How to use SVN Server

As a first step, you must inform the IT helpdesk that you wish to use the SVN server. After the IT helpdesk accepts your request, it will send you a confirmation mail, following which you will be required to follow the instructions given below.

1. ssh to repo.iiitd.edu.in with <DomainUsername>@iiitd.edu.in
   For Example: ssh <helpdesk@iiitd.edu.in>@repo.iiitd.edu.in

2. Change directory to /var/svn/<YourUsername Directory>
   For Example: cd /var/svn/helpdesk

3. Create your Repository
   svnadmin create <MyRepo>

4. Change access permission of the Repository
   chmod -R 770 <MyRepo>/

5. Change Group membership of the Repository
   cd /var/svn  (Change Directory is Mandatory otherwise below command will not work)
   sudo chgrp -R apache <YourUsername Directory>/
   For Example: sudo chgrp -R apache helpdesk/

6. Change Security Context of Repository
   cd to <YourUsername Directory>/
   For Example: cd helpdesk/
   chcon -R -t httpd_sys_content_t <MyRepo>/

The process from your side ends here. In case, you want someone else (team members) to use this repository, you will be required to follow the step given below:

7. Change Configuration for user access
   vi /etc/httpd/conf.d/YourUserName.conf
   e.g vi /etc/httpd/conf.d/helpdesk.conf

Then Enter Following Configuration. You will find a default configuration do not edit it.

<Location /MyRepo>
DAV svn
SVNListParentPath on
SVNPath /var/svn/helpdesk/MyRepo
SVNAutoversioning on
AuthName "Active Directory Login"
AuthType Basic
AuthName "SVN Repository of Helpdesk"
Include /etc/httpd/Ldap.conf
Require ldap-user "<DomainUsername>@iiitd.edu.in"
Require ldap-user "user1@iiitd.edu.in"  #Enter the additional users who will access this repo.
Require ldap-user "user2@iiitd.edu.in"
</Location>

8. Reload the above modified configuration
   sudo apachectl graceful

9. Now added users can access repository via https://repo.iiitd.edu.in/MyRepo