

# stringToDate()

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

### Syntax

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

### Examples

Parser Expression	Description
<pre>stringToDate(%{issue.cf10002}, LOCAL)</pre>	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	<div>TEXT</div>	<p>The parameter must contain data in a specific format. Usually this value is retrieved from a <a href="#">field</a>.</p> <div><p>Valid input string formats are:</p><ul style="list-style-type: none"><li>• <code>yyyy/MM/dd HH:mm</code></li><li>• <code>yyyy-MM-dd HH:mm</code></li><li>• <code>yyyy/MM/dd, yyyy-MM-dd,</code></li></ul><p>Also formats relative to the current time like in JQL queries: <code>"w"</code> (weeks), <code>"d"</code> (days), <code>"h"</code> (hours) or <code>"m"</code> (minutes), or formats defined at system property <code>jira.date.time.picker.java.format</code> are valid.</p></div>
timeZone	<div>TIMEZONE</div>	The <b>time zone</b> 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	<input type="text" value="TEXT"/>	The parameter must contain data in a specific format. Usually this value is retrieved from a <a href="#">field</a> .
dateTimePattern	<input type="text" value="TEXT"/>	Manually defined date-time pattern. <a href="#">Read more about date-time patterns</a> .

## 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 <a href="#">field</a> .
dateTimePattern	TEXT	Manually defined date-time pattern. <a href="#">Read more about date-time patterns</a> .
language	TEXT	Define the language for the conversion. Valid input parameters can be found here: <a href="#">ISO 639-2</a>
country	TEXT	Define the country for the conversion. Valid input parameters can be found here: <a href="#">ISO 3166 alpha-2</a>

## Output

This function returns a NUMBER

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
<a href="#">Validation based on the value of a date type project property</a>		<a href="#">Logical validator</a> <a href="#">Logical condition</a>			<a href="#">stringToDate()</a> <a href="#">projectProperty()</a>
<a href="#">Log absence time on another issue</a>		<a href="#">Log work</a>			<a href="#">stringToDate()</a>