

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

Additional information

Parameters used in this function

Parameter	Input (data type)	Description
timestamp	NUMBER	The parameter must be valid timestamp . Usually this value is retrieved from a field (e.g. due date, created date).
timeToAdd	NUMBER	Time to be added in milliseconds. Usually time macros will be used to convert to input to hours, days etc.
calendarName	TEXT	The name of the used JWT calendar .
timeZone	TIMEZONE	The time zone 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 * {HOUR}, "my_calendar", "2020/12/02 {;}", LOCAL), LOCAL, USER_LANG)</pre>	This example returns a timestamp representing: "04/Dec/20 13:00" 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.

Additional information

Parameters used in this function

Parameter	Input (data type)	Description
firstDate	NUMBER	The parameter must be valid timestamp . Usually this value is retrieved from a field (e.g. due date, created date).
dateToSubtract	NUMBER	The parameter must be valid timestamp . Usually this value is retrieved from a field (e.g. due date, created date).
calendarName	TEXT	The name of the used JWT calendar .
additionalSpecifier	TEXT	A text containing an additional JWT calendar specification .
timeZone	TIMEZONE	The time zone 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
Add days skipping weekends and holidays to a Date Picker field		Update or copy field values			<code>addTime()</code>
Predicted resolution date based on business hours			Date-time		<code>addTime()</code>