

git (GitHub CLI)

Packages:

```
sudo apt install gh git
```

Configuring gh and git

Login via (just follow the prompts)

```
gh auth login
```

Config username and email: → remove `--global` option to just configure the login for one specific repository/directory

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

```
git config --global user.name "<github-username>"
```

Replace `email-address` with your GitHub email and `github-username` with your username.

Initialize directory for git

Change to the highest directory of your project, then initialize repository:

```
git init
```

Add the remote:

```
git remote add origin '<url>'
```

In case of GitHub `<url>` for example can be <https://github.com/<username>/<repository>/>.

Pushing changes to GitHub

Add files to commit:

```
git add /path/to/file(s)
```

View status of changes:

```
git status
```

Before starting to edit, sync external changes*:

```
git pull origin <branch>
```

Create commit:

```
git commit -m <message>
```

Push changes*:

```
git push origin <branch>
```

*Replace branch with the concerning branch, e.g. main.

git merge and git rebase

Merge:

```
git merge
```

Rebase:

```
git rebase
```

Differences:



Sourced from: stackoverflow.com - [git merge & git rebase](#)

From:
<http://fixes.brecht-schule.hamburg/> - Fixes | Public BIT Wiki

Permanent link:
<http://fixes.brecht-schule.hamburg/linux/command-collection/git?rev=1690711889>

Last update: **2023/07/30 12:11**

