What is new in ZePrA 13

New Major Features and Improvements

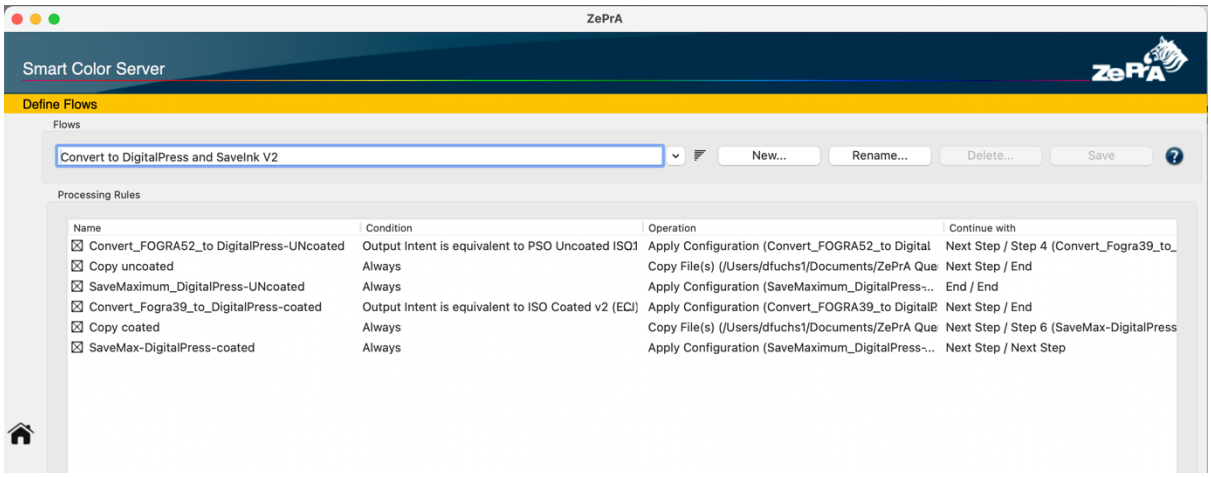
- New ***Flows*** tool with more automation options
- New ***Auto Setup mode*** to set up Flows
- New options for enhanced ***Image Quality***
    - Revised image scaling dialog which now allows for upscaling or downscaling ***Image Resolution***
    - New option for changing the ***Image Dimension***
- Create Multicolor SaveInk profiles on-the-fly using SmartLink
- New ***SmartLink Method*** for conversion to Multicolor with preservation of CMYK color spaces
- New option to overwrite existing items in the ***Import Configurations*** dialog
- Expert DeviceLink Set is included in ZePrA 13
- New smaller but great features for more versatility, speed and quality

New Flows tool with more automation options

In ZePrA, there are several options to directly automate various tasks. The new ***Flows*** tool has been developed to further expand ZePrA's automation capabilities. It provides the ability to connect multiple configurations, route files based on conditions and perform simple automation tasks by setting up rules for file processing. Flows help to reduce the number of queues and hot folders.
However, more complex workflows require high-end automation workflows such as HYBRID CLOUDFLOW or Enfocus Switch, into which ZePrA can easily be integrated.

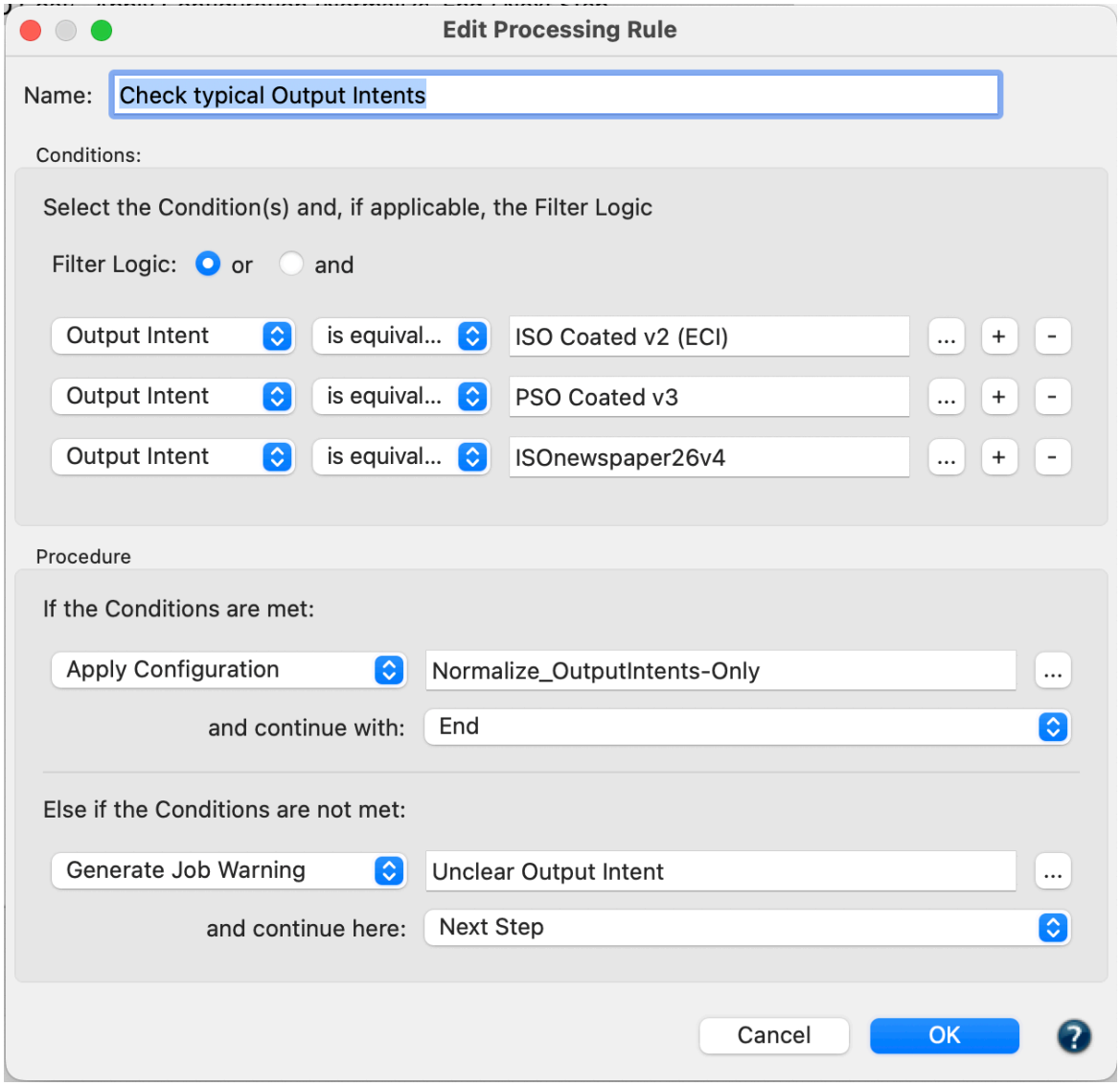
Currently, the new ***Flows*** tool covers the following automation scenarios:

- Combining multiple configurations, such as a color conversion configuration with an ink-saving configuration, in just a single queue.
- Searching for output intents in PDF/X files and/or filtering out PDF files without output intents and forwarding them to the required configurations
- Distribution of files based on naming convention, file size, file type, image width our height, or number of pages
- Embedding CxF/X-4 spectral data for spot colors in PDF/X files
- Automated creation of spot color reports for large numbers of PDF files and optional processing of the files with the best-suited configuration



Flows can be configured in the ***Define Flows*** section. Each flow carries a name and contains one or more ***Processing Rules***. Similar to configurations, ***Flows*** can be created with or without a ***Queue*** and managed in the same way. ***Flows*** are identified in the ***Overview*** by a dedicated orange flow icon. For better distinction, configurations have their own blue icon.

The core of all ***Flows*** are the ***Processing Rules***. A processing rule can include one or more ***Conditions***. If a condition is met, a ***Procedure*** can be defined, which will then be executed. The next step after that can be defined as well. If a condition is not met, an alternative procedure and an alternative next step can both be defined.

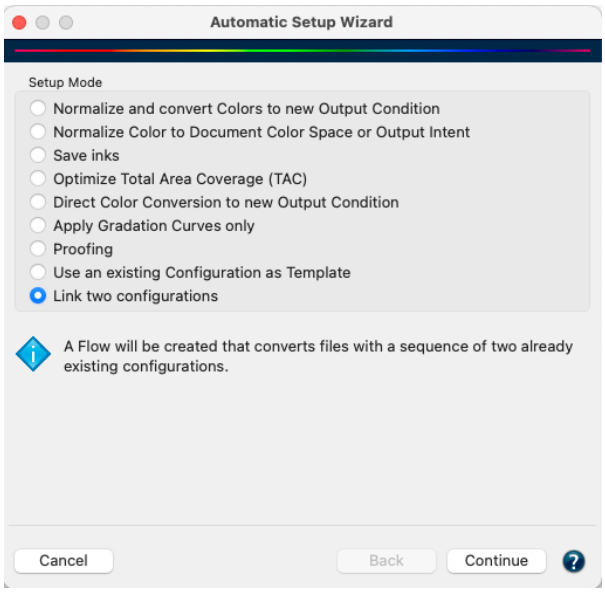


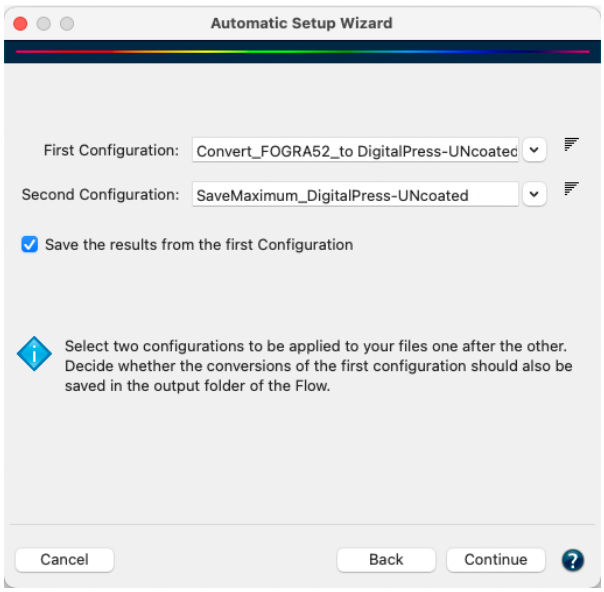
Job Control Files have been improved to optimally support the new flow functions. This can be used to overwrite the settings of a flow or even to define a flow from scratch – similar to configurations.

In ZePrA 13, we have implemented the framework to provide you with a convenient start to automated flows. Please note that more options and application scenarios are likely to be added in the future depending on our customers' needs.

New Auto Setup mode to set up Flows

To assist users in setting up a ***Flow*** for the linking of two configurations we added a new convenient ***Auto Setup Mode*** that guides the user. Select the mode ***Link two configurations*** and follow the wizard to set up your first ***Flow***.



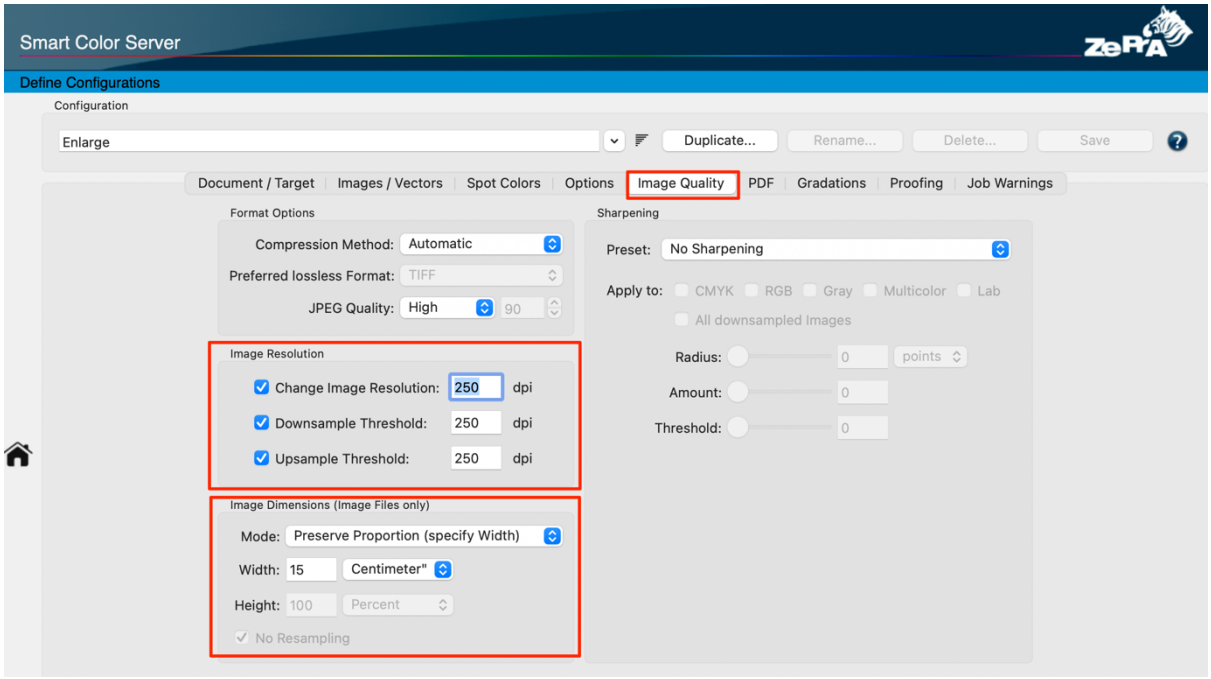


New options for enhanced Image Quality

There is a new tab under ***Configurations*** named ***Image Quality***. All image quality-related aspects, such as the new options ***Image Resolution*** and ***Image Dimensions*** as well as existing options like ***Sharpening*** and ***Format Options***, which were previously located in the ***Options*** tab, are now grouped together in this tab.

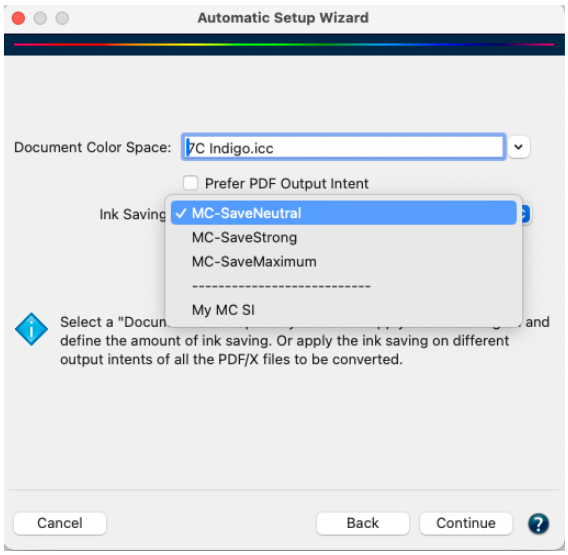
The new ***Image Resolution*** section allows changing the image resolution by adding thresholds for downscaling and upscaling. Previously, only a downscaling of the image resolution was possible; now, it is also possible to upscale it. The first checkbox defines the desired resolution and at least one of the threshold checkboxes must be enabled.

Another new section called ***Image Dimension*** is available for resizing image files. Among other things, this is useful for adjusting the usually enormous dimensions of pictures taken with smart phones. Note that this only applies to image files (TIFF, JPEG, PSD, PSB files) but does not affect images in PDF files.

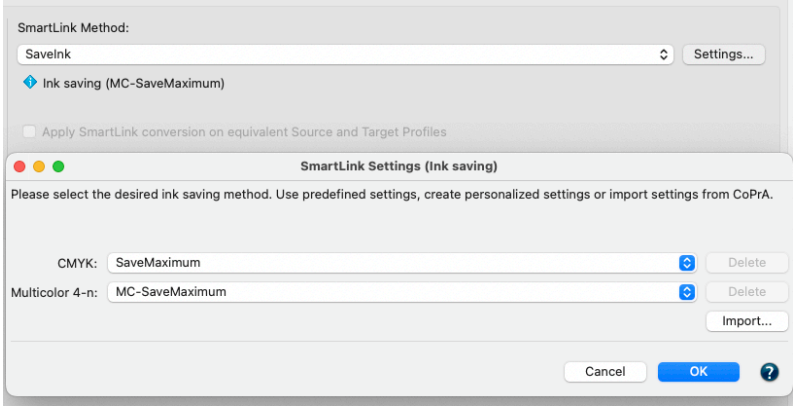


Create Multicolor SaveInk profiles on-the-fly using SmartLink

ZePrA 13 provides the ability to create Multicolor SaveInk profiles on-the-fly using SmartLink. Previously, SaveInk for Multicolor was only available when using pre-calculated SaveInk profiles created by CoPrA, but was not available via SmartLink. Now there are three presets available in the ***Auto Setup Wizard*** and under ***Configurations*** to easily select the level of ink saving. Additionally, custom presets created in CoPrA (from version 11.1) can be shared with ZePrA 13.

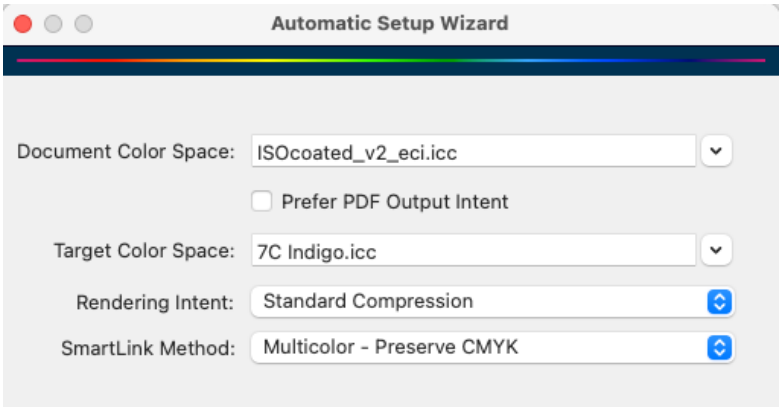


Besides the SaveInk settings for CMYK, the SmartLink settings have also been expanded from 4 to n channels to include Multicolor.

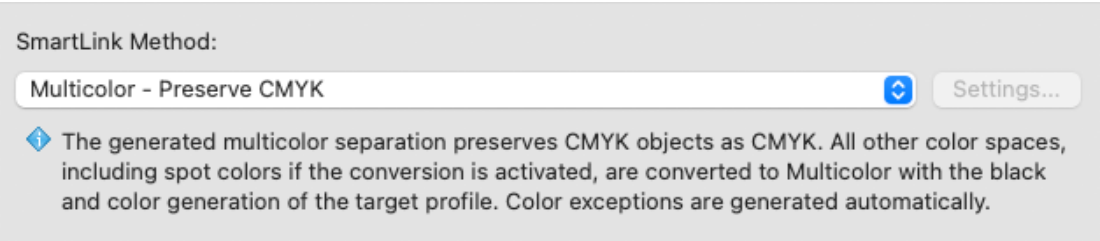


New SmartLink Method for conversion to Multicolor with preservation of CMYK color spaces

There is a new ***SmartLink Method*** in the ***Configuration*** and the ***Auto Setup wizard*** whenever a Multicolor target profile with 5 and more channels has been selected. The method ***Multicolor – Preserve CMYK*** makes sur that CMYK objects in PDF files or CMYK image files are preserved as CMYK when converting to Multicolor.



This is a requirement from packaging customers who often get provide with files having CMYK plus spot colors. When printing, especially in digital printing but as well in analog ECG printing, the requirement is that the spot colors get converted to Multicolor but objects that are CMYK in the original file should be preserved as CMYK after conversion. Of course, the CMYK objects should be converted to the CMYK part of the Multicolor target color space in order for the color rendering to be printed correctly.

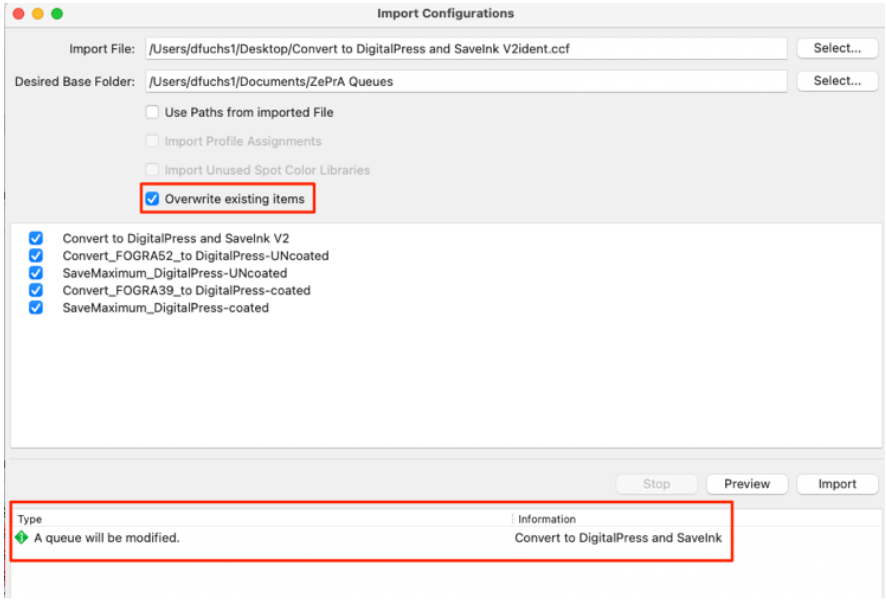


When the new ***SmartLink Method*** is selected the generated multicolor separation preserves CMYK objects as CMYK. Other color spaces such as RGB or spot colors if the conversion is activated, are converted to Multicolor with the black and color generation of the target profile for best color fidelity. For image and vector conversions color exceptions are generated automatically.

New option to overwrite existing items in the Import Configurations dialog

When importing ***Configurations*** and ***Flows*** via the ***Import Configurations*** dialog items, such as folders, configurations, flows, ICC profiles, spot color libraries etc. that exist already will not be imported and overwritten by default. This has changed in comparison to earlier versions because previously ZePrA would have overwritten changed items which might not be wanted.
In general, ZePrA 13 does not overwrite existing items, such as configuration names, so that those items will not be listed at all if the new checkbox ***Overwrite existing Items*** is off.

When enabling the checkbox ***Overwrite existing Items*** all items that differs from the already existing items such as a changed setting in a configuration or queues will be listed and will be overwritten to match the imported settings.



Spot Color Rules from external files with Job Control Files

The spot color conversion rules (which define how spot colors are converted to process colors) are usually calculated by ZePrA, but they can also be defined by third-party tools via external files such as TXT and CxF files.

- The option to use these external files has already been integrated into the user interface in ZePrA 12.1, but from ZePrA 13 onwards, these external files can also be used via ***Job Control Files***. This allows on-the-fly adjustment of spot color conversion based on measurements and calculations directly at the printing press using appropriate third-party tools. The corresponding ***Job Control File*** documentation has been expanded to explain the syntax.

Expert DeviceLink Set is included in ZePrA 13

With ZePrA 13 all 432 professionally created DeviceLink profiles of the ***DLS Manager*** are included in a new purchase of ZePrA. These profiles will be open profiles that can be used not only in ZePrA but in all ICC applications that are able to use DeviceLink profiles. This strengthens the usability of ZePrA in a global world as all international printing standard covering ISO, Gracol and Japan are included.

New smaller but great features for more versatility, speed and better quality

- The starting and closing time of the program has been improved when there are many configurations.
- The performance when checking queue folders has increased when there are many queues.
- The progress of file processing is now also shown in the ZePrA application icon.
- An updated Adobe PDF flattening engine has been integrated that solves a few flattening issues reported from clients.
- The CrossXColor engine for the creation of SmartLink profiles has been integrated that is now compatible with the recent CoPrA 11.1.1 version.
- The most recent ColorAnt 11.1 and Measure Tool 8.1 installer has been included in the ZePrA installer making sure that measuring of spot colors and test charts within ZePrA is performed reliably.