# Switch 2024 Spring

What's new?

Contents

General

Before you upgrade

We strongly recommend backing up the Switch application data root before starting Switch for the first time after upgrading.

Proxy Module

In today's digital landscape, maintaining the security and integrity of production environments is paramount. Enfocus Switch, a powerful automation platform, empowers users to streamline workflows and enhance productivity. However, connectivity to the internet isn't always desirable or feasible for sensitive production environments.

The Switch Proxy Module enables users to keep their Enfocus Switch installations offline without sacrificing connectivity to essential resources. This module serves as a gateway, facilitating secure and controlled access to the Appstore while maintaining the isolation of the Switch installation from the internet.
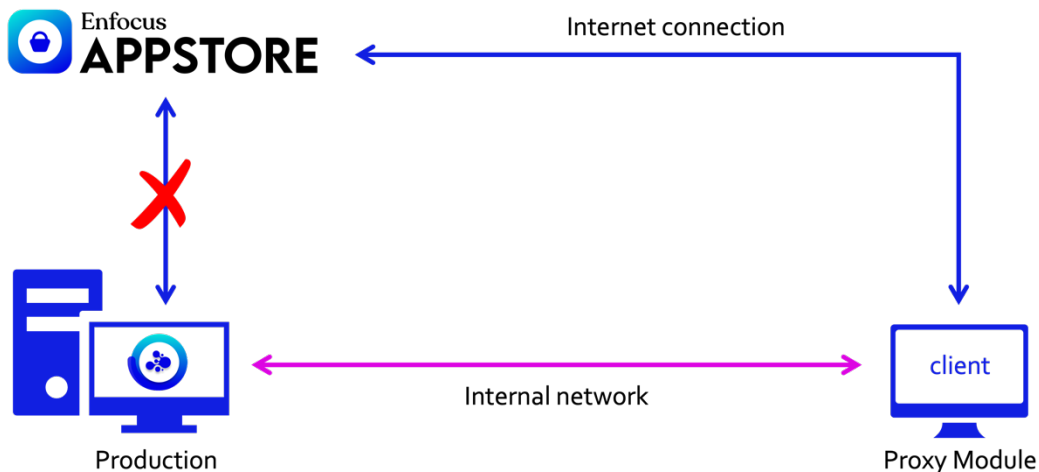
With the Switch Proxy Module, users can harness the full capabilities of Enfocus Switch while adhering to stringent security protocols. This means that critical workflows can operate seamlessly within offline environments, ensuring data privacy and operational continuity without the need for internet connectivity.

The Proxy Module is an additional Switch Module available at specific pricing. For detailed pricing information, please reach out to your local reseller. It is important to note that this module is compatible exclusively with Windows devices. For more comprehensive details, refer to the documentation.

Email Notifications for App Store Connectivity

We've enhanced the "Problem Alerts" preferences by introducing a new feature. Now, you can specify that if your Switch Server fails to connect to the Appstore after a specified number of attempts, you'll automatically receive an email notification. This ensures timely awareness of connectivity issues.

Switch attempts to connect to the Appstore for licensing every 8 hours. When successful, app licenses are renewed for 30 days. With the new problem alert feature, you can specify how many failed attempts trigger a notification. For instance, setting the value to "5" means you'll receive an email after the 5th failed attempt, occurring at an interval of 8 hours, totaling 40 hours before notification.
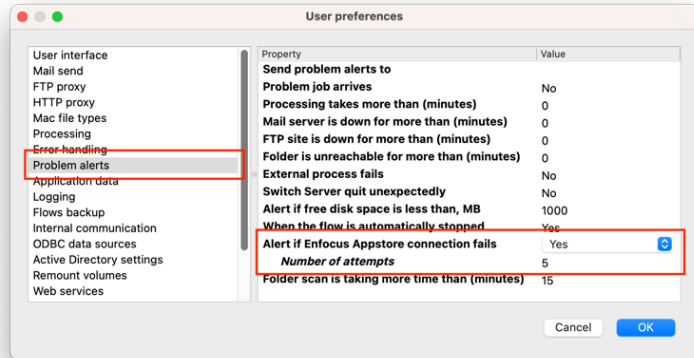
Email Notifications for Folder scan

A new email notification has been implemented to keep you informed when folder scanning exceeds expected timeframes. You now have the flexibility to set the threshold for receiving notifications, ensuring prompt awareness in case of prolonged scanning durations. Our warning messages also provide essential details such as the folder path and flow name for better context.
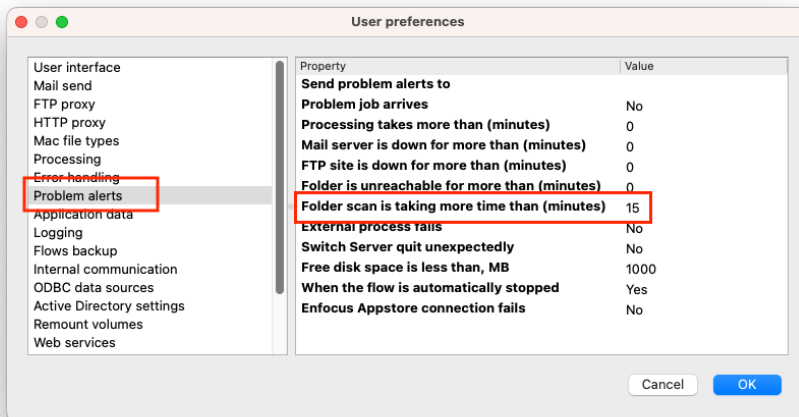
Client module

Submit Point Box Height Setting

You are now able to customize the height of the Submit point box according to your preferences. When configuring your Submit point, you have the flexibility to choose how the height is determined. You can opt for automatic height adjustment based on the content of the description or specify a fixed height of your choice.
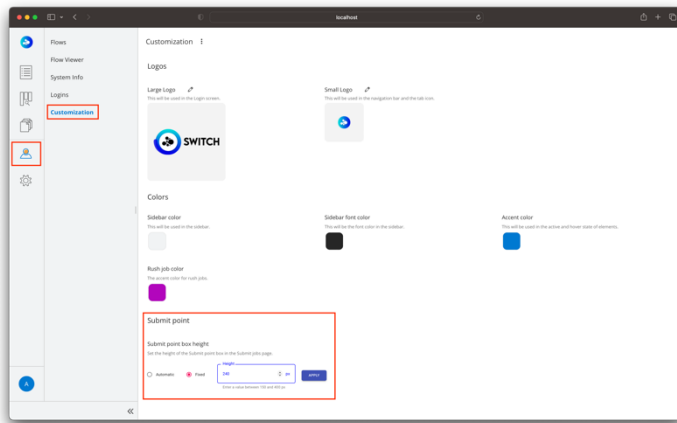

To make these adjustments, simply navigate to the customization settings within the Admin section of the Web Portal. Here, you can set the desired height for the Submit point box.

It's important to keep in mind that the height of the Submit point box must fall within the range of 150 to 400 pixels to maintain optimal display and usability.

Submit Point Description

In the "Submit Point Description" field, there are no longer any restrictions on the number of characters you can use. Feel free to input as much text as necessary to convey your message effectively. If the content exceeds the visible area of the Submit point box, users will have the ability to scroll down to view the entire description without any limitations.
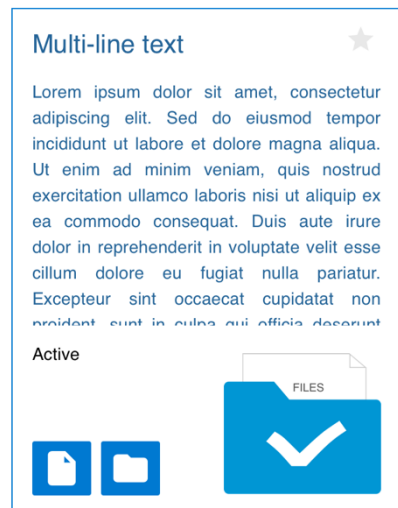
File transfer progression

We have enhanced the upload process when using a Submit point by incorporating a visual representation of the upload progress.
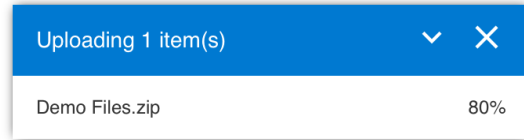
Preserving Customize fields

When the fields were chosen on the jobs panel using the "Customize fields" option on any browser, the same selected fields were not saved when you opened the same page on a different browser with the same user. In this version of Switch, these fields are now saved against the user and therefore preserved when the user logs into a different browser.
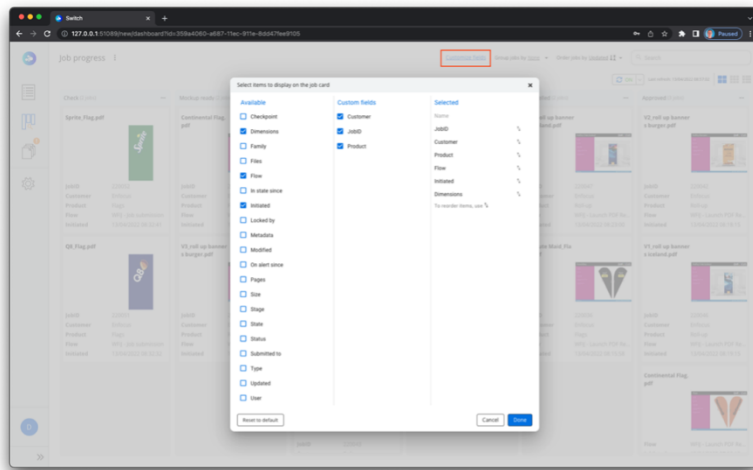
Scripting

s.getSpecialFolderPath("ScriptData") in Node.js

At times, there arises a necessity to cache substantial amounts of data that cannot be stored in global data due to reasons such as file size or the binary nature of the file.

createPathWithName in Node.js

These functions are designed to assist script developers in creating temporary files efficiently. After execution, Switch will automatically detect and remove these temporary files, ensuring a seamless cleanup process.

getVariableAsString in Node.js

These functions are designed to retrieve the value of a single variable within the scope of a job. Currently, the functionality is restricted to extracting variables from metadata through XML, JSON, and XMP models. JDF support is not available at the moment. It's important to note some limitations when utilizing this new feature. For detailed information on these constraints, please consult the Switch 2024 Spring Scripting Guide (Node.js).

Support for ES modules in Switch Scripting

You can now import ES modules either statically or dynamically, or using `require`, just like you would in any typical Node.js script. This flexibility allows you to use modules that are only available as ES modules.

Extra resource files for regular sscripts

As a script writer you are now able to include extra resource files in your packed sscript without having to pack it as an App first so that when you need to add resources to your script:

- You can still load your script through the script element and export your script together with the flow (including the extra files).
- You are still able to debug your code when using these extra files.

Access to the Preferences

Apps occasionally require access to information stored in the Switch Preferences. This could be crucial when, for instance, determining the ports used for webhooks or remote processing. Introducing the "getPreferenceSetting" function, offering a comprehensive array of preference settings, streamlining access to vital information for app developers.

MongoDB

MongoDB upgraded

Switch 2024 Spring has been updated to support MongoDB version 6, ensuring enhanced compatibility with the latest features and improvements offered by the updated database system. This update allows users to leverage the full capabilities of Switch while benefiting from the advancements and optimizations introduced in MongoDB version 6.

App compatibility

NPM packages

We recommend app creators upgrade their NPM packages to the latest version to make sure the Node.js upgrade is not causing any issues.

Error handling

Improvement handling ECONNRESET/ socket hang-up error

Overview

We have improved the handling of ECONNRESET or "socket hang up" errors. This enhancement ensures greater reliability and stability, providing a smoother user experience. While this error can still occur, its frequency has been drastically reduced. We are committed to continuing to enhance this mechanism in future versions to further improve reliability and stability, providing a smoother user experience.

What is ECONNRESET?

The ECONNRESET error occurs when a network connection is unexpectedly closed by the peer, often due to client/server issues, network interruptions, timeouts, firewalls, high load, or protocol errors.

Improvements

- **Automatic Retries**: The system now automatically retries operations when an ECONNRESET error occurs, overcoming temporary network issues without user intervention.
- **Optimized Timeouts**: Timeout settings have been fine-tuned to prevent premature disconnections while maintaining responsiveness.
- **Enhanced Logging**: Improved logging captures connection attempts and errors, aiding in diagnosis and further refinement.

Benefits

- **Increased Reliability**: Reduces the impact of transient network issues.
- **Improved User Experience**: Fewer disruptions and smoother interactions.
- **Reduced Manual Intervention**: Automated retries save time and resources.

System requirements

Windows

Switch 2024 Spring is compatible with:

- Microsoft® Windows® 10 (64-bit)
- Microsoft® Windows® 11
- Microsoft® Windows® 2012 Server R2 (64-bit)
- Microsoft® Windows® 2016 Server (64-bit)
- Microsoft® Windows® 2019 Server
- Microsoft® Windows® 2022 Server

macOS

Switch 2024 Spring is compatible with:

- macOS 11 (Big Sur) on Intel
- macOS 11 (Big Sur) on Apple Silicon
- macOS 12 (Monterey) on Intel
- macOS 12 (Monterey) on Apple Silicon (M2 chips require manual installation of Rosetta)
- macOS 13 (Ventura)
- macOS 14 (Sonoma)

Bug fixes

The following bugs have been fixed:

ENFS-35628	Switch 2023 Fall will not run when fully licensed with PitStop Server upgrade keys.
ENFS-35617	Scan frequency of folders changed to 429491
ENFS-35411	PitStop Server configurator is not showing with a PitStop Server trial license
ENFS-35406	Job Filter - Long username/group not visible
ENFS-34058	sendToChannel and subscribeToChannel not throwing errors in all cases
ENFS-36273	Process stopped unexpectedly
ENFS-36271	No longer able to determine script path
ENFS-36057	Packed script have different behavior than script folder
ENFS-36351	Using sendToData() with missing outgoing connection
ENFS-36166	getServerVersion() for Nodejs scripting
ENFS-34603	Overwriting existing dataset error