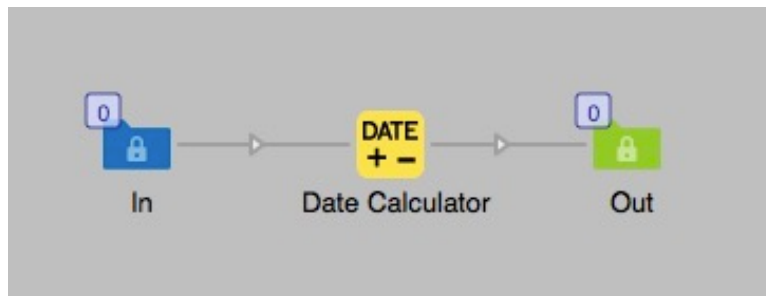# Date Calculator

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.

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"

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="newDate"] give you the date (yyyy-MM-dd)
[Job.PrivateData:Key="newYear"] give you the year (yyyy)
[Job.PrivateData:Key="newMonth"] give you the months number (1-12)
[Job.PrivateData:Key="newDateNumber"] give you the day number (1-31)
[Job.PrivateData:Key="newWeekDayNumber"] give you the week day number (1-7), week starts with Monday
[Job.PrivateData:Key="dateToChange"] give you the date you calculate from

Version 2
Added option to name the Private Data keys.
Version 3
Added Private data key for week day number.