

# Texts

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## JWT is a text specialist!

Texts can be provided as **fixed values** - or **literals** - in the format described in the table below or they can be retrieved by using **field codes**.

## Fixed values

Texts can be added to any expression as fixed values. How texts are being interpreted depend on the [Parsing modes](#). Usually texts are enclosed by quotes "".

Input	Description	Example
Valid <b>text</b> values	A simple text can be added enclosed by quotes unless you are using the <a href="#">Basic text mode</a> . In this case you <b>do not</b> need quotes.	<pre>"This is a text."</pre>
<b>Concatenated</b> text values	You can concatenate texts with the + operator. This is useful when text fragments are separated by field codes or parser functions.	<pre>"This is" + " a text." #the result is the same as above "This is a text."  "This must be done by" + %{issue. dueDate} + ". Thank you!"</pre>
<b>Escape character \</b>	This character can precede any of the following characters: ", \, n, r, t, f and b in order to invoke an alternative interpretation.	<pre>"The man said: \"Hello!\".\" #the result would be The man said: "Hello!"</pre>

## Variable values (field values)

Text values of  [data type](#) fields can be inserted in any expression as text field codes using the following notation `%{...somefield}` - e.g `%{issue.summary}`.

**Any** field type or data type can be transformed to **text**, so **any field** can be referenced as a **text-string value** using the following notation: `%{issue.somefield}`.

If a field has **no** value ( `null` ), an **empty text** will be returned.

**Cascading Select** fields are treated as text fields, where `i` is the index that represents the level to be accessed. ( `i = 0` is used for base level) are notated as `%{issue.somefield.i}`

## Available functions



Function	Short description	Output
capitalizeWords()	Capitalizes a text, only updating the <b>first letters</b> .	TEXT
capitalizeWordsFully()	<b>Capitalizes</b> an <b>entire</b> text.	TEXT
escapeHTML()	Replaces <b>special characters</b> with <b>HTML</b> entities.	TEXT
findModify()	Replaces specific <b>substrings</b> matching a given <b>regular expression</b> .	TEXT
findPattern()	Returns all <b>substrings</b> matching a given <b>regular expression</b> .	TEXT LIST
findPatternIgnoreCase()	Returns all <b>substrings</b> matching a given <b>regular expression, ignoring the case</b> .	TEXT LIST
findReplaceAll()	<b>Replaces all occurrences</b> of a given substring with the given replacement.	TEXT
findReplaceAllIgnoreCase() ( )	<b>Replaces all occurrences</b> of a given substring with a given replacement, <b>ignoring the case</b> .	TEXT
findReplaceFirst()	<b>Replaces the first occurrence</b> of a given substring with the given replacement.	TEXT
findReplaceFirstIgnoreCa se()	<b>Replaces the first occurrence</b> of a given substring with the given replacement, <b>ignoring the case</b> .	TEXT
getFromJSON()	Returns the result of a given JMESPath which is applied to a JSON	TEXT
htmlToTxt()	Removes all <b>HTML tags</b> .	TEXT
issueSecurityLevel()	Returns the <b>name</b> of the <b>issue security level</b> with a given <b>ID</b> .	TEXT
issueType()	Returns the <b>name</b> of the <b>issue type</b> with a given <b>ID</b>	TEXT
length()	Returns the <b>length</b> any given text.	NUMBER
matches()	Checks, if the given <b>text matches</b> the provided <b>regular expression</b> .	BOOLEAN
option()	Returns the <b>name</b> of a custom field option.	TEXT
priority()	Returns the <b>name</b> of the <b>priority</b> with a given <b>ID</b> .	TEXT
project()	Returns the <b>name</b> of the <b>project</b> with a given <b>ID</b> .	TEXT
replaceAll()	Replaces all substrings matching a <b>regular expression</b> with a given <b>replacement</b> .	TEXT
replaceFirst()	Replaces the <b>first substring</b> matching a given <b>regular expression</b> with a given replacement.	TEXT
resolution()	Returns the <b>name</b> of the <b>resolution</b> with a given <b>ID</b> .	TEXT
similarity()	Calculates the <b>similarity</b> between two texts.	NUMBER
status()	Returns a <b>status name</b> .	TEXT
substring()	Returns a <b>specific part</b> of a text.	TEXT
toLowerCase()	Converts a given <b>text</b> with all its characters <b>lower case</b> .	TEXT

<code>toUpperCase()</code>	Converts a given <b>text</b> with all characters to <b>upper case</b> .	TEXT
<code>trim()</code>	Removes <b>leading and trailing blanks</b> (white spaces and tabs) from a text.	TEXT
<code>unescapeHTML()</code>	Replaces <b>HTML escapes</b> with their corresponding <b>Unicode</b> characters.	TEXT
<code>wikiToHTML()</code>	Converts rich text <b>wiki</b> content to <b>HTML</b> .	TEXT

If you still have questions, feel free to refer to our [support](#) team.