

Git tips and tricks

Documents how to do some simple things with git¹

1 Import svn repository

To import a svn repository, create your repository, and init git svn:

```
mkdir mygitrepo && git svn init http://my.repo.google.com/trunk
```

It's better to get only the trunk and not the branches and the tags: this creates several problems with git-svn

To create an initial copy, or update your content, use `git svn fetch`

To update your change, you moreover have to do `git svn rebase`

To commit your changes to the svn repo, use `git svn dcommit`

If you cloned the project, you have to add the svn remote branch manually. Add to `.gitconfig`, e.g:

```
[svn-remote "svn"]
url = https://svn.epfl.ch/svn/itp-team-lambda/trunk
fetch = :refs/remotes/git-svn
```

2 Merge two git projects

To merge one git repository (in `$repopath`) into another (e.g in subdirectory `$dir`), do:

```
git remote add -f Bproject $repopath
git merge -s ours --no-commit Bproject/master
git read-tree --prefix=${dir}/ -u Bproject/master
git commit -m "Merge B project as our subdirectory"
```

3 Revert a change to a file

To revert a file to a previous state, do:

```
git checkout $commit -- $filename
```

and commit the result.

¹<http://git-scm.com/>