Version

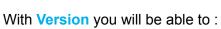## Description

Version empowers you to save and maintain multiple versions of your files, enabling hassle-free rollback to previous iterations whenever necessary.

With **Version** you will be able to :
- **Save** a history of the version of your file.
- **Restore** at any moment to a previous version.
- **Compare** your file to a previous version, or a specified file/checksum.

The previous version history will be stored as a dataset, and each version of the files will be saved as an opaque dataset.

Compatibility

Switch 2022 fall or higher.

Connections

One incoming connection
At least one traffic light outgoing connection.

Use cases

- Create a history of **versions** to keep track of the modifications.
- **Compare** your file to another one to check if they are the same file.
- **Save** within your job the version before applying watermark/cartridge/low res for approval, then **restore** to a previous one for printing.
- **Save** the original file of your customer, and allow easy rollback for prepress users if any mistakes are made.
- **Save** the history of change on a document, if the customer wants to rollback to a previous version.

Flow element properties

- **Dataset name**
  Name of the dataset prefix that will be used by **Version** app.
  The file will be named as :
  - [dataset name]_[versionNumber]
  - [dataset name]_control.json

- **Action**
  The action you want to perform on your file.
  See below for additional information.

- **Save**
  Save the actual file as an opaque dataset.

  - New version number
    If set to "Automatic", the version number will automatically increase by 1.
    If set to a number, the version will be created as is. In the case of a previously existing version, it will be overwritten.

- **Restore**
  Restore a previously saved version of the file.

  - Version to restore
    Choose the version you want to restore your file to.
    If set to "Default", it will restore to the highest (normally the latest) version number.

- **Compare**
  Compare the actual file to another to check if their checksum are the same.

  - Compare mode
    - **CheckSum**
      CheckSum string (must be a Hex Sha256 in UTF-8 mode).
    - **Dataset**
      Choose the name of a dataset you want to compare your job file with.
    - **File path**
      Select the file path you want to compare your actual job file with.
    - **Version**
      Choose the version you want to compare your file to.
      If set to "Default", it will compare to the highest (normally the latest) version number.

Output behaviour

Save	Output connection
Everything went OK	Success
The file checksum is the same as the last version saved	Warning

Restore	Output connection
Everything went OK	Success
The file restored checksum is the same as the version before the restore	Warning
The dataset keeping track of the file history does not exist.	Error
The specified version to restore does not exist in the history dataset	Error

Compare	Output connection
Compared file, and actual file have the same checksum	Success
Compared file, and actual file does not have the same checksum	Warning
The specified dataset, or version does not exist.	Error

Example flows