Remote Repository (GitHub)

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1 Recap- Git Workflow

Recap-Basic Commands

git init

git status

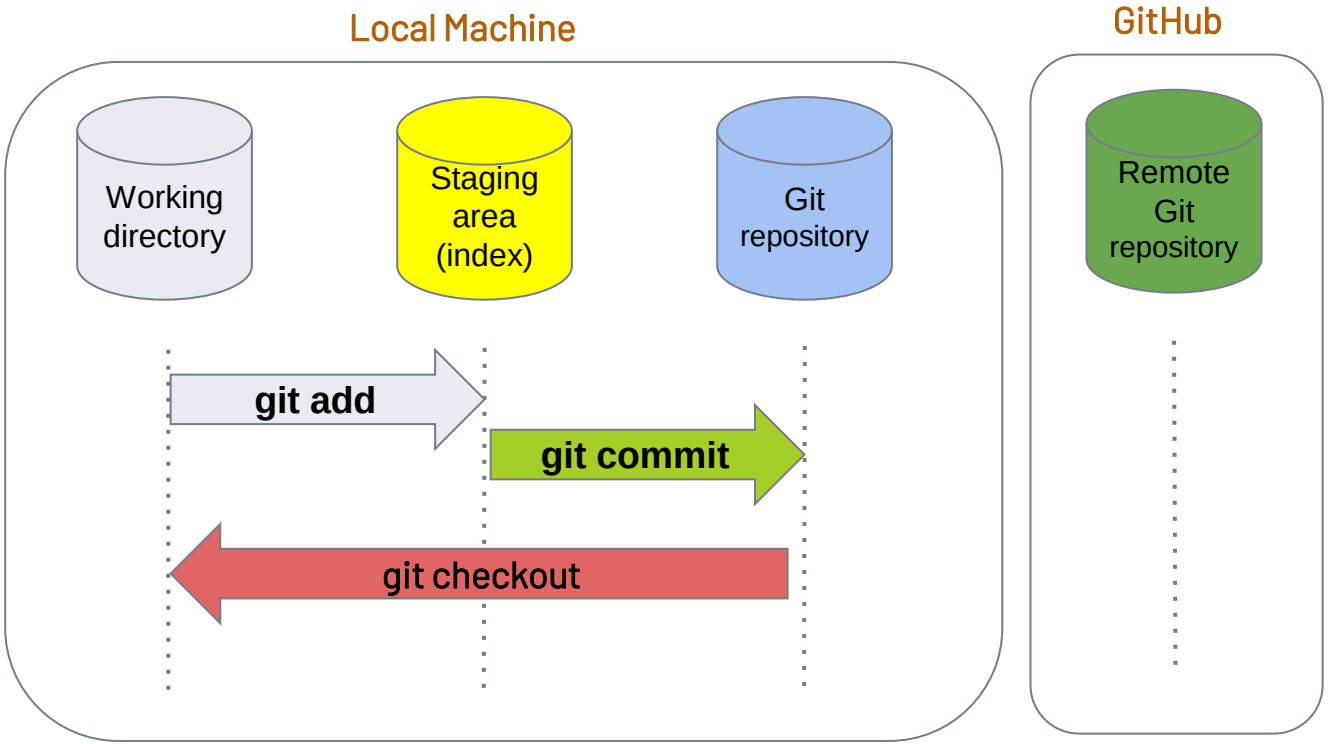
git add .

git rm --cached

git commit -m “abc”

git log

git checkout commitID



Recap-Branches

git branch branch_name

git branch

git branch -r

git branch -a

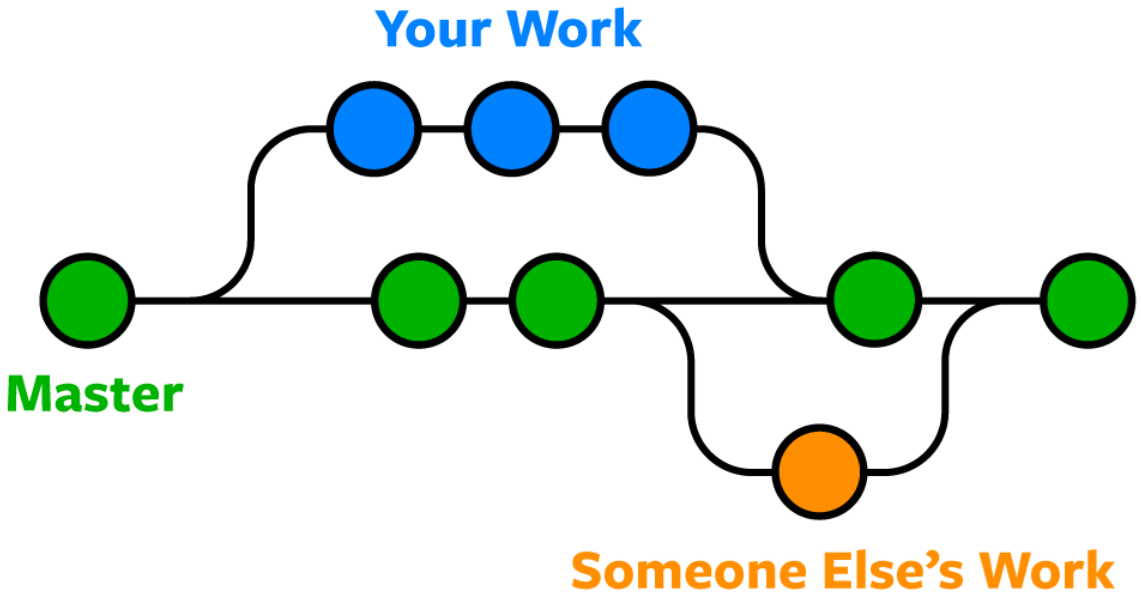
git checkout branch_name

git checkout -b branch_name

git branch -d branch_name

git branch -D branch_name

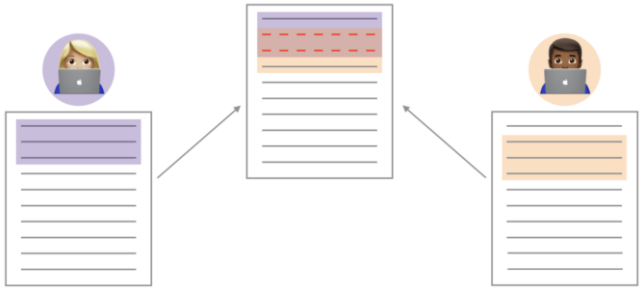
git merge branch_name

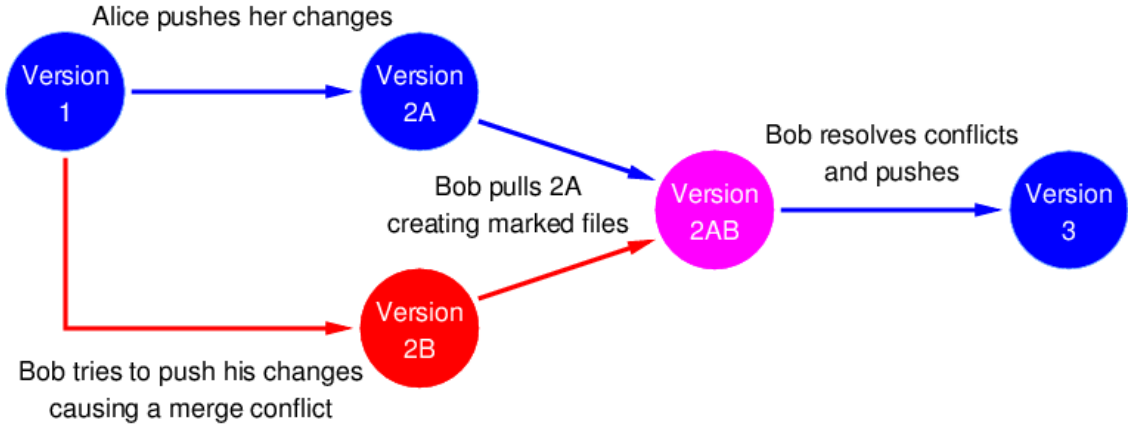


Merge Conflicts

Merge conflicts happen when you merge branches that have competing commits, and Git needs your help to decide which changes to incorporate in the final merge.

Same files were edited in both branches





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Remote Repository (GitHub)

Github - Remote Repository

Git

&

GitHub

Distributed version-control system

Repository hosting service

Github - Remote Repository

Bitbucket

+ Follow + I use this

Stacks	Followers	Votes
25.8K	19.2K	2.8K

GitHub

+ Follow + I use this

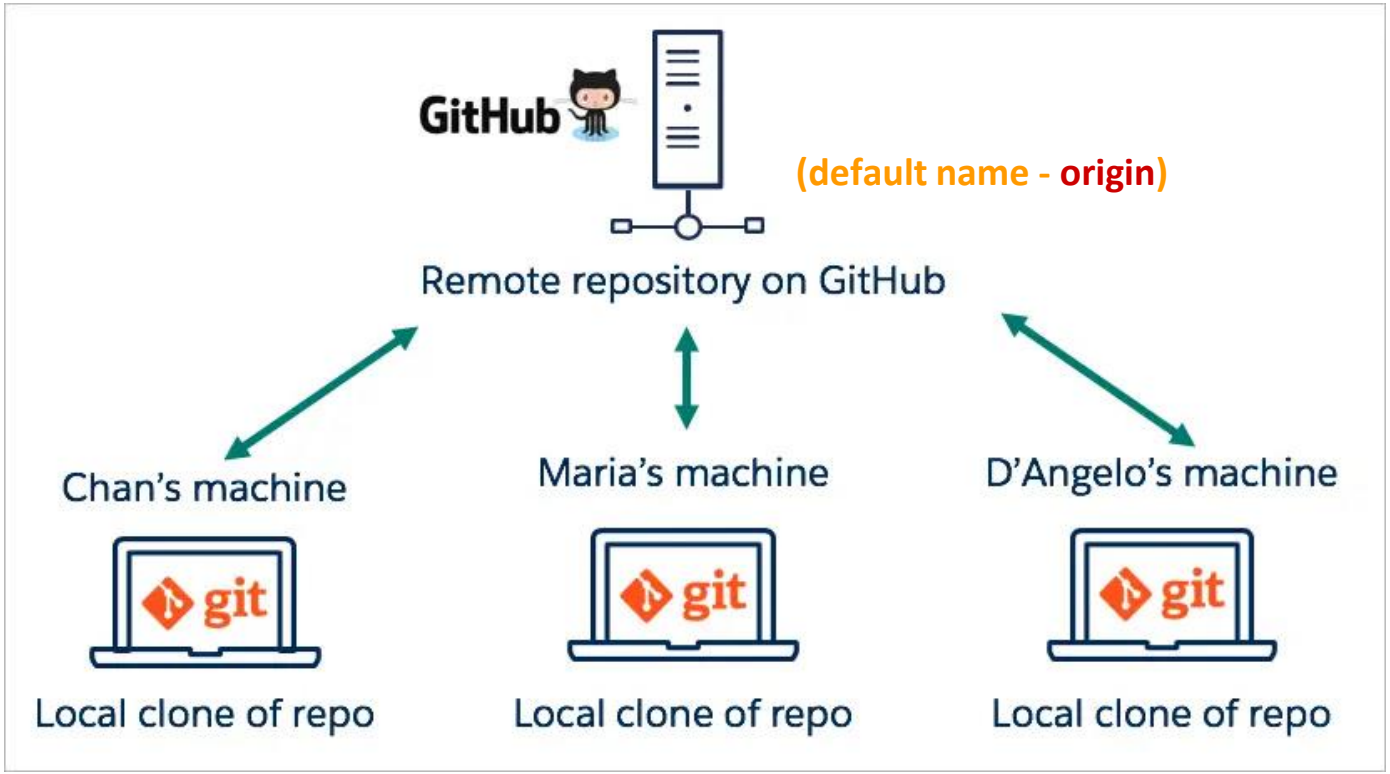
Stacks	Followers	Votes
132.1K	99.8K	10.1K

GitLab

+ Follow + I use this

Stacks	Followers	Votes
30.5K	23.4K	2.3K

Github - Remote Repository



Github - Remote Repository

- Act of copying a repository from remote server to your local machine is called **cloning**
- Cloning allows team to work together
- Downloading commits from others : **fetch, merge**
- Downloading commits from others : **pull (fetch + merge)**
- Uploading your commits (local changes) to remote : **push**

Connecting your local with remote

- connect to remote repo

```
git remote add origin Repo address
```

```
git remote -v
```

origin = alias for your repo address

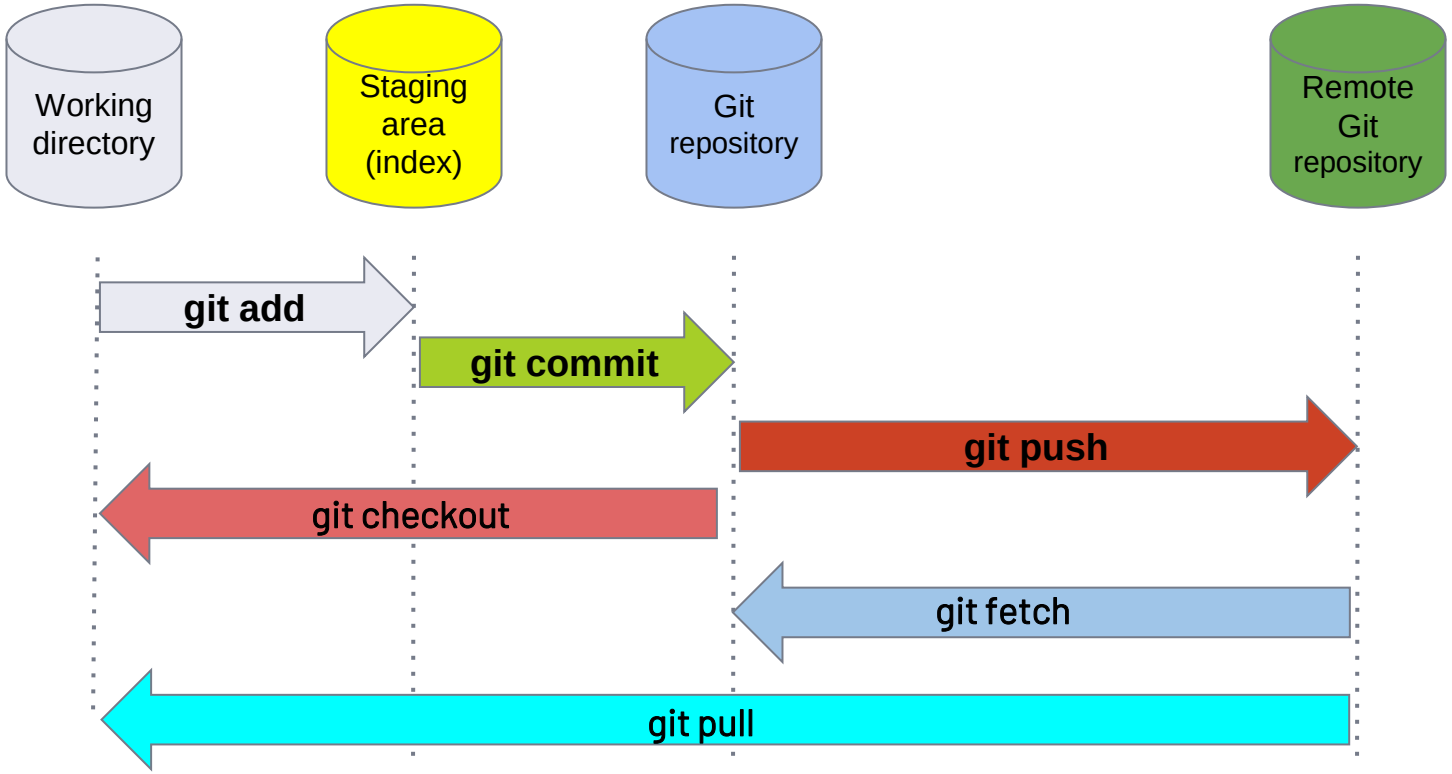
- first push

```
git push -u origin master
```

- remove remote origin

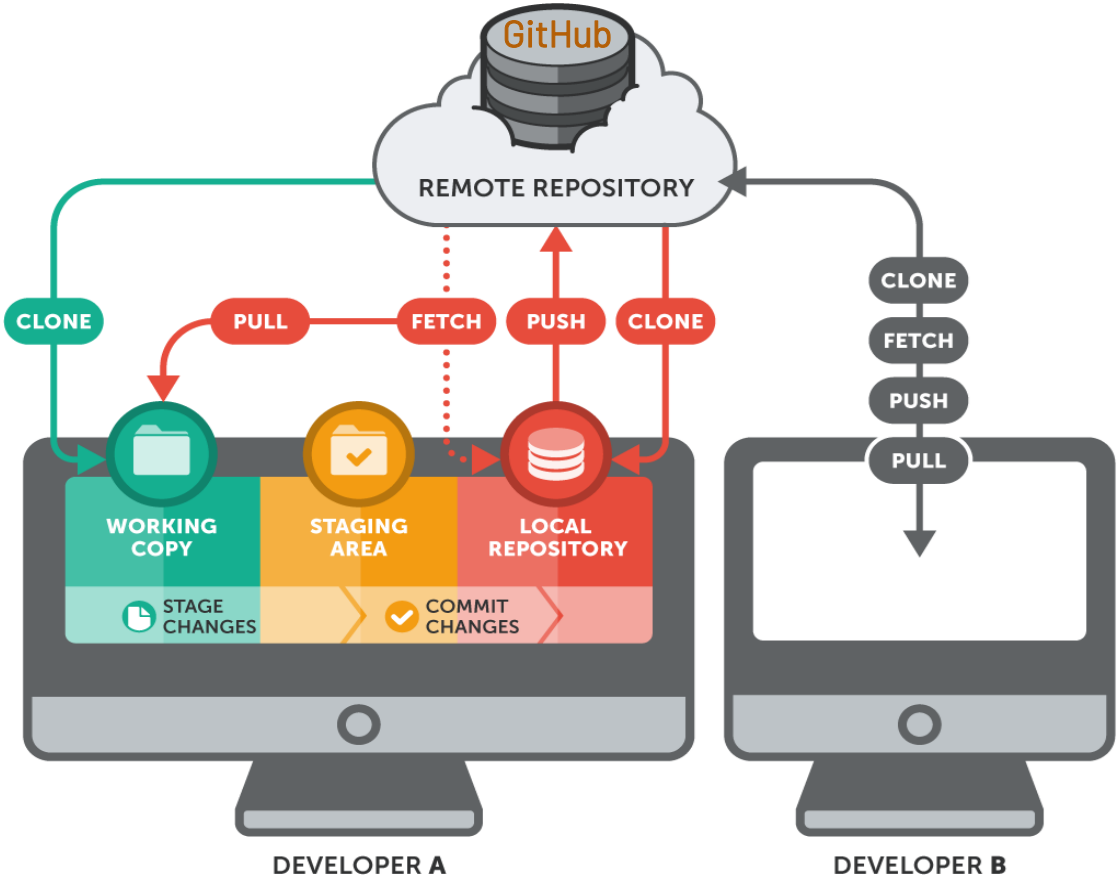
```
git remote rm origin
```

Github - Remote Repository



Summary

Git Basics


GitHub
REMOTE REPOSITORY
CLONE
PULL
FETCH
PUSH
CLONE
CLONE
FETCH
PUSH
PULL
WORKING COPY
STAGING AREA
LOCAL REPOSITORY
STAGE CHANGES
COMMIT CHANGES
DEVELOPER A
DEVELOPER B

THANKS!

Any questions?

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