

# git

<https://www.git-tower.com/blog/git-cheat-sheet/>

<https://confluence.atlassian.com/bitbucketserver/basic-git-commands-776639767.html>

## Start

```
git clone git@git.example.com:project.git
```

## Get the branch

```
git checkout branch1  
git pull
```

## Create new branch from current

```
git checkout -b temporary-branch  
git branch
```

## Submit changes to branch

```
git add somechangedfiles  
git commit -m "add some fix to somechangedfiles"  
git push origin temporary-branch
```

## Commit with auto add

```
git commit -a -m "fix something in couple of files"
```

## Get updates from source branch to your current

```
git pull origin master  
git push origin temporary-branch
```

## Remove temporary branch

```
git checkout master
git push origin :temporary-branch
git branch -d temporary-branch
git branch -D temporary-branch
```

## Change committed

### Squash commits

#### not published

```
git log
git rebase --interactive
#pick 02bbcc5 update1
#squash 22ee95e update2
#squash 1dcc468 update3
```

#### published

```
git rebase --interactive origin/temporary-branch~4 temporary-branch
git push origin +temporary-branch
```

### Discard all uncommitted changes

```
git checkout -f
```

### Remove last commit

```
git reset --soft HEAD~1
```

### Restore uncommitted file

```
git checkout filename
```

## Cherry-pick

```
git checkout source-branch
git log
git checkout destination-branch
git cherry-pick <commit-hash>
git push origin destination-branch
```