

Subflow

Description

Subflow is the easiest way to create "subflows". This app can be useful whenever you need to integrate a flow within another flow.



This is a bundle composed of three elements:

- **Subflow - Main**, which sends a job to another selected flow
- **Subflow - Receive**, the input of the subflow, which receives jobs from "Subflow - Main"
- **Subflow - Send back**, one of the outputs of the subflow, which sends jobs back to their corresponding "Subflow - Main"

Compatibility

Switch 2018 update 3 or higher.

Connections

Subflow - Main

At least one incoming connection.
Traffic light outgoing connections.

Subflow - Receive

No incoming connection.
One output connection.

Subflow - Send back

At least one incoming connection.
No output connection.

Use cases

- Split a big workflow into smaller logical parts.
- Create some generic flows you can call into any other flow.

 **Subflow - Main**

This element is the one you use in your “main flow” to send incoming jobs to a “subflow”.

Flow element properties

Subflow

Select a "subflow" in which incoming jobs should be sent.

If the specified flow does not exist, the job will fail.

If it is not activated or has no “Subflow - Receive” element, incoming jobs are sent to problem jobs.

Subflow parameters

Optionally, you can specify "parameters" that may be used in the "subflow".

Those parameters will be set as private data keys.

Just set them as you would do with private data keys in a flow folder.

e.g.:

param1=value1

param2=value2

Protocol

To communicate with other elements, this app uses webhooks.

If you did not enable HTTPS listener in "Preferences > Webhooks", you can let this property on "HTTP".

Otherwise, you can use HTTPS.

Possible values:

- HTTP
- HTTPS

Port

To communicate with other elements, this app uses webhooks, so it needs to know on which port Switch listens to these.

If you did not change this setting in "Preferences > Webhooks", you can let this property on "Default" (51080).

Otherwise, just specify the port number.

Timeout

Amount of time (in minutes) after which an incoming job will fail if it has not been sent to the corresponding "Subflow - Receive" element.

A value of 0 means this option is disabled.



Subflow - Receive

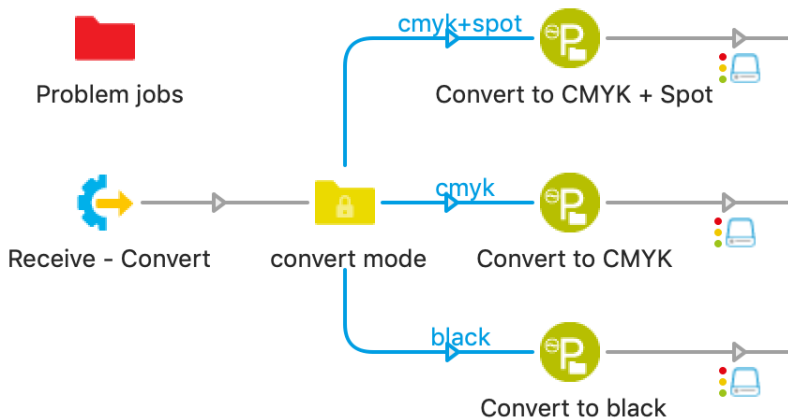
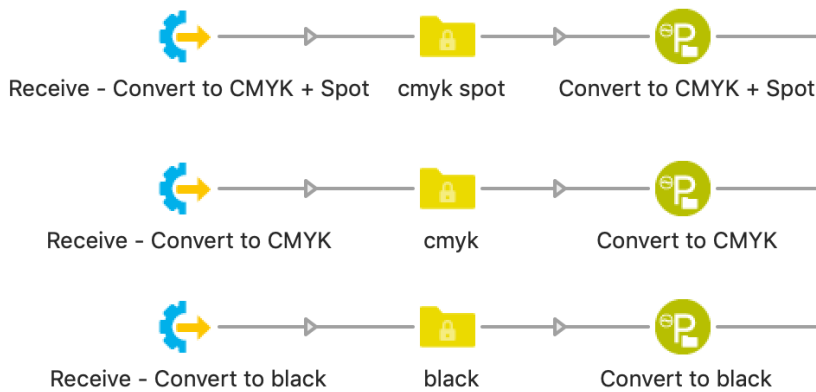
This element is the input of your “subflow”. Just use one by flow.

This element has no property.

Disclaimer :

If multiple “Subflow - Receive” elements are present in the same flow, the job will randomly be routed out only one of them

So just use one “Subflow - Receive” element in a single flow.



 **Subflow - Send back**

This element is the output of your "subflow". You can use several in your flow.

Flow element properties

Output level

Specify an output level for incoming jobs.

They will be sent back to the output connections with this level in the appropriate "Subflow - Main" element.

If the "main flow" is not activated or the corresponding "Subflow - Main" element has been removed, incoming jobs are sent to problem jobs.

Write log

If you want to output a log in the "Subflow - Main" element.

Log content

Enter the log content.

Log type

Choose a log type.

Possible values:

- XML
- Opaque

Log extension

Specify an extension for the generated log file.

Timeout

Amount of time (in minutes) after which an incoming job will fail if it has not been sent to the corresponding "Subflow - Main" element.

A value of 0 means this option is disabled.

Note

To be sent back to the appropriate "Subflow - Main" element, a private data key "**__subflow_callback__**" is added to the job.

This key contains the list of "<Flow>---<Subflow - Main ID>" this job went through.

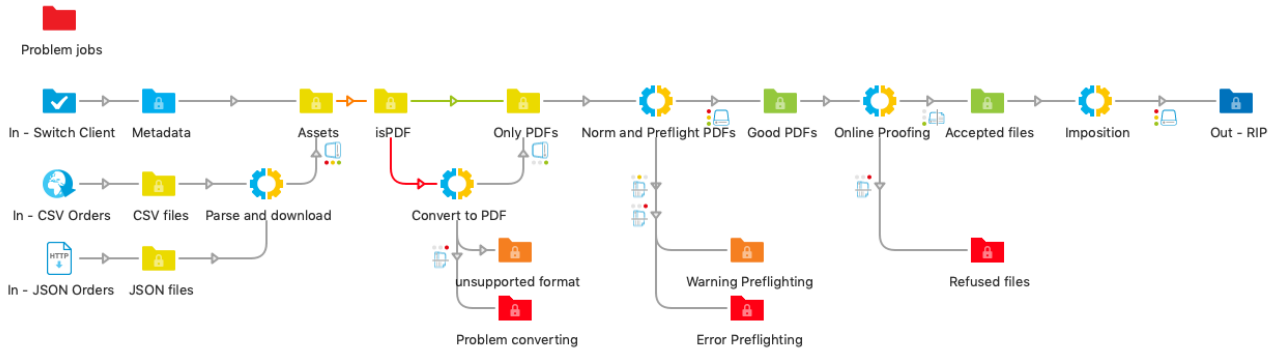
There are other reserved private data keys for this app, such as:

- **__subflow_protocol__**
- **__subflow_listener__**
- **__subflow_start__**

Manipulate those private data at your own risk as it may break the subflow chain!

Example flows

Main workflow



Norm and preflight subflow

