

# Switch 2019 Spring

## What's New

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## 1. Introduction

This document brings an overview of all new features part of the Switch 2019 Spring release.

The 2019 Spring release also introduces a new Switch release cycle, still promising at least 2 releases each year but a more predictable release cycle. Starting with the Switch 2019 Spring release.

The new release cycle also introduces a Pre-release program for maintenance customers. More information can be found here :  
<https://www.enfocus.com/en/blog/switch-pre-release-community-program>

## 2. Before installation

### 2.1.1.1. Backup tool

As Switch is an extremely important part of your production, we added an easy tool to make a backup of all your Switch data. During installation the backup tool will pop-up for a first time asking if you want to make a backup before continuing.

### 2.1.1.2. Switch settings lost after updating when Switch is running as a service

Previously Switch stored its settings based on the Switch major version, as a result these settings were lost if Switch was running as a service.

Although you might still run into this problem when upgrading to the Switch 2019 Spring release, it will no longer happen for any release following this release as long as it will be an upgrade from the Switch 2019 Spring release or newer.

### 2.2. Deprecated technologies

#### 2.2.1. Client module

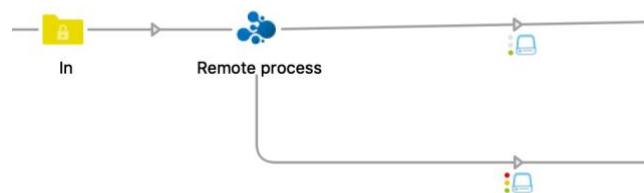
The Switch Desktop Client application is no longer supported with the Switch 2019 Spring release.

To plan your move to the Browser based Client, please check the chapter at the end of the document

### 3. Remote Processing Element

As part of the Scripting module a completely new way to build custom processes is introduced with this release.

Build any service that can receive notifications sent by the Remote process element and download jobs directly from Switch as soon as they arrive at the element. After processing the file, upload it back to Switch for further processing.



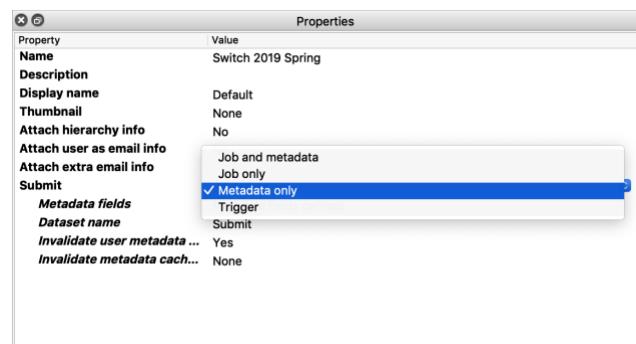
The communication between your custom remote service and Switch is done through a REST API. The documentation of the API contains a sample http service to start experimenting with the new element.

#### 3.1. Element and scripting

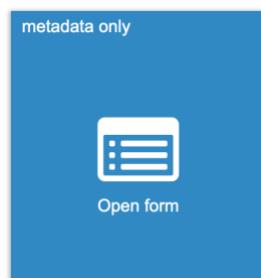
The feature is available as a new element, and as part of our scripting API. For more information see the available Switch or Switch scripting documentation.

### 4. New Submit Point features

Two new ways of submitting jobs into Switch are introduced with this release.



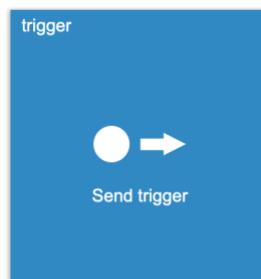
#### 4.1. Only submit metadata



If you only need data to create a job and are not depending on a specific file, a job can be created by entering metadata only.

In the background a dummy job is created with the metadata available as a Switch metadata dataset.

#### 4.2. Use Submit Points to Send triggers



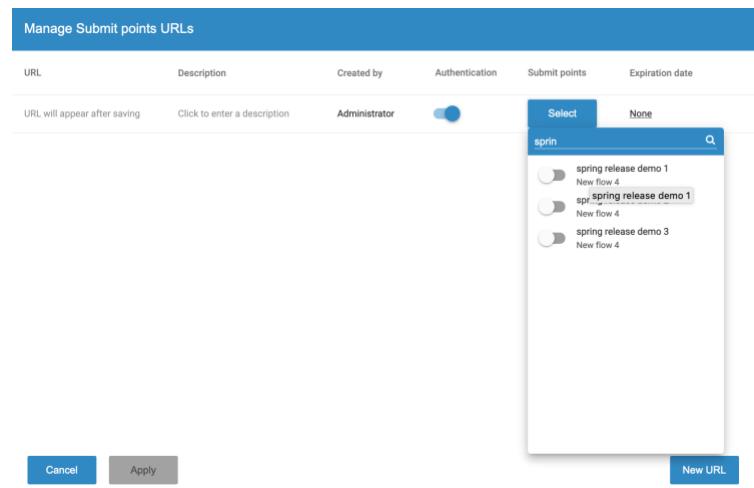
If you don't need a file or data or to trigger a process in a Switch flow, you can now also send triggers from submit points. This requires no job or metadata to be submitted and will result in a dummy file submitted into the flow.

### 5. Manage and share Submit Points URL's

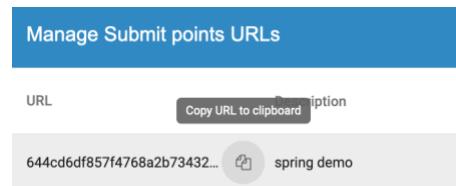
The Switch 2019 Spring release adds direct URLs for a Submit Point, or a collection of Submit Points. These URL's will show the selected Submit Points in a simplified Interface.

## 5.1. Create direct links to Submit Points

The Manage Submit Points dialog is available for all users in the Administrator group. It allows creating new URL's and setting an expiration date if needed.



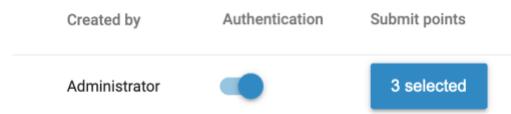
For each URL one or more Submit Point needs to be selected before the URL can be copied.



## 5.2. Create public Submit Points by disabling Authentication

If a Webservices Module is licensed the Manage Submit Points dialog allows disabling and enabling authentication for each generated URL.

Disabling authentication will remove the need to login to submit jobs when accessing the Submit Point.

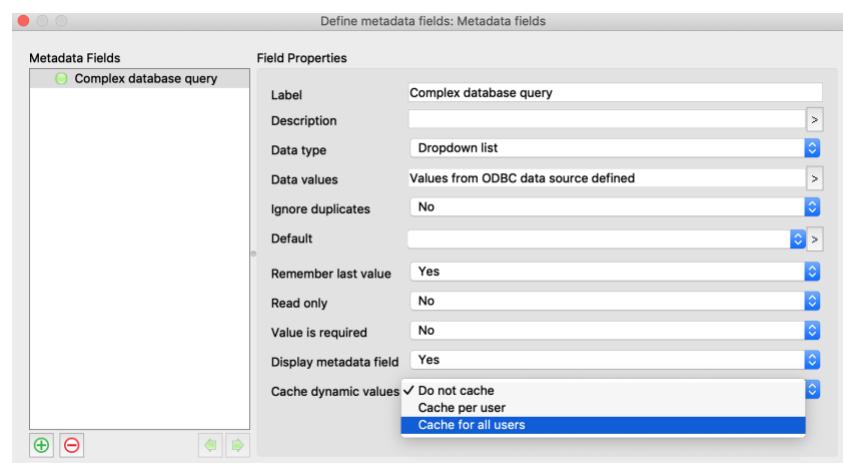


## 6. Caching of dynamic values in metadata forms

If a submit point or checkpoint contains metadata that depends on complex queries it may result in long delays when submitting or routing a job.

If the data does not always need to be re-calculated for each job you can now enable caching if needed.

Note: This was the default behavior for the legacy Desktop client application.



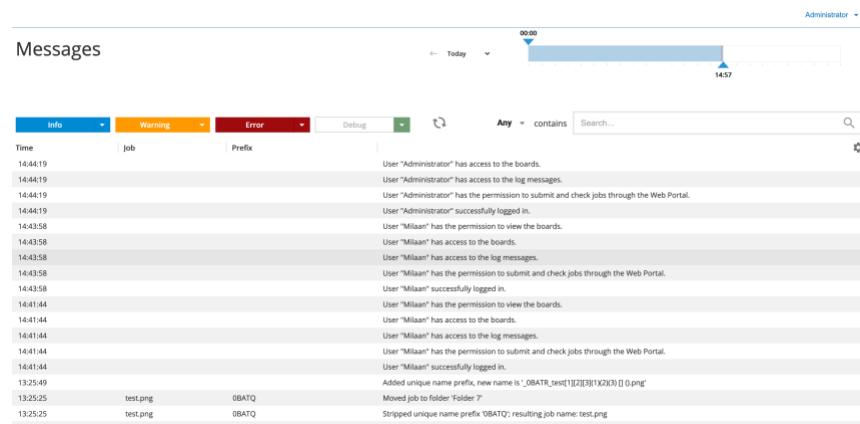
This includes configuring when the cache should be invalidated, and the data needs to be refreshed.

Property	Value
Name	Switch 2019 Spring
Description	
Display name	Default
Thumbnail	None
Attach hierarchy info	No
Attach user as email info	No
Attach extra email info	
Submit	Metadata only
Metadata fields	Metadata fields defined
Dataset name	Submit
Invalidate user metadata cache on login	✓ Yes
Invalidate metadata cache condition	No

## 7. Messages Redesign

Based on feedback from Switch Users, the messages view is completely redesigned.

## 7.1. A quick introduction to the new design



The screenshot shows the 'Messages' interface with a list of log entries and a timeline filter at the top. The timeline shows a blue bar from 00:00 to 14:57. The log entries list various system and user actions, such as logins, permissions, and file operations.

Time	Job	Prefix	Message
14:44:19			User "Administrator" has access to the boards.
14:44:19			User "Administrator" has access to the log messages.
14:44:19			User "Administrator" has the permission to submit and check jobs through the Web Portal.
14:44:19			User "Administrator" successfully logged in.
14:43:58			User "Milaan" has the permission to view the boards.
14:43:58			User "Milaan" has access to the boards.
14:43:58			User "Milaan" has access to the log messages.
14:43:58			User "Milaan" has the permission to submit and check jobs through the Web Portal.
14:41:44			User "Milaan" successfully logged in.
14:41:44			User "Milaan" has the permission to view the boards.
14:41:44			User "Milaan" has access to the boards.
14:41:44			User "Milaan" has access to the log messages.
14:41:44			User "Milaan" has the permission to submit and check jobs through the Web Portal.
13:25:49			User "Milaan" successfully logged in.
13:25:25	test.png	OBATQ	Added unique name prefix, new name is 'OBATR_test112233112233110.png'
13:25:25	test.png	OBATQ	Moved job to folder 'Folder 7'
			Stripped unique name prefix 'OBATQ'; resulting job name: test.png

Quick filters:

The first filter is the timeline on the top right.



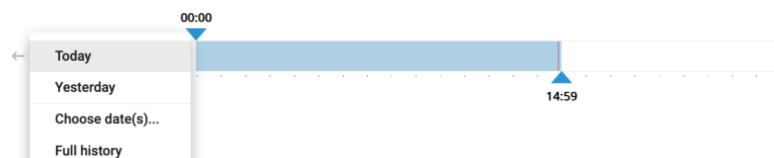
The sliders allow to quickly filter on time.



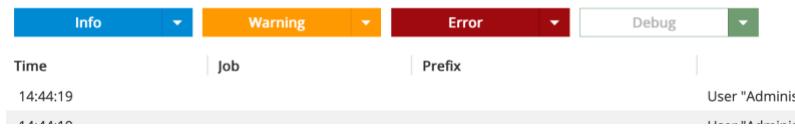
Each red line represents an error message.



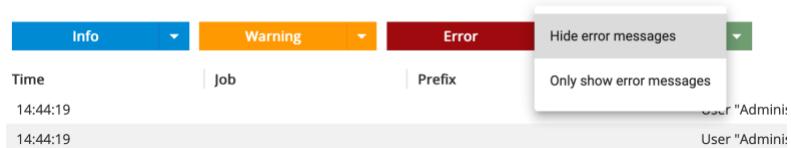
The drop down on the left allows further filtering.



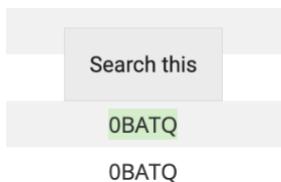
The colored buttons allow quick filtering on message type.



Either by clicking on the button or using the drop-down menu.



Another way to quickly search for something is by selecting the text in the messages table.



A selection can then be turned into a filter by using the “search this” action which is shown after selecting text.

This filter is shown above the search box.

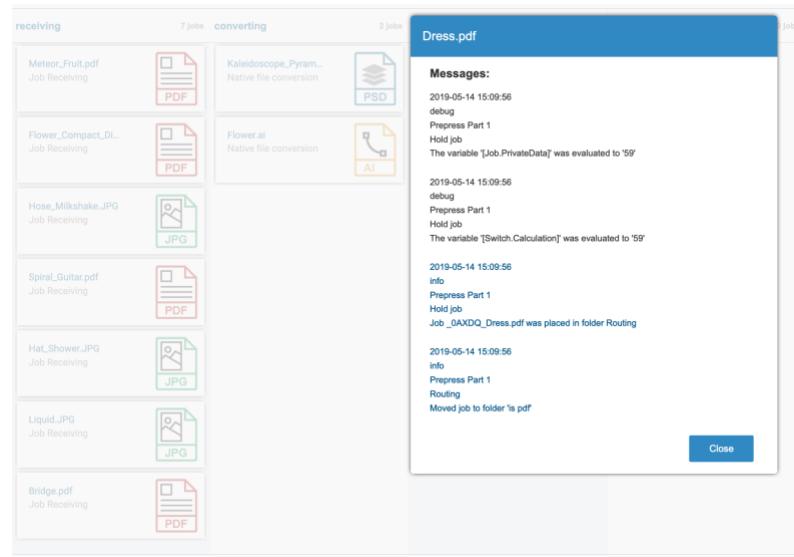


A more detailed overview of the messages view is available in the documentation.

## 8. Job board and Dashboard additions

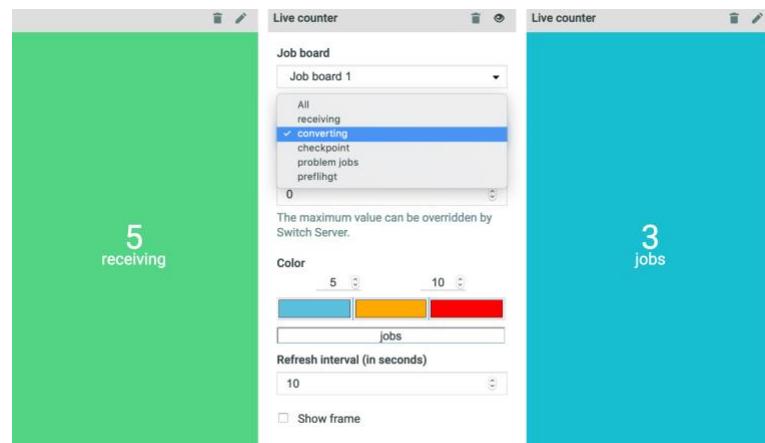
### 8.1. Show job related messages on a job board

When auto refresh is disabled on a job board you can now click on a job to open all the related messages.



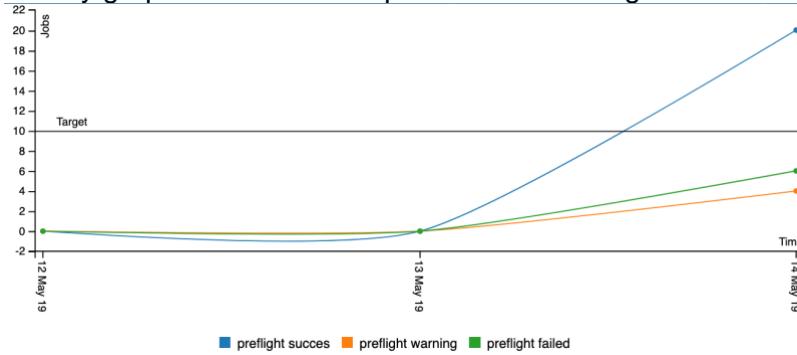
## 8.2. Selecting specific Job board columns for Live Counter widgets

For Live counter widgets you can now select the column of the Job board. This means that creating a separate job board for each counter is no longer needed.



### 8.3. Show target lines on history widgets

History graph now have the option to show a target line.



### 8.4. Select custom colors for live graph widgets

Live graph widgets support custom colors for each column in the job board.

Chart

Pie

Job board

Job board 1

Include jobs finished in the last (hours)

0

The maximum value can be overridden by Switch Server.

Refresh interval (in seconds)

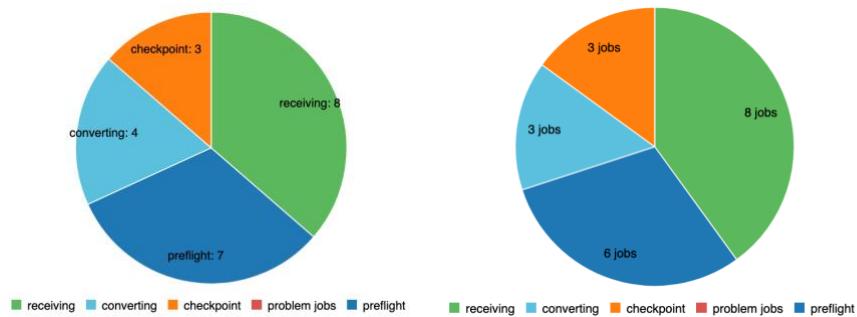
10

Pick custom colors

receiving	<span style="background-color: green; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
converting	<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
checkpoint	<span style="background-color: orange; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
problem jobs	<span style="background-color: red; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
preflight	<span style="background-color: darkblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>

### 8.5. Use column names for Pie Chart Labels

Optionally the labels in Pie Charts can now display the column names instead of the default "jobs" label.



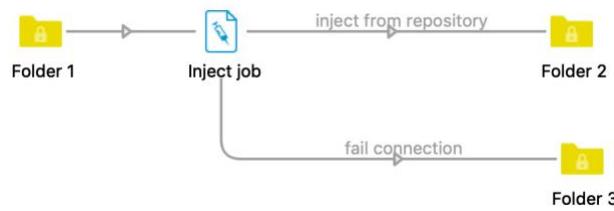
## 9. Inject Job Improvements

### 9.1. Fail connection for not existing files from repository

Whenever a file does not exist in the job repository the incoming job can now be send to a fail connection.

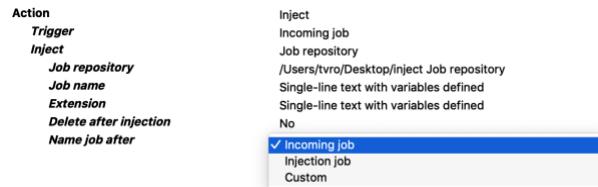
This allows to expand the flow to further handle these files, instead of sending the job to the problem jobs.

The fail action needs to be enabled on one of the outgoing connections.



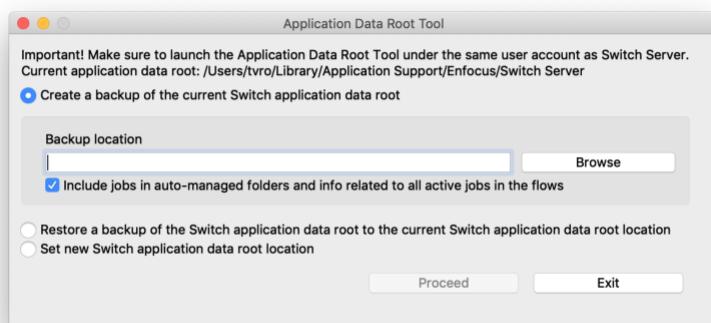
### 9.2. Custom filenames for inserted jobs

Another improvement to the inject job tool is to use Single line Text with variable to name your inserted jobs.



## 10. Back-up tool for your Switch data root

The Switch application move tool is extended with features to take (and import) complete backups of your Switch installation.



## 11. Other improvements

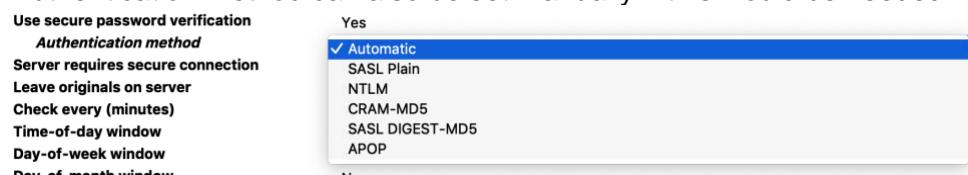
### 11.1. Warning when script change is detected

When starting a flow after editing a script a dialog will inform the user about the change.



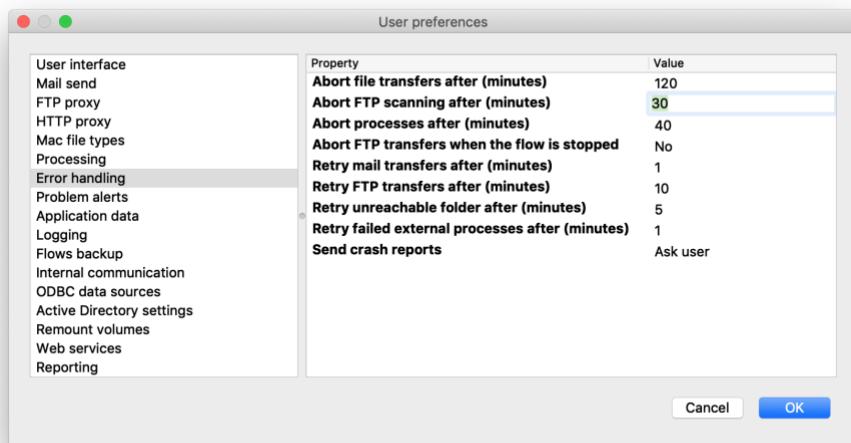
### 11.2. choosing Mail authentication method

Previously the Mail receive element always automatically detected the authentication method. Which worked correctly for 99% of the available mail servers. From the Switch 2019 Spring release onwards the Authentication method can also be set manually if this would be needed.



### 11.3. Additional Ftp scanning time-out preference

Switch Administrators can now manually enter a value to abort FTP scanning.



## 12. Moving from the legacy desktop client to the Web Portal

### 13. Bugfixes

Issue key	Summary
ENFS-22372	HTTP Request configurator not managing HTTP Response with missing reason phrase after status code
ENFS-22244	Script timeout when trying to delete file statistics temp file
ENFS-22241	Switch: Double-clicking jobs in Web Client has incorrect behavior
ENFS-22011	Progress pane stuck
ENFS-21786	Timed release not working with Archive Hierarchy
ENFS-21772	Switch: Web client view does not match file
ENFS-21728	XML pickup does not work correctly when the asset is a job folder
ENFS-21669	Data lost with XMP inject on Windows
ENFS-21547	scientific notation of that number shown in MetaData
ENFS-21544	New app version not installing properly and even unassigning app - Mac only
ENFS-21540	# added when using split job Filename Suffix that starts with a space ''
ENFS-21450	XMP issue after update to Switch 2018.3
ENFS-21449	Switch: Cannot browse FTP directories after upgrade to 18.3
ENFS-21434	getLibraryForProperty Filter Feature Request

<i>ENFS-21395</i>	SwitchScripter: Inconsistent behavior
<i>ENFS-21182</i>	XML dropdown values in checkpoint in 18 update 2 web portal
<i>ENFS-21142</i>	Apps not loaded on Mac
<i>ENFS-20343</i>	Merge PDF merges incomplete job
<i>ENFS-18290</i>	Submit hierarchy picks up jobs from a folder that was excluded
<i>ENFS-18284</i>	Webhook request does not support binary data
<i>ENFS-18279</i>	Users pane: Active Directory users are added with invalid login
<i>ENFS-18186</i>	Flow element moves to top left corner upon fast clicking
<i>ENFS-18053</i>	Switch: Last names in Active Directory with a ' in it
<i>ENFS-17654</i>	Losing Windows Service settings after Major upgrade
<i>ENFS-17613</i>	[IPWorks SSH] SFTP support
<i>ENFS-16299</i>	Flow Groups lost after restart
<i>ENFS-15637</i>	REST API Replace Job doesn't update the filename extension while legacy SwitchClient does
<i>ENFS-13309</i>	[Designer][Jobs pane improvements] Designer crashes because of a problem in Jobs pane