

GIT



What is git?





What is git?

- A distributed version control system. (Global Information Tracker)
- Open source project originally developed in 2005 by Linus Torvalds.
- A command line utility.
- You can imagine git as something that sits on top of your file system and manipulates files.



Installing Git

Windows: `git-scm.com/download/win`

Mac: `git-scm.com/download/mac`

Linux: `sudo apt-get install git` (Ubuntu)

or: `sudo yum install git` (Fedora)

Once installed check Git version: `git --version`



First time Git setup

- **Your Identity:**

```
git config --global user.name "Your Name"
```

```
git config --global user.email example@smartosc.com
```

- **Checking your settings:**

```
git config --list
```


Commads



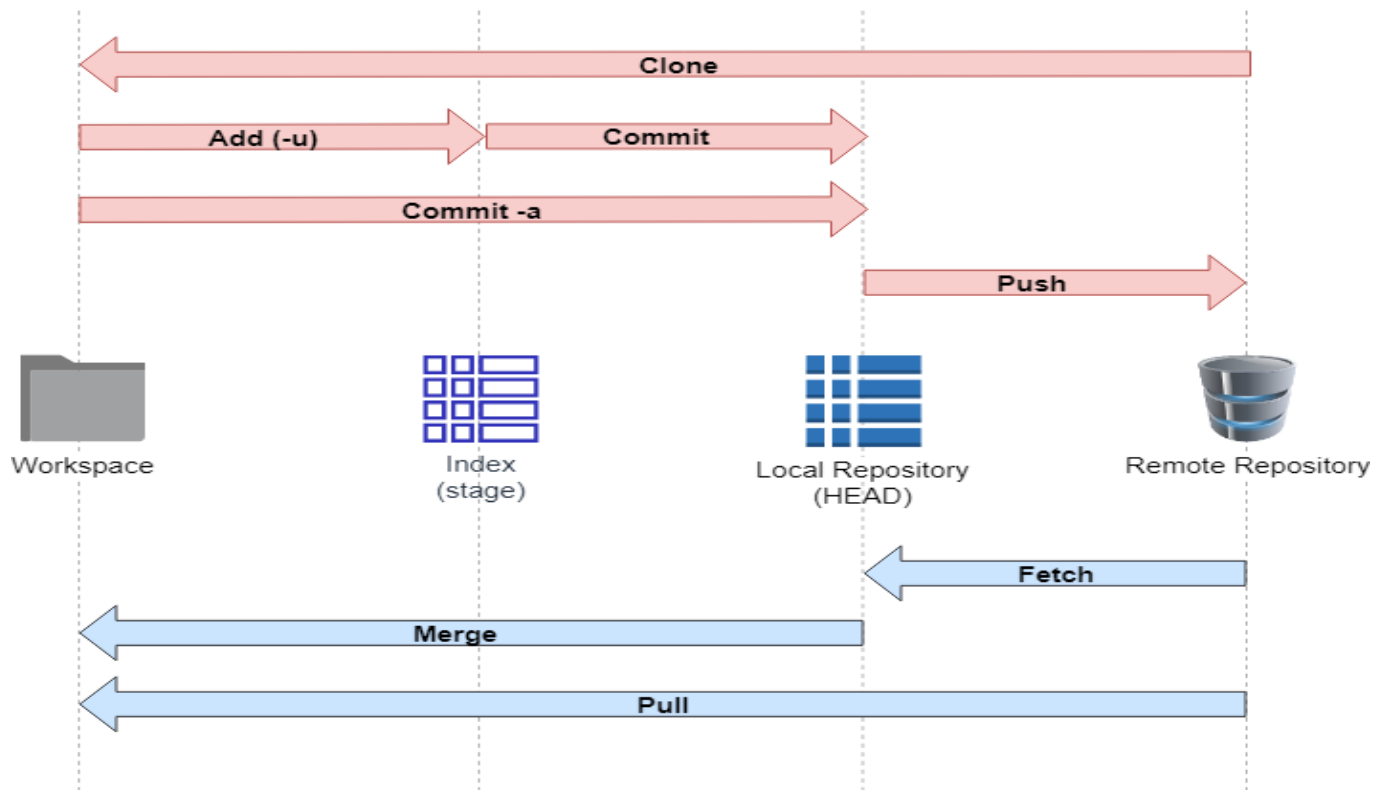


Git commands

For most of the basic interactions with git you'll mainly use 10 commands that we'll cover here:

- ❖ git init
- ❖ git clone
- ❖ git fetch
- ❖ git status
- ❖ git add
- ❖ git commit
- ❖ git pull
- ❖ git push
- ❖ git merge
- ❖ git checkout

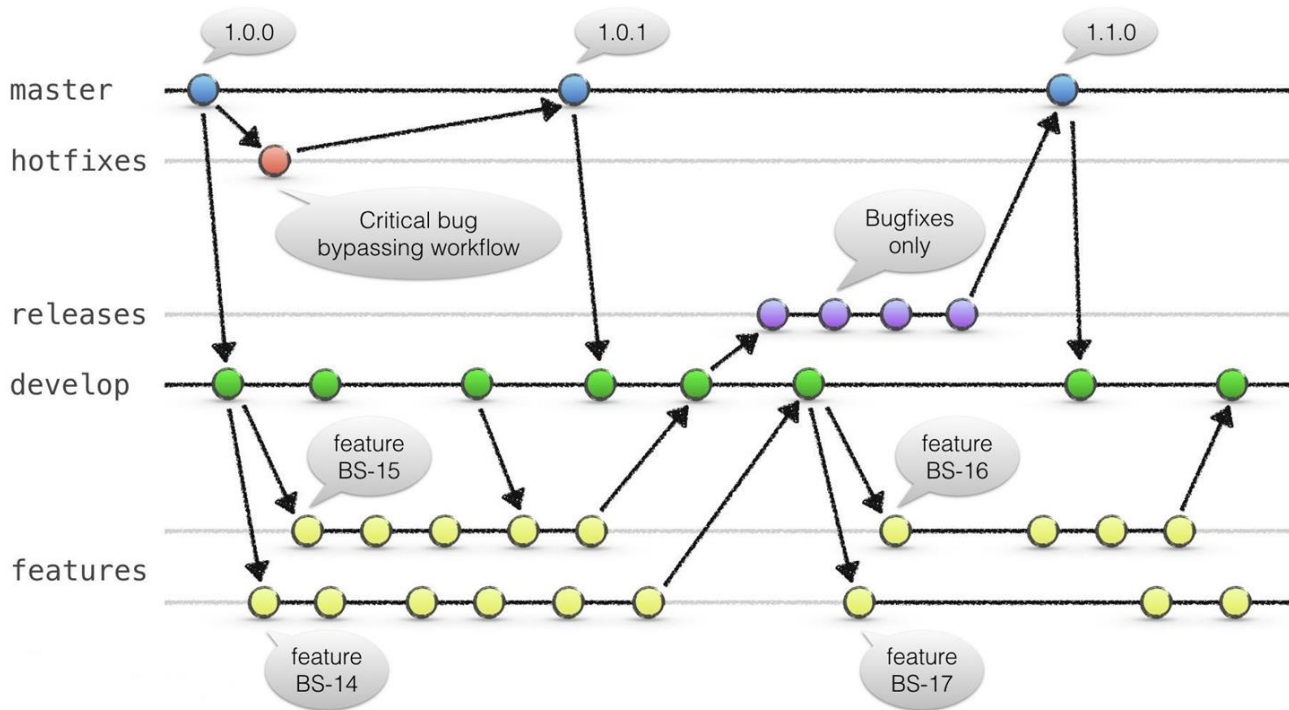
Git data transport commands



Git process



Git process



Demo





References:

Git cheat sheet:

- ❖ <https://jan-krueger.net/git-cheat-sheet-extended-edition/>
- ❖ <http://ndpsoftware.com/git-cheatsheet.html>

Git process:

- ❖ <https://nvie.com/posts/a-successful-git-branching-model/>

Git GUI Client Tool:

- ❖ <https://git-scm.com/downloads/guis>

Q&A

