

## Performance settings

JWT is a **powerful tool** that can handle a lot of your Jira data! However, on large instances, JWT can have an impact on the overall **performance**, especially when performing complex or unoptimized calculations.


To stay on top of Jira's performance, you can **easily restrict JWT's CPU and memory usage!**

**SINCE 3.1.4**

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## Performance settings

Performance settings help to improve the stability and performance of your instance. You can set your own settings to control the performance of *JWT*. [Learn more](#)

### Maximum execution time

Automation rules	<div><div></div></div>	10 s		
Calculated fields	<div><div></div></div>	10 s		
JQL functions	<div><div></div></div>	30 s		
Workflow functions	<div><div></div></div>	10 s		

### Memory Usage

Maximum number of issues used in expression parser functions \*

50000

### JQL functions

Maximum number of issues returned by JQL subqueries \*

10000

Restore defaults

Save

## Maximum execution time

You can define the maximum execution time of each JWT area **individually**.

All values are in **seconds**. If a calculation takes longer as the specified value, the below written rules will apply.

You can also **disable** the execution limit for each part. If you do so, you might experience **performance issues!** ⚠️ It is therefore not recommended to turn off the execution limits!

Area	Default value	Configuration
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<b>Automation rules</b>	10s	<p>If the underlying calculation for a rule</p> <ul style="list-style-type: none"> <li>takes <b>longer than the defined value</b> or</li> <li>has reached the <b>memory usage</b> (see below)</li> </ul> <p>it will <b>abort the whole calculation</b> without returning a result and an <b>error</b> will be thrown. Information about the error will be written to the Jira log.</p>
<b>Calculated fields</b>	10s	<p>If the underlying calculation for a field</p> <ul style="list-style-type: none"> <li>takes <b>longer than the defined value</b> or</li> <li>has reached the <b>memory usage</b> (see below)</li> </ul> <p>it will <b>abort the whole calculation</b> without returning a result and an <b>error</b> will be thrown. Information about the error will be written to the Jira log.</p>
<b>JQL functions</b>	10s	<p>If the underlying calculation for a JQL function</p> <ul style="list-style-type: none"> <li>takes <b>longer than the defined value</b> or</li> <li>has reached the <b>memory usage</b> (see below) <b>or</b></li> <li>has reached the subquery limit (see below)</li> </ul> <p>it will <b>abort the calculation. Only issues calculated at this point will be returned.</b></p> <p>In addition, an error will be displayed in the issue navigator. Information about the error will be written to the Jira log.</p>
<b>Workflow functions</b>	10s	<p>If the underlying calculation for a workflow function (condition, validator, post function)</p> <ul style="list-style-type: none"> <li>takes <b>longer than the defined value</b> or</li> <li>has reached the <b>memory usage</b> (see below)</li> </ul> <p>it will <b>abort the whole calculation</b> without returning a result and an <b>error</b> will be thrown. Information about the error will be written to the Jira log.</p>

## Memory usage

In addition to time limits, you can define the **number of issues** that should be processed in a single calculation.

### Memory usage

In order to save resources, you can set a limit for **issues to be processed in a single parser function**.

The default value is **50.000**.

### JQL functions

Used for [JWT JQL functions](#) where you can define a JQL subquery, such as:

- [linkedTo\(\)](#)
- [issueSelection\(\)](#)

Setting a limit will **only limit the number of issues returned by the subquery**, not by entire JQL function itself.

The default value is **1.000**.

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