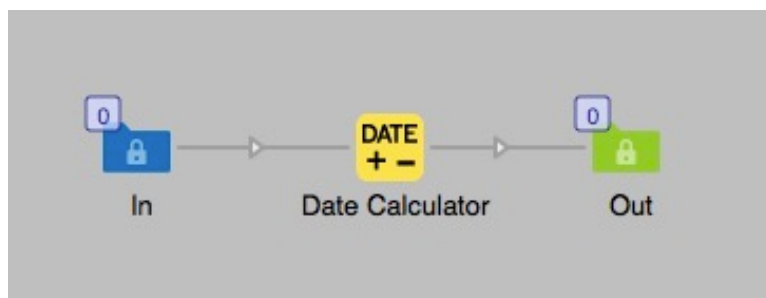


## Date Calculator

### Description

This app will give you the possibility to do simple calculations on dates, you can add or subtract a number of days from a given date.

The resulting date will be stored in the job as Private Data with the key "newDate". This new date can be picked up in Switch variables: [Job.PrivateData:Key="newDate"]



### Compatibility

Switch 13 update 1 and higher. Windows or Mac OSX.

### Connections

This app can have several input or output connections. No settings are available of the outgoing connection.

### Properties detailed info

This app has only two properties, the date that you need to calculate and the number of days to add or subtract. If you want to go back in time you write a negative value (-2).

### Flow element properties

- Date to change (yyyy-MM-dd)
  - Enter a specific date or use Switch variables to pick up the information in the job. By default it is set to the date of today. The format of the date has to be yyyy-MM-dd ( 2017-01-01 ) if it is in any other format the calculation will fail.
- Number of days
  - Enter the number of days that needs to be added or subtracted to the date. This value can use Switch variables.

Property	Value
<b>Name</b>	Date Calculator
<b>Description</b>	
<b>Date to change (yyyy-MM-dd)</b>	Single-line text with variables defined
<b>Number of days</b>	1

### Resulting date value

The calculated date will be stored as a private data Switch variable in the job. The job can have several private data entries and they are labeled with a key, in this case the key is "newDate"

The screenshot shows a software interface with three main columns: "Groups", "Job variables", and "Job.PrivateData (Text)".

- Groups:** A list of categories including Connection, Database, Doc, Email, Image, Iptc, Job (highlighted), Metadata, Office, Photo, Stats, and Switch.
- Job variables:** A list of variables including ByteCount, EmailAddress, EmailBody, Extension, FailElement, FailFlow, FailMessage, FailModule, FailTime, FileCount, FileCreationDate, Hierarchy, IsFile, IsFolder, JobState, Name, NameProper, NestedName, Origin, Path, Priority, PrivateData (highlighted), Size, UniqueNamePrefix, UserEmail, UserFullName, and UserName.
- Job.PrivateData (Text):** A text area containing the description "Returns the value of the private data with the specified key, or empty if no private data with that key was set for the job" and the value "2017-12-27".

On the right side, there are configuration options:

- Key:** A text input field containing "newDate".
- Space:** A dropdown menu showing "----".
- Case:** A dropdown menu showing "----".
- After:** An empty text input field.
- Before:** An empty text input field.
- Segment:** An empty text input field.
- Search:** An empty text input field.

At the bottom right, there is an "Insert variable" button.

Below the main interface, there is a section titled "Text with variables" with a text input field containing "[Job.PrivateData:Key="newDate"]". Below this is a "Sample value" field containing "2017-12-27".

At the bottom right of the interface, there are "Cancel" and "OK" buttons.

If you want to build your own date format you can access the year, month and date of the calculated date from private data with the following keys:

[Job.PrivateData:Key="newYear"] give you the year

[Job.PrivateData:Key="newMonth"] give you the months number (1-12)

[Job.PrivateData:Key="newDateNumber"] give you the date (1-31)