Git Cheat Sheet

A list of handy git commands to make your life easier!

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Create

Clone and Existing Repository

```
$ git clone ssh://user@domain.com/repo.git
```

Create a new local repository

```
$ git init
```

Clone and Existing Repository

```
$ git clone ssh://user@domain.com/repo.git
```

Clone and Existing Repository

```
$ git clone ssh://user@domain.com/repo.git
```

Local Changes

Changed files in your working directory

```
$ git status
```

Changes to tracked files

```
$ git diff
```

Add all current changes to the next commit

```
$ git add .
```

Add some changes in <file> to the next commit

```
$ git add -p <file>
```

Commit all local changes in tracked files

```
$ git commit -a
```

Commit previously staged changes

```
$ git add -p <file>
```

Add some changes in to the next commit

```
$ git commit
```

Change the last commit
Don't amend published commits!

```
$ git commit --amend
```

Branching & Tags

List all existing branches

```
$ git branch
```

Switch HEAD branch

```
$ git checkout <branch>
```

Create a new branch based on your current HEAD

```
$ git branch <new-branch>
```

Create a new tracking branch based on a remote branch

```
$ git checkout --track <remote/branch>
```

Delete a local branch

```
$ git branch -d <branch>
```

Mark the current commit with a tag

```
$ git tag <tag-name>
```

Update & Publish

List all currently configured remotes

```
$ git remote -v
```

Show information about a remote

```
$ git remote show <remote>
```

Add new remote repository, named <remote>

```
$ git remote add <remote> <url>
```

Download all changes from <remote>, but don't integrate into HEAD

```
$ git fetch <remote>
```

Download changes and directly merge/integrate into HEAD

```
$ git pull <remote> <branch>
```

Publish local changes on a remote

```
$ git push <remote> <branch>
```

Delete a branch on the remote

```
$ git branch -dr <remote/branch>
```

Publish your tags

```
$ git push --tags
```

Merge & Rebase

Merge <branch> into your current HEAD

```
$ git merge <branch>
```

Rebase your current HEAD onto <branch>
Don't rebase published commits!

```
$ git rebase <branch>
```

Abort a rebase

```
$ git rebase --abort
```

Continue a rebase after resolving conflicts

```
$ git rebase --continue
```

Use your configured merge tool to solve conflicts

```
$ git mergetool
```

Use your editor to manually solve conflicts

```
$ git add <resolved-file>
```

After resolving mark file as resolved

```
$ git rm <resolved-file>
```

Undo

Discard all local changes in your working directory

```
$ git reset --hard HEAD
```

Discard local changes in a specific file

```
$ git checkout <file>
```

Revert a commit (by producing a new commit with contrary changes)

```
$ git revert <commit>
```

Reset your HEAD pointer to a previous commit & discard all changes since then

```
$ git reset --hard <commit>
```

Reset your HEAD pointer to a previous commit & preserve all changes as unstaged changes

```
$ git reset <commit>
```

Reset your HEAD pointer to a previous commit & preserve uncommitted local changes

```
$ git reset --keep <commit>
```