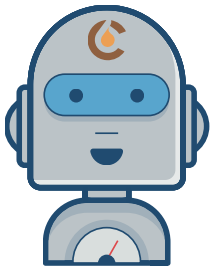
Automation for JIRA



CodeBarrel
codebarrel.io

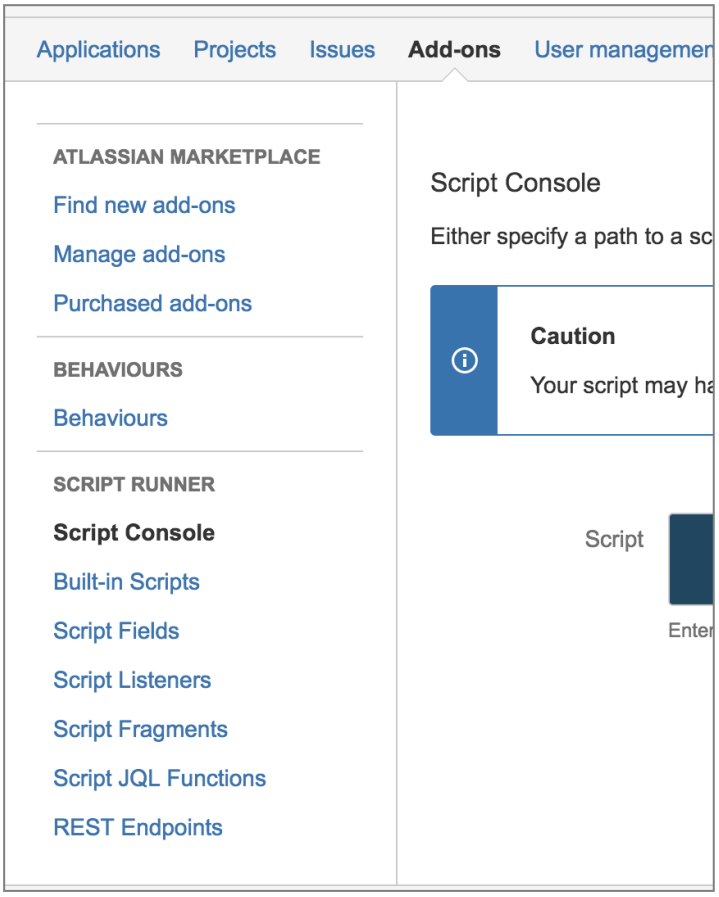
ScriptRunner comparison

While operating in the same problem space, ScriptRunner and Automation for JIRA are targeted at different segments of users. ScriptRunner requires that their users are global system admins with in-depth scripting and JIRA API knowledge to get value from the product. Automation for JIRA takes a very different approach and makes automation available to any project admin through a simple point and click user interface that can be configured in seconds.

ScriptRunner currently does provide more functionality than Automation for JIRA, however the tradeoffs are complexity, security, maintainability and reliance on global administrators to write scripts. Automation for JIRA aims to cover the vast majority of use cases, while providing a secure and simple way for project admins to configure automation rules themselves!

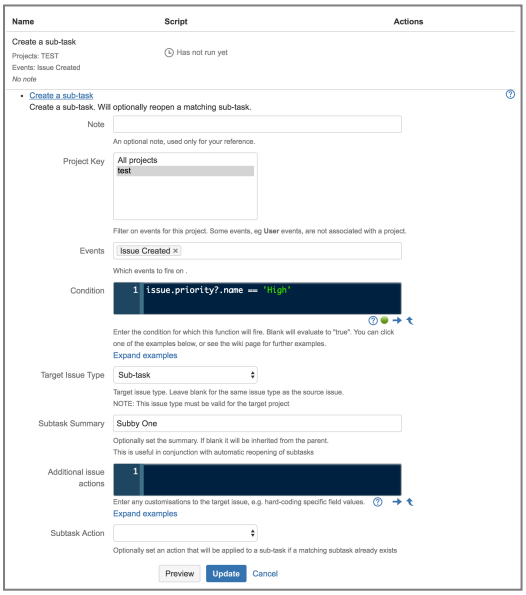
Product Overview

ScriptRunner can be quite overwhelming to begin with. Its admin section contains a lot of sections that Automation for JIRA combines into one project admin section:



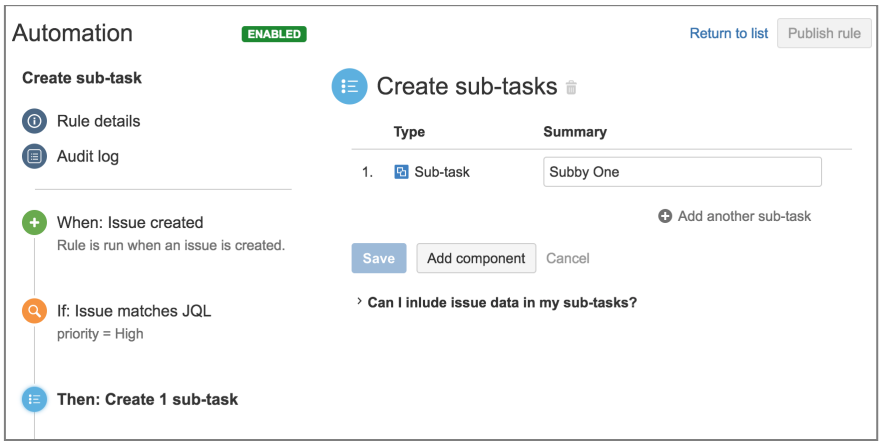
Getting started is difficult. You need to know how to write Groovy scripts and you need to know JIRA's API internals to write these Groovy scripts.

There are some provided built-in listeners and functions, but their configuration is complex. Here's a comparison of creating sub-tasks:



ScriptRunner

VS



Automation for JIRA

Detailed Comparison

	Automation for JIRA	ScriptRunner
Link	Marketplace	Marketplace
Author	Code Barrel	Adaptavist
Active Development	Yes	Yes
Supported use-cases	Majority common use-cases	Unlimited
Project Types Supported	All	All
Cloud & Server	Yes	Yes - Though largely a different product with major differences in functionality (see scriptrunner cloud documentation for details)
Project Admins can create rules	Yes	No
Secure	Yes	No - people writing scripts have access to everything - all data and even the underlying system.
Resource Protection	Yes	No - scripts can cause CPU, memory and IO issues
Solution Templates	9	16 built-in scripts
Modern Design	Yes	No
Rule Components	30+	None - requires scripting
Define rule actor	Per Rule	Per script (as defined in the script)
Scheduled Rules	Yes	Yes (difficult to configure via JIRA's global services - scriptrunner services)
Smart Values	Yes	Yes (requires custom scripting)
Regex Comparisons	Yes	Yes (requires custom scripting)
Advanced Issue Fields	Yes	Yes (requires custom scripting)
Slack Integrations	Yes	Yes (requires custom scripting)
Twilio Integrations	Yes	Yes (requires custom scripting)
Incoming WebHooks	Yes	Yes (REST Endpoints)
Outgoing WebHooks	Yes	Yes (requires custom scripting)
Cloud Migration Path	Yes	Yes* (scripts will be very different for Cloud vs Server and only a subset of API available)
Audit Logs	Rule & Project	Per script (listeners)