



# Remote Repository (GitHub)



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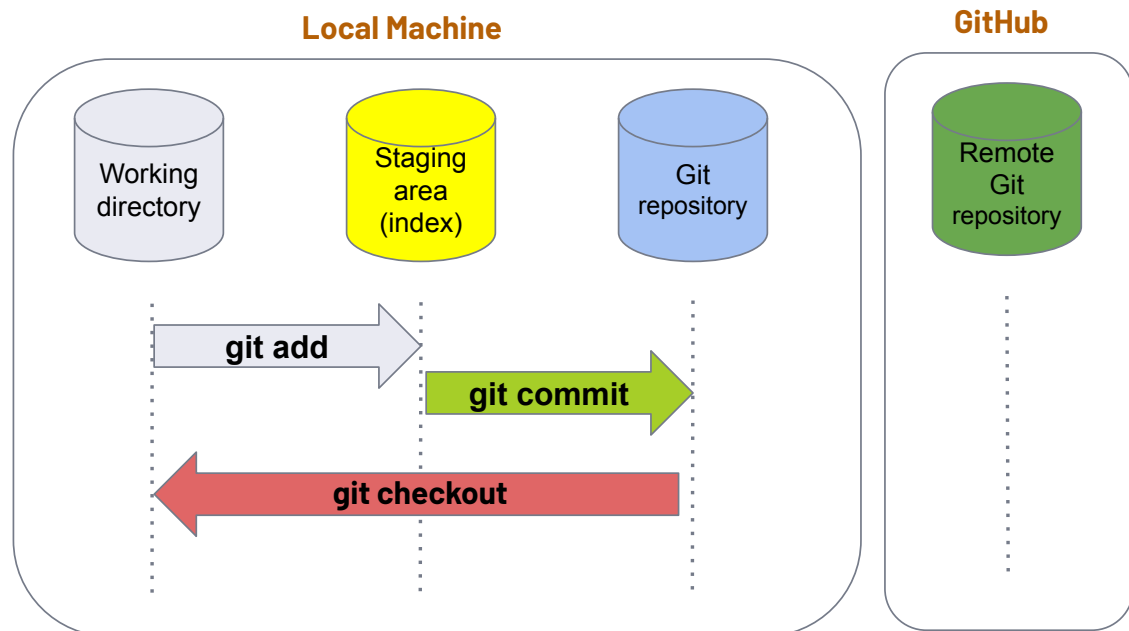
# Recap- Git Workflow

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## Recap-Basic Commands



git init  
git status  
git add .  
git rm --cached  
git commit -m "abc"  
git log  
git checkout **commitID**

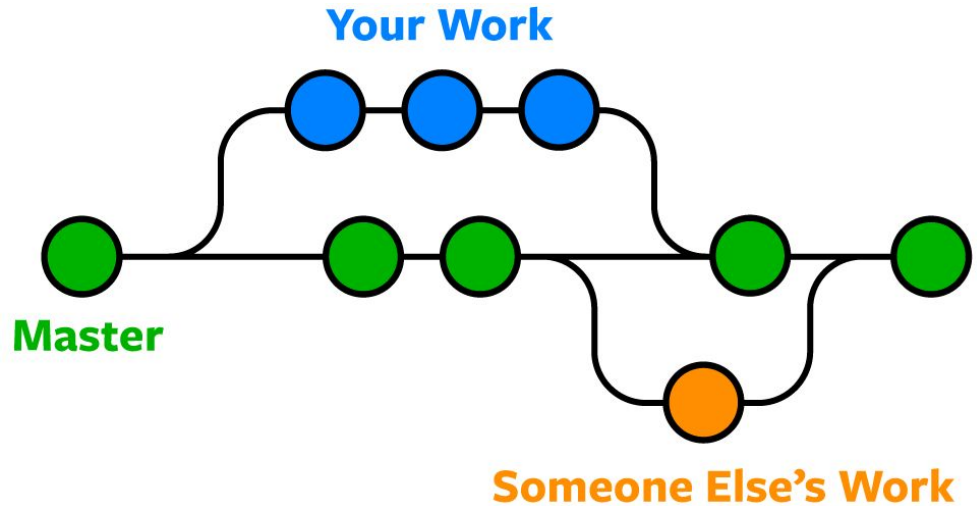


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# Recap-Branches

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**

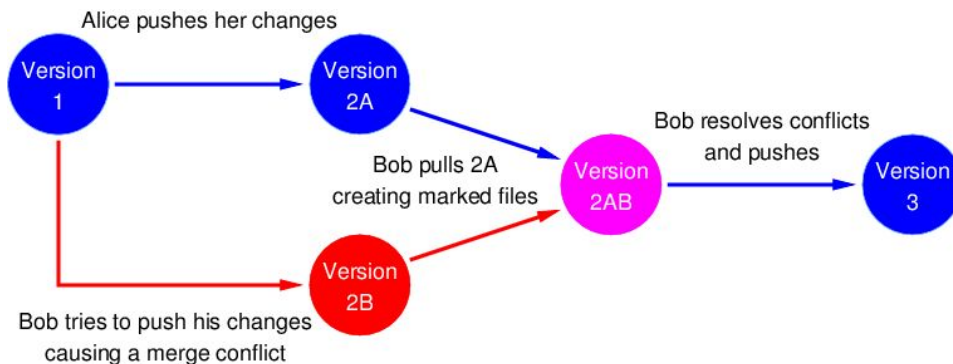
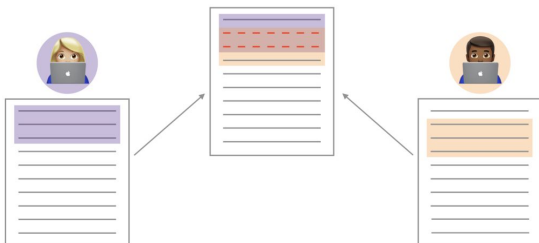


# Merge Conflicts



**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



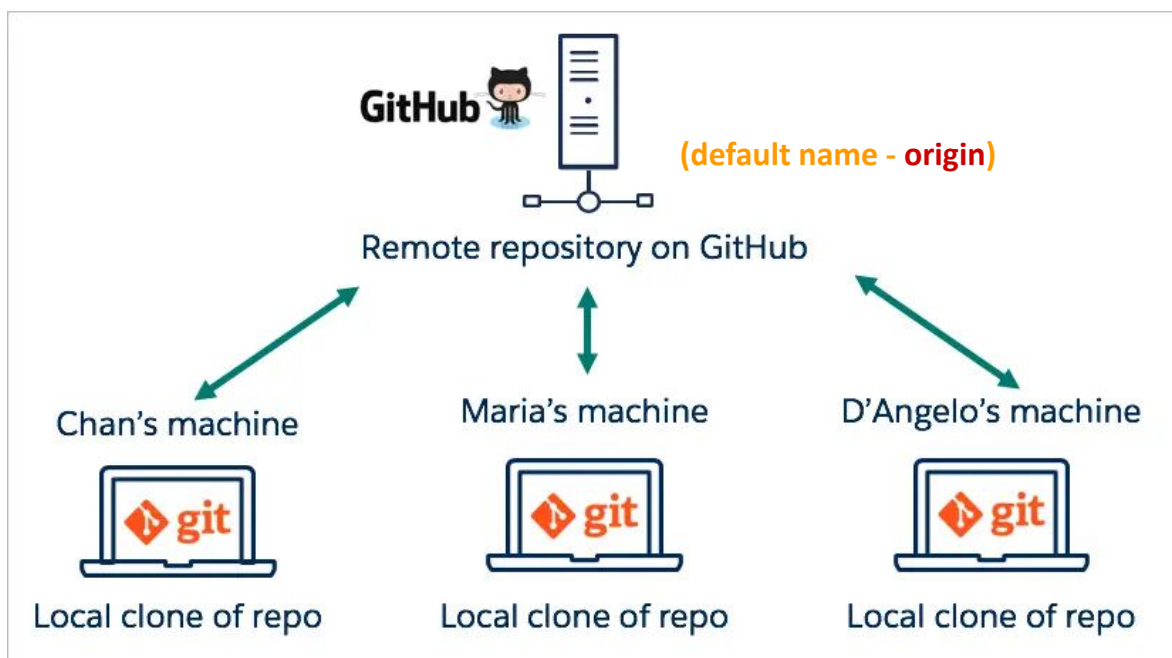
Distributed  
version-control system

Repository hosting service

# Github - Remote Repository

 Bitbucket	 GitHub	 GitLab																		
<a href="#">+ Follow</a> <a href="#">+ I use this</a>	<a href="#">+ Follow</a> <a href="#">+ I use this</a>	<a href="#">+ Follow</a> <a href="#">+ I use this</a>																		
<table><tr><th>Stacks</th><th>Followers</th><th>Votes</th></tr><tr><td>25.8K</td><td>19.2K</td><td>2.8K</td></tr></table>	Stacks	Followers	Votes	25.8K	19.2K	2.8K	<table><tr><th>Stacks</th><th>Followers</th><th>Votes</th></tr><tr><td>132.1K</td><td>99.8K</td><td>10.1K</td></tr></table>	Stacks	Followers	Votes	132.1K	99.8K	10.1K	<table><tr><th>Stacks</th><th>Followers</th><th>Votes</th></tr><tr><td>30.5K</td><td>23.4K</td><td>2.3K</td></tr></table>	Stacks	Followers	Votes	30.5K	23.4K	2.3K
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# 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

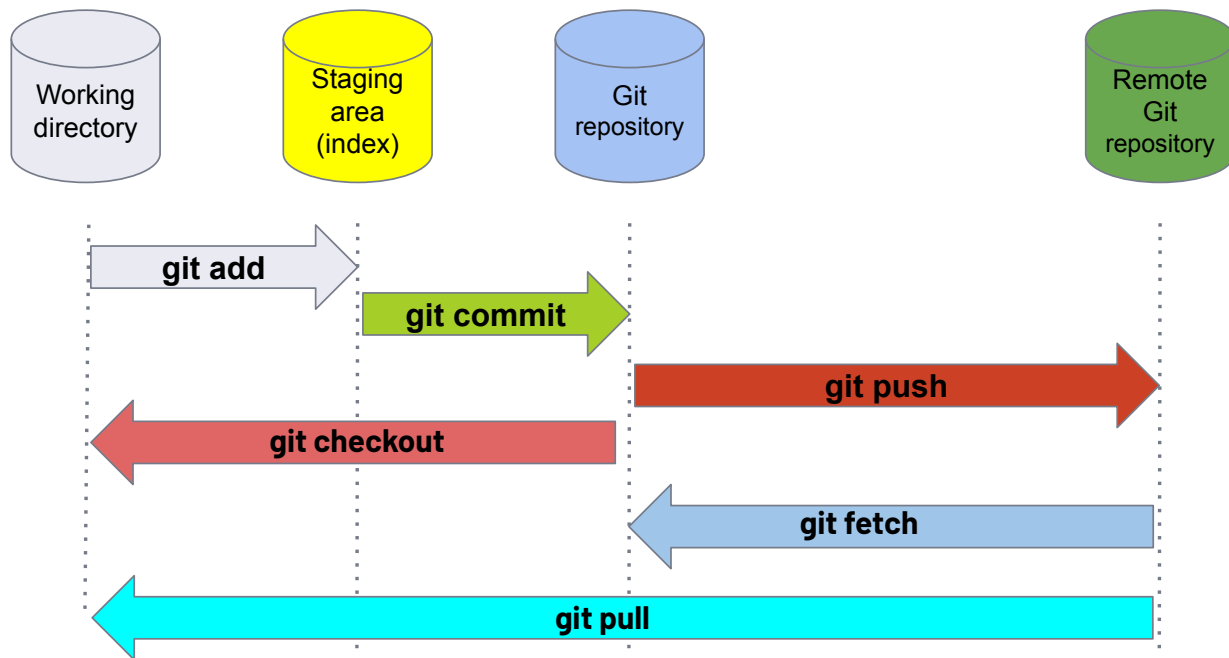
- first push

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

- remove remote origin

```
git remote rm origin
```

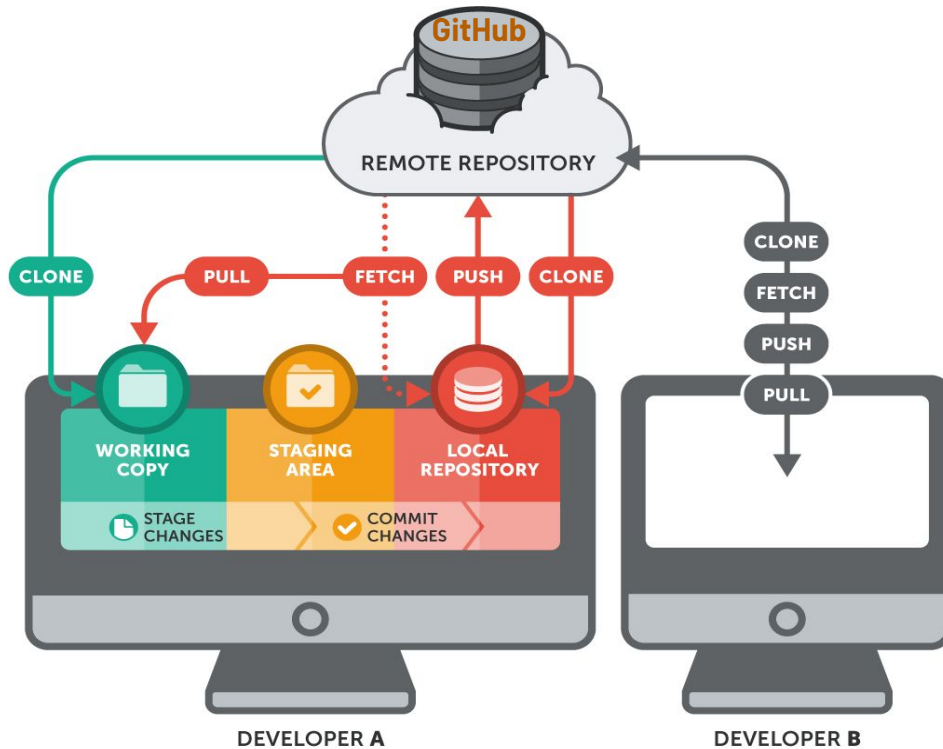
# Github - Remote Repository



## Git Basics

## Summary

# Git Basics



# THANKS!

## Any questions?

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