SVN - Migrating to Git

1. Create a user file of authors from your existing svn. This file should be of the form:

```
john = John Mehan <john.mehan@irdeto.com>
```

You can extract the authors from svn by using the following one liner:

```
svn log --xml | grep author | sort -u | perl -pe 's/.*>(.*?)<.*/$1 = /' | tee users.txt
```

2. Then download the svn data into a GIT repository:

```
mkdir repo && cd repo
git svn init http://subversion/repo --no-metadata
git config svn.authorsfile ~/users.txt
git svn fetch
```

3. When completed, Git will checkout the SVN `trunk` into a new branch. Any other branches are setup as remotes. You can view the other SVN branches with:

```
git branch -r
```

4. Clone your GIT-SVN repository into a clean Git repository:

```
git clone dest_dir-tmp dest_dir
rm -rf dest_dir-tmp
cd dest_dir
```

5. The local branches that you created earlier from remote branches will only have been copied as remote branches into the new cloned repository. (Skip trunk/master.) For each branch you want to keep:

```
git checkout -b local_branch origin/remote_branch
```

6. Finally, remove the remote from your clean Git repository that points to the now deleted temporary repository:

```
git remote rm origin
```