



Improving developer experience with Better DevOps Automation for Jira

Control your DevOps workflow with no-code DevOps automation rules all managed in Jira



About Midori



Experience

10+ years in the Atlassian Ecosystem

Gold Marketplace Partner

Reliable maintenance, guaranteed support and top-notch docs

Powering 7000+ customers

Apple, Pfizer, Salesforce, Oracle, SAP, SONY, etc.

What is Better DevOps Automation for Jira?



No-code, low-code DevOps automation

An extension for Automation for Jira, powering automated DevOps workflows for Jira Data Center (Server)

Super power for developers

Introducing Genius Commands, a new level of VCS agnostic, customizable commands for automating DevOps actions

Enterprise-ready DevOps solution

Better DevOps Automation was built prioritizing reliability and security for regulated industries



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps Automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions









Creating DevOps automation rules

Demo of Better DevOps Automation



Getting started with DevOps automation










What can it do for you?

-  If changeset is accepted 👉 Send Slack message
-  If @time command is used 👉 Log time on issue
-  If @transition command is used 👉 Transition issue
-  If @warn command is used 👉 Send SMS to team lead
-  If new branch created 👉 Send email to the team
-  If @comment command is used 👉 Comment on issue
-  If @build command is used 👉 Run Bamboo build plan
-  If tag is created 👉 Run a Jenkins build job



Getting started with DevOps automation

What can it do for you?

-  If changeset is accepted 🖱️ Run a SonarQube check
-  If changeset is accepted 🖱️ Send Zoom message to team
-  If pull request is accepted 🖱️ Send Slack message to approver
-  If changeset is rejected 🖱️ Send email to team lead
-  If @status command is used 🖱️ Transition issue
-  If commit is accepted 🖱️ Send HTTP request
-  If @build command is used 🖱️ Run a Teamcity build
-  If version is released 🖱️ Order pizza
-  and many more!

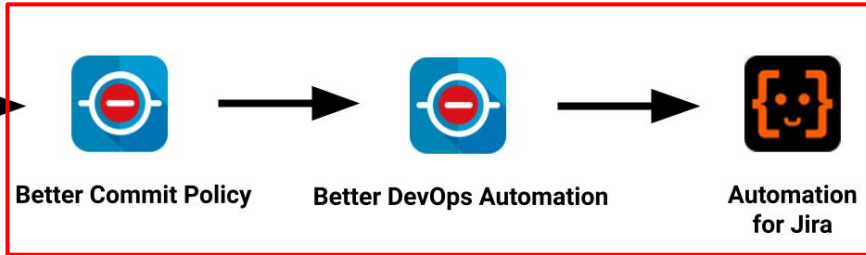


Getting started with DevOps automation

Understand the dependencies of Better DevOps Automation

Version Control System

(Git, Subversion, Mercurial, etc.)



Notifications



Jira issue operations



CI/CD tools



REST API calls



Key benefits of Better DevOps Automation

Simplifying your tech stack by managing DevOps automation workflows in Jira

- 1. Improves developer experience**
- 2. Avoids human errors and produces higher quality output**
- 3. Easy to start with and requires little technical knowledge**
- 4. One multipurpose automation app instead of many integrations**
- 5. Enterprise-ready: handles large workloads, secure and easy to audit**



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



Understanding DevOps triggers

DevOps triggers added by Better DevOps Automation to kick-start your workflow



Changeset Accepted



Changeset Rejected



Branch Created



Tag Created



Commit Created



Genius Commit Created



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



Managing Genius Commands

More advanced, flexible and powerful than Bitbucket Smart Commits

Genius Commits

Smart Commits

Unlimited commands



Customizable command names



Customizable command logic



Customizable command parameters



Commands can fire multiple actions








Managing Genius Commands

Create and manage custom @commands to use in commit messages

Genius Commands

Genius commands are parametric text pieces you can write to the Git/Subversion/Mercurial/etc. commit messages.

Name	Command	Parameter pattern	Description	Actions						
Analyze code	@analyze	(?<profile>.*)	<p>Starts a code analysis (code scan) with an optional profile. (help)</p> <p>Smart values set by the "@analyze" command:</p> <table><thead><tr><th>Name</th><th>Description</th><th>Example</th></tr></thead><tbody><tr><td>{{devops.profile}}</td><td>The name of the code analysis profile, (optional)</td><td>"vulnerabilities"</td></tr></tbody></table>	Name	Description	Example	{{devops.profile}}	The name of the code analysis profile, (optional)	"vulnerabilities"	
Name	Description	Example								
{{devops.profile}}	The name of the code analysis profile, (optional)	"vulnerabilities"								
Assign issue	@assign	(?<assignee>\S.*)	<p>Sets the assignee of the mentioned issue. (help)</p> <p>Smart values set by the "@assign" command:</p> <table><thead><tr><th>Name</th><th>Description</th><th>Example</th></tr></thead><tbody><tr><td>{{devops.assignee}}</td><td>The username of the new assignee.</td><td>"bob"</td></tr></tbody></table>	Name	Description	Example	{{devops.assignee}}	The username of the new assignee.	"bob"	
Name	Description	Example								
{{devops.assignee}}	The username of the new assignee.	"bob"								
Build	@build	(?<profile>.*)	<p>Starts a build with an optional profile (some CIs call it build plan, build configuration). (help)</p> <p>Smart values set by the "@build" command:</p> <table><thead><tr><th>Name</th><th>Description</th><th>Example</th></tr></thead><tbody><tr><td>{{devops.profile}}</td><td>The name of the build profile, (optional)</td><td>"dev"</td></tr></tbody></table>	Name	Description	Example	{{devops.profile}}	The name of the build profile, (optional)	"dev"	
Name	Description	Example								
{{devops.profile}}	The name of the build profile, (optional)	"dev"								
Call REST API	@call	(?<reqparam>.*)	<p>Sends an HTTP request with an optional request parameter to a REST API (or other web based API). (help)</p> <p>Smart values set by the "@call" command:</p> <table><thead><tr><th>Name</th><th>Description</th><th>Example</th></tr></thead><tbody><tr><td>{{devops.reqparam}}</td><td>The value of the request parameter, (optional)</td><td>"foobar"</td></tr></tbody></table>	Name	Description	Example	{{devops.reqparam}}	The value of the request parameter, (optional)	"foobar"	
Name	Description	Example								
{{devops.reqparam}}	The value of the request parameter, (optional)	"foobar"								
Comment issue	@comment	(?<comment>\S.*)	<p>Adds a comment to the mentioned issue. (help)</p>							



Managing Genius Commands

Edit your Genius Commands to fine tune their behaviour

Add genius command

Name*

Short name that makes the command easier to recognize.

Command*

The text piece to include in the commit message. Use a verb and omit the leading "@"; it will be automatically prepended. See the [Genius Commits tutorial](#).

Parameter pattern

No need for double escaping: write "a", not "\\a" - See the [Command parameters tutorial](#).

Description

Runs a Selenium Grid Test with an optional argument.
([help]https://www.midori-global.com/products/better-devops-automation-for-jira/server/documentation/)

h6. Example commit messages:

```
_"Fix the FOO-1 bug. @test"_  
_"Fix the FOO-1 bug. @test foobar"_"
```

Explain the automation started by this command, the parameters and give some examples. You can use [Jira formatting notation](#).



Managing Genius Commands

Fire DevOps automation actions with Genius Commits

Build dashboard / SpendIT app (Android)

Long Running Tests

Plan branch: master

Test with running time longer than 20 hours are grouped in this plan.

Plan summary | Branches | Recent failures | History | Tests

Plan summary

Current activity

SAALRT-10 Manual run by Robert Mongose - executing stage **Default Stage** (stage 1 of 1)
Building for 4 seconds

Recent history

✓ #9	Manual run by Robert Mongose	10000 passed
✓ #8	Manual run by Robert Mongose	10000 passed
✓ #7	Manual run by Robert Mongose	10000 passed
✓ #6	Manual run by Bob Mitchell	10000 passed
✓ #5	Manual run by Robert Mongose	10000 passed
✓ #4	Manual run by Robert Mongose	10000 passed
✓ #3	Manual run by Robert Mongose	10000 passed
✓ #2	Manual run by Robert Mongose	10000 passed
✓ #1	Manual run by Robert Mongose	10000 passed

Latest build | Last successful build

Feed for all builds or just the failed builds

```
MINGW64:/c:/Users/Levente/Documents/Midori/spendit-app
$ git status
On branch feature/SIA-205-advanced-reporting
Your branch is up to date with 'origin/feature/SIA-205-advanced-reporting'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   reporting.py
        modified:   stonk-charts.js

$ git commit -m "SIA-205 Update reporting framework to v3.4.0 @build LRT"
[feature/SIA-205-advanced-reporting 77f70cd] SIA-205 Update reporting framework to v3.4.0. @build Long Running Tests
2 files changed, 2 insertions(+), 2 deletions(-)

$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 353 bytes | 117.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote:
To C:\Users\Levente\Documents\spendit-app
ba6c6d2..77f70cd feature/SIA-205-advanced-reporting -> feature/SIA-205-advanced-reporting
$
```

Showing 1-9 of 9

Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



Triggering DevOps actions

Use DevOps triggers to fire any built-in Automation for Jira action



Jira issue operations



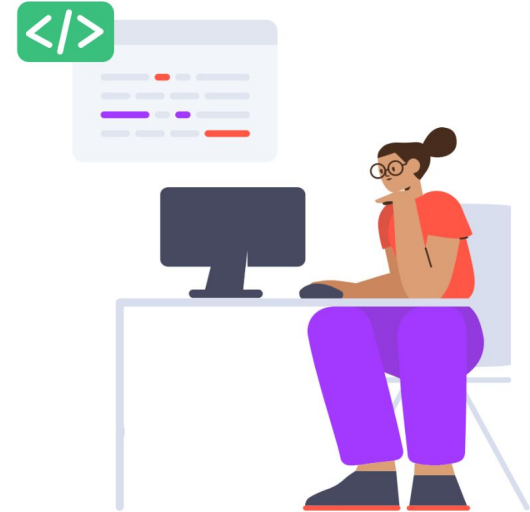
Notifications



Release version



Send web request

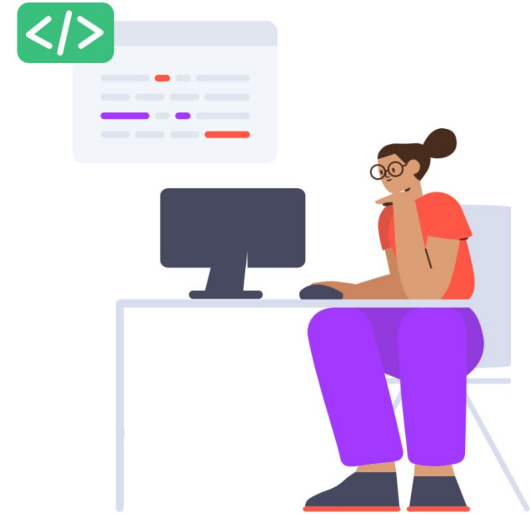


Triggering DevOps actions

Run a custom Groovy script with Better DevOps Automation for Jira



Run Groovy Script



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



Creating DevOps automation rules

Select the DevOps automation rule trigger

The screenshot shows the Jira Software Administration interface. The top navigation bar includes 'Jira Software', 'Dashboards', 'Projects', 'Issues', 'Boards', 'Commits', and a 'Create' button. A search bar and utility icons are on the right. The main content area is titled 'Administration' and contains a search bar and a 'Back to project: SpendIT app (Android)' link. A sidebar on the left lists various administration categories like 'General configuration', 'SYSTEM SUPPORT', 'SECURITY', and 'Performance'. The main panel is titled 'Automation' and shows a 'Rule details' section for a trigger named 'When: Changeset accepted'. This trigger is provided by the 'Better DevOps Automation for Jira app' and is marked as a 'THIRD PARTY EXTENSION'. A description states: 'Rule executes when a new changeset is pushed to the the Version Control System (Git, Bitbucket, GitHub, GitLab, Subversion, Mercurial, etc.), and it is accepted because it satisfies the commit policy.' Below this is an information box: 'See the trigger's documentation to learn more.' A table lists 'SMART VALUES SET BY THIS TRIGGER:' with columns for Name, Description, and Help. The table contains three rows: 1) Name: {{devops.changeset}}, Description: The changeset that was accepted., Help: help; 2) Name: {{devops.linkedIssues}}, Description: The list of the issues linked to the changeset., Help: help; 3) Name: {{devops.initiator}}, Description: The user who pushed or merged the changeset., Help: help. Below the table is a 'USEFUL LINKS:' section with a link to 'Manage commit policies'. At the bottom right of the rule configuration area are 'Cancel' and 'Save' buttons.

Administration [Back to project: SpendIT app \(Android\)](#)

Applications Projects Issues Manage apps User management Latest upgrade report **System**

General configuration
Find more admin tools
Jira mobile app

SYSTEM SUPPORT
System info
Instrumentation
JMX Monitoring
Database monitoring
Integrity checker
Logging and profiling
Scheduler details
Troubleshooting and support tools
Audit log
Clustering

SECURITY
Project roles
Global permissions
Password Policy
User sessions
SSO 2.0
Remember my login
Whitelist

Automation **NEW** [Return to list](#)

Rule details

When: Changeset accepted

[+](#) Add component

Changeset accepted THIRD PARTY EXTENSION

(provided by the [Better DevOps Automation for Jira app](#))

Rule executes when a new changeset is pushed to the the Version Control System (Git, Bitbucket, GitHub, GitLab, Subversion, Mercurial, etc.), and it is accepted because it satisfies the commit policy.

i See the [trigger's documentation](#) to learn more.

SMART VALUES SET BY THIS TRIGGER:

Name	Description	Help
{{devops.changeset}}	The changeset that was accepted.	help
{{devops.linkedIssues}}	The list of the issues linked to the changeset.	help
{{devops.initiator}}	The user who pushed or merged the changeset.	help
{{devops.actor}}	The rule actor user.	help

USEFUL LINKS:
[Manage commit policies](#)

[Cancel](#) [Save](#)



Creating DevOps automation rules

Set up optional conditions to fine-tune DevOps rule execution

The screenshot displays the Jira Administration interface for configuring an automation rule. The top navigation bar includes 'Jira Software' and various menu items like 'Dashboards', 'Projects', 'Issues', 'Boards', and 'Commits'. The 'Administration' section is active, with a search bar and a 'Back to project: SpendIT app (Android)' link. The left sidebar lists various administration categories such as 'General configuration', 'SYSTEM SUPPORT', 'SECURITY', and 'AUTOMATION FOR JIRA'. The main content area is titled 'Automation' and shows a rule configuration flow. The rule is triggered 'When: Changeset accepted'. The current step is an 'If: Compare two values' condition. The condition description states: 'Checks if: `{{devops.helper.matchRepository(devops.changeset,".(spend-it-android.git|spend-it-ios.git)").size}} is greater than 0`'. The configuration details for this condition are shown in a modal window: 'Advanced compare condition'. It includes a description: 'Compares two values using smart values and regular expressions.' The 'First value*' is set to `{{devops.helper.matchRepository(devops.changeset,".(spend-it-android.git|spend-it-ios.git)").size}}`. The 'Condition' is set to 'greater than'. The 'Second value' is set to '0'. There are 'Cancel' and 'Save' buttons at the bottom of the modal. A 'Publish rule' button and a 'Return to list' link are also visible in the top right of the rule configuration area.



Creating DevOps automation rules

Select a DevOps automation action

The screenshot shows the Jira Software Administration interface. The top navigation bar includes 'Jira Software', 'Dashboards', 'Projects', 'Issues', 'Boards', 'Commits', and a 'Create' button. A search bar and utility icons are on the right. The main content area is titled 'Administration' and contains a sidebar with navigation options like 'General configuration', 'SYSTEM SUPPORT', and 'SECURITY'. The 'Automation' section is active, showing a rule titled 'When commit is accepted -- Send commit details in email'. The rule details include a 'When' condition 'When: Changeset accepted' and a 'Then' action 'Send email' to the group 'android-developers'. The 'Send email' configuration is expanded, showing the 'To' field set to 'android-developers', the 'Subject' field containing '[DEVOPS: {{devops.changeset commits.size}} new commit({#devops.changeset commits.size})', and the 'Content' field containing a multi-line email template with various Jira macros. The 'Save' button is highlighted in blue.

Automation NEW

When commit is accepted -- Send commit details in email

Rule details

When: Changeset accepted
Rule is run when a changeset pushed to the Version Control System is accepted.

Then: Send email
android-developers
[DEVOPS]
{{devops.changeset commits.size}} new commit({#devops.changeset commits.size})
{{^first}}**[[#last]]** s({})({})({})
{{^devops.changeset commits.size}} s({}) in

Send email

To: android-developers

Cc Bcc

Subject* [DEVOPS: {{devops.changeset commits.size}} new commit({#devops.changeset commits.size})

Content*
Hey there,

<p>New commits have been <b style="color:green">accepted into the SpendIT App (Android) repository. You can see the commit details below.</p>
<p>
<p>Related project: {{issue.project}}
Contact in case of questions: {{assignee.displayName}}
</p>
[[#devops.changeset commits.size]]
<p>—————————</p>
<p>Commit: #{{id}} | Branch: {{branch}} | Author: {{userName.htmlEncode}}</p>
<blockquote><i>{{message.htmlEncode.replace("
", "
")}}</i></blockquote>

Cancel Save



Using Smart Values in DevOps automation rules

DevOps triggers set many Smart Values to choose from

DevOps Smart Values

{{devops.committerByUsername}}

{{devops.changeset.commits}}

{{devops.commit}}

{{devops.commit.files}}

{{devops.commit.message}}

{{devops.branch}}

{{devops.tag}}

... and many more!



Improving developer experience with Better DevOps Automation for Jira

Getting started with DevOps automation

Understanding DevOps triggers

Managing Genius Commands

Triggering DevOps actions

Creating DevOps automation rules

Demo of Better DevOps Automation



What's coming in Better DevOps Automation?

Next up ...



Pull Request Created



Pull Request Merged



Your suggestion?





Thank you!



Levente Szabo • levente.szabo@midori-global.com

Try our other apps, too (free)!



Better Commit Policy for Jira

Verify the changes committed to Git, Bitbucket, GitHub, GitLab, Subversion & Mercurial against configurable rules



Better Excel Exporter for Jira

Full-blown native Excel exports, spreadsheet reports and Business Intelligence for Jira



Better PDF Exporter for Jira

Easy emailing, sharing, archiving, printing for Jira data