

# Remote process



Remote process is a default Switch app that allows you to take Switch jobs out of the flow, process them remotely (using the service of your choice) and put them back in the flow after processing.

The API to communicate with Switch is available on the Enfocus website.



**Note:** The Remote process element is only available if you have licensed the Scripting module.

## Keywords

If you enter one of the following keywords in the Search field at the top of the Flow Elements pane, the **Remote process** element will be shown in the list:

- HTTP
- HTTPS
- REST
- service

## Connections

Remote process requires at least one incoming and one outgoing traffic light connection.

## Properties

Property	Description
Element type	The flow element type: Remote process.  This property is useful to identify renamed flow elements. It cannot be changed.
Name	The name of the flow element displayed in the canvas.
Description	A description of the flow element displayed in the canvas. This description is also shown in the tooltip that appears when moving your cursor over the flow element
Job notification URL	The URL of the remote processing service that will be called when a job arrives in the Remote process flow element or when the flow is stopped and non-finished jobs are aborted.

Property	Description
	Both HTTP and HTTPS are supported (if enabled in the Switch Preferences).  Example: <a href="http://www.myremoteprocessingservice.com">http://www.myremoteprocessingservice.com</a>
Send notification when flow stops	When set to Yes, a notification is sent for each non-finished job that is aborted when the flow is stopped.  Note that jobs that are finished in the time between the actual flow stop and the time set in <i>Release acquired slots after (minutes)</i> (in the Processing category of the Switch Preferences), are not aborted, hence for such jobs no "abort job" notification is sent.
Ignore server certificate errors	If set to Yes, server certificate errors will be ignored when connecting to an HTTPS server.  Examples of certificate errors: <ul style="list-style-type: none"> <li>• Self-signed certificate</li> <li>• Invalid host name</li> <li>• Expired certificate</li> </ul>

## How it works

Whenever a job arrives in this flow element, Switch sends a notification to the remote processing service (of which the URL should be entered in the "Job notification URL" property of the flow element). The remote processing service should respond with a status code in the range of 100 to 299 to indicate that the notification was successfully received.

The notification, also known as a webhook, contains the necessary information for the remote processing service to communicate with the Switch Service REST API. The remote service has to download the job file from Switch, and optionally the metadata. At the end of the processing, the remote process service has to inform Switch that the processing is finished and optionally upload a modified file. Switch will then send the input job or the new job along the correct outgoing connection.

When the flow is stopped, non-finished jobs are aborted and if "Send notification when flow stops" is set to Yes, for each aborted job, a 'jobAborted' notification is sent to the remote processing service.

The details of the information that is sent and more info about the available REST API calls can be found in the Switch Web Services REST API documentation.



### Note:

- Switch blocks a processing slot for the duration of the processing time.

**Remark:** When the flow stops while a job is being processed remotely, Switch waits for the processing to complete. The wait time can be configured via *Release acquired slots after (minutes)* (in the Processing category of the Switch Preferences). Only when remote processing was not completed in time, the job is aborted and a flow stop notification is sent.