

Setting up a git-svn working copy

Checkout an SVN repository	<code>git svn clone -s <url> <svn_repo> [--prefix=<prefix>]</code>	The <code>-s</code> option is used to specify that the SVN repo has the standard file tree; the <code>--prefix</code> option specifies the prefix for remote branches naming
Reflect & track remote ignores	<code>git svn show-ignore > .gitignore</code>	

Staging and committing changes

Add file/stage changes	<code>git add <file> [--all]</code>	The command is recursive; the <code>--all</code> option forces to stage deletions
Commit staged changes	<code>git commit [-m <message>]</code>	
Add and commit all changes	<code>git commit -a [-m <message>]</code>	
Commit changes to the SVN repo	<code>git svn dcommit [--rmdir]</code>	The <code>--rmdir</code> option forces the deletion of empty directories

Undoing things

Revert unstaged changes	<code>git checkout <file></code>	
Revert staged changes	<code>git reset HEAD <file></code>	
Revert committed changes	<code>git revert <revision></code>	The revision hash can be <code>HEAD</code> if you want to undo your latest commit (see the documentation of the <code>revert</code> subcommand for additional detail)

Working with branches

Create a branch on the SVN repo	<code>git svn branch <branch_name> [--parents]</code>	This has to be done if you want the branch to be committed to the SVN repo; the <code>--parents</code> option forces the creation of parent directories if needed
Create a local git branch based on an existing SVN branch	<code>git checkout -b <local_branch> <svn_branch></code>	This will keep both branches in sync

Be careful: if you rebase a branch on another, you might break something.

Make sure you run `git svn info` when you want to push modifications to an SVN branch to make sure you are committing to the appropriate branch: a broken SVN repo is hard to fix.

Useful resources

<https://viget.com/extend/effectively-using-git-with-subversion>

<http://justaddwater.dk/2009/03/09/using-git-for-svn-repositories-workflow/>



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