

**Enfocus BVBA**

Kortrijksesteenweg 1095  
9051 Gent  
Belgium

+32 (0)9 216 98 01  
info@enfocus.com

# Switch 2018

## “What’s New” in Switch 2018.

This document lists all the new features, fixes, and improvements available in Switch 2018.

### New features

Switch 2018 comes with features for everyone. A common theme for Switch 2018 and the planned update releases is production transparency: we focus on features that help you better monitor your production. In this release we added **a Job finder tool** for anyone who needs to quickly find (the status of) a job.

Another important new feature is the support that we added for new technologies to connect to external services: flow designers, script writers and integrators can now use **webhooks** in their flows and scripts.

### Fixes and improvements

One thing we do often when building a flow is checking variables and metadata of sample jobs. This is now possible with a single click.

Adding and updating Private Data, a feature previously only available through scripting, is now possible on almost any folder in a Switch flow – without needing to script anything.

Based on the requests of our Job Client users we added a one-click action to **open jobs in their native application** for quick edits, an option to select and process multiple jobs at once and we made it easier to find jobs in Checkpoints.

Toon Van Rossum

Product Manager





<b>Improved installation process</b>	<b>3</b>
<i>Switch custom installation</i>	3
<b>New features</b>	<b>4</b>
<i>Job finder</i>	4
<i>Webhooks</i>	12
<i>Private data</i>	13
<b>Improvements</b>	<b>15</b>
<i>One-click access to job variables and metadata</i>	15
<i>One-click to release all connections</i>	16
<i>Job Client</i>	16
<b>Status of deprecated and legacy technologies</b>	<b>19</b>
<i>Compress and Uncompress tools (since Switch 13)</i>	19
<i>Applescript: (since Switch 2017)</i>	20
<i>SwitchClient Desktop application (legacy application since Switch 2017)</i>	21
<i>Persistent execution mode of Scripts (since Switch 2018)</i>	21



Package Name	Action	Size
<input checked="" type="checkbox"/> Switch services	Upgrade	964,2 MB
<input checked="" type="checkbox"/> Designer	Upgrade	294,2 MB
<input checked="" type="checkbox"/> Dashboard service	Upgrade	90,6 MB

## Improved Installation process

### Switch custom installation

An extra step has been added to the Switch 2018 install wizard, providing you with the option to choose which Switch component(s) to install. For example, if a system will only be used to run a Remote Designer, it's no longer needed to install all Switch components; the Designer is enough.

### Switch Services

This installs the actual processing part of Switch, aka the Switch Server. When installing the Switch Server on

a system it is required to also install the Designer and the Dashboard Service. Only installing the Switch Services is currently not supported.

### *When do I need to install the Switch Services component?*

This is the main installation of Switch. Install the Switch Services on the server on which Switch will be running. As this installation requires the two other components they will be automatically selected.

### Switch Designer

If you need to connect to a remote Switch Server from your local system, it is enough to only install the Designer on your system. This makes it much more straightforward to use the Remote Designer.

### *When and where do I need to install the Designer component?*

Install the Designer on all systems from which you want to connect remotely to your Switch Server.

### Dashboard service

Switch 2018 comes with a Job finder tool that requires Switch to temporarily store extra data. We do support running the service on a separate system, but only if advised by our Support Team.

### *When do I need to install the Dashboard Service component?*

Only install this service on a separate system when advised so by our Support Team.



## New features

### Job finder

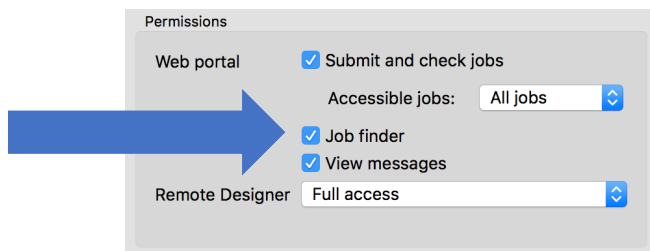
Job finder boards are customizable views to quickly get a general overview of your jobs, and to easily locate specific jobs in your Switch flows.

#### Building your first Job finder board

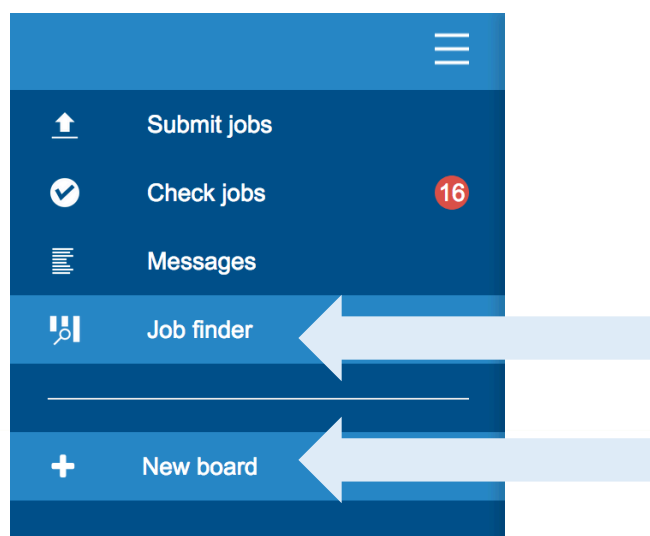
A useful example would be to build a board that lists the problem jobs of all your flows.

Proceed as follows:

1. Make sure the user has permissions to create Job Boards.
  - a. In Switch Designer in the Users Pane, enable the permission "Job Finder"

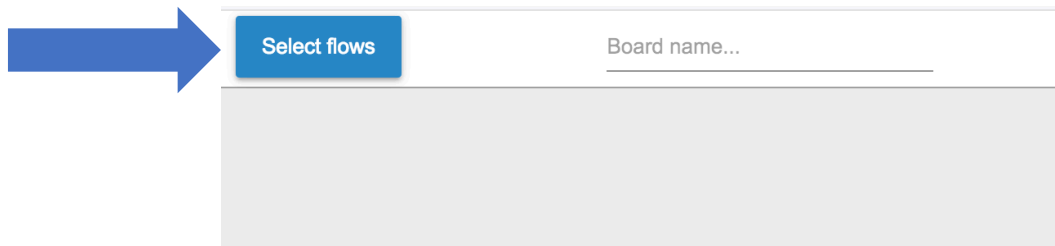


2. Log in to the Switch Web portal.
3. Select the "Job finder" item in the Navigation area in the Web Portal and choose "+ New board".

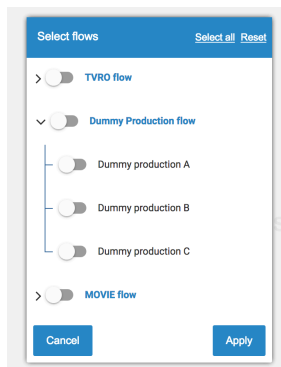




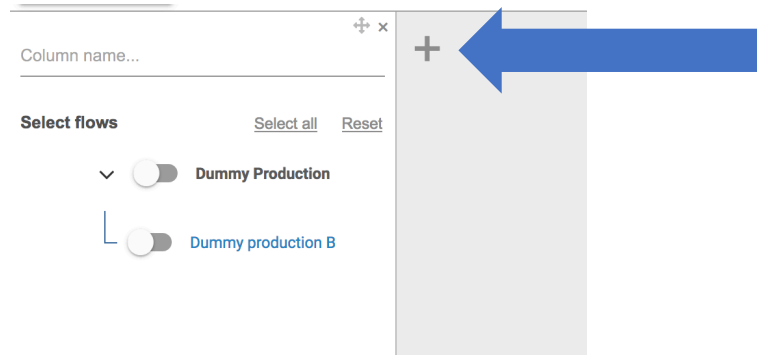
4. In the empty board editor that appears, click the “Select flows” button in the top left.



This button will display a dialog to select flows to use as a basis for the board.



5. Now select the flows you want to see on your board.
  - a. You can either select all flows, select by group, or select flow-by-flow.
  - b. For your first board, you may start with two or three flows, just to see how it works.
  - c. Click “Apply” to confirm.
6. Next you should create columns. For each column you add you can make a sub-selection of the previously selected flows. For example, if you selected three flows for your board, you could make three columns, one for each flow.



7. Next, you should for each column select the flow stages. In this example, you want to see all problem jobs, so select the predefined 'Problem jobs' stage.

**If you only just installed Switch 2018, only 2 options will be available in the Flow stages list.**

- No stage
- Problem jobs

If you have used stages before, you will see all stages that were used in the selected flow. Stages will be explained in detail in the next chapter.

The following screenshot is an example of how your board could look.



3 flows selected      Problem Jobs      Save

A	B	C
<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p> <p>  <input type="checkbox"/> Dummy production B</p> <p>  <input type="checkbox"/> Dummy production C</p> <p><input type="checkbox"/> No stage</p>	<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p> <p>  <input type="checkbox"/> Dummy production C</p> <p>  <input type="checkbox"/> Dummy production A</p> <p><input type="checkbox"/> No stage</p>	<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p> <p>  <input type="checkbox"/> Dummy production B</p> <p>  <input type="checkbox"/> Dummy production A</p> <p><input type="checkbox"/> No stage</p>
1 flow selected	1 flow selected	1 flow selected

8. Give all columns, and the board, a name; otherwise you won't be able to save!

3 flows selected            Save

<input type="text"/>	<input type="text"/>	<input type="text"/>
<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p>	<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p>	<p>Select flows      <a href="#">Select all</a>   <a href="#">Reset</a></p> <p>▼ <input type="checkbox"/> Dummy Production</p>

9. Click the "Save" button.

You will automatically switch to the "view" mode of the board and get an overview of all problem jobs of all three flows.



### Problem Jobs 2 flows

Problem Jobs Flow A	11 jobs	Problem jobs Flow B	8 jobs
Barbecue.pdf Problem jobs		Fruit_Wheelchair.jpg Problem jobs	
Swimming_Pool_Na... Problem jobs		Boss.jpg Problem jobs	
Sports-car.ai Problem jobs		Banana.indd Problem jobs	
Library.psd Problem jobs		Dress_Passport.indd Problem jobs	
Surveyor_Tongue.jpg Problem jobs		X-ray.psd Problem jobs	
Bowl_Vulture.jpg Problem jobs		Fork_Pepper.indd Problem jobs	

### Flow stages

Although not required, it does make it easier to locate jobs in a Switch flow if you define stages in your Switch flows.

The beginning of each new flow stage is defined on a folder.

Property	Value
<b>Name</b>	stage example folder
<b>Description</b>	
<b>Path</b>	Auto-managed
<b>Color</b>	Yellow
<b>Attach hierarchy info</b>	No
<b>Attach email addresses</b>	
<b>Attach email body text</b>	
<b>Attach job state</b>	
<b>Set job private data</b>	None
<b>Show in statistics</b>	No

Stages do not have to be unique, not on flow level, not on Switch level. Re-using stages in multiple flows allows you to build boards listing jobs of different flows, but in the same stage.

For the next example I added following stages:

- Job Receiving
- File conversion
- Preflight
- In Checkpoint
- Timeout





This allows configuring the columns as follows:

### One column for each stage

The image shows three side-by-side configuration panels, each representing a different stage: 'Job Receiving', 'Native File Conversion', and 'Preflight'. Each panel has a title bar with a close button (x) and a maximize button (⊕). Below the title bar, there are two sections: 'Select flows' and 'Select stages'. The 'Select flows' section contains a large green rectangular area. The 'Select stages' section contains a list of stages with toggle switches. In the 'Job Receiving' panel, the 'Job Receiving' toggle is turned on. In the 'Native File Conversion' panel, the 'Native file conversion' toggle is turned on. In the 'Preflight' panel, the 'Preflight' toggle is turned on. Each panel also has 'Select all' and 'Reset' links.

### Or one column per flow

The image shows three side-by-side configuration panels, each representing a different flow selection configuration. Each panel has a title bar with a close button (x) and a maximize button (⊕). Below the title bar, there are two sections: 'Select flows' and 'Select stages'. The 'Select flows' section contains a list of flows with toggle switches. In the first panel, the 'Dummy Production' toggle is turned on. In the second panel, the 'Dummy production B' toggle is turned on. In the third panel, the 'Dummy production A' toggle is turned on. Each panel also has 'Select all' and 'Reset' links. Below the 'Select flows' section, there is a large green rectangular area. Each panel also has a 'Reset' button at the bottom right.



### A combination is also possible

The screenshot displays a configuration interface for three flows: flow A, flow B, and flow C. Each flow has a 'Select flows' section with a dropdown arrow and three toggle switches: 'Dummy Production', 'Dummy production B', and 'Dummy production C'. Below each flow is a large green rectangular area representing a stage. To the right, a 'Select stages' panel contains three toggle switches: 'Problem jobs' (checked), 'Native file conversion', and 'Job Receiving'. Each panel includes 'Select all' and 'Reset' buttons.

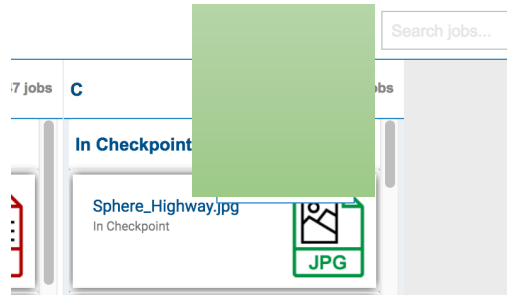
### Viewing, editing and finding jobs

Once a board configuration is saved it will be listed in the Navigation area of the Web Portal.

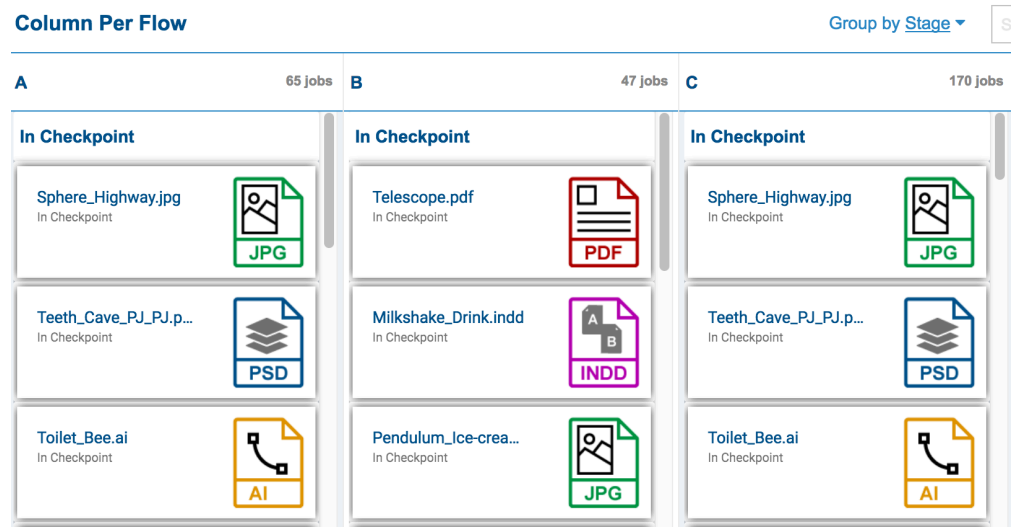
The navigation menu is a vertical list of items on a dark blue background. From top to bottom: 'Submit jobs' with an upward arrow icon; 'Check jobs' with a checkmark icon and a red badge containing the number '19'; 'Messages' with a list icon; 'Job finder' with a magnifying glass icon; 'Problem Jobs 2 flows' with a pencil icon; 'Stages all Flows' with a pencil icon and a blue highlight bar; and 'New board' with a plus icon. A large blue arrow points from the right towards the 'Stages all Flows' item.



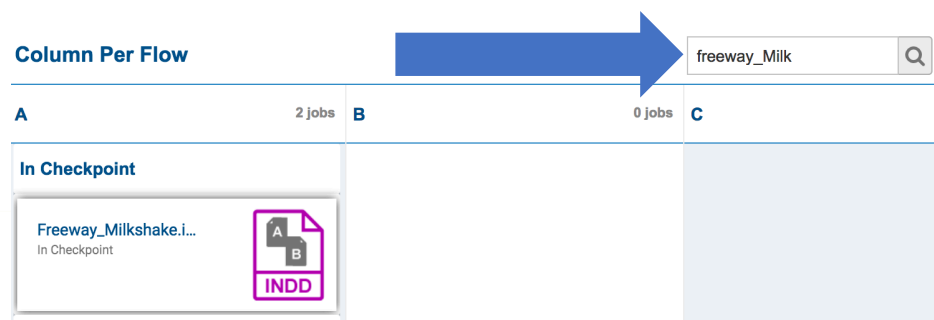
When viewing a board you can change how the jobs are grouped inside the columns by selecting an item from the dropdown list in the Web Portal header.



This will sort the jobs according to what is selected.



The search box in the header allows you to search for jobs and get instant results.





### Custom icons

If you often process file types for which Switch provides no icon, or if you don't like the icons provided by Switch, you can add a collection of your own icons.

On the system where Switch is running create a folder called "icons":

**Mac:**

















**/Users/username/Library/Application Support/Enfocus/Enfocus/SwitchSite/icons/**

Windows:

**AppData\Roaming\Enfocus\SwitchSite\icons**

The content of this folder will be loaded when Switch starts.

Currently only PNG files are supported. The file name must refer to the file extension, for example psd.png (icon for Photoshop files), txt.png (icon to be used for text files), ...

	ai.png
	css.png
	csv.png
	dbf.png
	doc.png
	dwg.png
	exe.png
	file.png
	fla.png
	html.png
	indd.png
	iso.png
	jpg.png
	js.png
	json.png
	mp3.png

Note: When you have added custom icons, it is required to restart your Switch Server.

### Webhooks

(also called a web *callback* or HTTP push API)

#### What are webhooks

Simply put, webhooks allow external applications or services to send notifications to Switch. This notification could (for example) contain the status of a job, or the location of a new job. Switch can then immediately react to this notification, for example by downloading a specific file.



This opens up a whole new world of possibilities for script writers and flow designers to integrate, expand, and simplify their solutions.

The main advantage of webhooks is that Switch does not need to make periodic calls to APIs while it's waiting for changes. Instead, APIs will call Switch informing that something interesting has happened.

#### Why should you care?

Webhooks are reshaping the Internet and the way *things* connect. As Switch is all about connecting *things* it only makes sense to add webhooks support to Switch and be part of the revolution.

Some features have a clear value for all our users. Some features are only clear for our more technical users. But even if you don't have the ambition to write scripts or configure complex connections, it's good to know that other people have access to the technology.

One of the strengths of Switch is the ecosystem, **Scripts** – written by integrators and customers, **Configurators** – written by our solution partners, **Apps** – written by everyone, and all **other Elements** – written by Enfocus. Giving all creators access to new powerful technologies translates into more and better elements for all Switch users.

Adding support for modern technologies is one way we protect your Switch investment.

#### How to use webhooks

The feature is available both as an element and in scripting (Javascript). More information can be found in the manual of switch or the scripting guide.

#### Private data

Private data already existed in Switch, but previously its usage was only available to script writers. Now everyone can add and update private data to jobs without the need of a scripting module.

#### What is private data

Private data is a collection of variables linked to a job. Adding private data to jobs in one part of your flow allows you to make decisions based on these values later.

All folders, except for outgoing folders, can now add or update private data.



Property	Value
<b>Name</b>	private data example folder
<b>Description</b>	
<b>Path</b>	Auto-managed
<b>Color</b>	Yellow
<b>Attach hierarchy info</b>	No
<b>Attach email addresses</b>	
<b>Attach email body text</b>	
<b>Attach job state</b>	
<b>Flow stage</b>	
<b>Set job priority</b>	None
<b>Set job private data</b>	None
<b>Show in statistics</b>	No

None >  
 Define multi-line text with variables



To add or update private data, strings and variables can be used to define both the name and the value.

Define multi-line text with variables: Set job private data

Enter a multi-line text with variables...

```

firstVariable=firstValue
JobCreated=[Switch.Date:Format="yyyyMMdd_HH:mm",TimeZone="UTC"]

```

Define variables

OK    Cancel

The value can now easily be used later in a flow.

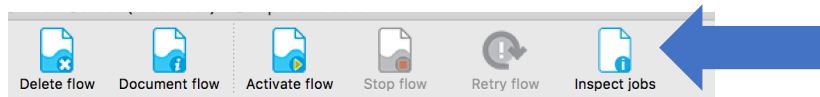
Groups	Job variables	Job.PrivateData (Text)
Connection Database Doc Email Image Iptc <b>Job</b> Metadata Office Photo Stats Switch	FailMessage FailModule FailTime FileCount FileCreationDate Hierarchy IsFile IsFolder JobState Name NameProper NestedName Origin Path Priority <b>PrivateData</b> Size UniqueNamePrefix UserEmail UserFullName	<div style="border: 1px solid gray; padding: 5px;"> <p>Returns the value of the private data with the specified key, or this</p> <p>Key: <input type="text" value="first"/></p> <p>Space: <input type="text" value="----"/></p> <p>Case: <input type="text" value="----"/></p> <p>After: <input type="text"/></p> <p>Before: <input type="text"/></p> <p>Segment: <input type="text"/></p> <p>Search: <input type="text"/></p> </div>



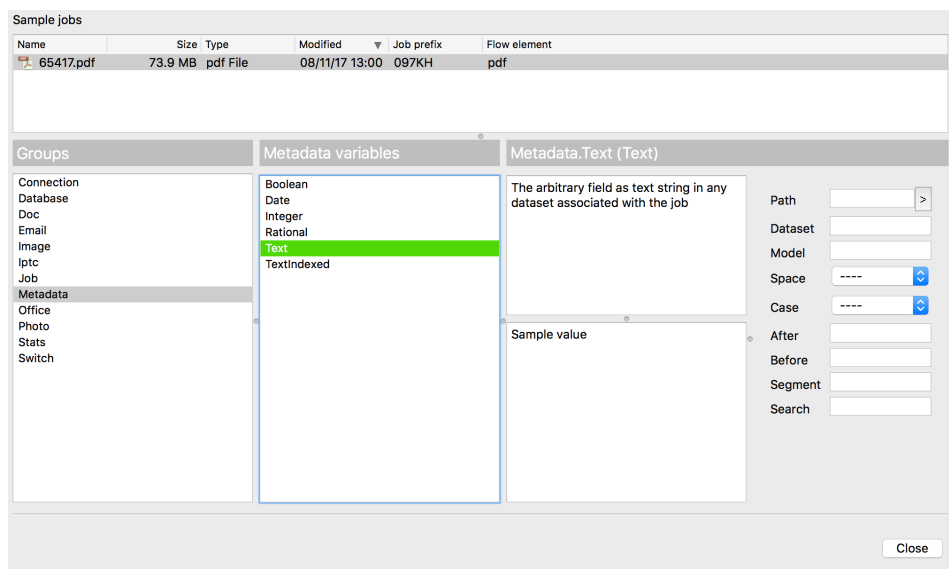
## Improvements

### One-click access to job variables and metadata

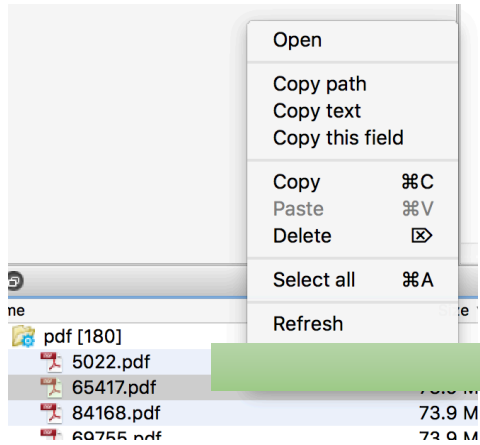
The header menu of the Switch Designer now includes an “Inspect job” button.



This button opens a dialog similar to the “inline text with variables” dialog (but read-only) with access to all jobs currently in the flow (to be used as sample jobs).



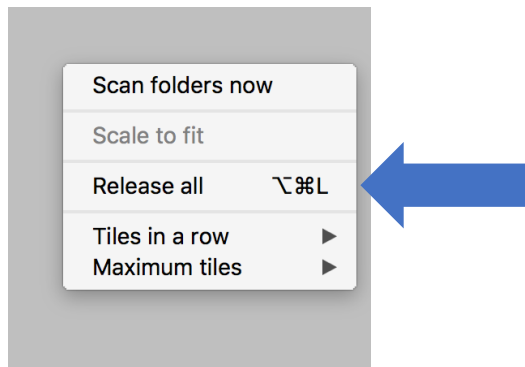
The same dialog is accessible through the Jobs pane, by right-clicking on a job or folder.



Note: Opening the Inject job dialog this way **only gives** access to the selected jobs.

### One-click to release all connections

Right-clicking anywhere in a flow, running or not, gives you access to the “release all” action, releasing all connections currently on hold in this flow.



Note : This action can only be undone if the flow is not running.

### Job Client

#### One-click editing in native application

In previous versions, replacing a job in a Checkpoint was not straightforward: a user needed to download the file locally, open it, make the required edits, save the file and finally upload the edited job to the Web Portal. In Switch 2018, this is a lot easier: jobs can be opened in their native application with one-click, without having to leave the Web Portal.

To make this possible, a small helper application needs to be installed on the system of the user: the Switch helper. This is a small lightweight service that is needed to detect and open the correct applications.





The Switch helper ("Switch\_helper.exe" for Windows and "Switch\_helper.app" for Mac) can be downloaded from the Enfocus website.

A screenshot of a software interface. At the top, it says "Edit in InDesign CC" in white text on a dark blue background. Below this are four icons: an eye, a green square, two overlapping document pages, and a padlock. A horizontal line separates this from the main content area, which has a dark blue background and white text. It displays "Job name" followed by "Typewriter\_Cappuccino.indd" and "Status" followed by "Alert".

#### One click search

The Check jobs view has a new search box with instant results in the top right corner of the Web Portal.

A search bar interface. On the left, the text "Create filter" is displayed in a light gray font. To its right is a green rectangular input field. A horizontal line is positioned below the input field.

A screenshot of a job card. The title "Girl\_Robot\_Restaurant\_..." is at the top in white text on a blue background. Below the title is a landscape photograph of a mountain range. To the right of the photo, the word "Alert" is written in orange. At the bottom right of the card is a blue button with the word "Process" in white text.



#### Multi-select and process jobs

Jobs in the same Checkpoint can now be selected and processed in one go.

First you have to select the jobs that belong together:

- Either by using the checkbox:





<p><b>Girl_Robot_Restaurant_...</b></p>  <p>Alert</p> <p><b>Initiated</b> 2018-02-20 20:28:09</p> <p><b>Type</b> jpg</p> <p><b>Size</b> 347.2 KB</p> <p><b>Flow</b> Dummy production B</p> <p><b>Submitted</b></p> <p><b>Updated</b> 2018-02-20 20:28:24</p>	<p><b>Bathroom_Robot__2347...</b></p>  <p>Alert</p> <p><b>Initiated</b> 2018-02-20 20:27:44</p> <p><b>Type</b> txt</p> <p><b>Size</b> 11 Bytes</p> <p><b>Flow</b> Dummy production B</p> <p><b>Submitted</b></p> <p><b>Updated</b> 2018-02-20 20:27:59</p>
---	---

Job name

- Girl\_Robot\_Restaurant\_\_23480.jpg
- Bathroom\_Robot\_\_23470.txt

- Or via the contextual menu when right-clicking a job:

<p><b>Butterfly.psd</b></p>  <p>Alert</p> <p>Process</p> <p><b>Initiated</b> 2018-03-13 17:14:11</p> <p><b>Type</b> psd</p> <p><b>Size</b> 1.6 MB</p> <p><b>Flow</b> Dummy production B</p> <p><b>Submitted</b></p> <p><b>Updated</b> 2018-03-13 17:14:26</p>	<p><b>Data_Base_Bee.psd</b></p>  <p>Alert</p> <p>Process</p> <p><b>Initiated</b> 2018-03-13 17:12:58</p> <p><b>Flow</b> Dummy production A</p> <p><b>Submitted</b></p> <p><b>Updated</b> 2018-03-13 17:13:15</p>
--	--



Next, you should click “Process multiple” in the small dialog that appears in the bottom right corner of the Portal.



## Status of deprecated and legacy technologies

From time to time it is needed to replace or update certain technologies in software. And as Switch is built on many different technologies, it sometimes comes to a point where we can no longer support certain technologies. When this happens we do provide a better solution and plenty of time to help our users to plan moving away from these technologies.

The following list gives you an overview of technologies that were deprecated in previous releases, including their status.

Please take the time to verify if this will influence your installation.

### Compress and Uncompress tools (since Switch 13)

Although still available in Switch, we no longer do bug fixes or offer support for these elements.

*How do I know if the Compress or Uncompress tools are used in my Switch flows?*

Search for “compress” and “uncompressed” in the Module column of the Switch server messages.

Type	Module	Flow	Message
info			Job '_095J2_flyer.ps
info			File or folder was ur
info			Job '_095J1_flyer.ps
info			Job was compresse

compress x    uncompress x

Contains any:

- compress x
- uncompress x
- + (empty input)

✓



If one of the elements is used in a flow, a message is logged each time a job is processed. The Flow column will tell you exactly in which flow the element is used.

#### *Why and when will both elements be removed?*

Both elements are based on outdated technologies and could not be updated with modern features. Instead, new elements were added (Archive and Unarchive) using more modern technologies.

Although unlikely, there is a chance with each operating system update that the elements will stop working. We advise everyone to use the Archive and Unarchive tools instead. We do verify the functionality with all Operating System releases, and will only remove the elements from Switch when the quality can no longer be ensured.

#### *What to do in case one of the elements is used in my Switch flows*

Start planning to gradually replace the use of these.

### **Applescript: (since Switch 2017)**

(Only relevant if Switch is running on Mac OS).

The release of Switch 2017 made the use of Applescript deprecated. This means that Switch will still run, and execute, the scripts but the option to write new Applescripts is no longer available.

With the release of Switch 2018, Switch will still run, and execute, Applescripts but you should be aware that a future Mac OS release can break this functionality.

Note: External Applescripts, executed by the Mac Os Automator tool are not influenced by this.

#### *Why and when will Applescript Support be removed*

In the previous releases we updated large parts of the Switch architecture, one reason was to make better use of modern hardware. You might have noticed that since Switch 2017, Switch runs as a 64bit application.

The only processes still running in 32bit modus are the ones executing Applescript. The decision not to move these processes to the new 64bit architecture was made as the future of Switch will be built on the more powerful Javascript environment. Not maintaining both environments gives us a better and stronger focus on the future of our Javascript environment.

Switch will continue to run Applescript – however some of it depends on your Mac OS version.

**Apple makes it clear that the next release, expected before the end of 2018, will no longer support 32bit processes.**

#### *How do I know if Applescripts are used in my Switch flows?*

If you are running Switch on Mac only: Each time Switch executes an Applescript, it logs 2 messages:

**Warning:**

**Warning when loading script package 'script.sscript': AppleScript is deprecated as of Switch 2017. Please use JavaScript instead.**



**Info:**

**Instructions on how to convert Switch scripts from AppleScript into JavaScript can be found in the corresponding article on the Enfocus website:**

Search for one of these messages in the messages view to see if your installation makes use of Applescript.

Type	Message
info	Instructions on how to convert Switch scripts from AppleScript into JavaScript can be found in the corresponding article on the Enfocus website: <a href="http://www.enfocus.com/scripts/enfocus_brain.htm?param=78da4d904b0e82401044df05b883910ba80bc5ad9f10de9a88be9c9bcaaae4cf7fb153263c98a351b16aa73b604f43993abf6748644aa9e2afa7343e3052911a89d91b3b75590f796bd346a6244acfa51e95da52e8edbe9e1be422c3547adfec6f84599254ff538e5fb0912399b6e9280507bf03bf86de103165">http://www.enfocus.com/scripts/enfocus_brain.htm?param=78da4d904b0e82401044df05b883910ba80bc5ad9f10de9a88be9c9bcaaae4cf7fb153263c98a351b16aa73b604f43993abf6748644aa9e2afa7343e3052911a89d91b3b75590f796bd346a6244acfa51e95da52e8edbe9e1be422c3547adfec6f84599254ff538e5fb0912399b6e9280507bf03bf86de103165</a>
warning	Warning when loading script package 'apple.sscript': AppleScript is deprecated as of Switch 2017. Please use JavaScript instead.

**What to do in case Applescript is used in your Switch flows**

Start planning on updating, or replacing the scripts. Good to know is that a complete rewrite of the script is not needed.

If you did not write the scripts yourself, contact the vendor and ask them about their planned update of the script or, if needed, contact Enfocus Support for assistance.

If you wrote the script yourself, start by reading the support article “How to rewrite Switch scripts from AppleScript to JavaScript” on our website:

<https://www.enfocus.com/en/support/known-issues-and-solutions#!/SupportPortalSolution?id=5015700000jwMnAAI>

**SwitchClient Desktop application (legacy application since Switch 2017)**

With Switch 2017 we started adding Job Client features to the Switch Web Portal. The SwitchClient desktop application will still be supported until at least Switch 2019.

More information will be made available with every Switch release.

**What to do in case the SwitchClient is used in your Switch flows?**

First, make sure that the new Switch Web Portal supports all use cases. If you need more information, contact the Switch Product Manager: [toonv@enfocus.com](mailto:toonv@enfocus.com).

**Persistent execution mode of Scripts (since Switch 2018)**

For historical reasons Switch supported 3 ways of executing scripts (Execution modes): Persistent, Serialized, and Concurrent.

There are 2 reasons why we made the decision to drop support for the persistent execution mode:



- Surveys and other usage data showed that less than 0.3% of the scripts use this mode.
- The use cases for persistent execution are also covered by the serialized execution mode.

Although our data shows that it hardly ever gets used there is a small chance that it's used in one of your flows.

To detect if this is the case you can search for the following message in your Switch messages:

The screenshot shows a search interface with a filter 'persistent' applied. The search results are as follows:

Type	Message
warning	Warning when loading script package '/Users/tvro/Desktop/a persistent execution mode that is deprecated as of Switch 20 execution mode instead. The persistent script data can be st
warning	Warning when loading flow element 'Dummy Job Clock': the execution mode that is deprecated as of Switch 2018.
warning	Warning when loading flow element 'Dummy Job Clock': the execution mode that is deprecated as of Switch 2018.
warning	Warning when loading flow element 'Dummy Job Clock': the

#### *What to do in case the persistent execution mode is used in my Switch flows*

Converting the script to use the Serialized execution mode is a straightforward process and requires only a small change in the script.

For help and assistance in converting the script, please contact Enfocus Support, or the vendor of the script.

For more information regarding the Switch 2018 release, feel free to contact me.

[Toonv@enfocuss.com](mailto:Toonv@enfocuss.com)

Thanks,

Toon Van Rossum

Product Manager