Install Svn and Create Svn Repository

Install Svn:-

sudo apt-get install subversion libapache2-mod-svn libapache2-svn libsvn-dev

After installation, enable required Apache modules and restart Apache service.

sudo a2enmod dav dav\_svn

sudo service apache2 restart

Step2:-

Create SVN Repository:-

sudo mkdir -p /var/lib/svn/

sudo svnadmin create /var/lib/svn/test(repository name)

sudo chown -R www-data:www-data /var/lib/svn

sudo chmod -R 775 /var/lib/svn

Step3:-

Create Users for Subversion:-

Now create first svn user in **/etc/apache2/dav\_svn.passwd** file. These users will use for authentication of svn repositories for checkout, commit processes.

sudo htpasswd -cm /etc/apache2/dav\_svn.passwd admin

To create additional users, use following commands.

sudo htpasswd -m /etc/apache2/dav\_svn.passwd user1

sudo htpasswd -m /etc/apache2/dav\_svn.passwd user2

Step4:-

Configure Apache with Subversion:-

Subversion Apache module package creates an configuration file **/etc/apache2/mods-enabled/dav\_svn.conf**. You just need to make necessary changes to it

Alias /svn /var/lib/svn

<Location /svn>

DAV svn

SVNParentPath /var/lib/svn

AuthType Basic

AuthName "Subversion Repository"

AuthUserFile /etc/apache2/dav\_svn.passwd

Require valid-user

</Location>

Save the file and restart Apache service to apply the new configuration.

sudo service apache2 restart

Step5:-

Access Repository in Browser:-

http://example.com/svn/myrepo/

Configure svn working copy:-

For ex our code Directory is /var/www/html/test

sudo svn co http://192.168.0.99/svn/myrepo /var/www/html/ test (svn working copy)

svn add file name(add the file to svn)

svn ci Filename(commit the file)

svn resolved conflict file name(to resolve the conflict the files)

Refer to below documents:-

https://tecadmin.net/install-subversion-server-on-ubuntu/

https://help.ubuntu.com/lts/serverguide/subversion.html.en