

# addTime()

This function **adds time** to a given **timestamp** based on a [JWT calendar specification](#).

### Syntax

addTime(timestamp, timeToAdd, calendarName, timeZone) #Output: Number

## Examples

**Assumption:** A custom JWT calendar called "my\_calendar" has been defined as follows:

```
MON - THU {
  08:00 - 15:00,
  16:00 - 19:30;
}

FRI {
  08:00 - 15:00;
}
```

| Parser expression                                                           | Description                                                              |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------|
| addTime(2020/12/01 01:00, 8 * {HOUR} + 31 * {MINUTE}, "my_calendar", LOCAL) | This example returns a timestamp representing:<br><br>"2017/12/04 10:01" |
| addTime(2020/04/20 20:30, - 5 * {HOUR}, "my_schedule", LOCAL)               | This example returns a timestamp representing:<br><br>"2017/04/20 13:00" |

## Additional information

### Parameters used in this function

| Parameter    | Input (data type)                     | Description                                                                                                                                |
|--------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| timestamp    | <input type="text" value="NUMBER"/>   | The parameter must be valid <b>timestamp</b> . Usually this value is retrieved from a <a href="#">field</a> (e.g. due date, created date). |
| timeToAdd    | <input type="text" value="NUMBER"/>   | Time to be added in milliseconds. Usually time macros will be used to convert to input to hours, days etc.                                 |
| calendarName | <input type="text" value="TEXT"/>     | The name of the used <a href="#">JWT calendar</a> .                                                                                        |
| timeZone     | <input type="text" value="TIMEZONE"/> | The <b>time zone</b> used for the calculation.                                                                                             |

## Output

This function returns a  representing a timestamp.

**Variant of the function** where you can define an additional [JWT calendar specification](#).

#### Syntax

```
addTime(timestamp, timeToAdd, calendarName, additionalSpecifier, timeZone) #Output: Number
```

## Examples

**Assumption:** A custom JWT calendar called **"my\_calendar"** has been defined as follows:

```
MON - THU {  
    08:00 - 15:00,  
    16:00 - 19:30;  
}  
  
FRI {  
    08:00 - 15:00;  
}
```

| Parser expression                                                                                                                    | Description                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <pre>dateTimeToString(addTime(2020/12/01 9:00, 25 *<br/>{HOUR}, "my_calendar", "2020/12/02 {;}", LOCAL),<br/>LOCAL, USER_LANG)</pre> | <p>This example returns a timestamp representing:</p> <p><b>"04/Dec/20 13:00"</b></p> <p>A day consists of 10.5 hrs according to my_calendar. Adding 25 hrs to the specified timestamp, ignoring December 2nd, results in December 4th, 1PM.</p> |

## Additional information

### Parameters used in this function

| Parameter           | Input (data type)                     | Description                                                                                                                                |
|---------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| firstDate           | <input type="text" value="NUMBER"/>   | The parameter must be valid <b>timestamp</b> . Usually this value is retrieved from a <a href="#">field</a> (e.g. due date, created date). |
| dateToSubtract      | <input type="text" value="NUMBER"/>   | The parameter must be valid <b>timestamp</b> . Usually this value is retrieved from a <a href="#">field</a> (e.g. due date, created date). |
| calendarName        | <input type="text" value="TEXT"/>     | The <b>name</b> of the used <a href="#">JWT calendar</a> .                                                                                 |
| additionalSpecifier | <input type="text" value="TEXT"/>     | A text containing an additional <a href="#">JWT calendar specification</a> .                                                               |
| timeZone            | <input type="text" value="TIMEZONE"/> | The <b>time zone</b> used for the calculation.                                                                                             |

## Output

This function returns a  representing a timestamp.

The output can be written into any Jira field of type **Date Picker** ore **Date Time Picker**.

Another very common use case is to use this function in one of the [JWT calculated date-time fields](#).



## Use cases and examples

| Use case                                                                       | JWT feature                                                                       | Workflow function                           | Field type | Automated action | Parser functions       |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|------------|------------------|------------------------|
| <a href="#">Add days skipping weekends and holidays to a Date Picker field</a> |  | <a href="#">Update or copy field values</a> |            |                  | <code>addTime()</code> |
| <a href="#">Predicted resolution date based on business hours</a>              |  |                                             | Date-time  |                  | <code>addTime()</code> |