

Test your expression

We **highly recommended** to test your expression before publishing the workflow.

5 steps to test your expression

1

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

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 the errors**.

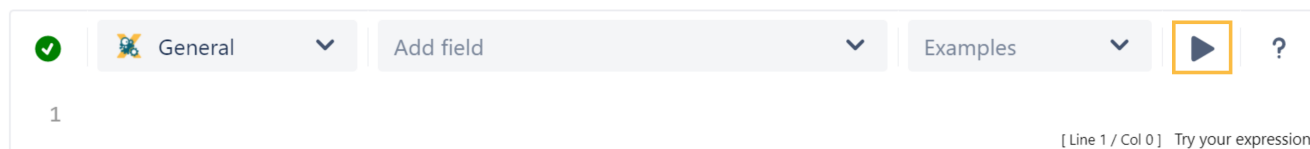
Syntax check

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

The **syntax check** button shows 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 push the **Syntax button** for instant results.

Your browser does not support the HTML5 video element

The 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** that you want to test your expression with (as the current issue).
2. Click on **Run**

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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** "cf10041" is returning a value which is not valid parameter for the function [substring\(\)](#).

✓

General

Add field

Examples

▶

?

1 `%{substring(%{issue.summary},0,{issue.cf10041})}`

[Line 1 / Col 48] Try your expression

Enter plain text and optionally use [field codes](#), e.g. `%{issue.summary}`, to insert field values.

Test expression

✕

Current issue picker

✓

PRJ-61 - Bug in delivery chain

✕

▼

Select an issue as the current issue to preview the result of the expression.

Run

Reset

Close

⚠

Parsed expression

Error in call to 'substring(s, beginIndex, endIndex)' function : String index out of range: -5

Output of different data types

Depending on the [Parsing modes](#) and the expression itself, different [Data types](#) are being returned as a result of the expression.

General mode

Expressions written in the [General mode](#) will return texts.

General

Add field

Examples

▶

?

```
1 There are %{count(subtasks(issuesFromJQL("project in (TIS)")))}
2 sub-tasks within the project %{issue.project}:
3 %{subtasks(issuesFromJQL("project in (TIS)"))}
```

[Line 3 / Col 41] Try your expression

Enter plain text and optionally use [field codes](#), e.g. `%{issue.summary}`, to insert field values.

Test expression

✕

Current issue picker

TIS-21 - Create Email Campaign for Satu...

✕

▼

Select an issue as the current issue to preview the result of the expression.

Run

Reset

Close

✓

Parsed expression

There are 2
sub-tasks within the project TIS:
TIS-137,TIS-136

Logical mode

Expressions written in the [Logical mode](#) will return a boolean value of `true` or `false`.

Logical

Add field

Examples

▶

?

```
1 %{issue.assignee} = %{issue.reporter}
```

[Line 1 / Col 37] Try your expression

The post function will only be executed if the condition is met.

Test expression

✕

Current issue picker

TIS-21 - Create Email Campaign for Satu...

✕

▼

Select an issue as the current issue to preview the result of the expression.

Run

Reset

Close

✓

Parsed expression

true

Jira expression mode

Expressions written in the [Jira expression mode](#) will return **objects** based on [Data types \(Jira expressions\)](#).

✓

Jira expression ▾

Add field ▾

Examples ▾

▶

?

1 `issue.reporter`

[Line 1 / Col 14] Try your expression

Enter plain text and optionally use [field codes](#), e.g. `issue.summary`, to insert field values.

Test expression

✕

Current issue picker

TIS-21 - Create Email Campaign for Satu...

✕ ▾

Select an issue as the current issue to preview the result of the expression.

Run

Reset

Close

✓

Parsed expression

{
 "self": "https://xappsbydecadis.atlassian.net/rest/api/2/user?accountId=5c99cbe5966d24637010dfc9",
 "accountId": "5c99cbe5966d24637010dfc9",
}

Testing a complex expression

When composing complex expressions, e.g. in [Logical mode](#) or the [Jira expression mode](#), where you compare values we recommended to:

- 1 Create **individual expressions** for the operands of the comparison.
- 2 **Test** each expression **separately** within the selected [Parsing modes](#).
- 3 **Merge** the individual expressions and test the complete expression

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