Git Subversion

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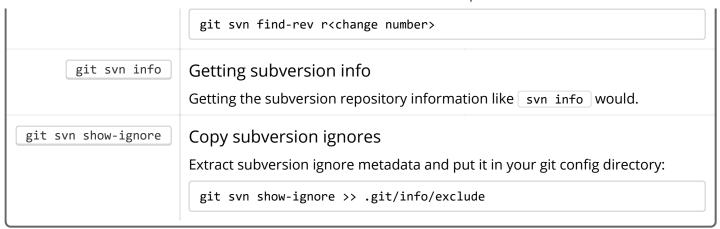
Cheat sheet for git-svn, using a git client to connect to a subversion repository. See <u>Git and Subversion</u>.

Creating a Repository	
git svn init	Initialize a git-svn repo
	Initializes the git-svn repository corresponding to a remote subversion repository with the standard layout.
	git svn init <svn-repo-url>stdlayoutprefix=origin/</svn-repo-url>
	Standard layout consists of trunk/, tags/, branches/. If the layout isn't standard, you can instead specify the subfolders:
	<pre>git svn init <svn-repo-url>trunk=<folder>tags=<folder>branches= <folder>prefix=origin/</folder></folder></folder></svn-repo-url></pre>
	Prefix is optional, but the default for git-svn will soon be origin/.
git svn fetch	Fetch subversion commits
	Once you've initialized the repository, you need to populate it with the commits from subversion. If you prefer, you can use <pre>git svn clone</pre> to do an init and fetch together.
git svn clone	Initialize and fetch together
	If you prefer to initialize the repository and fetch all at once, you might prefer:
	git svn clone <svn-repo-url>stdlayoutprefix=origin/</svn-repo-url>
	You have roughly the same options as you would for <code>git svn init</code> , but it will be followed up with an implicit fetch.

Using the Repository		
git svn rebase	Update your repository	
	You can't have local changes when you do this, so you'll need to commit or stash first.	
git svn dcommit	Push your commits Push the commits that you've committed to your git repository to the remote subversion repository.	

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	Branches
git svn branch	Create branch in subversion
	Create a new branch in the remote subversion repository:
	command 'git svn branch <branch name="">'</branch>
	If you specify -t ortag, it'll be a tag instead of a branch, but git svn tag i maybe simpler.
git svn tag	Create tag in subversion
	Create a new tag in the remote subversion repository:
	git svn tag <tag name=""></tag>
	This may be easier to remember than <code>git svn branchtag <branchname></branchname></code> .
git branch -r	List remote branches
	List all the remote subversion branches that your git repository knows about. This the same command you'd use in git.
git svn fetch	Fetch new branches
	Fetches new branches from subversion that your git repository doesn't know abou
git branch	Create a local branch
	If you want to create a local branch matching a remote branch but you don't want to switch to it:
	git branch <local branch="" name=""> remotes/<prefix>/<remote branch="" name=""></remote></prefix></local>
git checkout	Switch to a local branch
	Once you've created your local branch, switching to it is done in the same way as within git:
	git checkout <local-branch-name></local-branch-name>
git checkout -b	Create branch and checkout
	If you want to create the branch and switch to it right away, you can combine the two:
	git checkout -b <local-branch-name> remotes/<prefix>/<remote-branch-name></remote-branch-name></prefix></local-branch-name>

Metadata git svn find-rev Finding git commit for svn revision Finding the git commit corresponding to a revision number in the remote subversion repository:



Notes

• Created by Geoffrey Wiseman. Contributions welcome.

You can modify and improve this cheat sheet here