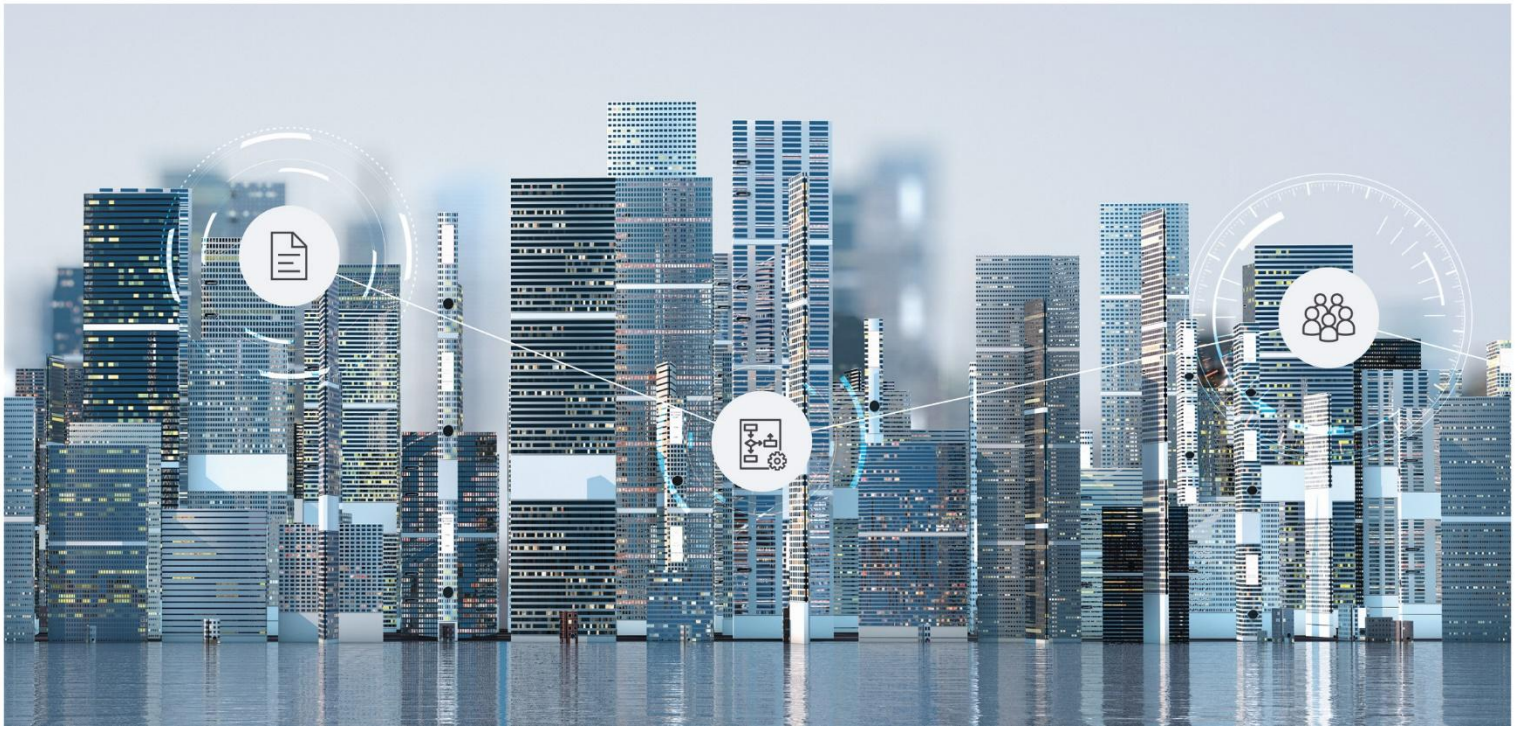
Fabasoft



White Paper

Configuration of Digital Assets

Fabasoft Folio 2025 Update Rollup 1

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1 Introduction

A digital asset can be any form of content which is to be processed digitally.

2 Software Requirements

System environment: All information contained in this document implicitly assumes a Microsoft Windows environment or a Linux environment.

Supported platforms: For detailed information on supported operating systems and software see the software product information on the Fabasoft distribution media.

3 Object Model

Fabasoft Folio provides the abstract object class *Digital Asset* (`FSCDIGITALASSET@1.1001:DigitalAsset`). It is the super class of the object classes *Image* (`FSCWEBCONT@1.1001:ImageObject`), *Audio* (`FSCWEBCONT@1.1001:AudioObject`) and *Video* (`FSCWEBCONT@1.1001:VideoObject`).

In addition to the object's content, a raw content can be stored in the property *Raw Content* (`FSCDIGITALASSET@1.1001:rawcontent`) and content in different formats can be stored in the property *File in Different Formats* (`FSCDIGITALASSET@1.1001:additionalcontents`).

4 Formatting Digital Assets

4.1 Dynamic Menus

Digital Assets provide menu entries in the "Clipboard" menu which – according to the configuration – can be used to

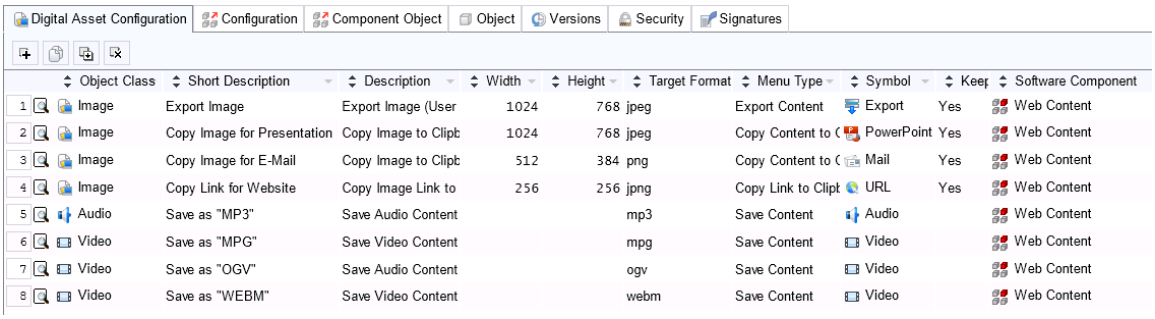
- copy a formatted image to the operating system's clipboard
- copy a link to the formatted image to the operating system's clipboard
- export an image according to user defined settings
- save a content in a different format

The menu's tooltips contain description of how the resulting content is formatted. (e.g. "1024 x 786 PNG").

4.2 Configuration for Dynamic Menus

The software component *Digital Assets* (`FSCDIGITALASSETS@1.1001`) provides a configuration object. To edit the configuration settings in the Fabasoft Folio Domain, perform the following steps:

1. Open the properties of the *Current Domain* object in edit mode.
2. Click the "Components Configuration" tab.
3. In the *Digital Assets* field select the *Configuration for Digital Assets* (`FSCDIGITALASSET@1.1001:DefaultDigitalAssetConfiguration`).

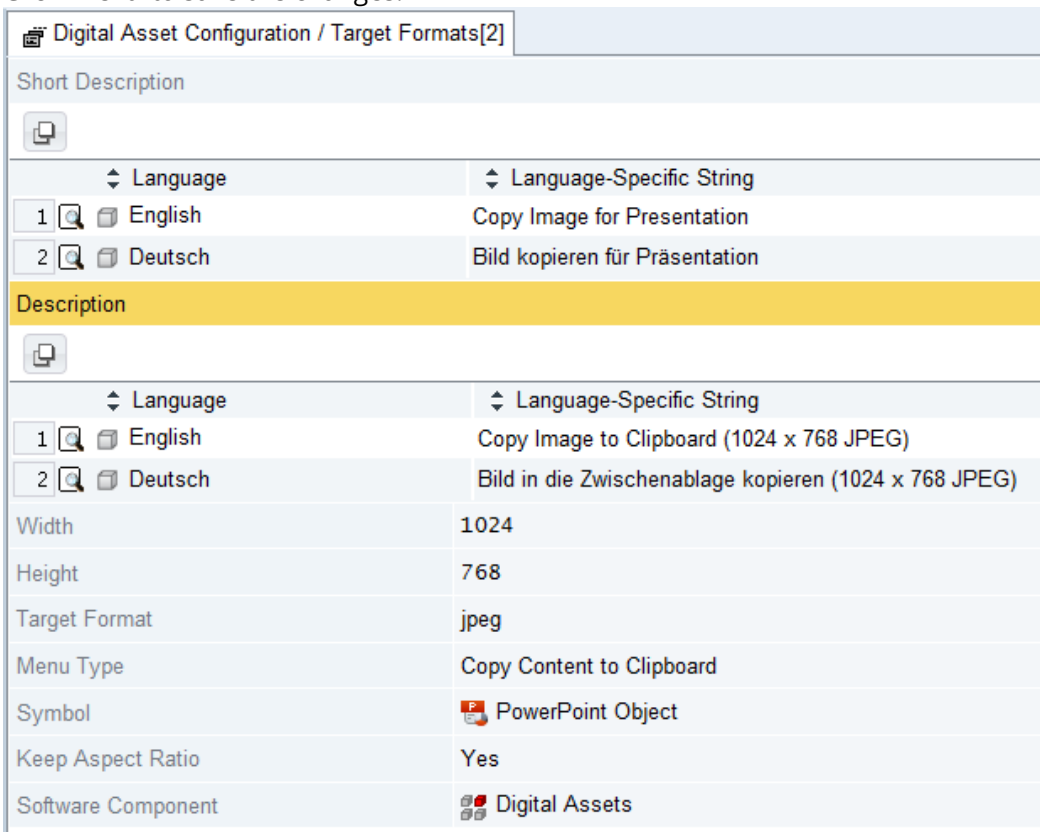


	Object Class	Short Description	Description	Width	Height	Target Format	Menu Type	Symbol	Keep	Software Component
1	Image	Export Image	Export Image (User	1024	768	jpeg	Export Content	Export	Yes	Web Content
2	Image	Copy Image for Presentation	Copy Image to Clipb	1024	768	jpeg	Copy Content to C	PowerPoint	Yes	Web Content
3	Image	Copy Image for E-Mail	Copy Image to Clipb	512	384	png	Copy Content to C	Mail	Yes	Web Content
4	Image	Copy Link for Website	Copy Image Link to	256	256	jpng	Copy Link to Clipt	URL	Yes	Web Content
5	Audio	Save as "MP3"	Save Audio Content			mp3	Save Content	Audio		Web Content
6	Video	Save as "MPG"	Save Video Content			mpg	Save Content	Video		Web Content
7	Video	Save as "OGV"	Save Audio Content			ogv	Save Content	Video		Web Content
8	Video	Save as "WEBM"	Save Video Content			webm	Save Content	Video		Web Content

This configuration object is used to define the image formats available in the dynamic menu. Every entry is used to build the dynamic menu. To change the settings edit the properties of the digital asset configuration.
The following settings can be defined:

- *Object Class*
  In this field select the object class the configuration should apply to.
- *Short Description*
  A multilingual menu text.
- *Description*
  A multilingual menu description. This is used as the menu's tooltip.
- *Width*
  The resulting image's width in pixel.
- *Height*
  The resulting image's height in pixel.
- *Target Format*
  The resulting content's format is defined as file extension.
- *Menu Type*
  This setting defines the action of the menu when selected. The following values are available:
  - "Copy Content to Clipboard"
  - "Copy Link to Clipboard"
  - "Export Content"
  - "Save Content"
- *Symbol*
  This setting defines the menu's symbol. Every object of object class *Symbol* (`COODESK@1.1:Symbol`) is allowed.
- *Keep Aspect Ratio*
  This setting defines whether the resulting image should keep its aspect ratio. If the ratio is omitted the image may appear stretched.
- *Software Component*
  The software component that provides the entry.

4. Click “Next” to save the changes.

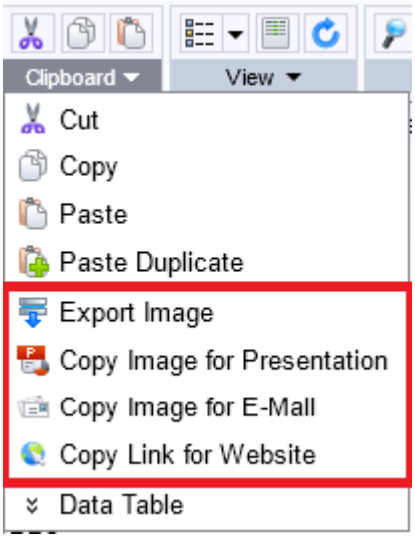


4.3 Image Formatting

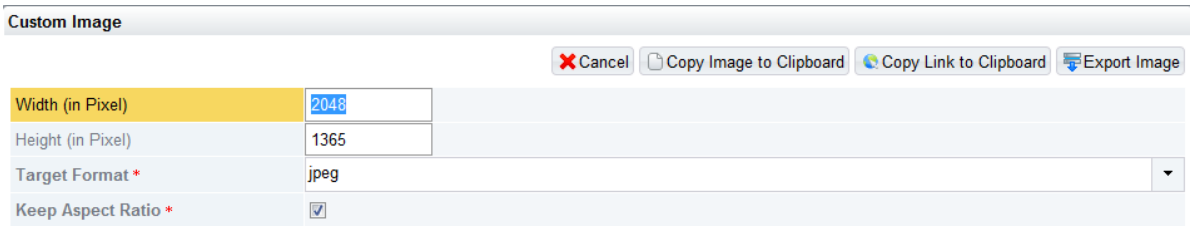
Images can be formatted by

- *Image Width*
- *Image Height*
- *Target Format*
- *Keep Aspect Ratio*

Fabasoft Folio provides a preconfigured set of image formatting options:



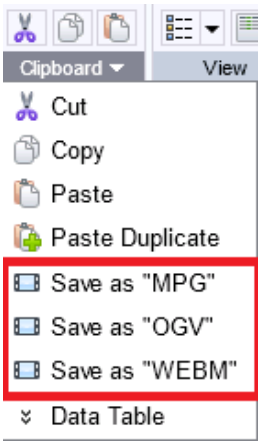
If a menu is defined with the menu type "*Export Content*", an overlay is shown in which the image's format can be adjusted.



4.4 Audio and Video Conversions

If a menu is defined with the menu type "Save Content", a content conversion to the specified format is requested. The state of the conversion and further the resulting content is stored in the property *File in Different Formats* (`FSCDIGITALASSET@1.1001:additionalcontents`).

Fabasoft Folio provides a preconfigured set of video and audio conversions:



The audio and video conversions are done by an *Automated Task* executing the action *Process Digital Asset Conversions* (`FSCDIGITALASSET@1.1001:ProcessDigitalAssetConversion`). Ideally, the server running the *Automated Task* can do the configured conversion step, e.g. the tool `ffmpeg` is required for doing audio and video conversions. If so, the conversion will be done locally.

By default one *Automated Task* is created and in use automatically which means that one thread processes digital asset conversions. For performance and scalability reasons additional *Automated Tasks* doing digital asset conversions can be created. The menu entries for video and audio conversions are only shown if at least one *Automated Task* is active.

A digital asset conversion times out after 12 hours by default. The timeout value can be changed via the environment option "DIGITALASSETTIMEOUT". The value must be given in seconds.