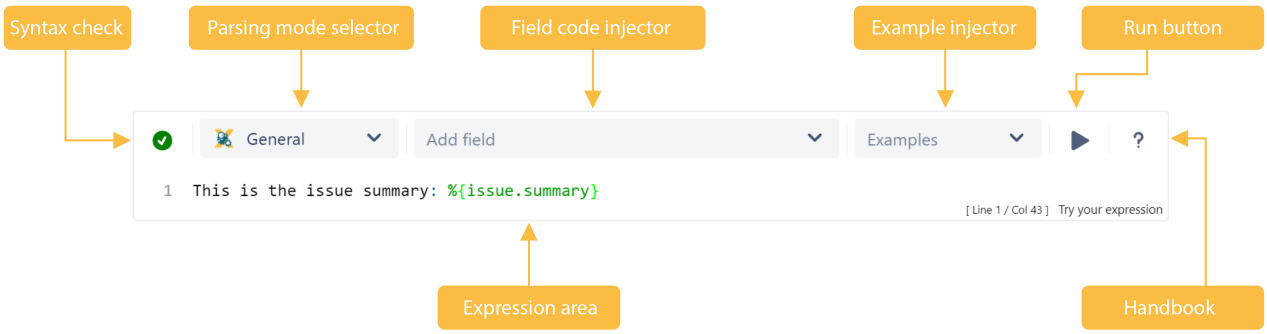
JWT expression editor

The **JWT for Jira Cloud expression parser** provides **a huge set of functionalities** to **read and manipulate data** from **Jira issues**, **users**, **projects** and **more**.

The main point of contact with the expression parser for the end user is the **JWT expression editor**.

Depending on what you are doing, you will be presented with different options and functionalities, but in the end it always comes down to **writing an expression**, which will be evaluated on runtime.



Syntax check

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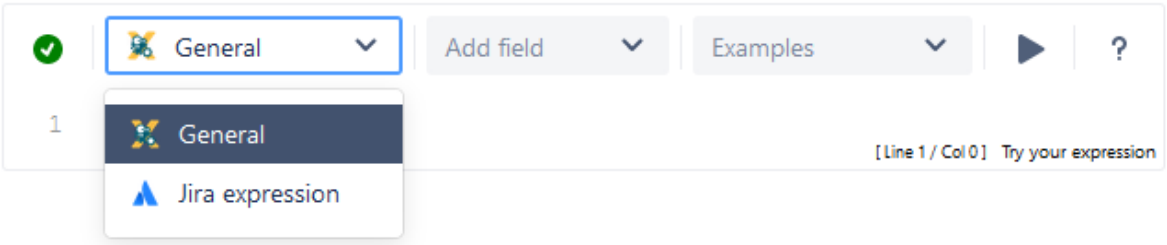
1. As you type in your expression the syntax check button is synchronized with your expression and you can see if your expression is valid or not.
2. Click on the **syntax check** button to review your expression.

Output	Description
	Valid expression: The parser expression entered is valid.
	Parsing error: The parser expression entered is not valid and you can do the following to fix the issue: • Check your selected Parsing mode • Try an example configuration from the right hand side of the configuration interface

Parsing mode selector

A **parsing mode** determines **how** the JWT for Jira Cloud expression parser interprets an expression. The **available** parsing modes depend on the **context** in which you use the expression.



Read more about all available parsing modes.

Field code injector

The field code injector is a **dynamic select list** that lists all available field codes. The fields, or their values, will be be replaced with actual values at **runtime**.

The available fields and their notation depend on the selected Parsing mode. Custom fields are shown if they are defined for a global context or if the "Jira Workflow Toolbox Cloud" user has browse permissions for the respective project.

Learn more about field codes!

JWT expressions	Jira expressions
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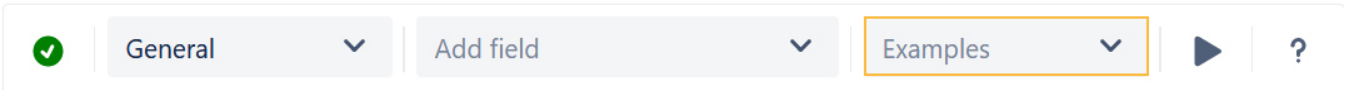
A few basic examples

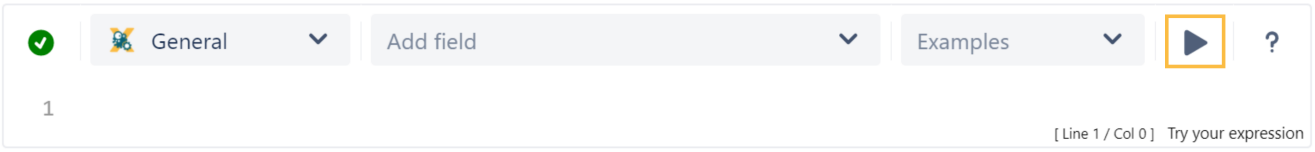
Field name	Field code (JWT expression)	Field code (Jira expressions)
Summary	`%{issue.summary}`	`issue.summary`
Description	`%{issue.description}`	`issue.description`
Assignee	`%{issue.assignee}`	`issue.assignee.accountId`
Reporter	`%{parent.reporter}`	`issue.parent.reporter.accountId`

Example injector



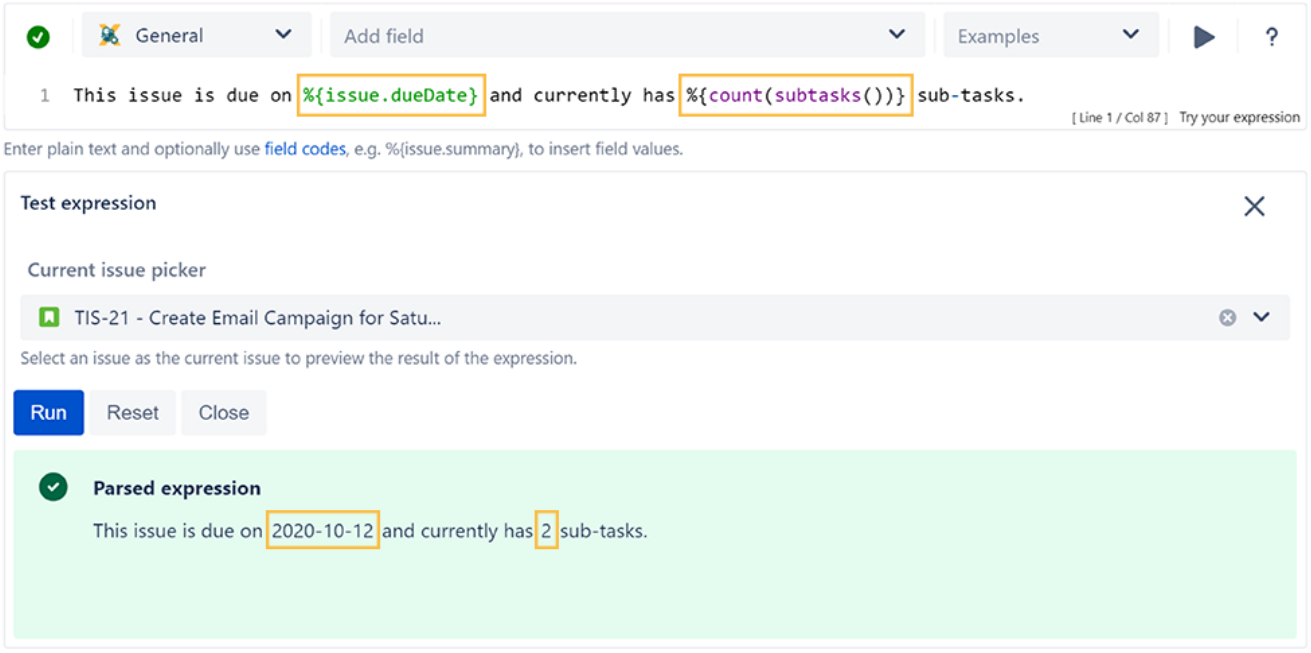
Need inspiration? Each parsing mode comes with **built-in example expressions**. If you choose an example from the dropdown menu, the expression will be automatically added to the **editing area** of the expression editor.

Run button



By clicking on the run button, a test expression panel is displayed under your expression. To test your expression, do the following:

1. Select an **issue** as the current issue
2. Click on **Run**



The result of the expression is displayed. For more detailed test scenarios, please have a look at: Test your expression.

Handbook

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Help is just a click away. If you click on the Help button, an **in-line handbook** will pop up, which provides information about almost any feature of JWT for Jira Cloud - from field codes, to Parsing modes and JWT expression parser functions. In case you have selected the Jira expression mode, the documentation will be opened in a new browser window.

Expression area

This is where you can enter a plain text and optionally use Field codes and functions belonging to the selected parsing mode.

Which options you will actually have depend on the selected Parsing mode.

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Auto-complete

Tech tip: Auto-complete

The expression editor comes with a built-in **auto-complete feature.**

Simply press **<CTRL> + <space>** and get a searchable list of JWT expression parser functions and available field codes.

Highlighting makes it easy to recognize essential parts of the expression.

If you still have questions, feel free to refer to our support team.