

Gerrit
Quick start
v1.0.0

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1 Introduction

Gerrit is a free, web-based team code collaboration tool. Software developers in a team can review each other's modifications on their source code using a Web browser and approve or reject those changes. It integrates closely with Git, a distributed version control system. Gerrit is a fork of Rietveld, another code review tool. Both namesakes are of Dutch designer Gerrit Rietveld.[1]

2 Using Gerrit

For this project we use GerritHub[2]. It offers free and preconfigured Gerrit server. It has been chosen because it is a ready to use solution, widely used and integrated with the GitHub.

Next sections show how to use Gerrit.

2.1 Registering to GerritHub.io

To use the GerritHub, the GitHub account is needed. If you don't have a GitHub account, create it first. Next if You don't have a GerritHub account click the "First time Sign In" button(marked with the red rectangle in the figure 1). Next follow the instructions on the website.

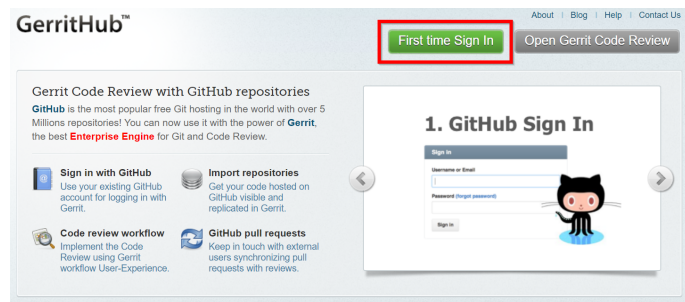


Figure 1: Connecting github.

2.2 Cloning repository

To clone the repository with the project code go to Browse->Projects and in the Filter write the name of the project in which you want to contribute (as shown in figure 2). Next click on the project name.

On the site you can see the command which is needed to clone the repository (marked in figure 3)



Figure 2: Finding a project.



Figure 3: Clone command.

2.3 Pushing changes

If you want to push your changes to review, just use the git command, but change the branch name in the command to *HEAD:refs/for/<branch_name>*. For example, if you want to push the changes to a master branch use:

```
git push origin HEAD:refs/for/master
```

2.3.1 Adding reviewer

There are two ways to add reviewer(s) to your change. First, assign the reviewer at the push. In this case use *%r=<email_address>* at the end of the push command. The command may look like:

```
git push origin HEAD:refs/for/master%r=ProrokWielki@o2.pl
```

The second way is to set the reviewer on the web site. In this case from *YOUR->Changes* select the change to which you want to assign the reviewer. Then on the web page click *ADD REVIEWER*. Put the reviewer email next to the *Reviewers* (as shown in figure 4)

2.4 Reviewing change

If you are asked to review someones change you can see that change in the *Incoming reviews* in the *YOUR->Changes* section.

In the Files Section you can find the files which were pushed with the change. To see the content of a file, click on its name.

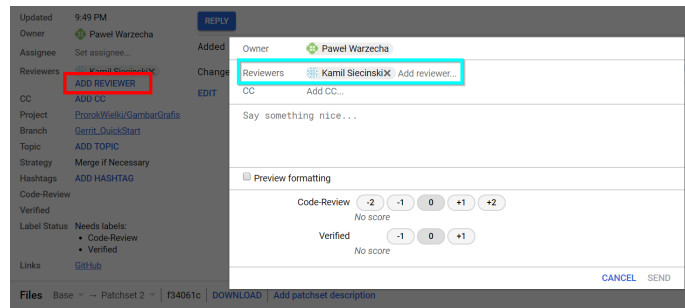


Figure 4: Adding Reviewer.

References

- [1] *Wikipedia – Gerrit (software)*.
[https://en.wikipedia.org/wiki/Gerrit_\(software\)](https://en.wikipedia.org/wiki/Gerrit_(software))
- [2] *GerritHub.io*.
<http://gerrithub.io/>

Revision History

Revision	Date	Author(s)	Description
1.0.0	22.01.04	PW	Created