



Setting up Subversion on LINUX

Guidelines to setup Subversion On Linux machine

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This document consist the steps of setting up Subversion on a Linux machine.

Pre-Requisites:

Latest Subversion Linux binary installer from any of the distributor of your choice. Desired Subversion can be downloaded from the below link:

<http://subversion.apache.org/packages.html>

Steps for setting up Subversion:

1. Open the Command Line Terminal in Linux.(To avoid any permission issues make sure you are Login as root user on your Linux machine)

2. Go to the directory where the svn binaries are downloaded by issuing below command in the Command Line Terminal.

```
#>cd Absolute path to the svn installer
```

3. Run the downloaded Installer for Subversion by following command in the Command Line Terminal.

```
#>sh ./svn_installer.sh
```

4. Provide the install path where you want to install Subversion that is asked during the Installation of svn (We recommend overriding the default install path). Ex-

```
#>root/home/adeptia
```

5. Follow the instructions to complete the installation.

6. Create our svn repository, which is effectively a system path.

```
#>svnadmin create /absolute path of the repository/name of your repository
```

Note: that the above command creates a central repository for the Subversion at the specified path i.e. at the absolute path provided by the user (Ex. svnadmin create /root/home/adeptia/repository), where copy of all the projects are kept that are put under version control. Also, make sure that you have all necessary permissions for the folder where you want to create your repository folder.

7. Change directory to the newly created repository by issuing following command in the Command Line Terminal.

```
#>cd /absolute path of the repository/name of your repository
```

8. Within that newly created repository folder, uncomment the following lines in the **conf/svnserve.conf** file by removing the pound character from the start of each line:

```
anon-access = read  
auth-access = write  
password-db = passwd
```

9. Now go to **conf/passwd** file and add desired users along with their access passwords that will be using Subversion or you can also uncomment the default harry and sally users by removing the pound character from the start of line.

```
harry = harryssecret  
sally = sallysecret  
user1 = password1
```

Note: **user1** is the manually created user for the Subversion the password for which is **password1** to utilize the Subversion services.

10. Now go to the Command Terminal and issue following command to start the svn service.

```
#>svnserve -d
```

Note: Every time you boot your machine you need to issue the above command in the Command Terminal before using the svn services.

11. To make connection of the svn server with its repository issue the following command in the Terminal.

```
#>svn checkout svn://hostname:port/absolute path of the repository/name of your repository
```

Note: hostname is the IP address of the machine where svn is installed.

(Ex. #>svn checkout svn://127.0.0.1:3690/root/home/adeptia/repository)

12. Now you are ready with your Subversion server and can start working on it right away.

The **Subversion protocol operates on TCP port 3690**, so be sure to poke an appropriate hole in your server's firewall, otherwise clients won't be able to connect.