

Gerrit Installation

Main flow is described here - <https://gerrit-review.googlesource.com/Documentation/install.html>

example of configuration - <http://mageconfig.blogspot.co.uk/2014/06/configure-gitgerrit-with-open-ldap-for.html>

mysql Installation

1. login with with root
2. Install mysql -server if missing
Using this guide for mysql
http://www.rackspace.com/knowledge_center/article/installing-mysql-server-on-centos
<https://devops.profitbricks.com/tutorials/install-mysql-on-centos-7/>
3. execute

```
mysql
```

4. Then this script (change password to whatever you want...):

```
CREATE USER 'gerrit2'@'localhost' IDENTIFIED BY 'password';  
CREATE DATABASE reviewdb;  
GRANT ALL ON reviewdb.* TO 'gerrit2'@'localhost';  
FLUSH PRIVILEGES;
```

5. Test that you can login with the following command

```
`mysql -u gerrit2 -p`
```

and then type the password that you defined before

Create User and Gerrit folder

1. login with root
2. mkdir -p /opt/gerrit2
3. adduser gerrit2
4. su gerrit2
5. cd /home/gerrit2
6. su -
7. chown gerrit2 /opt/gerrit2/

Gerrit Site Initialization

1. login with gerrit2
2. Execute:

```
java -jar gerrit.war init -d /opt/gerrit2
```

3. This is more or less how you should answer the question that will appear now:

```
Using secure store: com.google.gerrit.server.securestore.DefaultSecureStore  
*** Git Repositories  
***  
Location of Git repositories [git]:  
*** SQL Database  
***
```

```
Database server type [mysql]:mysql
Server hostname [localhost]:server.hostname...
Server port [default]:
Database name [reviewdb]:reviewdb
Database username [gerrit2]:gerrit2
Change gerrit2's password [y/N]? y
gerrit2's password :
confirm password :
*** Index
***
Type [LUCENE/?]:
*** User Authentication
***
Authentication method [LDAP/?]:LDAP
LDAP server [ldap://135.248.16.241]:ldap://135.248.16.241
LDAP username
[CN=gerrit2,OU=CloudEnaUsers,DC=aluccloud,DC=local]:CN=gerrit2,OU=CloudEnaUsers,DC
=aluccloud,DC=local
Account BaseDN [dc=aluccloud,dc=local]:dc=aluccloud,dc=local
Group BaseDN [ou=Groups,dc=aluccloud,dc=local]:ou=Groups,dc=aluccloud,dc=local
*** Review Labels
***
Install Verified label [y/N]? y
*** Email Delivery
***
SMTP server hostname [smtp.aluccloud.local]:smtp.aluccloud.local
SMTP server port [(default)]:
SMTP encryption [NONE/?]:
SMTP username [?]:
Change ?'s password [y/N]?
*** Container Process
***
Run as [gerrit2]:
Java runtime [/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.85.x86_64/jre]:
Upgrade /opt/gerrit2/bin/gerrit.war [Y/n]?
Copying gerrit.war to /opt/gerrit2/bin/gerrit.war
*** SSH Daemon
***
Listen on address [*]:
Listen on port [29418]:
*** HTTP Daemon
***
Behind reverse proxy [y/N]?
Use SSL (https://) [y/N]?
Listen on address [*]:
Listen on port [8080]:
Canonical URL [http://dev-gerrit.aluccloud.local:8080/]:
*** Plugins
***
Installing plugins.
Install plugin reviewnotes version v2.11.2 [y/N]?Y
Install plugin replication version v2.11.2 [y/N]?Y
Install plugin download-commands version v2.11.2 [y/N]?Y
Install plugin singleusergroup version v2.11.2 [y/N]?N
Install plugin commit-message-length-validator version v2.11.2 [y/N]?N
```

```
Initializing plugins.  
No plugins found with init steps.  
Initialized /opt/gerrit2
```

4. Execute:

```
cd /opt/gerrit2/etc  
chmod 600 *config
```

5. Add the required fields of LDAP to the gerrit.config: (the password is stored under **secure.config** and is set also in the initialization script that you just did)

```
[ldap]  
server = ldap://135.248.16.241  
username = CN=gerrit2,OU=CloudEnaUsers,DC=aluccloud,DC=local  
accountBase = dc=aluccloud,dc=local  
groupBase = ou=Groups,dc=aluccloud,dc=local  
referral = follow  
groupMemberPattern = (&(objectClass=group)(member=${dn}))  
accountFullName = cn  
accountMemberField = memberOf  
accountEmailAddress = mail  
sslVerify = false  
accountScope = subtree  
accountPattern = (&(objectClass=person)(sAMAccountName=${username}))
```

6. Start gerrit

```
/opt/gerrit2/bin/gerrit.sh restart
```

7. Tail the error_log

```
tail -f /opt/gerrit2/logs/error_log
```