

CentOS on VMware Fusion

1. 安装过程中打开 centos 网络并创建用户，此处假设用户名为 peter。

2. 使用 root 用户登陆，visudo 后添加

```
peter  ALL=(ALL)      ALL
```

3. 登出 root 用户，使用 peter 用户登陆

```
sudo yum update
```

4. `sudo yum install gcc`

5. `sudo yum groupinstall "GNOME Desktop"`

6. Using the MySQL Yum Repository

- `wget https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm`
- `rpm -Uvh mysql57-community-release-el7-11.noarch.rpm`
- `yum install mysql-community-server`
- `sudo systemctl start mysqld.service`
- `sudo systemctl status mysqld.service`
- MySQL Server Initialization (for MySQL 5.7 only): At the initial start up of the server, the following happens, given that the data directory of the server is empty:
 - The server is initialized.
 - An SSL certificate and key files are generated in the data directory.
 - The validate_password plugin is installed and enabled.
 - A superuser account 'root'@'localhost' is created. A password for the superuser is set and stored in the error log file. To reveal it, use the following command:
`sudo grep 'temporary password' /var/log/mysqld.log`
Change the root password as soon as possible by logging in with the generated, temporary password and set a custom password for the superuser account:
`mysql -uroot -p`
`mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY 'MyNewPass4!';`
- Create a account and grant it access to specific databases named test:
 - `CREATE DATABASE test;`
 - `CREATE USER 'peter'@'%' IDENTIFIED BY 'x%3&U^-z';`
 - `GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,DROP ON test.* TO 'peter'@'%';`
- Opening Ports in the Firewall
 - `firewall-cmd --get-active-zones`
 - `firewall-cmd --zone=public --add-port=3306/tcp --permanent`
 - `firewall-cmd --reload`

7. Install and Configure SVN

- `sudo yum install subversion`
- `mkdir -p $HOME/.svnrepos/`
- `svnadmin create ~/.svnrepos/my-repos`
- `svn mkdir -m "Create directory structure." file://$HOME/.svnrepos/my-repos/trunk file://$HOME/.svnrepos/my-repos/branches file://$HOME/.svnrepos/my-repos/tags`
- `cd $HOME/.svnrepos/conf`
- `vi authz`

```
[groups]
# harry_and_sally = harry,sally
# harry_sally_and_joe = harry,sally,&joe
developers = peter

# [/foo/bar]
# harry = rw
# &joe = r
# * =
[/]
@developers = rw

# [repository:/baz/fuz]
# @harry_and_sally = rw
# * = r
```

- vi passwd

```
[users]
# harry = harryssecret
# sally = sallyssecret
peter = 82051?
```

- vi svnserve.conf

```
[general]
### The anon-access and auth-access options control whether
### repository for unauthenticated users, respectively
### authenticated users, respect
### Valid values are "write", "r
### Setting the value to "none"
### "read" allows read-only access
### read/write access to the repository
### The sample settings below are
### users have read-only access
### users have read and write access
anon-access = none
auth-access = write
### The password-db option controls the location of the
### database file. Unless you specify a full path, the file's location is relative
### to the configuration file.
### If SASL is enabled (see below), this option is ignored.
### Uncomment the line below to enable the password database
password-db = passwd
### The authz-db option controls the location of the
### rules for path-based access. Unless you specify a full path, the file's
### location is relative to the configuration file.
### starting with a /, the file's location is absolute
### directory containing this file
### authz-db, no path-based access control
### Uncomment the line below to enable the authorization database
authz-db = authz
### This option specifies the authentication realm
### If two repositories have the same realm, users can
### have the same password database
### is repository's uuid.
realm = My First Repository
### The force-username-case option controls the case of
### usernames before comparing them to the entries in the
### authz-db file configured above
### case the usernames), "lower" forces lowercase, "upper"
### "none" (to compare usernames as they are)
### is the default behavior).
force-username-case = none
```

- svnserve -d -r \$HOME/.svnrepos/
- ps -aux|grep svn
- firewall-cmd --zone=public --add-port=3690/tcp --permanent
- firewall-cmd --zone=public --add-port=3690/udp --permanent
- firewall-cmd --reload

8. Nexus Repository Manager OSS 2.x

- wget http://www.sonatype.org/downloads/nexus-latest-bundle.tar.gz
- tar -xzf nexus-latest-bundle.tar.gz
- sudo firewall-cmd --zone=public --add-port=8081/tcp --permanent
- sudo firewall-cmd --reload
- ./nexus start
- http://192.168.156.134:8081/nexus
- By default, the username is admin, the password is admin123

```
<repositories>
  <repository>
```

```
<id>nexus</id>
<name>Nexus Repository</name>
<url>http://192.168.156.134:8081/nexus/content/groups/public/</url>
<releases>
  <enabled>true</enabled>
</releases>
<snapshots>
  <enabled>true</enabled>
</snapshots>
</repository>
</repositories>
```