

GIT

CHEAT SHEET



Top 10 commands

- Create a new repository.
`git init`
- Add all current changes to the next commit.
`git add .`
- Commit all local changes in tracked files
`git commit -a -m 'message'`
- Create a new branch.
`git branch <new-branch>`
- Switch the current branch.
`git checkout <branch>`
- Update the local branch (HEAD branch).
`git pull <remote> <branch>`
- Publish local changes to the remote.
`git push <remote> <branch>`
- Merge a branch into the current branch.
`git merge <branch>`
- Clone a GIT repository.
`git clone ssh://user@domain.com/repo.git`
- Reset the current HEAD to a specific commit.
`git reset --hard <commit>`

Manage local changes

- Show all commits.
`git log`
- Show the state of the working AND staging areas. Show changed files.
`git status`
- List the changes between your current working directory AND staging area.
`git diff`
- Show a log of all the updates made to a branch.
`git reflog`

Manage a branch

- List all the branches.
`git branch -av`
- Create a new branch.
`git branch <new-branch>`
- Delete a local branch.
`git branch -d <branch>`
- Delete a remote branch.
`git push <remote> --delete <branch>`



GIT CHEAT SHEET

Manage a tag

- List all the tags.

```
git tag
```

- Create a tag.

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

- Publish all the tags to the remote.

```
git push --tags
```

- Delete a local tag.

```
git tag -d <tagname>
```

- Delete a remote tag.

```
git push --delete origin <tagname>
```

Manage a remote

- List all the remotes.

```
git remote -v
```

- Show information about a remote.

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

- Add a new remote.

```
git remote add <name> <url>
```

- Remove a remote.

```
git remote remove <name>
```

- Download all the changes from a remote (without merging them into HEAD).

```
git fetch <remote>
```

Rewrite the history

- Modify the last commit.

```
git commit --amend
```

- Rebase the current branch onto a base.

```
git rebase <base>
```

- Interactively rebase the current branch onto a base.

```
git rebase -i <base>
```

Undo the changes

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

```
git revert <commit>
```

- Discard local changes in a specific file.

```
git checkout HEAD <file>
```

- Reset to a previous commit.

```
git reset <commit>
```

- Discard all local changes.

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

Configure the GIT user

- Define the author's name.

```
git config --global user.name <name>
```

- Define the author's email.

```
git config --global user.email <email>
```