

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>
Read the above modified configuration
sudo apachectl graceful
```

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