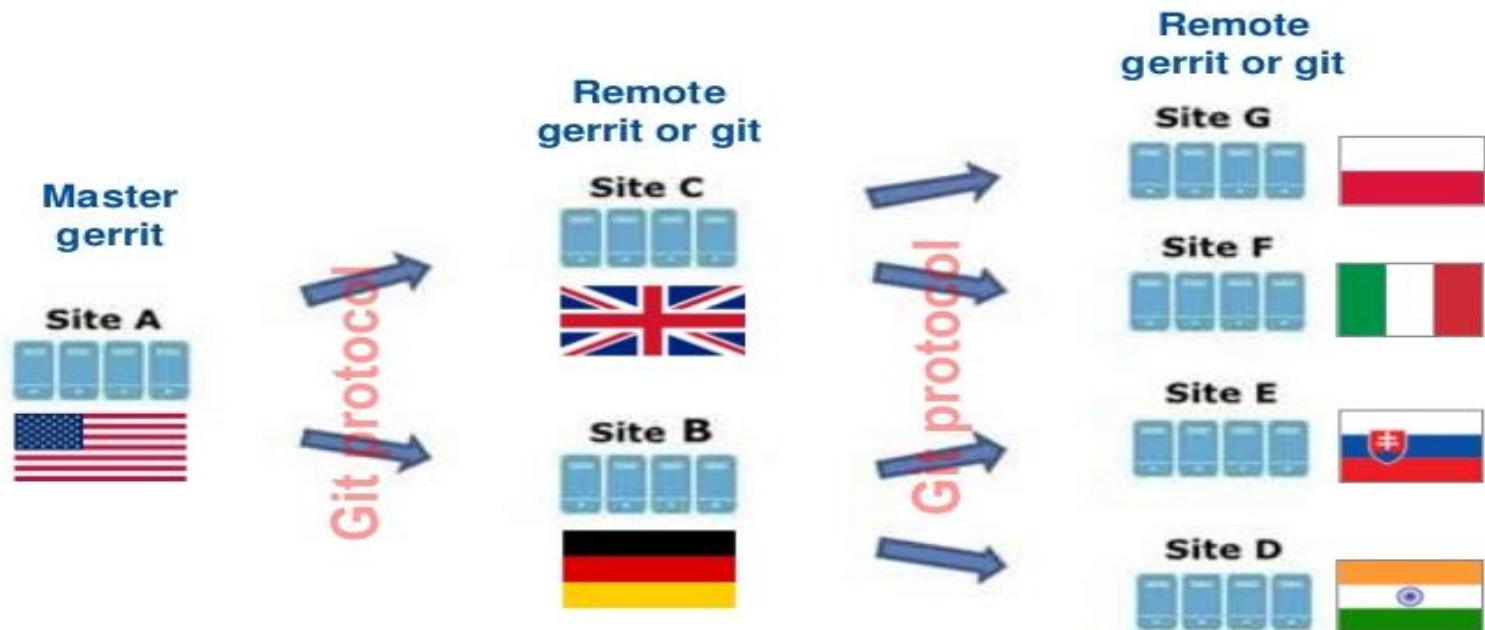
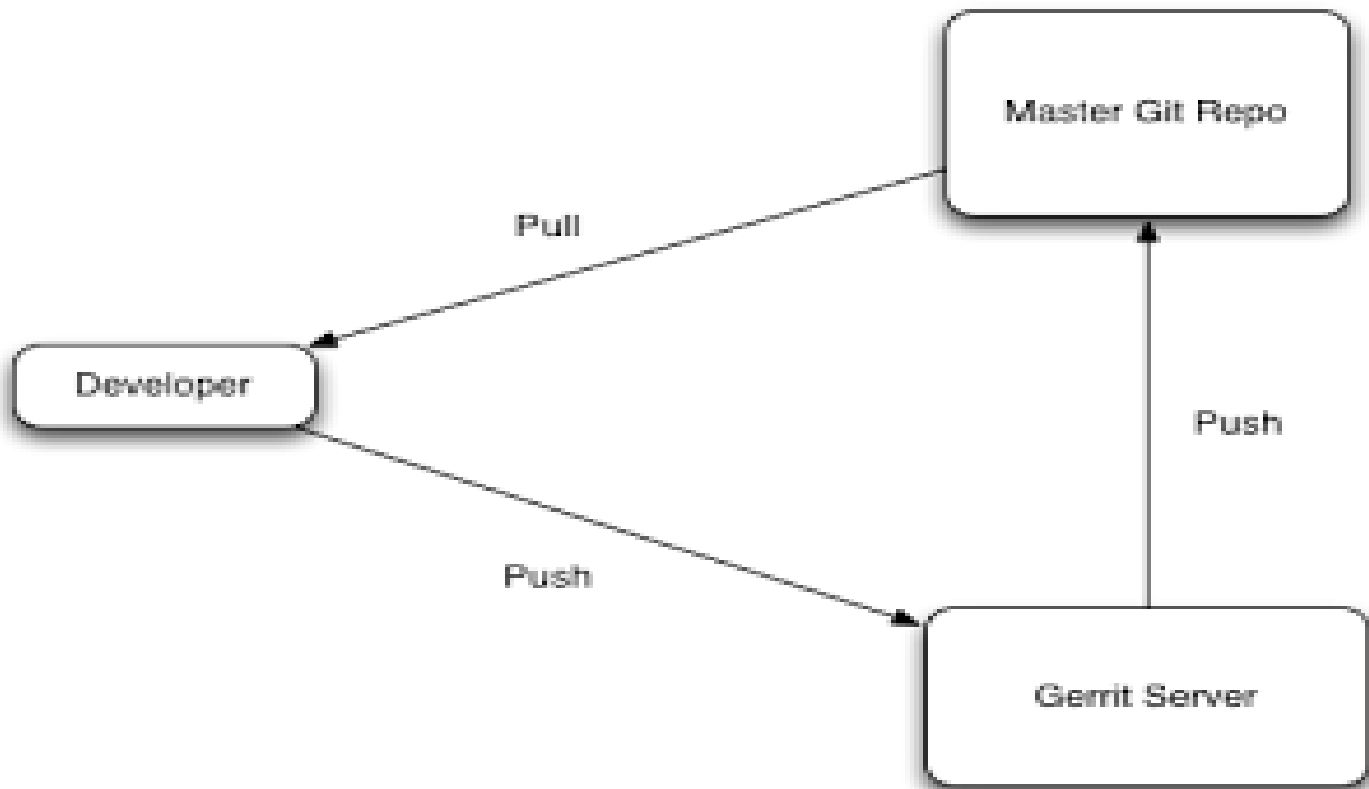


Gerrit Replication

By Rajesh Kumar

... and Gerrit replication





How?

- To enable replication. First we need to make the mirror of existing repository on slave server. Then in replication.config in master use projects: to mention repository name



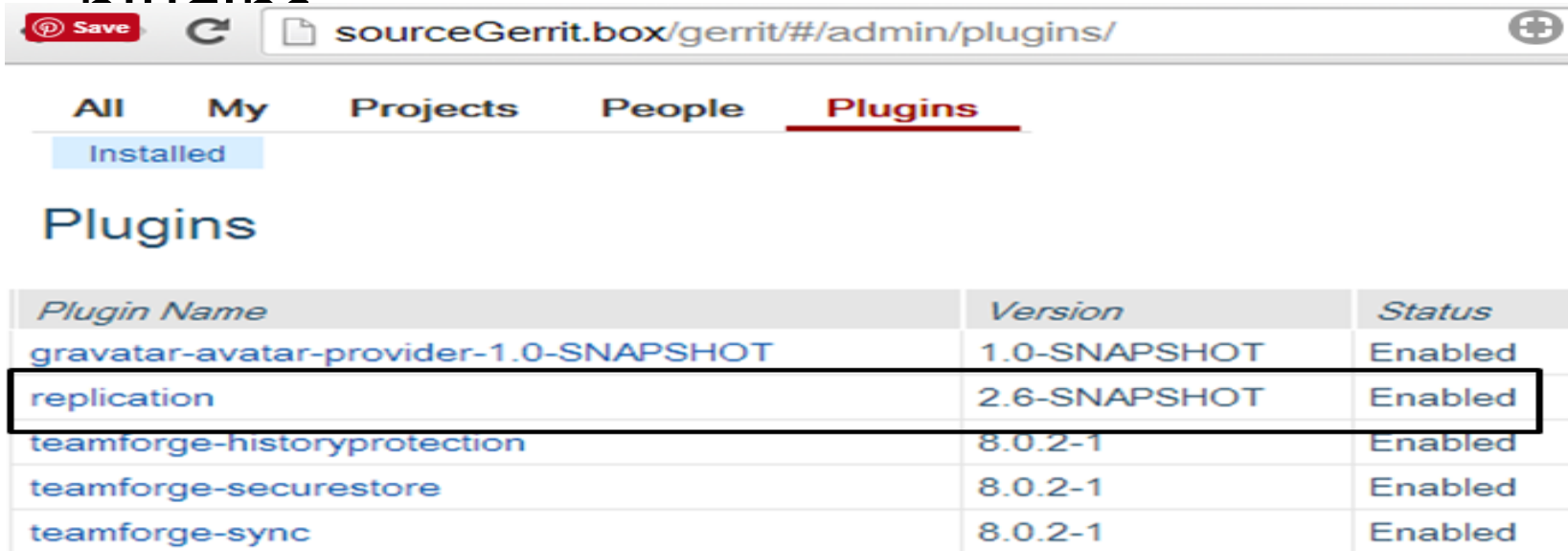
Pre:- Authorizing Gerrit to push to GitHub

Assuming that Gerrit runs under the OS user gerrit, we can copy and paste the SSH public key values from the `~gerrit/.ssh/id_rsa.pub` (or `~gerrit/.ssh/id_dsa.pub`) to the Add an SSH Key section of the GitHub account under target URL to be set to:

<https://github.com/settings/ssh>

Step 1 - replication Plugins

- Make sure you have installed the replication plugins



The screenshot shows the Gerrit administration interface. The browser address bar displays 'sourceGerrit.box/gerrit/#/admin/plugins/'. The navigation menu includes 'All', 'My', 'Projects', 'People', and 'Plugins' (which is underlined). Below the navigation, there is a tab labeled 'Installed'. The main heading is 'Plugins'. A table lists the installed plugins with columns for 'Plugin Name', 'Version', and 'Status'. The 'replication' plugin is highlighted with a black box.

<i>Plugin Name</i>	<i>Version</i>	<i>Status</i>
gravatar-avatar-provider-1.0-SNAPSHOT	1.0-SNAPSHOT	Enabled
replication	2.6-SNAPSHOT	Enabled
teamforge-historyprotection	8.0.2-1	Enabled
teamforge-securestore	8.0.2-1	Enabled
teamforge-sync	8.0.2-1	Enabled

Step 2: replication.config

The Gerrit replication plugin relies on the replication.config file under the /opt/gerrit/etc directory to identify the list of target Git repositories to push to.

Step 2: replication.config

See the following simplest replication.config script for replicating to

GitHub:

```
[remote "github"]
```

```
url = git@github.com:myorganisation/${name}.git
```

The preceding configuration enables all of the repositories in Gerrit to be replicated to GitHub under the myorganisation GitHub Team account.

TEST IT

- Make some changes in to a local file
- Commit the changes
- Push the changes to Gerrit?
- 1
- `git push ssh://gerrit-user@gerrit-server:29418/gerrit-test HEAD:refs/for/master`
- Login to Gerrit UI
- Approve the changes with +2
- Gerrit will push the changes to the master git repository. Verify the latest changes are indeed replicated by Gerrit Server

Trigger replication manually

```
> ssh -p 29419 user@localhost replication start -  
-all
```

Reference

- <https://gerrit.googlesource.com/plugins/replication/+doc/master/src/main/resources/Documentation/config.md>
- <http://www.sureshpw.com/2014/11/gerrit-code-review-installation.html>

THE END