Fabasoft

White Paper
Fabasoft Integration for Websites

2025 September Release

Contents

1 Introduction

The Fabasphere provides the possibility to publish folder structures and documents on a website. To do so, you have to carry out following four steps on your website:

- add some CSS
- add a `div` tag where the document list should be displayed
- define a mustache template
- include the necessary JavaScript and configuration

If you do not want to use a mustache template you may also only get the data in JSON format to do your own rendering.

The following example pages provide all the necessary HTML code to set up your own solution:

- Detail view style
  https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/FSCVENVUI_1_1001/webconten t_example.html
- Card view style (incl. a simple download center)
  https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/FSCVENVUI_1_1001/webconten t_example_cv.html
- Thumbnail view style (incl. a simple download center)
  https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/FSCVENVUI_1_1001/webconten t_example_tn.html
- Retrieve the data only and display the JSON
  https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/FSCVENVUI_1_1001/webconten t_example_dataonly.html

Open the example pages in your web browser. Typically, you can view the source code of a page by opening the context menu and clicking the "View page source" command. Depending on the web browser the command may be named slightly different.

Note: The example pages will not load documents from the Fabasphere if you open them from your local file system.

2 CSS

The necessary CSS can be found in the example page in the `style` tag. The CSS defines the styling of the document list. Copy all entries of the `style` tag to your website CSS. You can also modify the CSS to fit your needs.

3 Container Tag

Add a `div` tag where the document list should be displayed (the ID has to correspond to the ID defined in the configuration settings; see chapter 5 "JavaScript").

Example: `<div id="FscJSLibContainer"></div>`

4 Mustache Template

The mustache template is used to render the document list. It defines the used HTML tags and the displayed data of the document list. The example page for the detail view style includes two templates:

- `<script id="FscJSLibTemplateWithFiveLevels" type="text/html">`
  Shows a folder structure with a maximum of five levels.

- `<script id="FscJSLibTemplateWithOneLevel" type="text/html">`
  Shows only the top level of a folder.

Copy one of these templates to your web page in the `body` tag. You can also modify the template. More information about working with mustache templates can be found here: https://mustache.github.io/

The following variables can be included in the template:

- `inputdata: { … }`
  The data passed to the `fsc.webcontent.render` function.

- `labels: { objname: "Name", objaddress: "Fabasphere ID", ... }`
  The multi-lingual labels for the column header (only available in the top level object).

- `strings": { StrExpand:"Expand", StrCollapse: "Collapse", StrType: "Type" }`
  The multi-lingual strings requested by the strings input parameter (only available in the top level object).

- `downloadformat: { value: "Original Format", address: "COO.1.506.2.204412",`
  `                  class: "COOSYSTEM@1.1:ContentFormat", reference: null }`
  The download format assigned to the public link (only available in the top level object).

- `isfolder: true`
  Defines whether it is a folder (`true` or `false`).

- `content: { value: "10 KB" }`
  The size of a document.

- `contextension: { value: "PDF" }`
  The file extension of the document.

- `contmimetype: { value: " audio/mpeg" }`
  The mime type of the document.

- `downloadurl: { value:`
  `"https://at.cloud.fabasoft.com/folio/downloadzip/COO.1.506.2.2044" }`
  The download URL of the object.

- `mediaurls: [{ value:"https://...", mediatype: "video",`
  `             mimetype: "video/mp4",extension: "mp4" },`
  `           { value: "https://...", mediatype: "video",`
  `             mimetype: "video/ogg", extension: "ogv"},`
  `           { value:"https://...", mediatype: "video",`
  `             mimetype: "video/webm",extension:"webm"}]`
  List of primary and alternate mediaurls including mediatype (i.e. `video` or `audio`), mimetype and extension for video or audio objects.

- `iconurl: { value: "https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/a/COO.1.1.1.1000.svg" }`
  The URL to the icon of the object.

- `publicurl: { value: "https://at.cloud.fabasoft.com/folio/public/2j3416lzoqku82n0s7o8931wco" }`
  The URL to the public link of the object. Only available if the `rootobject` refers to a public link.

- `previewurl: { value: "https://at.cloud.fabasoft.com/folio/image/COO.1.506.2.2044/co/1/" }`
  The URL to a small preview image (bounding box ca. 128px x 128px) of a content object.

- `thumbnailurl: { value: "https://at.cloud.fabasoft.com/folio/image/COO.1.506.2.2044/tn/1/" }`
  The URL to a medium size preview image (bounding box ca. 512px x 512px) of a content object.

- `largepreviewurl: { value: "https://at.cloud.fabasoft.com/folio/image/COO.1.506.2.2044/pv/1/" }`
  The URL to a large preview image (bouning box ca. 2 megapixel depending on file type) of a content object.

- `overviewurl: { value: "https://at.cloud.fabasoft.com/folio/overview/COO.1.506.2.2044" }`
  The URL to a PDF representation of a content object.

- `objaddress: { value: "COO.1.506.2.2044" }`
  The Fabasphere ID of the object.

- `objclass: { value: "Teamroom" }`
  The object class of the object.

- `objcreatedat: { value: "Jul 18, 2016 9:11:31 AM" }`
  The date and time when the object was created.

- `objcreatedby: { value: "Cordes Jonas" }`
  The user who created the object.

- `objmodifiedat: { value: "Jul 18, 2016 10:26:51 AM" }`
  The last modification date and time of the object.

- `objname: { value: "Marketing 2016" }`
  The name of the object.

- `objsubject: { value: null }`
  The subject of the object.

- `objvalidfrom: { value: null }`
  A "valid from" date that can be set manually for the object.

- `objvalidto: { value: null }`
  A "valid to" date that can be set manually for the object.

- `children_level1: [ array of objects; the number denotes the level ]`
  An array that contains the subordinated objects.

5 JavaScript

Include following two JavaScript files in the `head` tag:

- `https://at.cloud.fabasoft.com/folio/fscasp/content/tmp/FSCVENVUI_1_1001/fsc.web content.js`
  Allows accessing a folder structure in the Fabasphere.

- `mustache.js`
  Is needed to evaluate the mustache template. The JavaScript library can be downloaded here: https://github.com/janl/mustache.js/releases

At the end of the `body` tag, after the mustache template add the `script` tag as defined in the example page. It is used for configuration (`calldata`) and the rendering will be triggered (`fsc.webcontent.render(calldata)`). The function `_toggle` allows opening and closing folders, if the template with several levels is used.

The following configuration settings are available:

- `target: "https://at.cloud.fabasoft.com/folio"`
  The Fabasphere installation from where the data should be retrieved.

- `rootobject: "COO.1.506.2.2044"`
  The root Teamroom or root folder. It can be defined as Fabasphere ID (e.g. `COO.1.506.2.2044`) or as public link ID (e.g. `1hqdbo7wvev5s1fpgwi0s86k1s`). When using the Fabasphere ID an authentication is always mandatory. Only public links without password protection can be used.

- `sortby: ["COOSYSTEM_1_1_objname:UP:"]`
  The documents can be sorted per column up or down (`:UP:` or `:DOWN:`).

- `maxleveldepth: 5`
  The maximum folder level that should be displayed. A value up to 5 can be defined.

- `language: "en"`
  The language in which the strings should be retrieved.

- `locale: "en-US"`
  The locale in which the dates and times should be retrieved.

- `timezoneoffset: -120`
  The time zone offset that should be considered.

- `datetimeformat: "dd/mm/yy hh:mm"`
  The date and time format that should be considered for all dates and times (overrides the locale setting).

- `containerid: "FscJSLibContainer"`
  The HTML element in which the document list should be rendered (see chapter 3 "Container Tag").

- `templateid: "FscJSLibTemplateWithFiveLevels"`
  The ID of the script tag that contains the mustache template (see chapter 4 "Mustache Template").

- `strings: ["FSCVENV_1_1001_StrExpand", "FSCVENV_1_1001_StrCollapse"]`
  Multilingual strings can be retrieved form the Fabasphere and used in the mustache

template (e.g. `{{{strings.StrExpand}}}`).
Note: Only the short reference is used in the mustache template to denote the string.

- `dataonly: true | false`
  Do not render the data returned from the Fabasphere by using a mustache template. You may render the data by yourself. The data from the Fabasphere will be passed to the success callback function (see below).

By help of `fsc.webcontent.setSuccessCallback(callbackfunction)` you may define a function that is called after a successful rendering. The function will get the JSON data as parameter.

By help of `fsc.webcontent.setErrorCallback(callbackfunction)` you may define a function that is called whenever an error occurred. The function will get the JSON data as parameter. The JSON data will also contain an `errors` member that will describe the errors occurred.