

Time Diff

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Time
Diff

Time Diff

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Description

The Time Diff plugin is a simple single function plugin but is very useful in my business process automation that deal with date/time. It takes 2 date/time data as input and give the difference after comparing the 2 date/time.

⚠ Note: More date and datetime formats (European styles) are available now - see UPDATES at the bottom of this page.

Format

The Time Diff plugin can take the following 21 data/time data formats. You can mix and match.

1. YYYYMMDD
2. YYYY-MM-DD
3. YYYY/MM/DD
4. MMDDYYYY
5. MM-DD-YYYY
6. MM/DD/YYYY
7. B D YYYY
8. B D, YYYY
9. D B YYYY
10. YYYYMMDD-HHMMSS.mmm
11. YYYY-MM-DD HH:MM:SS.mmm
12. YYYY/MM/DD HH:MM:SS.mmm
13. MMDDYYYY-HHMMSS.mmm
14. MM-DD-YYYY HH:MM:SS.mmm
15. MM/DD/YYYY HH:MM:SS.mmm
16. YYYYMMDD-HHMMSS
17. YYYY-MM-DD HH:MM:SS
18. YYYY/MM/DD HH:MM:SS
19. MMDDYYYY-HHMMSS
20. MM-DD-YYYY HH:MM:SS
21. MM/DD/YYYY HH:MM:SS

Input (Required)

1. 2 date/time data in compliance with the format above
2. Must select one output options.
 - In seconds
 - Timedelta string
 - Value of 1, 0, or -1

Output

Return Value

Output option selected for String, CSV, and File

Return Code

- 0 for success
- 1 for invalid input
- 9 for other failures

Note about Timedelta String when the difference is negative/minus (-)

When you compare 2 date/time data like below

04/21/2021 23:59:59

04/23/2021 00:00:00

The Return Value will be

-2 days, 23:59:59

while the difference is actually 1 day and 1 second, this Return Value is correct. The Timedelta string will give you first the difference in days and then after comma (,) it gives the details in hr:min:sec.

Therefore, in this case, you should read the string as minus 2 days plus 23 hours 59 minutes and 59 seconds.

How to set parameters

Plugin Time Diff

Description

Plugin version 3.429.853

Properties

Date/Time 1

Date/Time 2

Output Options In seconds

[Learn about return value](#)

Return value

Result type String

VariableName {{my.a}}

Return code handler

Success code action

Proceed

Failure code action

[+ Add Items](#)

Date/time data 1 in one of the 21 formats

Date/time data 2 in one of the 21 formats

Choose one of 3 output options

Return Codes
0 for successful execution
1 for invalid input data
9 for errors and failures

Latest Update 2021.11.15

New! The Time Diff plugin now supports date and datetime formats from Europe.

As shown below, the new formats are available in the pulldown menu in the Advanced options

The screenshot shows the Scenario Studio interface with the Time Diff plugin selected. The 'Advanced' options are expanded, showing a list of 21 date and datetime formats. The 'Date/Time 1' and 'Date/Time 2' fields are visible, along with the 'Output Options' dropdown set to 'In seconds'.

Advanced Options:

- Input Date/Time: DDMMYYYY
- Result type: Select an option
- Return code handler: Success code action: 0 Proceed
- Failure code action: + Add Items

Return Codes:

- 0 for successful execution
- 1 for invalid input data
- 9 for errors and failures

Plugin Time Diff ?

Description

Plugin version 3.1112.1103

Properties

Date/Time 1

Date/Time 2

Output Options In seconds

Advanced

☒ Input Date/Time DD/MM/YYYY

[Learn about return value](#)

Return value

Result type Select an option

Return code handler

Success code action

Proceed

Failure code action

[+ Add Items](#)



- DDMMYYYY-HHMMSS.mmm
- DD-MM-YYYY HH:MM:SS.mmm
- DD/MM/YYYY HH:MM:SS.mmm
- YYYYMMDD-HHMMSS
- YYYY-MM-DD HH:MM:SS
- YYYY/MM/DD HH:MM:SS
- MMDDYYYY-HHMMSS
- MM-DD-YYYY HH:MM:SS
- MM/DD/YYYY HH:MM:SS
- DDMMYYYY-HHMMSS
- DD-MM-YYYY HH:MM:SS
- DD/MM/YYYY HH:MM:SS
- YYYYMMDD
- YYYY/MM/DD
- MMDDYYYY
- MM-DD-YYYY
- MM/DD/YYYY
- DDMMYYYY
- DD-MM-YYYY
- DDMMYYYY

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