

# Date Activities

This section consists of all activities which have to do with date and time.

- Business Day Calculator
- Date Time Calculator
- Get Current Date Time
- Get next Day of Month in Seconds

## Business Day Calculator

This activity is used to perform various operations in regard to holidays and workdays. For example, it can check if a certain date is a holiday. The options for country code, language, and state id are defined in two XML files.



### Activity (Business Day Calculator)

This activity provides multiple methods for business day calculations.

Check if the date a holiday Date to check  
2/22/2018

Add a number of business days to the start date 15

Get the number of business days between two dates  
(including start and end date)

Holidays

Country: AT (Language: DE) Region: Österreich


Output  
Workflow Variables.Result

Business Entity Fields Validate OK Cancel

## Date Time Calculator

This activity is used to perform date and time calculations. For example, you can subtract one date from another or add two timespans. You can also specify the time zones for the calculation. Output data is of type text.






### Activity (Date Time Calculator)

This activity allows you to perform date and time calculations.


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**Input data:**

**Initial value (date and time or time span):**  
 Bound 

**Value (date and Time will be subtracted, a time span will be added):**

**Add years:**  
 

**Add months:**

**Add days:**

**Add hours:**

**Add minutes:**

**Add seconds:**

**Output data:**

Format output for business entity binding

**Output value:**

**Output time:**

Format output time for business entity binding

**Output Time:**

**Output components:**

Components in UTC

**Output years:**

**Output months:**

**Output days:**

**Output hours:**

**Output minutes:**





**Output seconds:**

**Configuration options:**

**Culture:**

**Time zone:**

Calculate total  Allow negative return values

 Business Entity Fields
 Validate
 OK
 Cancel

## Get Current Date Time

This activity retrieves the current date time and returns it in the specified format.

Valid formats are:

- dd.MM.yyyy
- yyyy.MM.dd

- dd.MMMM yyyy
- dd.MM.yyyy HH:mm:ss
- yyyy.MM.dd HH:mm:ss



**Workflow activity settings**  
Use drag and drop to bind business entity fields with workflow variables. You can create static or dynamic values by clicking on 'Add text property'.


Source	Change order	Target
dd.MM.YYYY HH:mm:ss		A-F
A-F		Format
Field 2		M-R
		Output

Buttons: Add text field, Business Entity Fields, OK, Cancel

### Get next Day of Month in Seconds

This activity calculates the seconds from now until a specified day of the month.





### Activity (Get Next Day Of Month In Seconds)

This activity allows you to calculate the span of time until a specific day.

Input data:

Day of month (1-31):

Output data:

Seconds until next day:

Date:





Year:

Month:

Month as string:

 Business Entity Fields     Validate     OK     Cancel

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Yes

No

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