

ENFOCUS



**PITSTOP
SERVER²⁵**

PitStop Server Configurators

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1. About the PitStop Server configurators

The PitStop Server configurators allow you to run PitStop Server from within a Switch workflow. If you have licensed the Switch Core Engine and you have an active PitStop Server license, the PitStop Server configurators can be found in Switch, in the Flow elements pane.

2. Enfocus PitStop Server

The PitStop Server configurator is an application that drives PitStop Server. It is a processor that preflights and/or corrects a PDF file according to specifications. The resulting PDF file flows along the "data" output connections, the Preflight Report flows along the "log" output connections. The PitStop Server configurator can process only individual PDF files and not job folders.

**Note:**

- As of PitStop 24.11, the configurator also accepts images, on condition that the **Enable image input** property (see further) is set to Yes. These images are converted to PDF files first, before Preflight Profiles or Action Lists are executed.
- As of PitStop 25.03, the configurator also supports resource syncing. That means that Action Lists and Preflight Profiles can be stored in the Enfocus Cloud, and shared with PitStop Pro users and with other PitStop Server instances. To make use of this new feature, you need to enter an Enfocus Cloud Connection token in the properties of the configurator. For more information on the setup, refer to the [Resource syncing documentation](#) on our website.



Tip: Check out [the eLearning course](#) on this topic!

Licensing

The PitStop Server configurator is only available in the Flow elements pane (Configurators category) if you have installed and licensed PitStop Server. It is not an app that can be downloaded from the Enfocus Appstore.



Note: Ideally, you have installed PitStop Server before you installed Switch. That way, Switch can automatically find the application, which is necessary for the configurator to run. If PitStop Server is installed afterwards while Switch is running, make sure to restart Switch.

Compatibility

PitStop Server

Keywords

PDF PDF/X preflight certified correct fix modify optimize convert color colour GWG profile transparency flattening action list

Application discovery details

This configurator tries to locate the PitStopServerCLI executable in the PitStop Server installation folder. It is also possible to set the path to the PitStop Server CLI manually through the configurator's popup menu in the Flow elements pane.

Connections

This configurator uses traffic light connections. PDF files that generate one or more preflight errors will be sent to the error connection; files that generate warnings but no errors will go to

the warning connection, and files that have neither errors nor warnings will go to the success connection. Any number of outgoing connections is supported, but at least one Data connection is required.

Properties detailed information



Note: You can also find this information in Switch. Just go to the configurator in the Flow elements pane, right-click the configurator to open the context menu and choose 'Documentation...'.

Properties	Description
Flattening	If set to 'Yes' PitStop Server will flatten all transparencies. Color management in this configurator must be enabled for images and other objects. Subordinate properties: • <i>Raster/vector balance:</i> A value from 0 to 100. This controls the degree of rasterization of complex areas in the document. If set to 100, no areas in the document will get rasterized for performance reasons (although some areas may still be rasterized for other reasons). • <i>Vector resolution:</i> Rasterizes all objects, including images, vector artwork, text, and gradients, to the specified resolution. Allowed values are between 1 and 9600. • <i>Gradient resolution:</i> Specifies the resolution for gradients and Illustrator mesh objects after rasterization because of flattening. Allowed values are between 1 and 1200. • <i>Convert all text to outlines:</i> If set to 'Yes', all text is converted to outlines and all type glyph information is discarded. • <i>Convert all strokes to outlines:</i> If set to 'Yes', all strokes are converted to filled paths. • <i>Clip complex regions:</i> If set to 'Yes', the boundaries between vector artwork and rasterized artwork will fall along object paths. This option reduces stitching artifacts as a result of a part of an object being rasterized while another part of the object remains in vector form. • <i>Preserve overprint:</i> If set to 'Yes', preserves overprint where possible. If this option is disabled all overprint in the document will be simulated by blending the colors of overprinted objects. • <i>Blending color space:</i> Specifies the page level transparency blending color space. • If 'Current' is selected, the blending color space is left untouched. • If 'ICC profile' is selected, you must select a color profile from the library stored inside PitStop Server or browse to a standard ICC profile file.

Properties	Description
	• <i>Remove ICC profiles</i>: If set to 'Yes', ICC profiles are removed after flattening. • <i>Recompress images</i>: If set to 'Yes', the post flattening image recompression is enabled. Otherwise the compression that is the result of the flattening will be kept. Extra options are: • Color bitmap images: Specifies the type of compression to be used on color bitmap images after flattening. • Gray scale bitmap images: Specifies the type of compression to be used on gray scale bitmap images after flattening. • One bit images: Specifies the type of compression to be used on one bit images after flattening. • ASCII filter: Specifies the ASCII filter to be applied. • <i>Resolve transparency</i>: This property is no longer supported and should be set to 'Yes'.
Enable image input	If set to Yes, the configurator accepts JPEG and PNG images. This option triggers the following subordinate properties: • Use embedded dimensions if available: If the submitted image contains embedded resolution metadata you may want to override the page dimensions specified in the Default page dimensions property below. If so, set this option to Yes, otherwise select No. • Default page dimensions: Specify the dimensions of the pages of the target PDF. These can be based on: • A fixed width and/or height that you can enter in the subordinate properties. <i>Automatic</i> means that the aspect ratio is kept. For example, if only the width is specified, the height will be calculated based on the aspect ratio of the input image. • A specific resolution (in ppi). Note that this setting will be ignored if the image contains embedded resolution metadata AND Use embedded dimensions if available is set to Yes.  Note: The options for resolution, height and width only change the print resolution or the print size, not the pixel count of the image. Resampling the image in the PDF, changing its compression, etc., can be done afterwards with a PitStop Action.
Enfocus Cloud Connection	If you want to use Preflight Profiles or Action Lists that are shared through the Enfocus Cloud, generate a token and copy-paste it into this field. You'll find the Cloud resources in a pink folder. For more details, refer to the Resource syncing documentation on our website.

Properties	Description
Preflight Profile	The Enfocus Preflight Profile to be used to preflight and possibly correct the file. The Preflight Profile can be omitted in case one or more Action Lists are specified.
Manage Preflight Profiles	Manage the Preflight Profile database for the PitStop Server configurator.
Action List(s)	A sequence of Action Lists to be executed on the file.  Note: This property can be empty in case a Preflight Profile is specified.
Manage Action Lists	Manage the Action List database for the PitStop Server configurator.
Variable Set	Select a variable Set for Smart Preflight. A Variable Set is required only if dynamic Preflight Profile is used. For more info, refer to the chapter on Smart Preflight .
Certified PDF	Determines Certified PDF-related behavior while processing the file as one of these choices: <i>Unchanged:</i> The certify status of the document will not be changed <i>Save as uncertified:</i> The result file will not be certified. If the incoming document was certified all certify information will be deleted. <i>Start certified:</i> The result will be saved as a certified PDF document If you've chosen 'Unchanged' or 'Start certified', following subordinate properties become available: Allow rollback: If set to 'Yes', the output file preserves the Certified PDF history information allowing rollback to previous Certified PDF sessions. Keep original profile: If Certified PDF is set to 'Unchanged' or 'Start Certified', and Keep Original Profile is set to 'Yes', the original profile will be kept, even if the incoming file is already Certified with a profile other than the defined Preflight Profile. Set personal info: If set to 'Yes', a number of extra properties appear for defining the personal information listed on the Preflight Report and used for the Certified PDF session created by processing the file. More info on Certified PDF can be found in the PitStop Pro Reference Guide on our website.
Enable Color management	Determines whether PitStop Server uses color management to process the file. If set to 'Yes', the configurator shows a series of extra properties to specify color profiles and rendering intent: <i>Color management for images:</i> Specifies the color management mode for image objects. If set to Yes, a number of extra properties are displayed, such as <i>Gray/RGB/CMYK and Lab source</i>, where

Properties	Description
	you must specify the Gray/RGN/CMYK and Lab target color profile respectively. • <i>Color management for other objects</i>: Specifies the color management mode for objects other than images; choices are: • Same as images: Color management for all objects is specified by 'Color management for images' property and its subordinates. • Different: Color management for other objects than images is turned on and defined by the subordinate properties, such as <i>Gray/RGB/CMYK and Lab source</i>, where you must specify the Gray/RGN/CMYK and Lab target color profile respectively. • No: Color management for other objects is turned off. • <i>BPC</i>: Set BPC to 'Yes' to enable black point compensation in the color management engine.
Use system fonts	Specifies if the fonts in the system folder are available for handling fonts during processing.
Extra font folder	Path to a folder that contains extra fonts for use while processing files (in addition to the system fonts).
Skip font license checks	Set this to 'Yes' if you comply with the font license restrictions imposed by any font used in the input files. Some fonts may be licensed for View and Print only. By setting 'I comply with the font license restrictions' to 'Yes', you agree that you have checked the licensing conditions of the print vendor of these fonts and that you are allowed to manipulate these fonts according to the configuration of this flow element. Enfocus disclaims any liability for any use of the fonts which is not in accordance with the licensing agreement between yourself and the print vendor. Choose 'No' if you do not agree.
Optimization	The optimization performed: • For web: Optimized for web download • File size only: Optimized for file size only • None: Not optimized
Report type	The format of the Preflight Report: • <i>None</i>: No Report will be generated. • <i>PDF</i>: Regular PDF Preflight Report format (generated by PitStop Server). • <i>PDF minimum</i>: Minimum PDF Preflight Report format PDF minimum (generated by PitStop Server).

Properties	Description
	• <i>PDF continuous</i>: Continuous PDF Preflight Report format (generated by PitStop Server). • <i>PDF annotated</i>: Annotated PDF Preflight Report format (generated by PitStop Server). • <i>PDF annotated low res</i>: Low resolution annotated PDF Preflight Report format (generated by PitStop Server). • <i>PDF annotated scaled</i>: Scaled annotated PDF Preflight Report format (maximum A4; generated by PitStop Server). • <i>Custom PDF Report template</i>: A highly customizable PDF Report. • <i>XML</i>: XML Preflight Report format PitStop Server (generated by PitStop Server). • <i>JSON</i>: JSON Preflight Report format. Depending on the chosen option, a number of extra properties are displayed: • Report template: Select a Report template (.prefs file) to be used for the PDF Report. A Report template can be used to greatly customize the appearance of PDF Reports. • Hyperlinks include unique name prefix: A PDF Report contains hyperlinks to the file being processed; this property determines whether the filename in those hyperlinks includes the Switch unique name prefix or not. In both cases the hyperlinks are relative to the file's position, so the preflight Report and the file being processed must remain in the same folder for the hyperlinks to work. • Additional XML Report dataset name: The name of an additional dataset where an XML Report will be stored. Subordinate properties are: • Type: Choose the XML Report type. The version of the XML defines the schema used for the XML Report. v3 is the current version and is strongly recommended. v2 Reports are still supported but may be removed in the future. • Maximum number of items: It is possible to truncate the number of Reported items per category. Reducing this number imposes a limit on the xml Report file size but might results in an incomplete Report. Default is 100. • Maximum number of objects: It is possible to truncate the number of Reported objects per item. Reducing this number imposes a limit on the xml Report file size but might results in an incomplete Report. Default is 100. • Report language: The language of the Preflight Report. • Measurement units: The measurement units used in the Report; choices are: Points, Picas, Inches, Feet, Millimeters, Centimeters, Meters.

Properties	Description
	• XSLT Transformation (if Report type = XML): Use this property to define an additional XSLT transformation for the XML Report. This property only works for version 3 XML Reports. Choices are: • Preflight results: A summary of the errors, warnings and fixes of the preflight. • Page boxes: Information about the page boxes of each page. • Page color type: Information about each page's color type: black and white, color, or empty. • Layers: The layer structure of the document. • Fonts: Information about the fonts in the document. • Images: Information about the images in the document. • Ink usage: A list of used inks in the document and per page, including their total areas. • Output intents: Document output intent information. • Text summary: a CSV with preflight result information. • XML summary: an XML with preflight result information.
Add troubleshooting datasets	Determines whether or not troubleshooting datasets are created. This has an impact on the speed of Switch. • Yes (default): Troubleshooting datasets are created at /Users/<User>/Library/Application Support/Enfocus/Switch Server/datasets. • No: No troubleshooting datasets are generated. This will result in some processing speed improvement as this reduces memory usage  Note: This option was added in PitStop Server 2023 update 1.

3. Enfocus PitStop Server PDF2Image

The PitStop Server PDF2Image configurator is an application that drives the PDF2Image functionality of Enfocus PitStop Server. It renders the pages of a PDF to images, either as a whole or split into separations. The PitStop Server PDF2Image configurator can process only individual PDF files and not job folders.



Note: As of PitStop 25.03, the configurator also supports resource syncing. That means that Action Lists can be stored in the Enfocus Cloud, and shared with PitStop Pro users and with other PitStop Server instances. To make use of this new feature, you need to enter an Enfocus Cloud Connection token in the properties of the configurator. For more information on the setup, refer to the [Resource syncing documentation](#) on our website.



Tip: Check out [the eLearning course](#) on this topic!

Licensing

The PitStop Server PDF2Image configurator is only available in the Flow elements pane (Configurators category) if you have installed and licensed PitStop Server. It is not an app that can be downloaded from the Enfocus Appstore.



Note: Ideally, you have installed PitStop Server before you installed Switch. That way, Switch can automatically find the application, which is necessary for the configurator to run. If PitStop Server is installed afterwards while Switch is running, make sure to restart Switch.

Compatibility

PitStop Server

Keywords

PDF export render image png jpg jpeg

Application discovery details

This configurator tries to locate the PitStopServerCLI executable in the PitStop Server installation folder. It is also possible to set the path to the PitStop Server CLI manually through the configurator's popup menu in the Flow elements pane.

Connections

The configurator uses a "Move" connection. The PDF that is used as input is exported as an image, and this image is sent to the connection.

Properties detailed information



Note: You can also find this information in Switch. Just go to the configurator in the Flow elements pane, right-click the configurator to open the context menu and choose 'Documentation...'.

Properties	Description
Image type	The output image type. Options are: • PNG • JPEG Subordinate properties if PNG is chosen: • <i>Interlaced</i>: If set to Yes, Adam 7 interlaced PNG is created. • <i>Output color space</i>: Output color space to be used: DeviceGray or DeviceRGB. The subordinate property Background color is used to specify the background color during rendering. If none is specified, the rendered image may contain transparency. In case of DeviceGray, the background color should be a gray value between 0 and 100. In case of DeviceRGB, the background color is a RGB based color, defined by a red, green and blue value between 0 and 255. • <i>Embed ICC profile</i>: Embed the ICC profile used as target for images in the image. This requires that color management is used, and that the full page is rendered. Subordinate properties if JPEG is chosen: • <i>Quality</i>: The quality of the JPEG compression. • <i>Progressive</i>: Generate a progressive JPEG. • <i>Output color space</i>: This element specifies the output color space to be used. Choices are DeviceGray, DeviceRGB and DeviceCMYK. Background colors have to be defined as well; in case Gray, Cyan, Magenta, Yellow and Black, values between 0 and 100 are valid. Red, Green and Blue expect values between 0 and 255. • <i>Embed ICC profile</i>: Embed the ICC profile used as target for images in the image. This requires that color management is used, and that the full page is rendered.
Append page number	Appends the page number from which the image was generated to the file name. If set to yes, you should also specify the Page number width. Note that page numbers are padded with zeroes until given width if necessary.
Include empty pages	If set to 'Yes', images without (selected) contents will be generated as well.
Image export option	Options are: • <i>Composite</i>: The page will be exported as one image. • <i>Separations</i>: An image will be generated for each separation present on the page. In that case, you must also set the Append separation name option. If enabled, the separation name is appended to the output file name. Note that some characters in the separation name may be replaced in order to create a valid file name.

Properties	Description
Enfocus Cloud Connection	If you want to use Action Lists that are shared through the Enfocus Cloud, generate a token and copy-paste it into this field. You'll find the Cloud resources in a pink folder. For more details, refer to the Resource syncing documentation on our website.
Prerender Action List	The Action List to be executed before the page is rendered.
Restricting Action List	The Action List to restrict the contents of pages. If no Action List is defined, all visible contents is considered selected. If a page does not contain any selection, it is not exported to an image.
Variable Set	Select a variable Set for Smart Preflight. A Variable Set is required only if dynamic Action Lists are used.
Render area	This element specifies which area to be rendered, based on the page box.
Image dimensions	Choices are: <i>Resolution</i>: The page will be rendered at the given resolution. <i>Fixed with and/or height</i>: The page is rendered at the given width and/or height. At least one of Height or Width must be defined. If both are defined, the aspect ratio is not maintained.
Anti-aliasing	If set to 'Yes', the rendering engine will use anti-aliasing.
Enable Color management	Determines whether PitStop Server uses color management to process the file. If set to 'Yes', the configurator shows a series of extra properties to specify color profiles and rendering intent: <i>Color management for images</i>: Specifies the color management mode for image objects. If set to Yes, a number of extra properties are displayed, such as <i>Gray/RGB/CMYK and Lab source</i>, where you must specify the Gray/RGN/CMYK and Lab target color profile respectively. <i>Color management for other objects</i>: Specifies the color management mode for objects other than images; choices are: Same as images: Color management for all objects is specified by 'Color management for images' property and its subordinates. Different: Color management for other objects than images is turned on and defined by the subordinate properties, such as <i>Gray/RGB/CMYK and Lab source</i>, where you must specify the Gray/RGN/CMYK and Lab target color profile respectively. No: Color management for other objects is turned off. <i>BPC</i>: Set BPC to 'Yes' to enable black point compensation in the color management engine.

Properties	Description
Use system fonts	Specifies if the fonts in the system folder are available for handling fonts during processing.
Extra font folder	Path to a folder that contains extra fonts for use while processing files (in addition to the system fonts).

4. Copyrights

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