SVN to GIT Migration

1. Trunk -> Creates the master branch in github
2. Tags -> Creates the releases in github
3. Branches -> Creates the branches in github

**Step 1: Generate the author file**

***Command:***

$ svn log -q | awk -F '|' '/^r/ {sub("^ ", "", $2); sub(" $", "", $2); print $2" = "$2" <"$2">"}' | sort -u > authors.txt

**Step2: Find the revision number at which project was created. Use command below:**

***Command:***

svn log --stop-on-copy [**https://svn.riouxsvn.com/fullrepo**](https://svn.riouxsvn.com/fullrepo)

**Step 3: git svn clone to convert your SVN project into Git.**

***Command:***

git svn clone -r1:HEAD --no-minimize-url --stdlayout --no-metadata --authors-file authors.txt [**https://svn.riouxsvn.com/fullrepo**](https://svn.riouxsvn.com/fullrepo)

**Step 4: Migrate to the Repository Folder**

***Command:***

cd fullrepo

git remote add origin <https://github.com/Sghosh1999/testrepo.git> (Adding Git repo path)

**Step 5: Converting SVN Branches to Git Branches: If you will list branches at this time, you will get something like below.**

Git svn clone command makes master from trunk that is ready to be pushed to remote git repository. But we want to push branches too. Use below commands for that:

***Command:***

$ **git checkout -b MyDevBranch origin/MyDevBranch**

(Which ever branch you want to add just checkout to that branch)

**Step 6: Migrating Tags (Software Releases)**

**Git svn clone command doesn’t create tags, follow below commands for creating tags and make them ready to push to remote.**

**$ git tag**

**$ git checkout origin/tags/MyDevBranch-1.0**

**$ git branch -a**

**$ git tag -a MyDevBranch-1.0 -m "creating tag"**

**$ git push origin master MyDevBranch MyDevBranch-1.0**