

Switch 2019 Fall release

What's new in the Switch 2019 Fall release

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1. Introduction

This document gives an overview of all new features included in the Switch 2019 Fall release.

Release notes of previous Switch versions are available here:

<https://www.enfocus.com/en/support/release-notes/switch-release-notes>

If you are upgrading from an older Switch version, please take your time to go over the release notes of all intermediate releases.

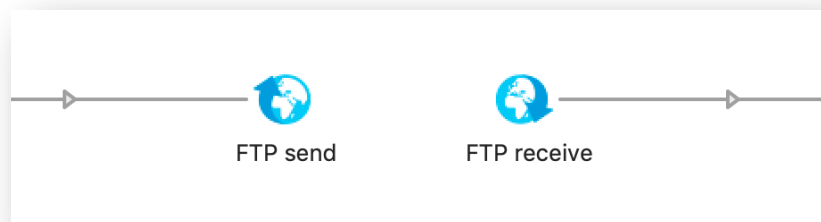
2. System requirements

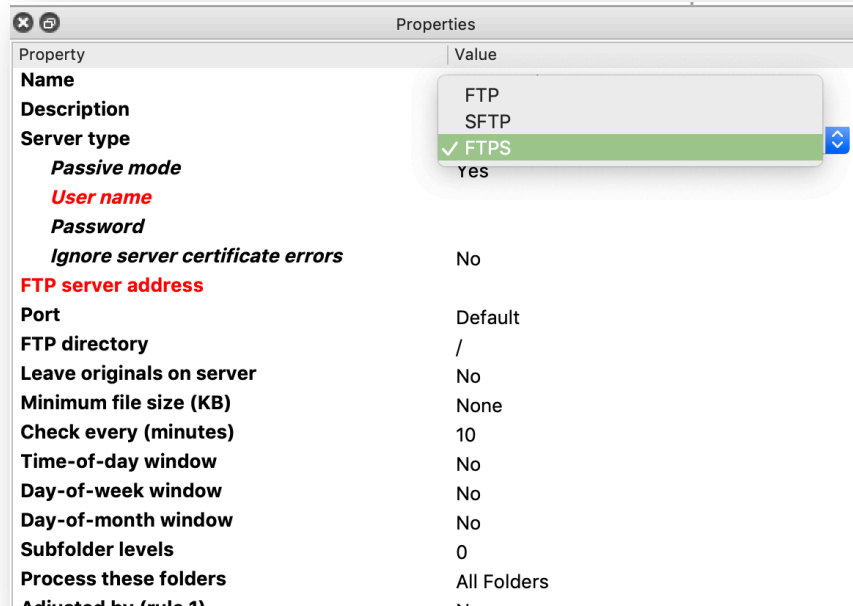
The Switch 2019 Fall release adds support for MacOS 10.15 (Catalina) and Windows Server 2019.

3. Designer and flow element improvements

3.1. Secure FTP: support for FTPS

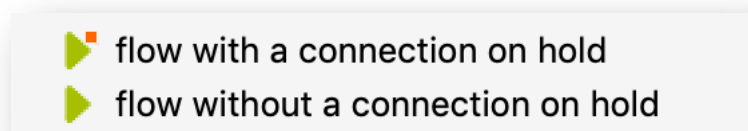
Both the FTP send and the FTP receive element support FTPS. To make use of this feature, select FTPS as server type in the respective elements.





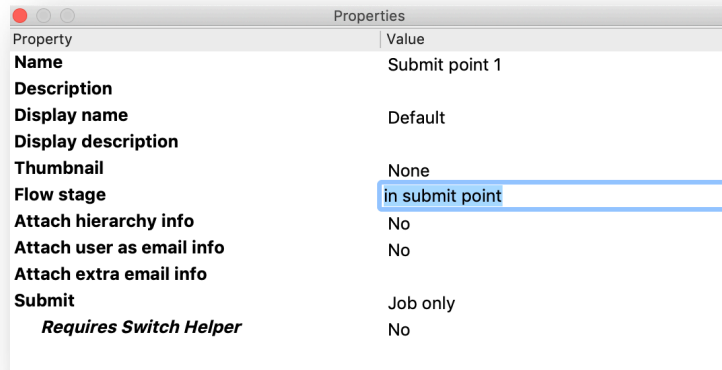
3.2. Visual indicator in the flows pane when a connection is set on hold

In the Flows pane the icon representing a running flow now also will indicate if the flow has one or more connections on hold.



3.3. Define stage on Submit points, Checkpoints, and Submit hierarchy elements

The 'Flow stage' property is added to Submit points, Checkpoints, and the Submit Hierarchy element. As soon as jobs are received by one of these elements they will be shown on job boards and dashboards in the defined stage.

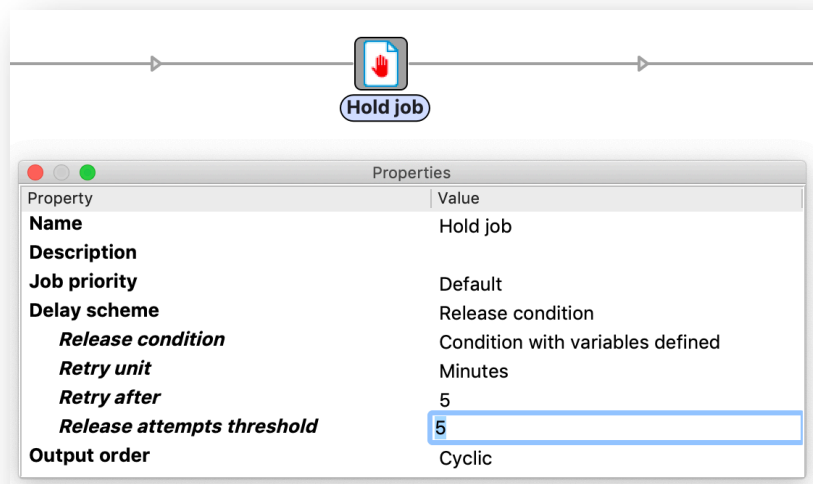


Property	Value
Name	Submit point 1
Description	
Display name	Default
Display description	
Thumbnail	None
Flow stage	in submit point
Attach hierarchy info	No
Attach user as email info	No
Attach extra email info	
Submit	Job only
<i>Requires Switch Helper</i>	No

3.4. Hold job Release Condition Retry threshold

The Hold job element now has a new property to define the number of times a Release condition should be validated.

If the condition is not valid after the threshold is reached the job is send to the problem jobs.

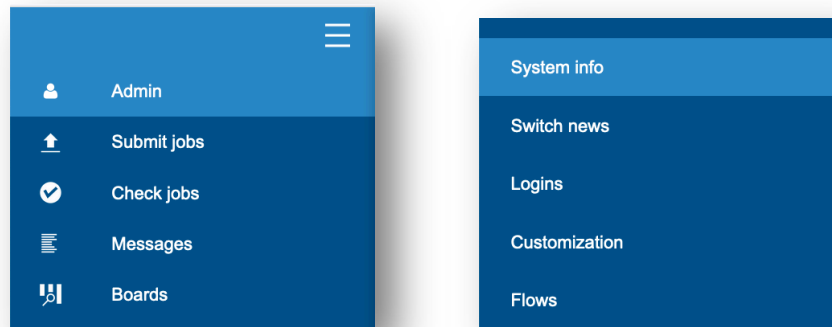


Property	Value
Name	Hold job
Description	
Job priority	Default
Delay scheme	Release condition
<i>Release condition</i>	Condition with variables defined
<i>Retry unit</i>	Minutes
<i>Retry after</i>	5
<i>Release attempts threshold</i>	5
Output order	Cyclic

4. Additions and improvements in the Web Portal

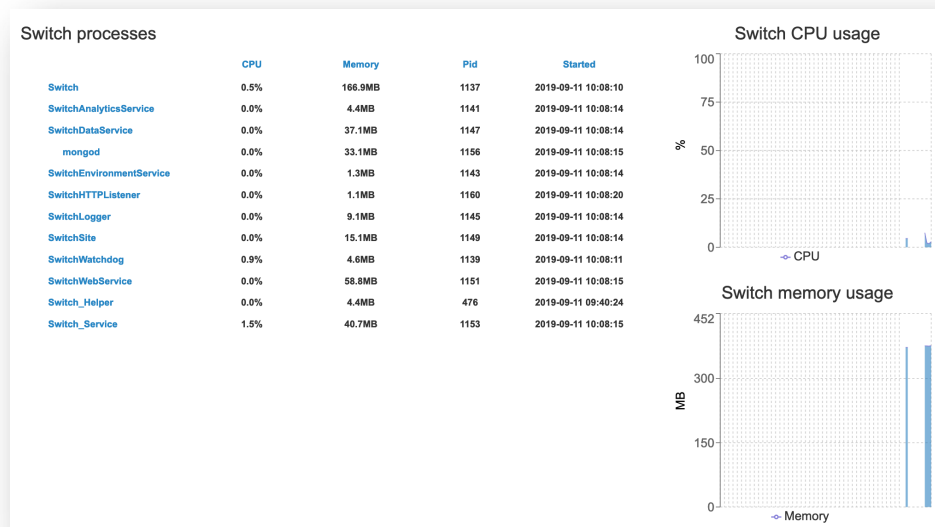
4.1. Admin features

All members of the Administrator group in Switch have access to Admin features in the Web Portal.



4.1.1. System info

The System info tab in the Admin view allows admins to monitor Switch processes running on the server, including total CPU and memory used by Switch.



4.1.2. History and overview of logged in users

This page lists the currently logged in users and gives an overview of recent sessions.


Active users					
User name	Full name	Email	IP	Start time ↓	Finish time
Toon			127.0.0.1	11/09/2019 14:55:19	-

History					
User name	Full name ↓	Email	IP	Start time	Finish time
Administrator	The one with all the power	toonv@enfocuss.com	127.0.0.1	08/08/2019 12:42:12	12/08/2019 11:31:20
Administrator	The one with all the power	toonv@enfocuss.com	127.0.0.1	12/08/2019 11:31:23	12/08/2019 13:10:34
Administrator	The one with all the power	toonv@enfocuss.com	127.0.0.1	12/08/2019 13:10:36	12/08/2019 14:50:36

4.1.3. News feed for administrators

To inform Switch administrators of the latest Switch developments and Switch related news, a news feed is added to the Web Portal.


Switch news

 12 Jun 2019

Update your email preferences

Do you want to receive updates about Switch? Make sure to correctly set you email preferences here.

[> Read more](#)

 19 Feb 2019

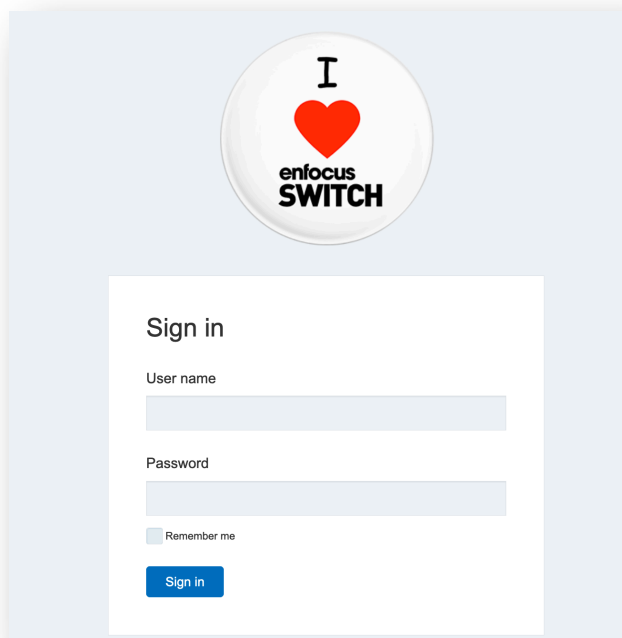
Register for the Switch public pre-release

We're going to start a public pre-release for Switch!

[> Read more](#)

4.1.4. Customize the login page

Admins can upload a custom logo to be shown on the login page of the Web Portal.



4.1.5. Start and stop flows

Admins can now start and stop flows without the need of Remote Designer or logging in on the Switch Server.

This view displays flows and flow groups, including the description of flows if provided.

<p>PitStop2Switch sample 1 (1)</p> <p>This flow simply takes an input file and creates a preflighted file and a report file in different folders depending on the exit status of the preflight.</p> <p><input type="button" value="Stop"/> Running</p>
<p>PitStop2Switch sample 2 (1)</p> <p>This flow takes input from an FTP site and a mail server. The incoming file is renamed to attach the current date as a prefix. The preflighted file is routed depending on the exit state (OK/Warning in one direction, Error in the other). The report file is only created when there was an error and it is mailed to the person who sent the file.</p> <p><input type="button" value="Stop"/> Running</p>
<p>PitStop2Switch sample 3</p> <p>This flow is a variation of sample flow 2. It adds the splitting of a multipage PDF into single pages.</p> <p><input type="button" value="Start"/> Stopped</p>
<p>PitStop2Switch sample 4</p> <p>This flow shows how to put the preflighted files and the reports into an output folder structure. The files that are OK are put in a folder with today's date. The files that generated an error, along with its report, ends up in a folder "Error" with a subfolder having today's date.</p> <p><input type="button" value="Start"/> Stopped</p>

4.2. Accessing job private data and job metadata on job boards

The Job info screen on job boards now displays all private data of any live job, including all other attached metadata for jobs currently in alert state (jobs residing in a Checkpoint).

This includes all types of datasets (xml, jdf, opaque, ...).

notembedded.pdf

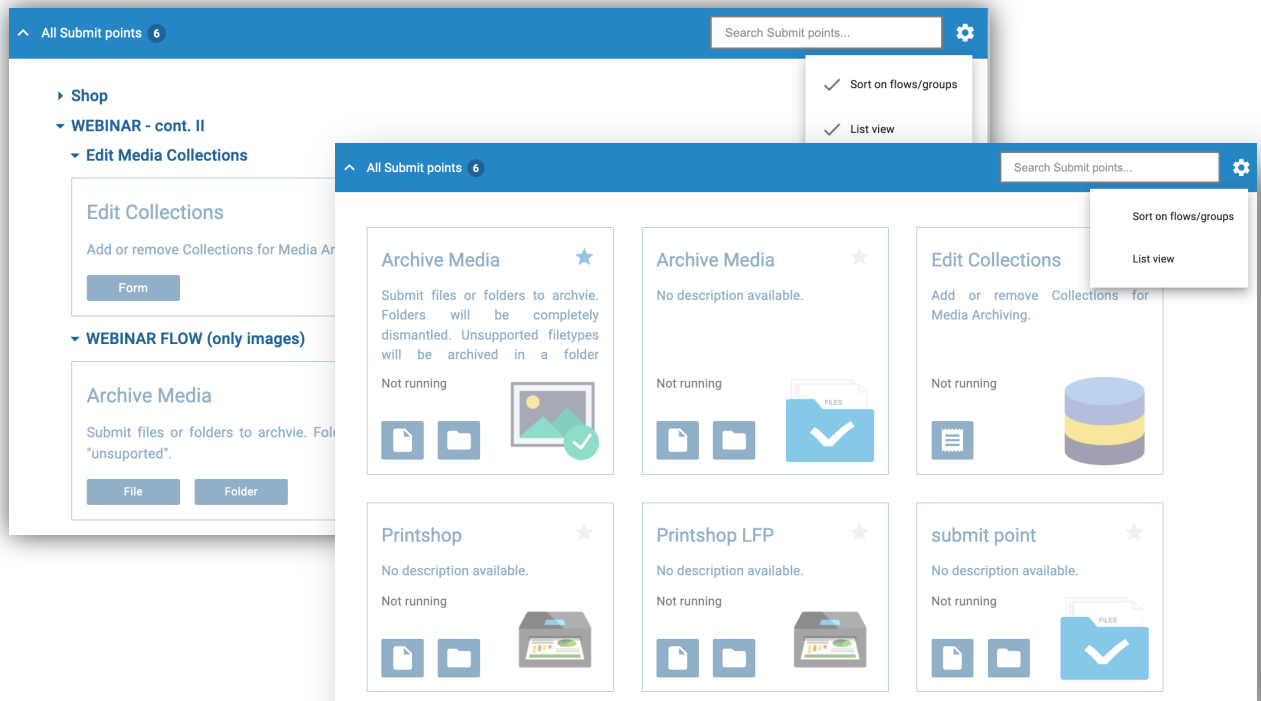
<p>Metadata</p> <ul style="list-style-type: none"> com.enfocuss.PitStopServer.cli-c... com.enfocuss.PitStopServer.cli-t... Submit PitStopServerLog Opaque <p>Private data</p> <p>added the private this in flow data is</p>	<p>Messages:</p> <p>2019-11-20 11:22:15 info private data and metadata in web portal create opaque dataset Moved job to folder 'original'</p> <p>2019-11-20 11:22:15 info private data and metadata in web portal original Moved job to folder 'original and opaque'</p> <p>2019-11-20 11:22:15 info private data and metadata in web portal Folder 4 Moved job to folder 'Folder 10'</p> <p>2019-11-20 11:22:17 info private data and metadata in web portal Folder 10 Moved job to folder 'Checkpoint 1'</p>
--	---

Close

4.3. New design and favorites for Submit points

The Submit point view is completely redesigned based on the feedback of our users. This includes a list view and card view and the option to sort Submit points alphabetically or on flow/flow groups.

Additionally, Submit points show the status of the flow, which can be running, scheduled, or inactive.

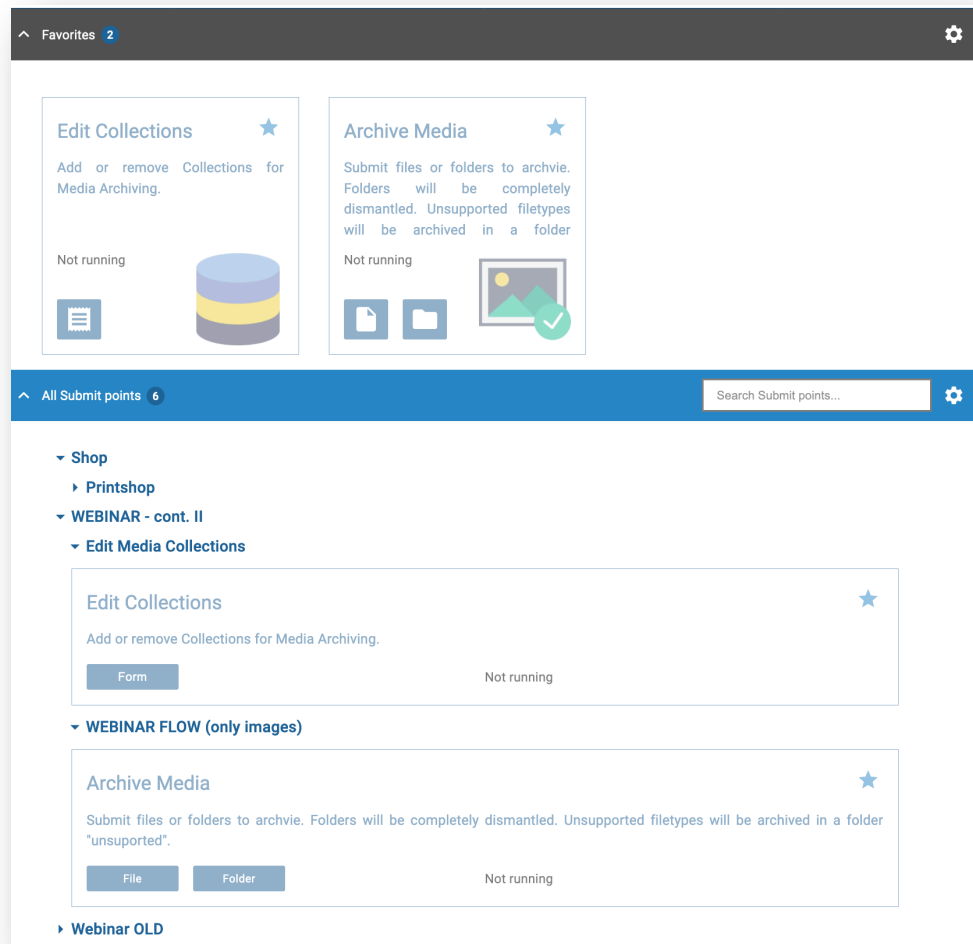


A description of the Submit point can be entered in the new “Display description” property.

Name	Archive Media
Description	
Display name	Default
Display description	pported filetypes will be archived in a folder "unsuported".
Thumbnail	/Users/tvro/Desktop/submitPointImage.png
Attach hierarchy info	No
Attach user as email info	No
Attach extra email info	
Submit	Job and metadata
Metadata fields	Metadata fields defined
Dataset name	Submit
Invalidate user metadata cache on login	Yes
Invalidate metadata cache condition	None

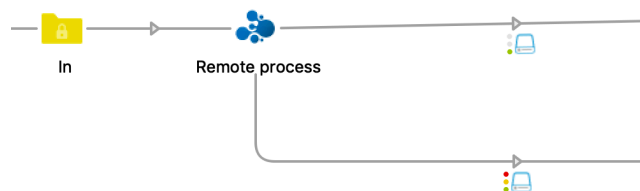
4.3.1. Submit point favorites

Included in the redesign is a Favorites Collection.



5. Remote process flow element additions

The Remote process flow element was introduced with the 2019 Spring release and its feature set is extended with additional API calls and an additional notification.



5.1. jobAborted notification for the remote processor application

When the flow including the Remote process element is stopped, the element now sends a jobAborted notification.

5.2. Get and Set Private data

It's now possible to get the Private data that is linked to a Job ID, or to add new Private data keys to a Job using the SetPrivateData request.

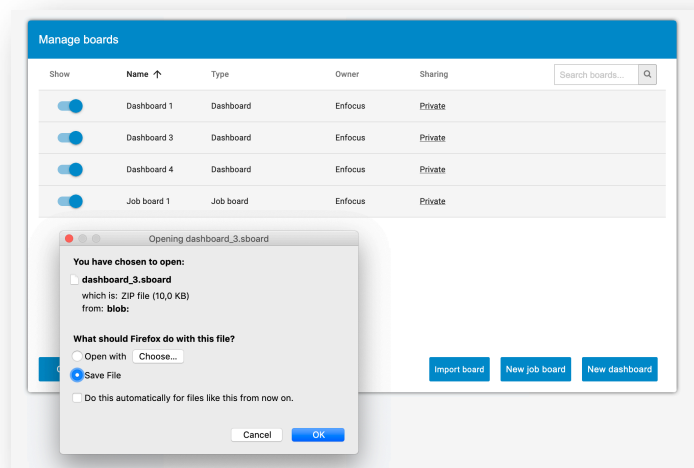
5.3. List and download metadata

You can retrieve a list of all datasets linked to a job. Based on this list a specific dataset can be downloaded to the remote process.

6. Dashboard improvements

6.1. Exporting and importing dashboards and job boards

Dashboards can now be exported and imported. When exporting a dashboard the required job boards are exported as well.



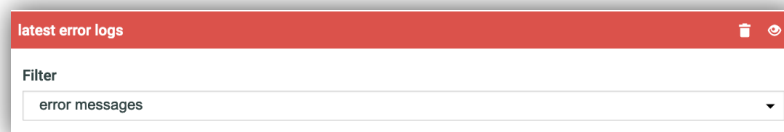
6.2. Attach a table view to counter widgets



Previously this was only possible for live charts, now it's also available for Live counter widgets.

6.3. Show server messages on a dashboard

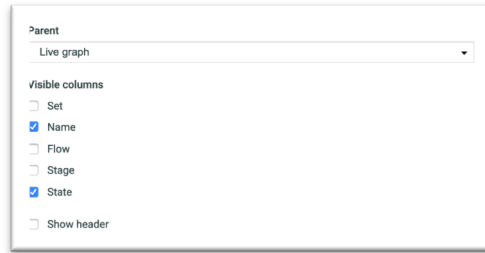
A new widget to show server messages in the dashboard is added, supporting filters created in the Messages view.



latest error logs				
11/09/2019 15:03:41	WEBINAR FLOW (only i...	Family_Ice.pdf	job with dummy dataset	Job '_0CBMX_Family_Ice.pdf' was moved from folder '/Users/tvro/Library/A...
11/09/2019 15:03:41	WEBINAR FLOW (only i...		Random Job Creator	

6.4. Select columns and disable headers for all table widgets

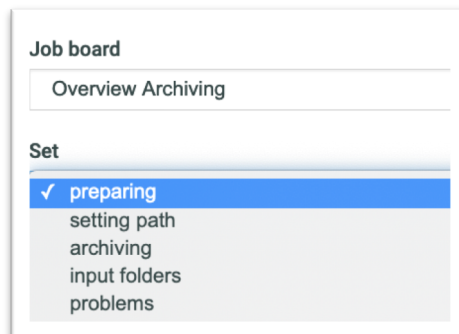
Both the new Messages widget and the Live table widget allow selecting columns and disabling the header. This way you can make the widget more compact if needed.



Set	Name	Flow	Stage	State	
filter column...	filter column...	filter column...	filter column...	filter column...	Built.jpg
preparing	Built.jpg	Archive Images M...	preparing		Baby_Square.jpg
preparing	Baby_Square.jpg	Archive Images M...	preparing		Thermometer_Sandwich_Cycle.xml
preparing	Thermometer_Sa...	Archive Images M...	preparing	September Works...	Thermometer_Sandwich_Cycle.jpg
preparing	Thermometer_Sa...	Archive Images M...	preparing	September Works...	Cycle_Robot_Hose.xml
preparing	Cycle_Robot_Hos...	Archive Images M...	preparing	September Works...	Vulture_Necklace.jpg
preparing	Vulture_Necklace...	Archive Images M...	preparing	September Works...	Cycle_Robot_Hose.jpg
preparing	Cycle_Robot_Hos...	Archive Images M...	preparing	September Works...	Vulture_Necklace.xml
preparing	Vulture_Necklace...	Archive Images M...	preparing	September Works...	Backpack_Horoscope_Box.xml
preparing	Backpack_Horosc...	Archive Images M...	preparing	September Works...	Built.xml
preparing	Built.xml	Archive Images M...	preparing	September Works...	Backpack_Horoscope_Box.jpg
preparing	Backpack_Horosc...	Archive Images M...	preparing	September Works...	Built.jpg
preparing	Built.jpg	Archive Images M...	preparing	September Works...	Backpack_Horoscope_Box.jpg
preparing	Backpack_Horosc...	Archive Images M...	preparing	September Works...	Backpack_Horoscope_Box.xml
preparing	Built.jpg	Archive Images M...	preparing	September Works...	Backpack_Horoscope_Box.xml
preparing	Backpack_Horosc...	Archive Images M...	preparing	September Works...	Liquid_Family_Hiking.jpg

6.5. History graphs compatible with all job boards

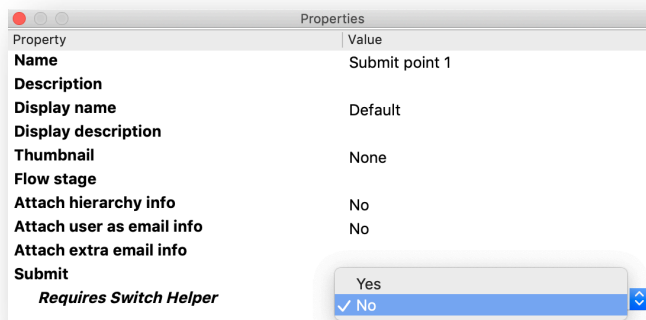
The History graph widgets only supported job boards that contained a single column. The 2019 Fall release adds support for job boards with multiple columns, allowing you to select the column of which you want to display the history.



7. Keeping job origin and modification date for Submit points.

When the latest version of the Switch Helper application is installed on the system of the client user, the original job origin path and the file creation date is kept.

If this data is important, a Submit point can be configured to only work when the Switch Helper is installed.



8. APIS

Most features that were added to the Web Portal are also available as an API.

Including:

- Get all datasets for jobs in Checkpoints
- Get private data for any job
- Get flow status
- Start and stop a flow
- Get logged in users

9. Speed and processing improvements

The Switch 2019 Fall release contains various improvements. Depending on how Switch is used this results in a noticeable increase in processing speed.

10. Bugfixes

<i>Issue key</i>	<i>Summary</i>
ENFS-23676	Hold Job Cyclic output with constraint to folder issue
ENFS-23322	Script expression on Submit hierarchy
ENFS-23301	Element after Problem jobs causes problems.
ENFS-23358	MergeTool error Outcode 108
ENFS-23234	Mail Attachments not being downloaded.
ENFS-23916	Split PDF removes some XML data
ENFS-22875	FTP send much slower when directory has many files in it
ENFS-22854	Remote Process API documentation update
ENFS-22835	Show messages in Designer not authorized
ENFS-22826	Obsolete datasets remain on disk after IJT files are cleaned up
ENFS-22738	"Cannot get the list of jobs" for processing dialog with empty metadata
ENFS-22686	SwitchScripter: Cannot Save Scripts
ENFS-22565	"Remember Last Value" in Submit Point job ticket doesn't always work
ENFS-22939	Split PDF file size issue
ENFS-17511	HTTP Request download not working for redirect
ENFS-15718	Mail attachment gets the wrong name when downloaded by Switch