



RELEASE IT

Description

The Release-it app moves designated jobs from a designated checkpoint.

Requirements for the app

The app has a dependency on the Switch Web Services license.

A user will need to be created in the Switch users that has Administrator permissions, so that this user can be used to run the API calls needed.

A URL is provided for the setup of a user for Web services at the end of this document.

App Usage

The app will search the checkpoint/s designated for the designated job so that it can be moved from the checkpoint/s to the connection designated in the configuration of the app.

The app has an option Send all. This allows that releasing of all jobs at a checkpoint that is designated in the configuration of the app.

The routing of the job can be either an immediate routing or a deferred routing.

For instances where a checkpoint takes metadata, it is best to setup a deferred routing model for the checkpoint, ie. only one out connection called Proceed, for example, which is then connected to out connections with the dynamic routings required. This will provide a method of isolation for the out routes that should only be interacted with by the API. A drop down list can be specified in the checkpoint with route names for manual routing interaction by a user.

If multiple checkpoints are to be checked the setups are flexible, ie. a mix of checkpoint types can be handled that either take metadata or do not take metadata, or have direct routing or deferred routing.

Example flows are provided to illustrate usage.

App usage scenarios

- The usage of this app would be for instances where old jobs need to be cleaned out of checkpoints in scenarios where a revision has been received for a job and the job could be at multiple checkpoints.
- There could be instances where interaction is required with jobs in checkpoints where a user need not be involved, etc
- With the Send all option set at "Name search type" scenarios like batch releasing of approved jobs can be covered with a periodic send of a dummy job to the app to trigger the search and release of jobs at a checkpoint.

Overview of configuration options

Property	Value
Element type	Release it
Name	Release it
Description	
Switch server address	127.0.0.1
User name	Switch API 1
Password	*****
Checkpoint name	Select many from library defined
Name search type	At start of name
Search string	Single-line text with variables defined
Label name	Action
Connection name	Merge with text
Outgoing dataset name	release-it-json
Add XML dataset of moved jobs	Yes
XML dataset name	release-it-xml
Use debugging	Yes
Output debug JSON	Yes
Private data base name	release-it

Overview of app configuration

Element	Options	Element Type	Description
Name		String	Name of app element in Switch.
Description		String	Description of element in Switch.
Switch server address		Single-line text/ Single-line text with variables/Script expression	Address of the Switch server.
User name		Single line text	User name setup to run Web services calls. Default Switch API.
Password		Password	Password set for user to run Web services calls.
Checkpoint name		Multi line text/ Single-line text with variables/Multi line text with variables/ Select many from library/Script ex- pression	List of checkpoints to check for a job/s to be released. NOTE: If the select from library option is selected, this will display a list of checkpoint names separated by pipe symbol, after which is stated the flow name that the checkpoint is resident in.
Name search type	Send all;At start of name;At end of name;- Contains in name; Custom regex	Dropdown list/ Single-line text with variables/Script expression	Type of search to perform for finding a matching job at a checkpoint. NOTE: Send all added as an option to send all elements found at a checkpoint. This does not use the search functionality at all. NOTE: A check has been instituted to check that if "Custom regex" is selected as the option when the type for "Search string" is a regular expression.
Search string		Single-line text/ Regular expression/ Single-line text with variables/Script expression	NOTE: This parameter is now dependent on the value for "Name search type" not being Send all. The search string to be used for matching a job.
Case sensitive		No-Yes list	Determine if search should be case insensitive NOTE: This parameter is dependent on the value for "Name search type" not being Send all.

Configuration overview continued on next page



Overview of configuration options, cntd

Element	Options	Element Type	Description
Label name		None/Single-line text with variables/Script expression	Pass the name of the metadata field(tag) that routing information will be added too for instances where a checkpoint takes metadata. NOTE: If None specified or the name is not found in a checkpoint searched, that takes metadata, the label name of the first field found will be used.
Connection name		None/Single-line text with variables/Script expression	The name of the connection the job should route along. NOTE: If None chosen as the option for this element, it is advised, in the case of a deferred routing scenario that a connection be created that accepts "All other" with "Include these jobs" configured with "All other jobs". The reason is that there will be no information for routing the job at the point where the job is to be routed.
Outgoing dataset name		Single-line text	Name of outgoing dataset.
Add XML dataset of moved jobs		No-Yes list/Single-line text with variables/Script expression	Add XML dataset of moved jobs. XML dataset to facilitate text indexed listings of jobs moved for outputting the information in email bodies for instance. The same thing can be achieved by using text indexed on the JSON dataset output by the app with the following string, /result/jobs_moved_array, passed to the JSON pointer.
XML dataset name		Single-line text	Name of XML dataset added to job of the jobs found and moved at the checkpoints searched.
Use debugging		No-Yes list	Attach a debugging dataset. To be used for setup of flows. Attach's a comprehensive dataset of the setup specified for the app configuration, checkpoints searched, jobs found, etc. A key is added to the data output about a job found at a checkpoint called, __resource_connection_string , which gives the unique string for finding the checkpoint, which is identical to the strings found in the 'Select many from library' option.
Output debug JSON		No-Yes list	Output a JSON file of the debugging dataset. NOTE: If no log connection set for the output of the JSON debug file the flow element will be put into an error state.
Private data base name		String	Private data base key name. Private data is added top the job when it fails for duplicate checkpoints found at run time. A check is performed for duplicate checkpoints when a job arrives at the app when the flow is active. Child keys added are: [base key name].error - error information [base key name].checkpoint_log - list of checkpoint details found [base key name].checkpoint_duplicate_names - list of duplicate checkpoint names found



Information about datasets added to jobs

On success(JSON dataset):

- time_set - time request was run
- result - object that contains information about the request
 - * state - state of request result
 - * message - request result
 - * data - data returned by request
 - * jobs_moved - array of information about jobs moved from checkpoints
 - * jobs_moved_count - count of the number of jobs moved
 - * jobs_moved_array - List of jobs matched at checkpoints searched. The XML dataset that can be placed on the job contains the same information.
 - * empty_checkpoint_names - names of the empty checkpoints. A record is kept of the checkpoints to be searched that are empty. If all checkpoints empty the job is routed to the error connection.

On error:

- time_set - time request was run
- result - object that contains information about the request
 - * state - state of request result
 - * message - error message
 - * empty_checkpoint_names - names of the empty checkpoints

URL for Enfocus knowledge base on user setup for Web services

<https://enfocus.my.site.com/partners/s/article/Why-do-my-webservice-API-calls-fail-with-User-x-has-no-permission-for-this-operation-error>

Below is the content of the knowledge base article:

Why do my webservice API calls fail with 'User x has no permission for this operation.' error?
24 Nov 2020

Issue
When trying to make API calls, they fail with an error message, "User x has no permission for this operation."

Description
Starting from Switch v17, there's a Web Services API implemented in Switch. This allows you to use API calls to Switch to retrieve or send data.

To do so, it's necessary to first make a log in-call and receive a token with which follow-up calls can be made.

Solution
In the Switch User's pane, the API user needs to be configured to "Submit and check jobs" and "accessible jobs" should be set to 'all jobs' or 'own jobs.'

In Switch 17 and 18, if the above is correctly set, yet the API call still returns the message, "User X has no permission for this operation," please check the following setting:

Switch > Preferences > Internal Communication > Job client type.

To use the REST API, the "Job client type" should be set to 'Default'. If the value is set to 'Legacy,' you'll receive the error "user XXXX has no permission for this operation."