

Check File Existence

Description

This app checks whether a file exists at a specified path, which can be built dynamically using variables. Depending on the result, the job is routed to the success connection or, depending on the selected job handling strategy, to the warning or error connection, so your flow can react before further processing takes place. With the 'Invert logic' option, the check can be reversed: the job succeeds when the file does not exist. This is useful for detecting duplicates, for example to verify that an order or customer file has not been created yet.

Compatibility

Switch 2024 Fall and later.

Connections

The app has an incoming connection and traffic light output connections (success, warning and error). Whether a failed check is routed to the warning connection, to the error connection, or causes the job to fail is controlled by the 'Job handling strategy' property.

Flow elements properties

- **File Path:**
The path of the file to be checked
- **Job handling strategy:**
In the case that the check fails (the file is missing, or the file exists while 'Invert logic' is enabled), the further behavior of the job can be altered by this dropdown menu:
 - If the dropdown value is set to 'Warning connection', the job is being redirected to the yellow connection of the traffic light output and the message is written to the job log as a warning. Choose this option when a missing file is an expected, non-critical situation that should not be reported as an error in the Messages pane.
 - If the dropdown value is set to 'Error connection', the job is being redirected to the red connection of the traffic light output and the message is written to the job log as an error.
 - If the dropdown value is set to 'Problem jobs', the job becomes an error job in the problem jobs folder and can be retried later.
- **Invert logic:**
Reverses the check. If set to 'No' (default), the job is sent to the green connection if the file exists, and to the red or yellow connection (see 'Job handling strategy') if it does not. If set to 'Yes', the job is sent to the green connection if the file does not exist, and to the red or yellow connection if it does. Use 'Yes' to verify that a file has not been created yet, for example to check whether an order file already exists.

Outgoing connections properties

- No properties for outgoing connections

V2

- New property 'Invert logic' (Yes/No, default: No). When enabled, the check is

reversed: the job is sent to the green connection if the file does not exist, and to the red connection (or problem jobs) if it does. Log messages have been adapted to the selected mode, so jobs routed to the green connection no longer produce error log entries. Existing flows are unaffected: with the default 'No', the behavior is identical to previous versions.

V3

- The 'Job handling strategy' dropdown has been extended by a third option, 'Warning connection'. When selected, a failed check no longer routes the job to the red connection but to the yellow connection of the traffic light output, and the corresponding message is logged as a warning instead of an error. This allows flows to distinguish between a genuinely faulty condition and an expected one, for example a file that has simply not been created yet, without producing error entries in the Messages pane. The warning connection has been added to the outgoing connections of the app for this purpose. Existing flows are unaffected: with 'Problem jobs' or 'Error connection' the behavior is identical to previous versions. The 'Job handling strategy' property now defaults to 'Error connection' instead of an empty selection, so a newly added element is preconfigured. Flows that already use the app keep their configured value.
The minimum required Switch version has been raised to Switch 2024 Fall.