
Stupeflix Factory Documentation

Release 2

Stupeflix

September 11, 2014

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Stupeflix Factory allows you to integrate a feature complete [Stupeflix Editor](#) into your application flow.

Getting started

A Stupeflix Factory demo is available at <http://studio.stupeflix.com/factory/demo/>.

1.1 Editing sessions

Stupeflix Factory works with editing sessions. One editing session ends with one produced video.

Every editing session goes like this: 1. Configure a session 2. Display the session's editing interface 3. Get the session's output

1.2 Configure a session

Each factory has its own https endpoint, in the form of `https://studio.stupeflix.com/factory/FACTORY_ID/`. To configure an editing session you need to http POST your configuration to this endpoint.

1.2.1 Configuration parameters

Stupeflix Factory works like basic html forms with `action`, `method` and `target` parameters defining how the factory will call you server back.

action The URL of the program that will process the information submitted by the factory. If this value is not specified the factory will submit to a debug page.

method The HTTP method to use to submit the factory information to the `action` URL. Possible values are `get` (default) or `post`.

target

A name or keyword indicating where to display the response returned by the `action` URL.

- `_self`: Load the response into the same frame as the factory.
- `_blank`: Load the response into a new unnamed window.
- `_parent`: Load the response into the factory parent frame. If there is no parent, this option behaves the same way as `_self`.
- `_top` (default): Load the response into the factory top-level parent frame. If there is no parent, this option behaves the same way as `_self`.

allow_preview Defines if the factory allows the user to preview her video. Possible values are `true` (default) or `false`.

custom_css_url The URL of an extra css file to include into the factory html pages.

export_label The label to display for the export button, default is `Export`.

rendering_label The label to display on the video rendering screen (progress bar), default is `Please wait while Stupeflix.com creates your video....`

custom_media_library_url

The URL of a custom media library server. See [How to implement a Custom Media Library Server](#).

If configured Stupeflix Factory will display the custom media library option alongside the others media importers.

custom_media_library_name The name to display for the custom media library option.

definition Use the `definition` parameter to prepopulate the editor. The `definition` value must be a valid json project definition.

secret Your factory has been associated with a Stupeflix API key. Use your API key secret to authenticate your configuration call.

1.2.2 Response

A successfull configuration call returns a response like this:

```
{
  "factory_id": "ABCDEF",
  "video_id": "ABCDEF/12345"
  "edit_video_url": "https://studio.stupeflix.com/factory/ABCDEF/edit/?video_id=ABCDEF%2F12345"
}
```

factory_id Your Stupeflix Factory unique identifier.

video_id This editing session unique identifier. That's the identifier your have to associate with your users if you want to keep track of which videos were created by which users.

edit_video_url This editing session url, to display in an iframe.

1.2.3 Additionnal configuration parameters

video_id Resume an existing editing session. `video_id` must be a valid editing session identifier.

remix Clone an existing editing session (the video in it may be exported or not). `remix` must be a valid editing session identifier.

1.3 Display the session's editing interface

Once you get an `edit_video_url`, you have to display its content to your user. You can either do it by redirecting your user's browser to this url or by setting this url as an iframe src:

```
<iframe src="https://studio.stupeflix.com/factory/ABCDEF/edit/?video_id=ABCDEF%2F12345"
  width="960" height="600" scrolling="no" frameborder="no"></iframe>
```


1.4 Get the session's output

When your user's video is ready, Stupeflix Factory will call your server back, respecting your `action`, `method` and `target` configuration with the following data:

video_id This editing session unique identifier.

video_name The name your user gave to her video.

video_url The URL of the exported video file.

thumb_url An URL pointing to a thumbnail of the exported video.

hres The horizontal (x) resolution of the exported video and thumbnail.

vres The vertical (y) resolution of the exported video and thumbnail.

1.5 Static configuration

Stupeflix Factory supports a number of server side configuration parameters. For now these parameters can only be set by Stupeflix staff.

video_name The default name for new videos, default is `My Stupeflix Video`.

export_profile The video format to use to export the user's video. See [Stupeflix API supported formats](#).

upload_target

Where to upload the exported video.

Stupeflix Factory supports Youtube, Facebook, Dailymotion, S3, FTP, HTTP POST and HTTP PUT uploads.

How to implement a Custom Media Library Server

2.1 Requests

Stupeflix Factory will query the configured `custom_media_library_url` each time an user wants to access the custom library content.

2.1.1 Root level content

To get a 50 items list starting at the item n°0, Stupeflix Factory will issue a GET request to:

```
http://custom_media_library_url?method=getList&offset=0&limit=50
```

GET parameters:

name	value
method	getList
offset	0
limit	50

to get the next 50 items the request will be:

```
http://custom_media_library_url?method=getList&offset=50&limit=50
```

GET parameters:

name	value
method	getList
offset	50
limit	50

2.1.2 Folder content

To get the 50 first items of the folder 562436708, Stupeflix Factory will issue a GET request to:

```
http://custom_media_library_url?method=getList&id=562436708&offset=50&limit=50
```

GET parameters:

name	value
method	getList
id	562436708
offset	0
limit	50

2.2 Responses

custom_media_library_url server responses are expected in JSON format (<http://www.json.org/>) with an application/javascript Content-Type.

```
{
  /* offset & limit values used for this response */
  "offset": 0,
  "limit": 50,

  /* Items to display (array)
     supported types are folder, image, video */

  "items": [

    {
      "type": "folder",
      "id": "562436708",      /* Unique folder identifier on your server.
                             Stupeflix Factory will issue a GET request to:
                             http://custom_media_library_url?method=getList&id=562436708&offset=0&
                             to get this folder content */

      "title": "Folder A",  /* Name to display */

      "thumb_url": "http://whatever/thumbnail/url.jpg", /* Url of the thumbnail to display */

      /* Optional properties */
      "num_entries": 10 /* Number of entries in this folder */
    },

    {
      "type": "image",
      "title": "Image 1",
      "file_url": "http://image-1/url.jpg",
      "thumb_url": "http://image-1/thumbnail/url.jpg",

      /* Optional properties */
      "height": 800,      /* Height of the image in pixels
                           // Width of the image in pixels
      "width": 600
    },

    {
      "type": "video",
      "title": "Video 1",
      "file_url": "http://video-1/url.mp4",
      "thumb_url": "http://video-1/thumbnail/url.jpg",

      /* Optional properties */
      "height": 640,      /* Height of the video in pixels
                           // Width of the video in pixels
      "width": 480,
      "duration": 120 /* Duration of the video in seconds
    }

  ],

  /* Does the server have more items in this list ?
     If has_more is true, Stupeflix Factory will issue a new GET request with an incremented offset
  "has_more": false
}
```

}