

# Gerrit Linux 설치 가이드

- 설치환경
- Gerrit 설치
  - Gerrit download
  - Gerrit Database & DBuser 생성
  - Gerrit User 생성
  - Gerrit Install

## 설치환경

- OS : CentOS 7\_64bit
- JAVA : JDK1.8.0\_111
- Postgresql : 9.3.15
- Git : 2.10.0
- Gerrit : 2.13.5

## Gerrit 설치

### Gerrit download

아래 화면과 같이 Gerrit을 아래와 같은 명령어로 다운을 받는다.

```
wget https://www.gerritcodereview.com/download/gerrit-2.13.5.war
```

### Gerrit Database & DBuser 생성

아래 화면은 Gerrit 데이터베이스와 유저를 생성하는 과정이다.

```
su - postgres
psql
create role gerrit with login password 'gerrit' valid until 'infinty';
create database reviewdb with encoding='UTF8' owner=gerrit connection limit=-1;
\q
```

```
[root@curvc gerrit]# su - postgres
Last login: Thu Mar  9 21:40:25 KST 2017 on pts/0
-bash-4.2$ psql
psql (9.2.18, server 9.3.16)
WARNING: psql version 9.2, server version 9.3.
         Some psql features might not work.
Type "help" for help.

postgres=# CREATE ROLE gerrit WITH LOGIN PASSWORD 'gerrit' VALID UNTIL 'infinity';
CREATE ROLE
postgres=# CREATE DATABASE reviewdb WITH ENCODING='UTF8' OWNER=gerrit CONNECTION LIMIT=-1;
CREATE DATABASE
postgres=# \q
-bash-4.2$ exit
logout
[root@curvc gerrit]#
```

## Gerrit User 생성

아래 화면과 같이 Gerrit 유저를 생성 한다.

```
useradd -d /opt/gerrit gerrit
```

```
[root@curvc /]# useradd -d /opt/gerrit gerrit  
Creating mailbox file: File exists
```

## Gerrit Install

```
java -jar gerrit-2.13.5.war init -d /opt/gerrit/
```

Database 정보를 입력하고 User Authentication 입력한다.(필자는 ldap으로 Authentication 설정 하였다.) Ldap 구성은 [Ldap 설치 가이드](#) 참고

```

[root@curvc /]# java -jar /tmp/down/gerrit-2.13.5.war init -d /opt/gerrit/
Using secure store: com.google.gerrit.server.securestore.DefaultSecureStore
[2017-03-10 08:56:47,699] [main] INFO com.google.gerrit.server.config.GerritServerConfigProvider : No /opt/gerrit/etc/gerrit.config; assuming defaults

*** Gerrit Code Review 2.13.5
***

*** Git Repositories
***

Location of Git repositories [git]:

*** SQL Database
***

Database server type [h2]: postgresql
Server hostname [localhost]:
Server port [(postgresql default)]:
Database name [reviewdb]:
Database username [root]: gerrit
gerrit's password :
confirm password :

*** User Authentication
***

Authentication method [OPENID/?]: ldap
LDAP server [ldap://localhost]: ldap://192.168.0.60
LDAP username :
Account BaseDN [DC=168,DC=0,DC=60]: ou=People,dc=curvc,dc=com
Group BaseDN [ou=People,dc=curvc,dc=com]: ou=Group,dc=curvc,dc=com
Enable signed push support [y/N]?

*** Review Labels
***

Install Verified label [y/N]?

*** Email Delivery
***

SMTP server hostname [localhost]:
SMTP server port [(default)]:
SMTP encryption [NONE/?]:
SMTP username :

*** Container Process
***

Run as [root]: gerrit
Java runtime [/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.121-0.b13.el7_3.x86_64/jre]:
Copy gerrit-2.13.5.war to /opt/gerrit/bin/gerrit.war [Y/n]?
Copying gerrit-2.13.5.war to /opt/gerrit/bin/gerrit.war

```

Behind reverse proxy를 y 으로 설정한다. 만약 설정 N으로 할 경우 port 8080으로 지정이 된다. Plugin 필요 할 경우 설치를 한다.

```

*** SSH Daemon
***

Listen on address      [*]:
Listen on port        [29418]:

Gerrit Code Review is not shipped with Bouncy Castle Crypto SSL v152
  If available, Gerrit can take advantage of features
  in the library, but will also function without it.
Download and install it now [Y/n]?
Downloading https://repo1.maven.org/maven2/org/bouncycastle/bcprov-jdk15on/1.52/bcprov-jdk15on-1.52.jar ... OK
Checksum bcprov-jdk15on-1.52.jar OK

Gerrit Code Review is not shipped with Bouncy Castle Crypto Provider v152
** This library is required by Bouncy Castle Crypto SSL v152. **
Download and install it now [Y/n]?
Downloading https://repo1.maven.org/maven2/org/bouncycastle/bcprov-jdk15on/1.52/bcprov-jdk15on-1.52.jar ... OK
Checksum bcprov-jdk15on-1.52.jar OK
Generating SSH host key ... rsa... dsa... done

*** HTTP Daemon
***

Behind reverse proxy    [y/N]? y
Proxy uses SSL (https://) [y/N]?
Subdirectory on proxy server [/]:
Listen on address      [*]:
Listen on port        [8081]:
Canonical URL          [http://curvc/]:

*** Cache
***

*** Plugins
***

Installing plugins.
Install plugin commit-message-length-validator version v2.13.5 [y/N]? y
Installed commit-message-length-validator v2.13.5
Install plugin download-commands version v2.13.5 [y/N]? y
Installed download-commands v2.13.5
Install plugin hooks version v2.13.5 [y/N]? y
Installed hooks v2.13.5
Install plugin replication version v2.13.5 [y/N]? y
Installed replication v2.13.5
Install plugin reviewnotes version v2.13.5 [y/N]? y
Installed reviewnotes v2.13.5
Install plugin singleusergroup version v2.13.5 [y/N]? y
Installed singleusergroup v2.13.5
Initializing plugins.
No plugins found with init steps.

Initialized /opt/gerrit
[root@curvc /]# █

```

설치 폴더를 gerrit 유저에게 권한을 부여 한다.

```
[root@curvc /opt]# chown -R gerrit.gerrit /opt/gerrit/
```

gerrit으로 접속하여 gerrit을 실행한다.

```

[root@curvc /]# su - gerrit
Last login: Fri Mar 10 09:22:00 KST 2017 on pts/0
[gerrit@curvc ~]$ ls
bin  cache  data  etc  git  index  lib  logs  plugins  static  tmp
[gerrit@curvc ~]$ cd bin
[gerrit@curvc bin]$ ./gerrit.sh start
Starting Gerrit Code Review: OK
[gerrit@curvc bin]$ █

```

Gerrit에 접속하기 위해 다음 주소로 접속합니다.

http://설치아이피:8081

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