

# Gerrit Plugins

By Rajesh

# Why Gerrit Plugins?

- The Gerrit server functionality can be extended by installing plugins

# How to Install Gerrit Plugins?



Copy jar



REST



SSH

# Prerequisite

## **plugins.checkFrequency**

('site\_path'/etc/gerrit.config')

This decide How often plugins should be examined for new plugins to load, removed plugins to be unloaded, or updated plugins to be reloaded. Values can be specified using standard time unit abbreviations ('ms', 'sec', 'min', etc.).

If set to 0, automatic plugin reloading is disabled.

Default is 1 minute.

# Installing Gerrit Plugins: Copy jar

- Copy jar file to `$gerrit_home/plugins` directory

# Installing Gerrit Plugins: REST

```
curl --user admin:TNNuLkWsIV8w -X PUT --data-binary @delete-project-2.8.jar  
'http://gerrit:8080/a/plugins/delete-project'
```

Reference

<https://gerrit-review.googlesource.com/Documentation/rest-api-plugins.html#install-plugin>

# Installing Gerrit Plugins: SSH

## Prerequisite

Caller must be a member of the privileged 'Administrators' group.

plugins.allowRemoteAdmin must be enabled in \$site\_path/etc/gerrit.config.

*[plugins]*

*allowRemoteAdmin = true*

```
ssh -p 29418 localhost gerrit plugin install -n name.jar $(pwd)/my-plugin.jar
```

## Reference:

<https://gerrit-review.googlesource.com/Documentation/cmd-plugin-install.html>

# How to Enable/Disable/Remove Gerrit Plugins?

```
bash-4.2$ ssh -p 29418 jenkins@instance-5.c.devopsschool.internal gerrit plugin  
fatal: Available commands of gerrit plugin are:
```

```
add      Install/Add a plugin  
enable   Enable plugins  
install  Install/Add a plugin  
ls       List the installed plugins  
reload   Reload/Restart plugins  
remove   Disable plugins  
rm       Disable plugins
```

See 'COMMAND --help' for more information.

# List of Popular Plugins

<b>codemirror-editor</b>	CodeMirror plugin for polygerrit.
<b>commit-message-length-validator</b>	This plugin checks the length of a commit's commit message subject and message body, and reports warnings or errors to the git client if the lengths are exceeded.
<b>delete-project</b>	Provides the ability to delete a project.
<b>download-commands</b>	This plugin defines commands for downloading changes in different download schemes
<b>gitiles</b>	Plugin running Gitiles alongside a Gerrit server
<b>hooks</b>	This plugin runs server-side hooks on events. This plugin can automatically push any changes Gerrit Code Review makes to its managed Git repositories to another system. Usually this would be configured to provide mirroring of changes, for warm-standby backups, or a load-balanced public mirror farm.
<b>replication</b>	
<b>reviewnotes</b>	Stores review information for Gerrit changes in the <code>refs/notes/review</code> branch. This plugin provides a group per user. This is useful to assign access rights directly to a single user, since in Gerrit access rights can only be assigned to groups.
<b>singleusergroup</b>	
<b>webhooks</b>	This plugin allows to propagate Gerrit events to remote http endpoints.

# Other Plugins

admin-console	github	metrics-reporter-prometheus	reviewers
analytics	healthcheck	motd	reviewers-by-blame
avatars-external	imagare	OAuth authentication provider	scripting/groovy-provider
avatars-gravatar	importer	owners	SAML2 authentication provider
branch-network	Issue Tracker System Plugins	project-download-commands	scripting/scala-provider
changemessage	javamelody	quota	scripts
checks	labelui	rabbitmq	server-config
egit	menuextender	readonly	serviceuser
emoticons	metrics-reporter-elasticsearch	ref-protection	uploadvalidator
find-owners	metrics-reporter-graphite	reparent	verify-status
gitblit	metrics-reporter-jmx	review-strategy	websession-flatfile
			x-docs

# Reference

<https://www.devopsschool.com/tutorial/gerrit>

<https://gerrit-review.googlesource.com/Documentation/config-plugins.html>

<https://gerrit-review.googlesource.com/Documentation/rest-api-plugins.html#enable-plugin>

<https://gerrit-review.googlesource.com/Documentation/cmd-plugin-install.html>