

Parsing modes

A **parsing mode** determines **how** the JWT expression parser interprets an expression.

The **available** parsing modes depend on the **context** you are using the expression in. As an example, only the **Logical mode** is available if you configure a **conditional execution** in a workflow post function or that you can only use the **Numeric mode** if you want to set a number field using a parser expression.



Available parsing modes

Mode	Icon	Short description	Supported elements	Output
JQL mode		Define a target selection of issues to be created or updated using an advanced JQL query .	Field codes JWT expression parser functions	ISSUE LIST
Basic text mode		Compose free text and optionally use field codes to be replaced with values at runtime.	Field codes	TEXT
Mixed mode		Compose free text and optionally use field codes and JWT expression parser functions between three curly braces.	Field codes JWT expression parser functions	TEXT
Logical mode		Compose logical expressions using field codes and JWT expression parser functions .	Field codes JWT expression parser functions	BOOLEAN
Numeric mode		Calculate numeric values or set numeric issue fields .	Field codes JWT expression parser functions	TEXT
Text list mode		Define a list of text elements to create multiple issues based on each list element.	Field codes JWT expression parser functions	TEXT
Issue list mode		Define a target selection of issues to be created or updated as an issue list .	Field codes JWT expression parser functions	ISSUE LIST



Most functions will accept **text** values so casting values to text is a very **powerful function**.

Additionally, you can directly transform a field value to text using the following syntax: **%{...somefield}**

You can write your text in **basic text mode**, and then switch to **advanced text mode** using **Automatic parsing mode converter**.

The text to be parsed will be automatically rewritten as a text expression. Now, you can simply make the modifications you require, making use of text formatting functions, or inserting math or time expressions where needed.

To update issue fields the parsing result will be cast to the expected value e.g. a user name will be cast to a user to update a user field like the assignee field.

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