Tool Analysis

Installation

Gerrit can be installed on a server or in a docker container. The server installation wil be discussed in this case.

The download is a .war file. This war file can run in a servlet container, for example, a Jetty or Tomcat installation. The .war file contains a Jetty web server and can be started directly for testing or rapid deployment.

Install using the following command:

java -jar gerrit\*.war init -d review\_site

Next, the server must be started, which is done in a similar manner to other services, using bash scripts on unix systems:

~/gerrit/review\_site/bin/gerrit.sh start

And to stop it:

~/gerrit/review\_site/bin/gerrit.sh stop

Or on windows:

**java** -jar **review\_site**/bin/gerrit.war **daemon** -d .

Benefits

Mostly compared against Git and GitHub, the main advantages that Gerrit presents are:

* amending a commit is used to update the Gerrit change request, while using the amend operation on a published commit is usually discouraged in Git
* the Gerrit review system is based on the assumption that each commit is reviewed separately, while at GitHub, a complete branch is reviewed and merged with the pull request.

Sceen Captures

* if clicked on the area inside the red box, the files changed will be shown:

Graphical user interface, text, application

Description automatically generated

* if double clicked on a line, a comment is added for that line:

Text, timeline

Description automatically generated

* giving feedback on a change:

