

stringToDate()

This function converts a **text** with a certain format into a **timestamp**.

Syntax

stringToDate(text, timeZone) #Output: Number

Examples

Parser Expression	Description
stringToDate(%{issue.cf10002}, LOCAL)	This example will convert a text containing date information into a valid timestamp.

Additional information

Parameters used in this function

Parameter	Input (data type)	Description
text	TEXT	The parameter must contain data in a specific format. Usually this value is retrieved from a field. Valid input string formats are: • yyyy/MM/dd HH:mm • yyyy-MM-dd HH:mm • yyyy/MM/dd, yyyy-MM-dd, Also formats relative to the current time like in JQL queries: "w" (weeks), "d" (days), "h" (hours) or "m" (minutes), or formats defined at system property <code>jira.date.time.picker.java.format</code> are valid.
timeZone	TIMEZONE	The time zone used for the calculation.

Days might depend on the **time zone** - it might be Sunday on the west coast of the US while at the same time it's already Monday in Australia.

Output

This function returns a

NUMBER

Variant where you can manually **define the date-time pattern**. [Read more about date-time patterns](#).

Syntax

```
stringToDate(text, dateTimePattern ) #Output: Number
```

Examples

Parser expression	Description
<pre>stringToDate("2020.03.25 at 11:30:00", "yyyy.MM.dd 'at' HH:mm:ss")</pre>	This example returns a timestamp representing a date-time value.

Additional information

Parameters used in this function

Parameter	Input (data type)	Description
text	TEXT	The parameter must contain data in a specific format. Usually this value is retrieved from a field .
dateTimePattern	TEXT	Manually defined date-time pattern. Read more about date-time patterns .

Output

This function returns a

Variant where you can additionally define a **language** and a **country**.

Syntax

```
stringToDate(text, dateTimePattern, language, country ) #Output: Number
```

Examples

Parser expression	Description
<pre>stringToDate("Dec 7, 2020 2:10:25 AM PST", "MMM d, yyyy h:mm:ss a z", "eng", "US")</pre>	This example returns a timestamp based on the parameters provided.

Additional information

Parameters used in this function

Parameter	Input (data type)	Description
text	TEXT	The parameter must contain data in a specific format. Usually this value is retrieved from a field .
dateTimePattern	TEXT	Manually defined date-time pattern. Read more about date-time patterns .
language	TEXT	Define the language for the conversion. Valid input parameters can be found here: ISO 639-2
country	TEXT	Define the country for the conversion. Valid input parameters can be found here: ISO 3166 alpha-2

Output

This function returns a

This function is mostly used when you want to write the output into a Jira date-time picker.

If you want to convert a **date** into a **text** you might want to have a look at the function [dateToString\(\)](#).



Use cases and examples

Use case	JWT feature	Workflow function	Field type	Automated action	Parser functions
Validation based on the value of a date type project property		Logical validator Logical condition			stringToDate() projectProperty()
Log absence time on another issue		Log work			stringToDate()