Player – Advanced settings

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> 🔒 **This article is designated for administrators.**

About

The Advanced Setting widget allows you to manually edit the player configuration by adding/removing properties that are not exposed in the studio interface.
This guide demonstrates several examples of how to control the core capabilities of the Kaltura player via advanced settings.

Access the advanced settings

1. Log in to your KMC and navigate to the Studio > Kaltura **Player Studio** tab.
2. Create a new Smart player or select an existing player from the table and open its Edit View.
3. At the bottom of the Player Settings tab, select **Advanced Settings.**
   The Advanced Configuration window is displayed.

Full screen

Gives the ability to choose an in-browser fullscreen experience. For the viewer guide, see Full Screen.

Useful on iOS devices which will replace the native fullscreen of the AV player.

- **Object**: config.playback.inBrowserFullscreen
- **Type**: boolean
- **Value:** Default is false

How to configure the Full Screen

1. Go to the Player's Advanced Settings tab.
2. Hover over the **playback** object and click on the **+ icon.** to add the followings:
   - **Name** [boolean]: **inBrowserFullscreen**
   - **Value**= **true**
3. Click **Save.**

```
▼ "playback" : { 3 items
    "autoplay" : bool false
    "preload" : string "auto"
    "inBrowserFullscreen" : bool true 📝 ⊗
```

✅ To disable entering to full screen by double clicking the player, see config.components.fullscreen.disableDoubleClick.

Seek bar

Defines the seek bar component optional configuration.

- **Object**: config.ui.components.seekbar

- **The URL for the preview thumbnail image.**
  - **Object**: config.ui.components.seekbar.thumbsSprite
  - **Type**: string
  - **Value**: Possible values: `'', custom url`
    Default value for OVP only is
    '{POSTER_URL}/p/{PID}/sp/{PID}00/thumbnail/entry_id/{ENTRY_ID}/version/100042/width/{THUMBS_WIDTH}/vid_slices/{THUMB
    see example
    http://cdnbakmi.kaltura.com/p/4834032/sp/483403200/thumbnail/entry_id/1_aaa551bq/def_height/480/def_width/640/vid_slices/9

⚠ Passing an empty string will disable the thumbnail on the seek bar.

- **The width of each preview thumbnail slice.**
  - **Object**: config.ui.components.seekbar.thumbsWidth
  - **Type**: number
  - **Value**: Default is 164

- **The height of each preview thumbnail slice.**
  - **Object**: config.ui.components.seekbar.thumbsHeight
  - **Type**: number
  - **Value**: Default is 92

- **The number of slices that the preview thumbnail image will divide into.**
  - **Object**: config.ui.components.seekbar.thumbsSlices
  - **Type**: number
  - **Value**: Default is 100

Volume

Defines the initial volume value. For the viewer guide, see Playback Functionality.

- **Object**: config.playback.volume
- **Type**: number
- **Value**: Default is 1 [The value must be in the range of 0-1]

Example:

```
var config = {
 playback: {
  volume: 0.5
 }
};
```

How to configure the volume

1. Go to the Player's Advanced Settings tab.
2. Hover over the **playback** object and click on the **+ icon.** to add the followings:
   - **Name** [text]: **volume**
   - **Value:** must be between 0 to 1 [**0-1**]
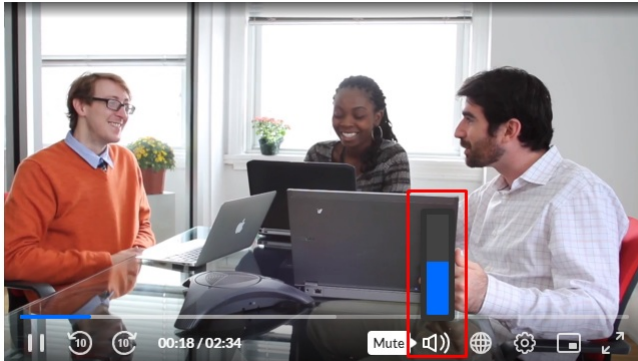3. Click **Save**.

The following graphic demonstrates the player's Advances Settings with the volume set to 0.5.

```
▼ "playback" : { 3 items ➊ ✖
    "autoplay" : bool false
    "preload" : string "auto"
    "volume" : float 0.5
```

The following graphic demonstrates the player volume set to 0.5.

Speed

Sets the available rates at which the media can be played back. This is an Array attribute that is used to implement user controls for fast forward, slow motion, and so forth. The normal playback rate is multiplied by this value to obtain the current rate, so a value of 1.0 indicates normal speed. For the viewer guide, see Playback Functionality.

- **Object**: config.playback.playbackRates
- **Type**: Array <number>
- **Value:** The default value of this property is 1.0

How do you configure the playback speed?

1. In the **Player Studio**, click on a player to open its **Player Settings** window.
2. Scroll to the end of the page and select Advanced Settings.
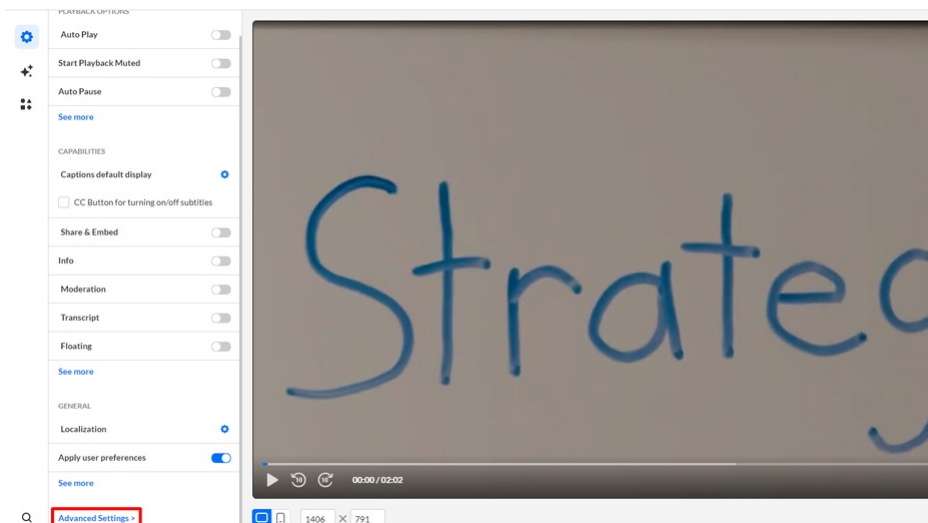
3. The Advanced Configuration opens where you can add objects, values, and arrays.

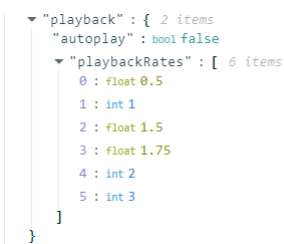Click on the plus icon near the **playback** object:

4. Type in the name: `playbackRates` , after that click on the edit icon:

5. Remove the null value and set the array like:

    `[0.5, 1, 1.5, 1.75, 2, 3]`

    The result looks like this

6. Click **Save**.

Audio language

Sets the default audio track language.

- **Object: config.playback.audioLanguage**
- **Type**: String
- **Value:** The default value of this property is "Auto"

Example:

```
var config = {  playback: {    audioLanguage: 'eng' // Start playback with english audio  }
};
```

If the value `"auto"` is set, i.e:

```
var config = {  playback: {    audioLanguage: 'auto'  }
};
```

If an audio track with the defined language exists, this audio track will be selected as the initial audio track.

How to configure the Audio Language?

1. Go to the Player's Advanced Settings tab.
2. Hover over the **playback** object and click on the **+ icon.** to add the following:
   - Name [text]= **audioLanguage**,
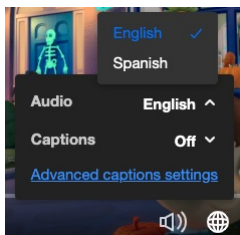   - value = **en** for English / **es** for Spanish / etc.
3. Click **Save.**

The following graphic demonstrates the default audio track set to English.

```
"playback" : {  3 items
  "autoplay" : bool false
  "preload" : string "auto"
  "audioLanguage" : string "en"  ✏ ✖
}
```

The following graphic reflects the player audio language selector.

⚠ Using multi-audio tracks requires configuring a designated audio flavor for each language under the account transcoding profile priorly. This configuration requires PS setup; please get in touch with your CSM for assistance.

Autoplay

Start playback automatically.

- **Object**: config.playback.autoplay
- **Type:** boolean
- **Value:** The default value of this property is false.
  If set to `true` , playback will start automatically when the player receives the content.
  If set to `'inview'` , playback will start automatically when the player is in view.
  If set to `false` , a user action will be required to start playback.

How to configure the Autoplay?

1. Go to the Player's Advanced Settings tab.
2. Under the **playback** object, hover over the **Autoplay** object and click on the **+ icon.** to edit the settings:
   - If set to **True** ('Always') - The video will play automatically when the page loads.
   - if set to '**In View**' - the video will play automatically only if the player is in view. If a player is not in view, playback will start only when the viewer scrolls to it.
   - If set to **False** ('Off') - (default) the video will NOT play automatically and wait for user interaction.
3. Click **Save.**

```
"playback" : {  3 items
  "autoplay" : bool false
  "preload" : string "auto"
  "audioLanguage" : string "en"
}
```

Autopause

The field Indicates whether the video should be automatically paused when not in view.

- **Object**: config.playback.autopause
- **Type:** boolean
- **Value:** The default value of this property is false.

How to configure Autopause?

1. Go to the Player's Advanced Settings tab.
2. Hover over the **playback** object and click on the **+ icon.** to add the following:

- Name [text]= **Autopause**
  - value = **true/false/in view**
3. Click **Save.**

```
"playback" : { 3 items
    "autoplay" : bool false
    "autopause" : bool true
    "preload" : string "auto"
}
```

Download

The download plugin enables video, image, and file download for a media entry that is hosted by Kaltura.

The download options can be customized via the Advanced Settings tab in the Kaltura Player Studio. See *December 24, 2023 Player release notes.* Due to the immense request for this feature, it is expected to be added as part of the GUI in future versions of this product.

The following fields are available:

```
plugins: {
  download: {}
}
```

```
plugins: {
  download: {
    flavorParamId: null, // id of the flavor type to be downloaded. optional.
    flavorId: null, // id of the specific flavor type for a specific entry. optional.
    preDownloadHook: null, // function to be called before download is initiated. optional.
    displayFlavors: boolean, // a flag indicating whether to display flavors to download. optional. default is true.
    displayCaptions: boolean, // a flag indicating whether to display captions to download. optional. default is true.
    displayAttachments: boolean // a flag indicating whether to display attachments to download. optional. default is true.
    displaySources: boolean // a flag indicating whether to display media sources to download. optional. default is true.
  }
}
```

For more information, click here.

Example: How to remove the download attachments capability

1. Enable the **Download** plugin on the player.
2. Go to the Player's Advanced Settings tab.
3. Hover over the **download** object and click on the **+ icon.** to add the following:
   - Name [text]= **displayAttachments**
   - value = **false**
4. Click **Save.**

< Player Settings

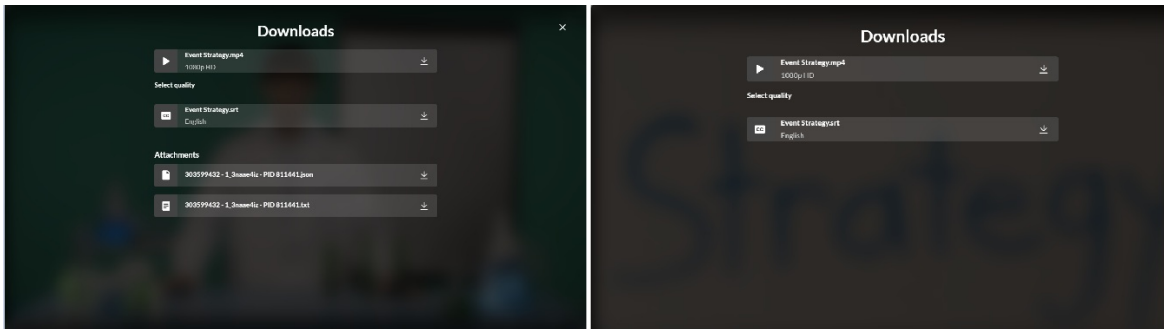ADVANCED CONFIGURATION

Set up your player through its code editor
Recommended only for advanced player developers. **More info**

```
"config" : { 6 items
  "plugins" : { 2 items
    "kava" : {} 0 items
    "download" : { 1 item
      "displayAttachments" : bool false
    }
  }
  "playback" : { 2 items
    "autoplay" : bool false
    "captionsDisplay" : bool false
  }
  "provider" : {} 0 items
  "ui" : {} 0 items
  "disableUserCache" : bool false
  "viewability" : { 1 item
    "playerThreshold" : int 50
  }
}
```

On the left, is the download plugin with the attachments. On the right, the download plugin without the attachments.

Video resolution

When using the Kaltura Player exclusively in Safari on Mac, in order to adjust video resolution, you must insert a section into Advanced settings called "preferNative".

Once "preferNative" is added, video resolution adjustment may be performed as follows:
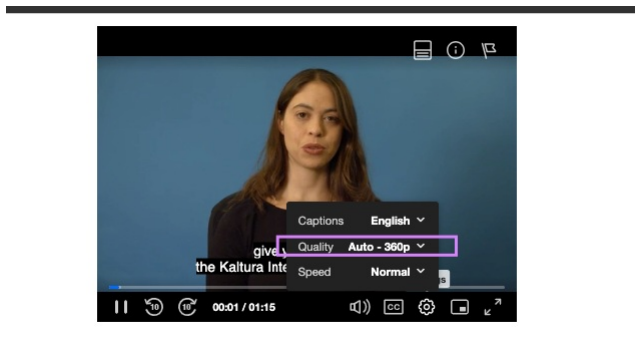
Custom error message

Go to How to custom the player error message.