SVN Case Study

- 1. Check your current working directory
- 2. Before starting the migration, ensure you have the following tools installed:
- 3. Git
- 4. Subversion (SVN)
- 5. Git-svn
- 6. Create an empty directory for your new Git repository and initialize it:

```
6 bhargava@23372bc849b55ff; ~/bhargav-git-repo
```

7.Install subversion(SVN) to create a SVN repository

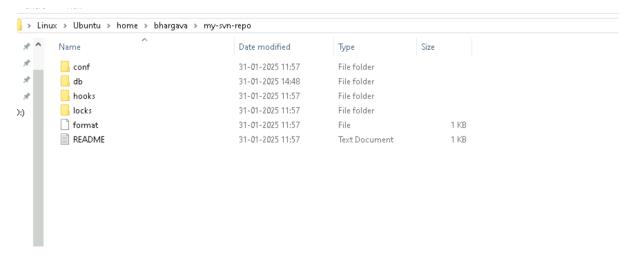
```
bhargava@23372bc849b55ff:~$ sudo apt-get install subversion
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
subversion is already the newest version (1.14.3-1build4).
0 upgraded, 0 newly installed, 0 to remove and 65 not upgraded.
bhargava@23372bc849b55ff:~$ _
```

8. Create a SVN repository and repository structure

```
bhargava@23372bc849b55ff:~$ svnadmin create my-svn-repo
bhargava@23372bc849b55ff:~$ _
```

```
bhargava@23372bc849b55ff:% svn mkdir file:///home/bhargava/my-svn-repo/trunk file:///home/bhargava/my-svn-repo/branches file:///home/bhargava/my-svn-repo/tags -m "Initial Structure"

Committing transaction...
Committed revision 1.
bhargava@23372bc849b55ff:% ■
```



- 9. Create a test directory called my-working-copy and add files like test-file.txt and file.txt.
- 10.Add the new files to svn and commit the changes using svn add and svn commit commands.
- 11. Verify the changes using svn log command
- 12. Checkout the repository to work locally

```
Dhargava@23372bc849b55ff:~% kd /home/bhargava/my-working-copy
bhargava@23372bc849b55ff:~% cd /home/bhargava/my-working-copy
bhargava@23372bc849b55ff:~/my-working-copy$ svn checkout file:///home/bhargava/my-svn-repo/trunk /home/bhargava/my-working-copy
Checked out revision 1.
bhargava@23372bc849b55ff:~/my-working-copy$ svn add test-file.txt

A test-file.txt

A test-file.txt

Adding test-file.txt

Transmitting file data .done
Committed revision 2.
bhargava@23372bc849b55ff:~/my-working-copy$ svn log file:///home/bhargava/my-svn-repo

12 | bhargava|23372bc849b55ff:~/my-working-copy$ svn log file:///home/bhargava/my-svn-repo

12 | bhargava|23372bc849b55ff:~/my-working-copy$ svn log file:///home/bhargava/my-svn-repo

13 | bhargava|23372bc849b55ff:~/my-working-copy$ svn log file:///home/bhargava/my-svn-repo

14 | bhargava|23372bc849b5ff:~/my-working-copy$ svn log file:///home/bhargava/my-svn-repo

15 | bhargava|23372bc849b5ff:~/my-working-copy$ svn log file://kdfloor

16 | bhargava@23372bc849b5ff:~/my-working-copy$ svn log file://kdfloor

17 | bhargava|23372bc849b5ff:~/my-working-copy$ svn add file.txt

18 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

18 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

18 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

19 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

10 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

11 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

12 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

13 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"

14 | bhargava@23372bc849b5ff:~/my-working-copy$ svn commit -m "Made changes to file.txt"
```

13. Now you will use svn-git to clone the SVN repository into your git repository new-git-repo

