What is new in Enfocus Switch 13
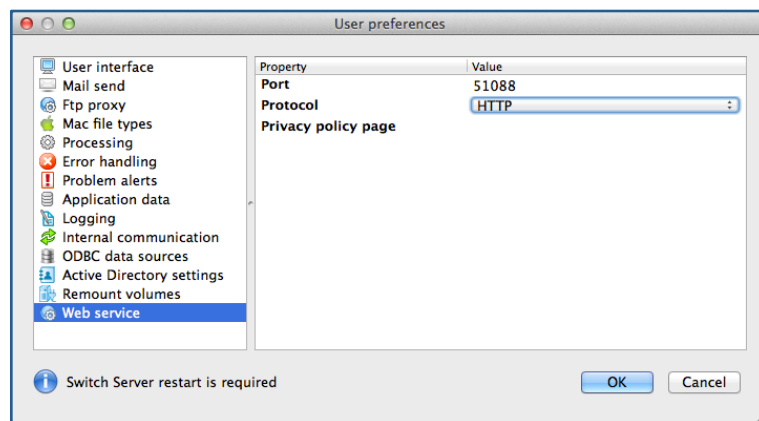
New features and functionality

The Switch Messages Viewer - Viewing log messages through a web browser

From this version onwards, you can view the Switch log messages remotely, so you don't have to log into a Switch Designer anymore. Therefore, a new application component has been added, i.e. **Switch WebServer**. This component allows you to connect to the Switch Server through a web browser.

You can use the following browsers:

- Google Chrome
- Firefox
- Safari
- Microsoft Explorer

You must configure the communication settings for the Web service in a new category of the preferences:
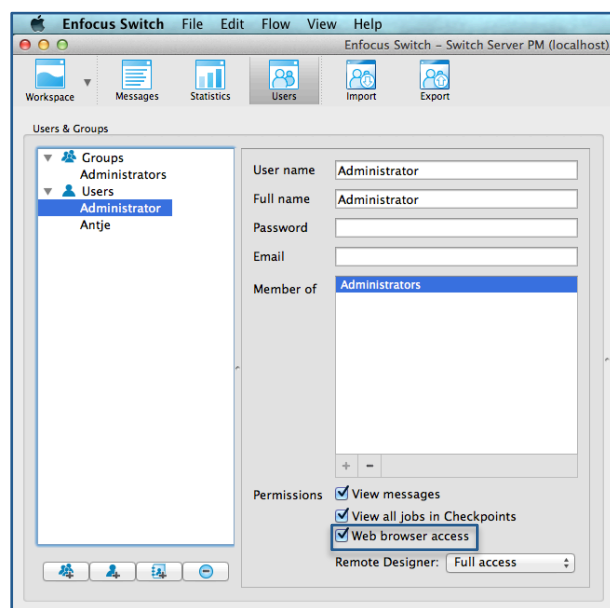

The port used for communication between Switch WebServer and the browser to launch the log messages needs to be in the following range: 1 to 65535. Default value is 51088.
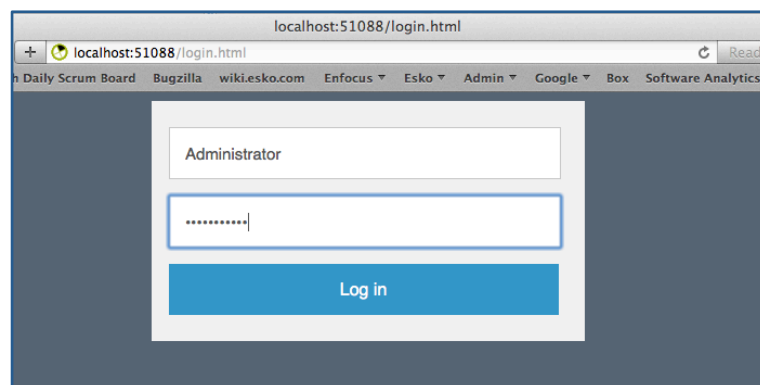
You can choose between 2 protocols used for the communication between the WebServer and the browser:

- HTTP (default value)
- HTTPS (secured, encrypted communication for which you need a certificate)
  - If set to HTTPS, the following additional fields appear:
  - Certificate: Path to the certificate file
  - Private key: Path to the private key file
  - Password for private key: Password for the private key

In the Switch user panel, please allow the appropriate access for the user.

To view the log messages through a web browser:

1. Open the browser of your choice.
2. Enter the IP address or the name of the computer running Switch Server followed by a colon (":") and the port number for the WebServer (as set in the Switch preferences).
3. Enter your username and password and click **Log in**. The Switch Server must be running, otherwise you will not be able to log in.

The most recent log messages are displayed, with a maximum of 1000 messages in total. If you sort by Date and Time (descending), you can use the auto refresh option in the top right corner of the screen. If you click on Date and Time, your messages are automatically sorted in a descending way. (Newest first)
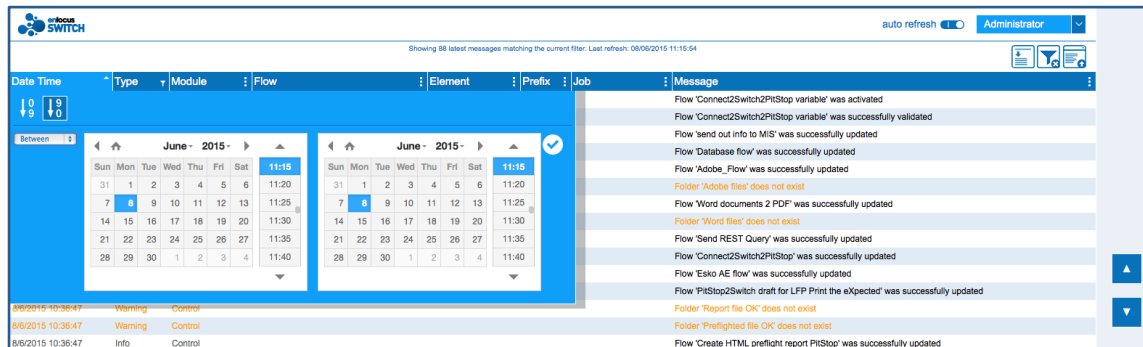
A thin arrow in the column header indicates the current sort order (descending or ascending).

A filter icon indicates that a filter has been set on the column concerned.
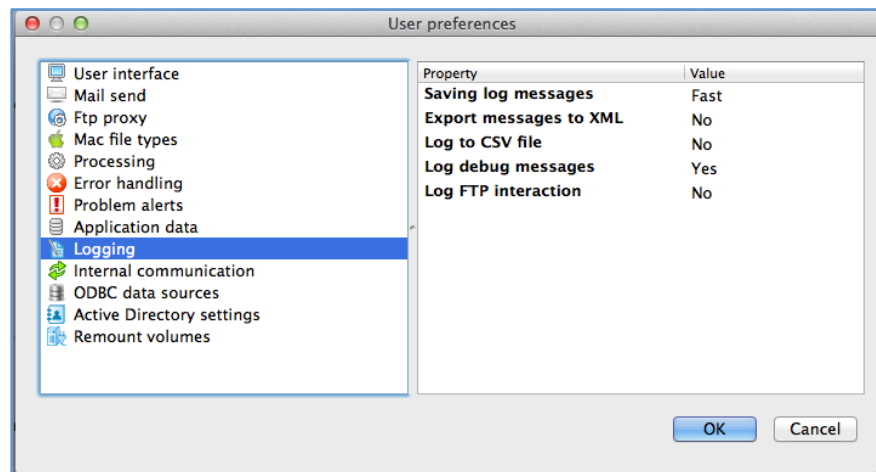

You can now sort the messages or filter out the messages you're interested in as required. If you would like to save this filter settings, you can save or bookmark the URL, to easily return to the filtered overview.

Debug messages:

In this Switch 13 release, we added all messages again. Next to the filters for "error", "warning" and "info" you can now also filter for "debug" and "assert" messages.
For being able to filter debug messages, please go to Switch preferences and set the "Log debug messages" to "Yes".
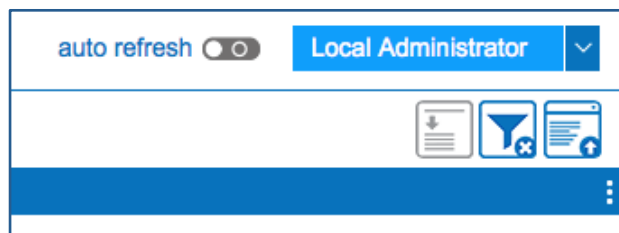

Note: Debug messages will only be available in the Web browser messages.

You can also open the Web messages out of the Switch Designer. Please press the button "Messages".

When you use the "Messages" you don't need to login again. You are using a global login for the Switch Designer called "Local Administrator". This is an internal user; you cannot modify this user in the users pane.

For the Web messages View, we added some more functionality:

 Wrap text

 Clear filters = clears filter – not the sorting setup

 Export log = Exports the messages currently displayed.
The log will be exported as csv file.

If you would like to use the messages within the Switch Designer, you can enable them in the View menu -> Show panes -> Messages.

Invisible grid - Easier to align flow elements

In previous versions, you could move around flow elements without restrictions, wherever you wanted on the canvas, and even (unwantedly) on top of each other. This often resulted in sloppy flows and it required a lot of time to align the different elements. From this version onwards, when moving elements, they are automatically snapped to an invisible grid, so it is easier to align them. Besides, if you now try to place several elements on top of each other, a warning icon appears. However, if you really want to place elements on top of each other, you can still do so using the arrow keys.
Please note, that it is only available for newly created flows in Switch 13. Old flows will not be repositioned.

Improved performance

To improve the performance, Switch no longer scans auto-managed folders (as the contents of these folders is already known to Switch). This frees up resources and increases the performance. As a user, you will notice a few changes, such as:

- A new user preference:
  "Scan user-managed folders every (seconds)" which replaces two old preferences, i.e. "Scan intermediate folders every (seconds)" and "Scan input folders every (seconds)"
- Manipulation of auto-managed folders is no longer allowed (as they are no longer scanned), so the option 'Open in Finder/Explorer' has been removed from the context menu. In addition, an icon is added to indicate, which folders are auto-managed.

Note:
For debugging purposes, it may be necessary to inspect the content of auto-managed folders. In that case, you can display the advanced preference 'Open in Finder/Explorer' by pressing Shift while right clicking the folder concerned on the canvas.

- Submit hierarchy should always be a user-managed folder, as the user must determine the hierarchy of the folders.
- If you update from an older versions, flows containing Submit hierarchy elements with an auto-managed folder will not be validated anymore. You need to change the folder properties.

Note:
Remember that, just like in previous versions of Switch, it is not allowed to point user folders to auto-managed folders (e.g. containing the result of another flow). As auto-managed folders are no longer scanned, this will not work.

Keep groups when exporting flows

Switch flow groups can now be exported and imported, preserving the group hierarchy.
This can be useful when making back-ups or sharing flows with colleagues. Just go to **Flow > Export all** and all flows including the groups will be exported. If you import the flows, they will be imported with the group information.
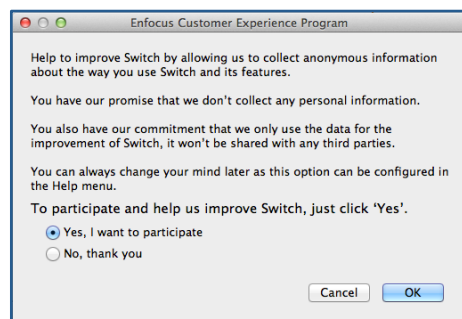
To export one or more flow or flow groups

1. In the Flows pane, select the flow(s) or flow group(s) concerned.
2. Do one of the following:
   - From the menu, select Flow > Export Flow(s)...
   - Right-click the selected flow(s) and choose Export Flow(s)...
   - Click and select Export Flow(s)...
3. Choose a location and a name (in case of a single flow) or a destination folder (in case of flow groups or if you selected more than one flow).

The selected flows and flow groups are exported and saved in the chosen location. If you have exported several flows, the flows are saved in the destination folder, one file per flow, and they are named after the flow. Flow groups are saved with file extension *.sflows.

Enfocus Customer Experience Program

The Enfocus Customer Experience Program allows us to collect information about the way you're using Switch 13. We can track features and usage trends to make sure that we concentrate on the most important developments for our customers.

This information is processed anonymously and will help us improve the software. Note that this option is enabled only if you have confirmed your participation explicitly. You can at any time turn on or turn off this option through the Help menu.

New Tools

Archive and Unarchive

The Compress and Uncompress tool have been replaced with these two new tools. They work in the same way, but, in addition, they provide support for Unicode and they also support large zip files (bigger than 4GB, comply to Zip64 format.).
For compatibility reasons, Compress and Uncompress remain available; you can find them in the Legacy category in the Flow Elements pane.

Tools 2.0 (updated)

The following tools are changed and / or re-written to improve file handling. Tests shows that they are now up to 10 times faster (depends on the flow).

Assemble Job / Hold Job

- Up to 4 times faster *

Split / Merge PDF

- Up to 7 times faster *

* Depends on the configuration

New Configurators

Enfocus PitStop Server PDF2Image:
This configurator (installed automatically with PitStop Server 13) renders PDF files to images, either as a whole or split into separations. It supports JPEG and PNG image output.
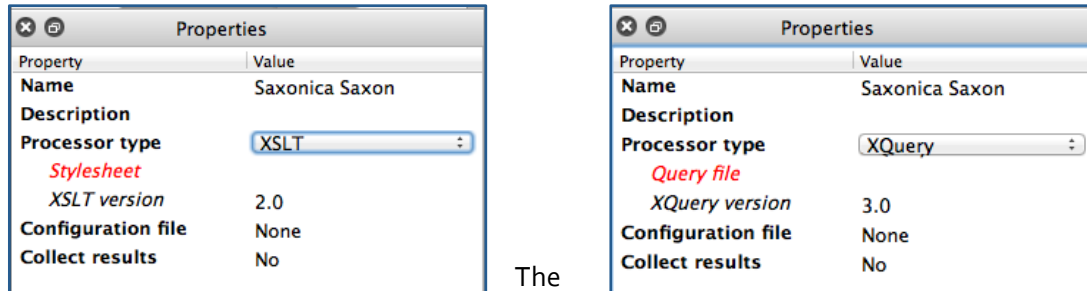
Aproove Configurator:
Aproove Express is a cloud-based web approval and collaboration solution, allowing Enfocus Switch users to involve print buyers in a straightforward Online Approval process. Switch will automatically register the print buyer's decision and route the job to the appropriate stage in the workflow.

Property	Value
Name	Aproove
Description	
Aproove web server address	http://demo2.aproove.com
Login	
Password	
Aproove configuration name	DEMO Brochure PDF
Invitation sender name	antjeg@enfocus.com
Reply e-mail address for feedback	antjeg@enfocus.com
Question type raised when job is submitted	41 # Express Approval / Rejection Without comments
Body of the question raised	
E-mail recipients of end user for feedback	antjeg@enfocus.com
Question language	English
Invitation default view	Standard
Allow previous version display	No
Allow low res PDF export of job	No
Allow proof annotation (sticky notes)	No
Allow Color Layer Separations display	No
Aproove Job name override	
Absolute expiration date	28 Apr 2015 10:47:20 GMT+2
Relative expiration date from current sendi...	0
Refreshing timer delay	1

Saxon Configurator:

This new configurator allows performing XSLT 2.0 and 3.0 transformations using Saxon. It also allows querying information out of xml files using XQuery.

Property	Value
Name	Saxonica Saxon
Description	
Processor type	XSLT
Stylesheet	
XSLT version	2.0
Configuration file	None
Collect results	No

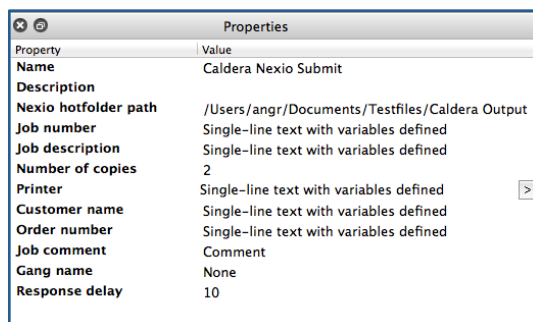| Property	Value
Name	Saxonica Saxon
Description	
Processor type	XQuery
Query file	
XQuery version	3.0
Configuration file	None
Collect results	No

The

Saxon configurator searches for Saxon processor in the default applications installation folder ('Program Files\Saxonica' in case of Windows and 'Applications/Saxonica' folder in case of Mac OSX). On Windows configurator searches for .Net version of the processor first and only in case nothing is found it searches for Java version. On Mac OSX the configurator searches for Java version only. Since some third-party applications include Java archives of Saxon processor it is important to make sure that configurator has found the expected version of Saxon. If the configurator could not find any Saxon processor or if it has found a wrong version, it is necessary to set the correct version manually using 'Set path to application...' context menu item.

Caldera Configurators

Caldera Nexio Submit

The configurator will submit a JobTicket (JDF) to Cladera Nexio

Property	Value
Name	Caldera Nexio Submit
Description	
Nexio hotfolder path	/Users/angr/Documents/Testfiles/Caldera Output
Job number	Single–line text with variables defined
Job description	Single–line text with variables defined
Number of copies	2
Printer	Single–line text with variables defined
Customer name	Single–line text with variables defined
Order number	Single–line text with variables defined
Job comment	Comment
Gang name	None
Response delay	10

Caldera Nexio Collect

The configurator will collect JobTickets (JDF) from Caldera Nexio

AccuZip

The configurator provides mail-processing services for mailing using the US Postal Service. The AccuZIP Direct Mail Configurator, which is certified by the US Postal Service, is a revolutionary technology that allows users to integrate a complete end-to-end postal automation workflow with 100% visibility of all mail-pieces in the mail stream.

Use Switch and the AccuZIP Configurator to process mail files exclusively or combine both Print and Mail processing for automation.

Updated Configurators

Alwan ColorHub

HP Digital Front End JDF Control
HP SmartStream Designer Ganging*
HP SmartStream Designer Imposition*
HP SmartStream Designer VDP*

* support of Adobe CC 2015

The **CorelDraw** configurator is now compatible with the latest version of CorelDraw, X7.
The **QuarkXpress** configurator supports now QuarkXPress 2015.
WoodWing Enterprise

Adobe Configurators

The Adobe configurators are now scripted plug-ins instead of C++ applications integrated in Switch. As a consequence, new versions of these configurators can be downloaded from the Crossroads website or from within Switch, through PackManager, just like any other configurator. They are no longer tied to Switch releases. That gives us the possibility to react faster to a new release of Adobe products.

Please note: When you install Switch, you still install the c++ configurators. The Adobe InDesign, Adobe Illustrator, Adobe Photoshop configurators support CS6, CC and CC2014, the Adobe Acrobat and Adobe Distiller configurator support version 10 and 11. The Adobe InDesign Server supports CS6 and CC.

With installing the new configurators, you get support for CC2015 and Acrobat DC.

Note: If you install the new Adobe configurators, the existing Adobe configurators will be overwritten!

Other changes

- Switch Designer and Switch Server are now by default available in 5 languages (English, German, French, Japanese and Chinese); you can simply select the required language from a list in the Preferences, whereas in previous versions you had to explicitly install them during the Switch installation process or through the PackManager.

- Output folders and Archive hierarchies now have a new property "safe move", which is relevant if the source folder (= an intermediate Switch folder) and the destination folder (= the output folder/Archive hierarchy) are on different volumes (drives/partitions). By default, this option is enabled. Switch will first copy the job to a temporary file before deleting the job from the original location. This is a safe way of moving files and avoids that files get lost in case of network problems. In case of issues with 3rd party software when moving files from one volume to another, you can disable this safe move mechanism, so that the job is moved immediately to the destination Folder/Archive hierarchy.

- From now on, new Switch 13 users need an Enfocus ID in order to activate Switch. The Enfocus ID is a new (free) Enfocus account that replaces all former accounts (product activation account, webshop account, forum account) and will be used for all communication with Enfocus. Existing users upgrading from Switch 11 or 12 can still use their old Enfocus product activation account, if they prefer so.

- Now Switch supports both the older "pre-Windows 2000" and the newer "Principal Name" naming convention for Active Directory User names (domain/username and username@domain).

- As Switch stores the language preference of the users launching messages in a web browser, we ask the users to explicitly accept cookies. If users refuse, they can continue to work, but they simply have to re-define the language of their choice after a browser restart. To comply with legal requirements (as personal information is stored as a cookie), you can add a link to your privacy policy.

- The PHP sample that comes with the Web Services SDK has been updated to comply with PHP 5.5 or later.

- From this version onwards, we are not supporting 32bit operating systems anymore!

New Operating System

Windows 10

We are happy to support Windows 10 with our Switch 13 release!

Bug fixes

The following bugs have been fixed:

Bug	Description
Bug 6559	Files not processing because connection has been removed
Bug 25489	Switch - Request SOAP class samples
Bug 26119	Search in scripter isn't intuitively
Bug 26165	Incorrect focus after search in Scripter
Bug 26217	Wrong validation when reloading script and undoing the changes
Bug 27207	Unpack job doesn't remove metadata when requested to
Bug 28781	File disappears from flow with database connect
Bug 29885	Checkpoint backing folder path is empty; reactivate the flow
Bug 30189	The Error in line 4 of script Include these jobs: Parse Error: expecting `'(" message is logged when there should not be a problem.
Bug 30351	InDesign configurator: Save action can save the wrong file
Bug 30424	Un-responding Switch Apple Script Executor
Bug 30560	Wrong icon is shown when you drag and drop jobs on the canvas
Bug 30854	Switch is not remembering hierarchy information when it has to reprocess the file because it was in use the first time
Bug 30908	Jobs pane and folder counters are updated very slowly when removing jobs via Switch Designer.
Bug 31040	Optimize the hold job and assemble job speed wise when having lots of jobs in the folder before it
Bug 31148	Crash when a lot of flows are upgrading
Bug 31161	Automatic retry for unreachable folder is not working
Bug 31612	The Job.NestedName variable sometimes shows hidden files
Bug 31620	Variable set editor is not translated in German Language Pack
Bug 31636	Active Directory problem when the NetBIOS domain name does not match the first domain component of the full domain name
Bug 31741	Problems with s.copy on 10.9 and TurboNAS software
Bug 31812	Reset Views does not stay when switching to messages
Bug 31857	Files go to wrong folders when keep unique file name is turned off
Bug 31999	Temp files of the Merge PDF are not cleaned up when the Merge PDF is closed

	after a timeout
Bug 32034	Switch Server occupies the whole core on not correctly created flows
Bug 32126	Memory leak in Switch Server
Bug 32160	Switch 12.2 errors-Could not save document.
Bug 32179	Database corrupt, improve behavior so new database is created
Bug 32237	Better handle deletion of locked files
Bug 32244	Crash in Mail send tool
Bug 32276	Inconsistent job ticket results
Bug 32380	Files not moving but partial .~#~ directories are transferred
Bug 32396	.ttc fonts not recognized in InDesign Package
Bug 32422	UNCOMPRESS: Job failed because a standard error occurred in plugin 'Uncompress': std::bad_alloc
Bug 32480	Script Elements are Renaming Themselves
Bug 32565	Switch can't move a file in a hierarchy if the hierarchy root has read only permissions, but the folder itself read and write permissions
Bug 32606	It is not possible to use job.getVariableAsString in VBscript
Bug 32613	Flow documentation: passwords visible for email and pack job element
Bug 32640	Why would transferring a single job to a network volume block all other processes?
Bug 32641	Reproducible Crash in Windows 8.1
Bug 32674	http request: how to define headers (content-type)
Bug 32648	Some job variables become not working if job went through problem jobs
Bug 32707	The behavior of the counter on the archive hierarchy has changed in Switch 12, update 3
Bug 32742	Unzipping an archive created by Switch on another OS gives encoding issues
Bug 32746	SwitchClient doesn't receive updated jobs
Bug 32807	The support info is not filled in AboutDialog.txt of the collected application data
Bug 32903	Scripting element XML Magic changes back to default name after import
Bug 32985	ClientConnection class should be described in our scripting API doc
Bug 32999	Stats Color mode doesn't give sample value with .png files
Bug 33048	Switch crashes when it is activated using an Enfocus ID not linked to the Esko domain
Bug 33057	The calculation variable gives unexpected results when calculating with numbers having leading zero's
Bug 33066	Add a json http sample to the documentation
Bug 33111	Dataset class question

Bug 33148	Unformatted value calculated for the variable [Job.Hierarchy]
Bug 33155	Applescript API for fail process does not work
Bug 33194	Quark configurator is not working on Yosemite
Bug 33218	The quark configurator doesn't find the Quark file on Yosemite
Bug 33235	Mac file extension gets added when preference set to YES and the file already has an extension
Bug 33248	Additional info to the scripting manual
Bug 33284	Files fail to fully copy via Inject Job element from mounted volumes
Bug 33322	Crash on server exit (IJTQueue)
Bug 33327	Crash on server exit when accessing remounter thread
Bug 33331	Crash on getting statistics for particular tiff file
Bug 33401	Jumping folders on canvas
Bug 33514	Problem on uploading file with & in filename onto Woodwing server

System requirements

Switch Server

Dual Core (additional cores recommended depending on the use of 3rd party applications)
RAM 4GB (2 GB per Core recommended)

Switch Proxy

Minimum Dual Core processor
Minimum 2GB of RAM

Supported operating systems Switch Server and Switch Proxy

- Microsoft® Windows® 7 (64-bit, running in 32-bit mode)
- Microsoft® Windows® 8 (64-bit, running in 32-bit mode)
- Microsoft® Windows® 8.1 (64-bit, running in 32-bit mode)
- Microsoft® Windows® 10, (32-bit and 64-bit, running in 32-bit mode)
- Microsoft® Windows® 2008 Server R2 Standard or Enterprise Edition (64-bit, running in 32-bit mode)
- Microsoft® Windows® 2012 Server (64-bit, running in 32-bit mode)
- Microsoft® Windows® 2012 Server R2 (64-bit, running in 32-bit mode)

- Virtual Machines (VMWare, Hyper-V)

- Mac OS® X 10.8
- Mac OS® X 10.9
- Mac OS® X 10.10
- MAC Server
    - o Note: OSX Server is an app for the regular OSX version; hence it is not considered a separate OS. If the base OSX version is supported, then the base OSX version including the OSX Server app is supported.

Supported operating systems Switch Client

- Microsoft® Windows® 7, (32-bit and 64-bit, running in 32-bit mode)
- Microsoft® Windows® 8, (32-bit and 64-bit, running in 32-bit mode)
- Microsoft® Windows® 8.1, (32-bit and 64-bit, running in 32-bit mode)
- Microsoft® Windows® 10, (32-bit and 64-bit, running in 32-bit mode)

- Microsoft® Windows® 2008 Server R2 Standard or Enterprise Edition (64-bit, running in 32-bit mode)
- Microsoft® Windows® 2012 Server (64-bit, running in 32-bit mode)
- Microsoft® Windows® 2012 Server R2 (64-bit, running in 32-bit mode)

- Virtual Machines (VMWare, Hyper-V)

- Mac OS® X 10.8
- Mac OS® X 10.9
- Mac OS® X 10.10
- Mac Server
    - Note: OSX Server is an app for the regular OSX version; hence it is not considered a separate OS. If the base OSX version is supported, then the base OSX version including the OSX Server app is supported.

Compatibility between Switch and SwitchClient

If you use Switch and SwitchClient, it's important that the versions used are compatible:

- Switch 13 and SwitchClient 12: This combination is supported. The communication protocol is adjusted in such a way that an older client still gets the information it expects. This is helpful when users have moved to a new Switch version and cannot ensure to upgrade allSwitchClient installations at the exact same time.
- Switch 12 and SwitchClient 13: This combination is **NOT** supported. A newer SwitchClient should always talk to a Switch of at least the same version.