LOTARIS

git

Starting

clone (svn checkout)
git clone ~/existing/repo ~/new/repo
git clone git://host/repo.git
git clone ssh://user@host/repo.git

Working

add (svn add)
git add $file
rm (svn remove)
git rm $file
mv (svn move)
git mv $old_file $new_file

Updating

fetch (n/a)
 # Get server modifications but not merged
git fetch
git fetch $remote $branch
pull (svn update)
 # Get server modifications and merge
git pull [$remote $branch]

Branching

branch (n/a)
 # Create a new branch (from current state)
git branch $branch
 # Create a new branch from another
git branch $branch-1 $branch-2
 # Delete a branch
git branch -d $branch
 # Force deletion of a branch
git branch -D $branch
 # Check if a commit is present
git branch --contains $id
checkout (n/a)
 # Create a new branch and switch to it
git checkout -b $branch
 # Switch to another branch
git checkout $branch

Merging

checkout (n/a)
 # First, go to destination
git checkout $dest-branch
merge (n/a)
 # Merge content of branch into another
git merge $source-branch

Showing

status (svn status)
git status
diff (svn diff)
 # In current state
git diff
 # Between two commits, branches...
git diff $id1 $id2
log (svn log)
 # History
git log
 # Changes for file with diffs
git log -p $file $directory
show (n/a)
git show $id
 # File for a commit, branch...
git show $id:$file
blame (svn blame)
git blame $file
branch (n/a)
git branch
 # Show remotes
git branch -r
 # Show local and remotes
git branch -a

Stashing

stash (n/a)
 # Save local modification in temp space
git stash
 # Restore latest modif from temp space
git stash apply
 # List the stash space
git stash list
 # Empty the stash temp space
git stash clear
 # Create a branch from a stash state
git stash branch $branch $stash

Publishing

commit (svn commit)
 # Commit local modifications
git commit -m "a message"
 # Add and commit local modifications
git commit -am "a message"
push (svn commit)
 # Push modifications to central repo
git pull
 # Publish a new branch to a server repo
 # or publish a specific branch
git push $remote $branch
 # Propagate deletion of a branch
git push $remote :$branch

Reverting

reset (svn revert)
 # Reset to a specific commit
git reset $id
 # Reset to a specific commit for a file
git reset $id -- $file
 # Back to latest commit (destructive)
git reset --hard
checkout (n/a)
 # Reset a branch (uncom. changes lost)
git checkout $id
git checkout $id -- $file
revert (n/a)
 # Revert last commit (create new one)
git revert HEAD
 # Revert spec. commit (create new one)
git revert $id
commit (n/a)
 # Fix last commit (if not pushed)
git commit -a --amend

Others

grep (n/a)
 # Grep to the working copy
git grep "foo()"
remote (n/a)
 # Add a remote repository
git remote add $remote $url
 # Remove a remote repository
git remote remove $remote