Test your expression

On this page

There are **two ways** to test expressions:

- the **Expression parser test page** (introduced with JWT 2.4.0)
- the built-in **expression preview** in the **JWT expression editor** (introduced with JWT 3.0.0)

The main purpose is always the same: get a preview of the outcome of an expression in order to deploy your configuration with confidence and without having to troubleshoot afterward.

The expression editor

When you want to test an expression directly in a JWT **workflow function** or **calculated field** configuration, you can instantly **test** and **preview** the **results** of in the **JWT expression editor**.

The expression parser test page

The **Expression parser test page** is located **centrally** in the Jira administration: **Add-ons** **Jira Workflow Toolbox** **Expression parser test page.**

You want to test a logical expression or calculate a date? You simply want to know which **values** are currently stored in different issues? On the expression parser test page you can test **all kinds** of expressions since all Parsing modes are available.

Try adding a **field code** and play around with the different Parsing modes to preview the output!

5 steps to test your expression

1

Type in your **expression** or select one of the built-in **examples**.

The Expression parser test page does **not** support all field codes. Field codes for transitional fields e.g. **Transition comment**, or the temporary fields are not supported.

2

Click on the **Run** button  .

3

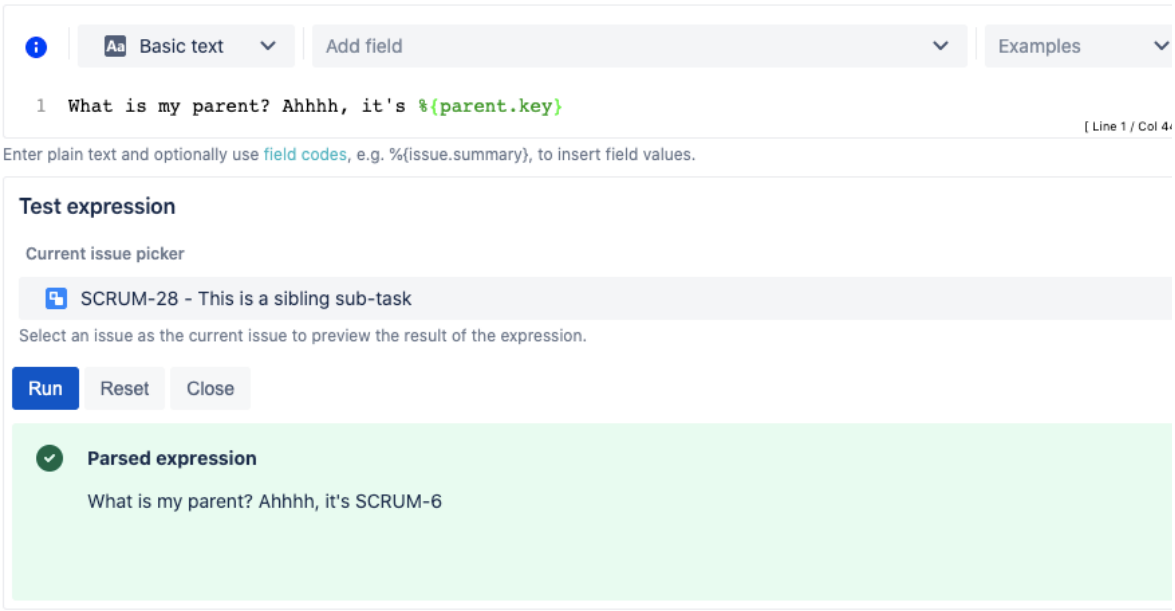
Select an issue you want to test your expression with.

4

Confirm your selection by clicking on **Run.**

5

Check the **resulting output** or **analyze potential errors**.



Syntax check

Before running your expression against a certain issue, it's recommended to check if the syntax is correct.

The **syntax check** button indicates, if the current expression in the input field is syntactically correct or not. The background check runs at least **one second after the last input**, but you can also click the **Syntax button** for enforce a check immediately.

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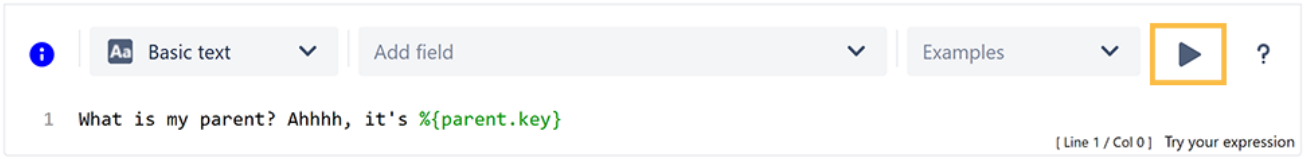
The run button



By clicking the **Run** button, a test expression panel is displayed below your expression. To test your expression, do the following:

1. Select an **issue** that you want to test your expression with (as the current issue)
2. Click **Run** again

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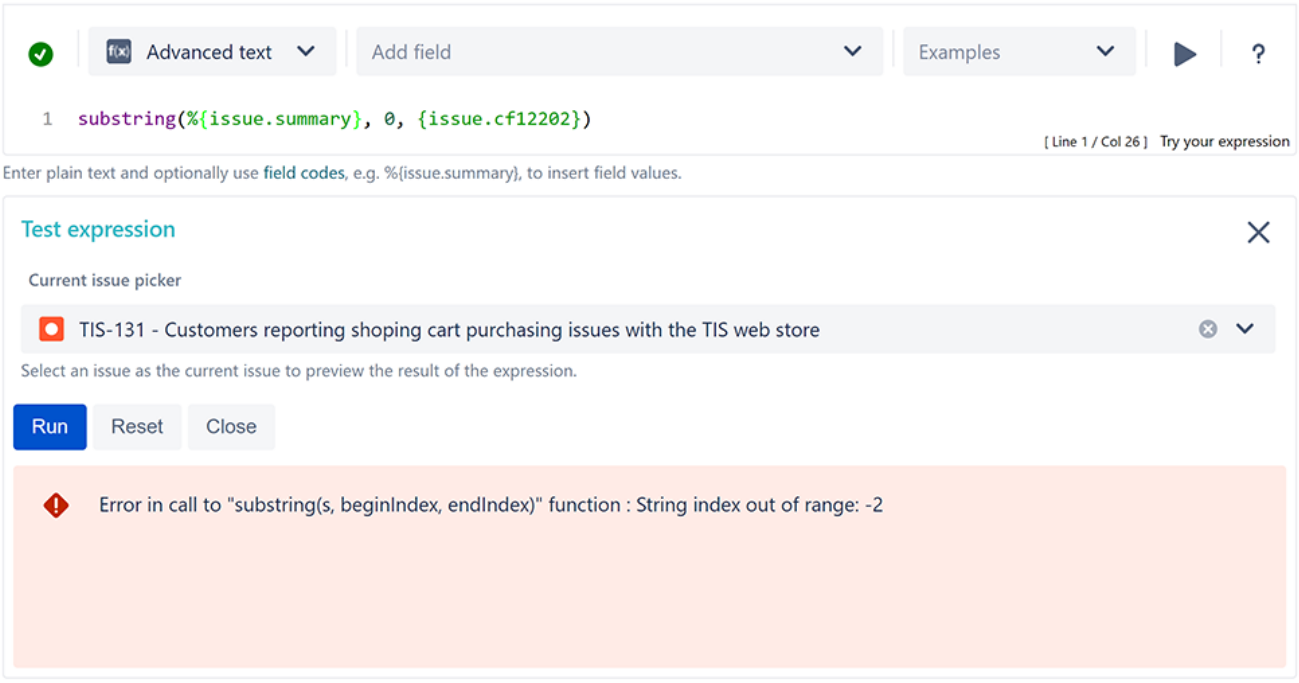
Error messages

Even if the syntax of the expression is correct, it may happen that the expression **result** is **erroneous**, e.g. when fields are empty.

In the example below, the **value** of the custom number field with id **12202** is returning a value which is not a valid parameter for the function substring().



Output of different data types

When using the JWT expression editor, the expressions can return different values and types.

Besides the expression entered, the selected parsing mode is mainly responsible for the returned value (and its type):

- Basic text mode
- Advanced text mode
- Logical mode
- Numeric mode
- Text list mode
- Issue list mode
- JQL mode
- Mixed mode

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