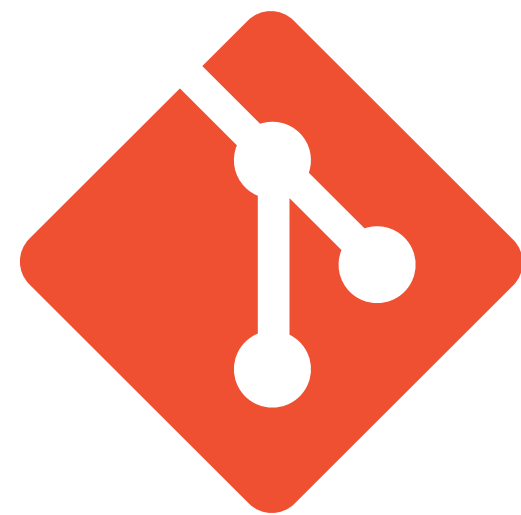




# LOTARIS



# 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
```

## 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
```

## 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
```

## 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
```

## 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
```

## 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]
```

## 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
```