

withinCalendar()

This function checks whether, a given **timestamp** (e.g. the due date of an issue) falls into a **time frame** defined in a [JWT calendar specification](#).

Syntax

`withinCalendar(timestamp, calendarName, timeZone)` #Output: Boolean

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>withinCalendar(2020/12/01 8:00, "my_calendar", LOCAL)</code>	This example returns: true December 1st of 2020 is a Tuesday.
<code>withinCalendar(2020/12/01 17:00, "my_calendar", LOCAL)</code>	This example returns: false December 1st of 2020 is a Tuesday.

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).
calendarName	TEXT	The name of the used JWT calendar .
timeZone	TIMEZONE	The time zone used for the calculation.

Output

This function returns a BOOLEAN

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

Syntax

```
withinCalendar(timestamp, calendarName, additionalSpecifier, timeZone) #Output: Boolean
```

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>withinCalendar(2020/12/04 9:00, "my_calendar", "2020/12/04 {;}", LOCAL)</pre>	This example returns: false The additional specifier {;} excludes December 4th from the calendar.

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).
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 BOOLEAN

This function is usually used in a validators or the conditional execution parameter of post functions.



Use cases and examples

Use case	JWT feature	Workflow function	Field type	Automated action	Parser functions
Prevent setting due dates outside business hours		Logical validator Logical condition			withinCalendar()
Add comment when creating issues outside of business hours		Add comment			withinCalendar()