

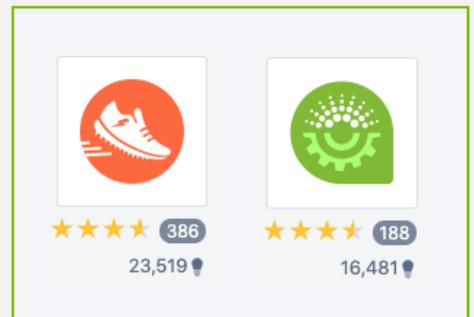
# ScriptRunner vs. Jira Misc Workflow Extensions (JMWE)

## Choosing the best app for your Jira needs

ScriptRunner for Jira (by Adaptavist) and Jira Misc Workflow Extensions (JMWE, by Innovalog) are the two top-selling apps in *Admin tools* and *Workflow* categories for Jira Server and Data Center, with 23K+ and 16K+ installations respectively.\*

Here, we explain the main differences between ScriptRunner and JMWE (and why so many companies rely on both).

\*As of July 2019



*“Almost anything you can do by creating your own plugin, you can do with ScriptRunner. But it does give you the power to do dangerous things, so beware.”*

*- Peter-Dave Sheehan*



### ScriptRunner

#### Purpose: for Groovy scripting in Jira

ScriptRunner by Adaptavist provides a much-loved scripting environment for Jira. The product was built to allow companies to extend and manage Jira environments and it is probably the most comprehensive product on the market designed for coding aficionados. You can administer your Jira instance, extend reporting capabilities, enhance workflows and custom fields, and do so much more.

If you are inclined to master the Groovy scripting language and learn about all the intricacies of the Jira Java API, then you can pretty much do everything in ScriptRunner (just like writing your own app for Jira). Note that scripting knowledge is a must, however many sample and built-in scripts, as well as paid training, are available to help you get started.

*“Very useful for a quick and powerful Jira advanced workflows development!”*  
- Pavels Avens



## Jira Misc Workflow Extensions (JMWE)

**Purpose: for building/automating workflows in Jira**

Jira Misc Workflow Extensions (JMWE) by Innovalog, on the other hand, provides specific functionality to easily customize your workflows -- and **only your workflows**. It offers numerous configurable point-and-click Conditions, Validators, and Post-functions. It also supports more advanced features through easy yet powerful Groovy scripting, but *on top* of the point-and-click configuration, *not instead of it*.

If you know how to code with Groovy and the Jira API, no doubt that everything that you can do with JMWE, you can do with ScriptRunner. However, there are multiple reasons why one prefers using JMWE, and why so many customers rely on this powerful app:

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### 1. QUICK TO CONFIGURE

**You can quickly configure workflows using no-code point-and-click features.**

Customize your workflows with sophisticated features without writing a single line of code. Tons of configurable JMWE workflow extensions are available right within Jira's list of post-functions, conditions, and validators. If you have other Jira Admins in your company that are not expert coders, they can quickly and easily deploy workflows using JMWE.

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### 2. EASY TO EXTEND

**You can also extend all point-and-click features with Groovy - it is very easy to do with the JMWE's editor and tester.**

Customize beyond the standard JMWE features using simple Groovy scripting. The editor offers a simplified API that hides the complexity of the Jira API. Also, instead of writing the whole workflow extension yourself, you just customize JMWE with snippets of Groovy code. For example, if you want to transition all linked issues and provide, for one of the transition screen fields, a calculated value, you will just need to write the code that calculates that value (usually just a one to two lines), and not all the code that iterates over the right linked issues, then prepares the transition, validates it, executes it, etc., which requires at least a hundred lines of code.

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### 3. EASY TO MAINTAIN

**Workflows will be very easy for you - and other Jira Admins - to maintain.**

Anyone who wants to re-use or edit JMWE workflow configurations can easily understand what they do, without getting lost in lines and lines of code. Also, if you do write some Groovy code using our API, you won't need to re-write/update all your scripts when the Jira API changes during a new major Jira release (Atlassian makes breaking changes to their Java APIs with every major release). Our simplified API will shield you from these changes.

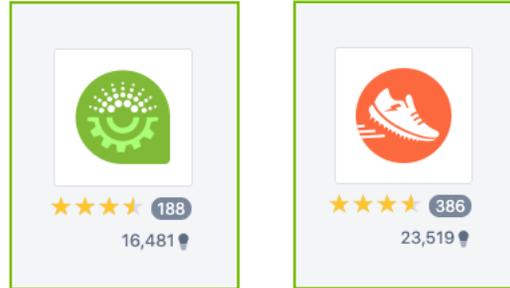
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### 4. CHEAPER

**And finally, JMWE is significantly cheaper than ScriptRunner.**

Having said that, many Jira Admins actually use both JMWE and ScriptRunner, just not for the same things - Adaptavist ScriptRunner provides sophisticated scripting options for many admin functions, while JMWE allows you to quickly and simply configure workflows.

**Learn more about the apps on the Atlassian Marketplace:**



Also, visit [innovalog.com/jmwe](https://innovalog.com/jmwe) to explore all Jira Misc Workflow Extensions (JMWE) features and [scriptrunner.adaptavist.com](https://scriptrunner.adaptavist.com) to learn more about ScriptRunner.



This overview was prepared by [Innovalog](https://innovalog.com), the maker of [Jira Misc Workflow Extensions](https://innovalog.com/jmwe). If you have any comments or find any inconsistencies, please write to [jmwe@innovalog.com](mailto:jmwe@innovalog.com).