

```
<script type="text/javascript" src="//imasdk.googleapis.com/js/sdkloader/ima3.js"></script>
```

c. Configure the Kaltura player setup object with the ima plugin. For example:

```
ima: {
  adTagUrl:
```

```

"https://pubads.g.doubleclick.net/gampad/ads?sz=640x480&iu=/124319096/external/single_ad_samples&ciu_szs=300x250&impl=s&gdfp_req=1&env=vp&output=vast&unviewed_position_start=1&cust_params=deployment%3Ddevsite%26sample_ct%3Dlinear&correlator="
    }
}

```

## 8. Final implementation with IMA ads tracking

```

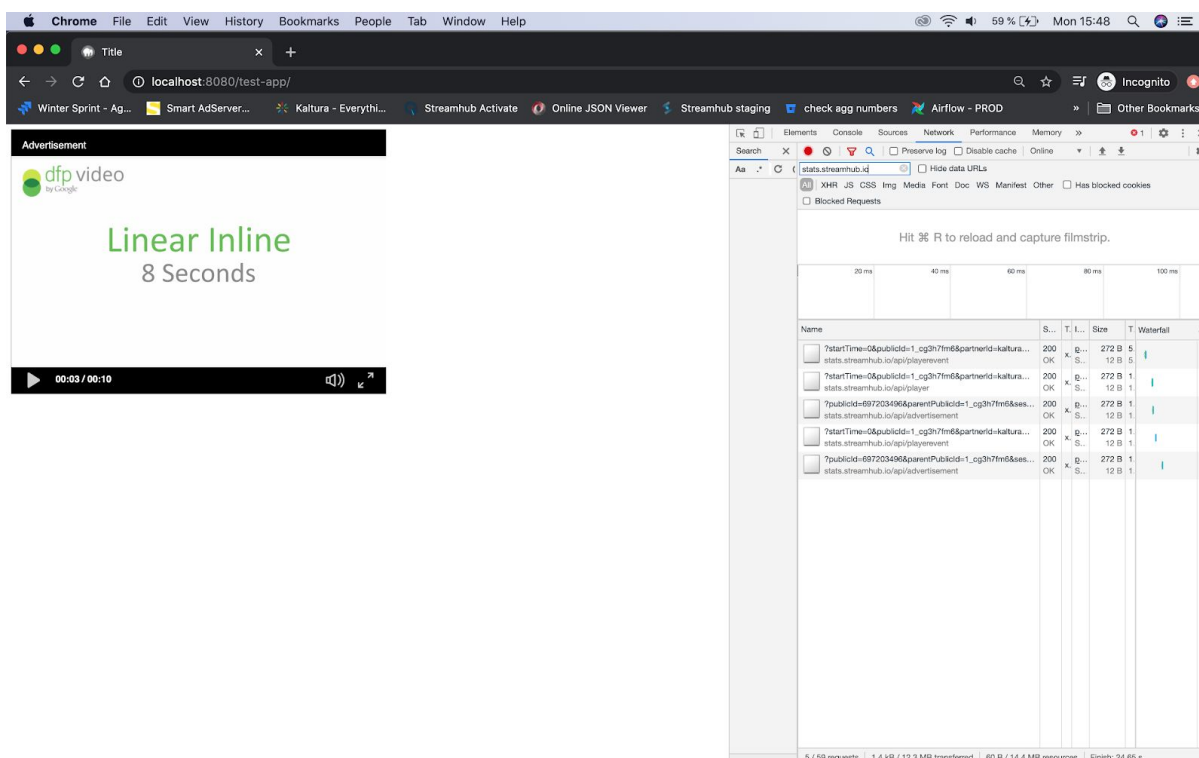
<div id="kaltura_player_942723754" style="width: 560px;height: 395px"></div>
<script type="text/javascript"
src="//cdnapisec.kaltura.com/p/3032151/embedPlaykitJs/uiconf_id/46362681"></script>
<script type="text/javascript"
src="//imasdk.googleapis.com/js/sdkloader/ima3.js"></script>
<script type="text/javascript" src="playkit-ima.js"></script>
<script type="text/javascript" src="//static.streamhub.tv/kalturaV7/plugin.js"></script>
<script type="text/javascript">
    try {
        KalturaPlayer.core.registerPlugin("streamhubAnalyticsKalturaPlugin",
StreamhubAnalyticsKalturaPlugin);
        var kalturaPlayer = KalturaPlayer.setup({
            targetId: "kaltura_player_942723754",
            provider: {
                partnerId: 3032151,
                uiConfId: 46362681
            },
            plugins: {
                streamhubAnalyticsKalturaPlugin: {
                    analyticsId: "181B3B21-D084-4DE4-B3C8-EBA1D0E91779",
                    playerTitle: "Kaltura V7 Player With Plugin"
                },
                ima: {
                    adTagUrl:
"https://pubads.g.doubleclick.net/gampad/ads?sz=640x480&iu=/124319096/external/
single_ad_samples&ciu_szs=300x250&impl=s&gdfp_req=1&env=vp&output=vast&u
nviewed_position_start=1&cust_params=deployment%3Ddevsite%26sample_ct%3D
linear&correlator="
                }
            }
        });
        kalturaPlayer.loadMedia({entryId: '1_cg3h7fm6'});
    } catch (e) {
        console.error(e.message)
    }
</script>

```

# Test your implementation

It is highly recommended to test the player and plugins together in a test environment before deploying any changes to production.

We recommend you capture logs sent by your application and send them to your Streamhub account manager. An integration engineer will be able to review your logs and validate the plugin is behaving correctly in your environment.



In order to capture logs from a TV or mobile device, tools like Charles Proxy (<https://www.charlesproxy.com/>) or Wireshark (<https://www.wireshark.org/>) are perfectly suitable.