Git,Github:Don't get scared,Get started

Rosni K V

Govt. Engg College , Sreekrishnapuram

rosnikv@gmail.com

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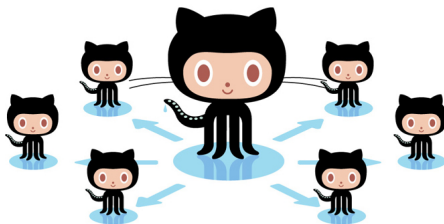
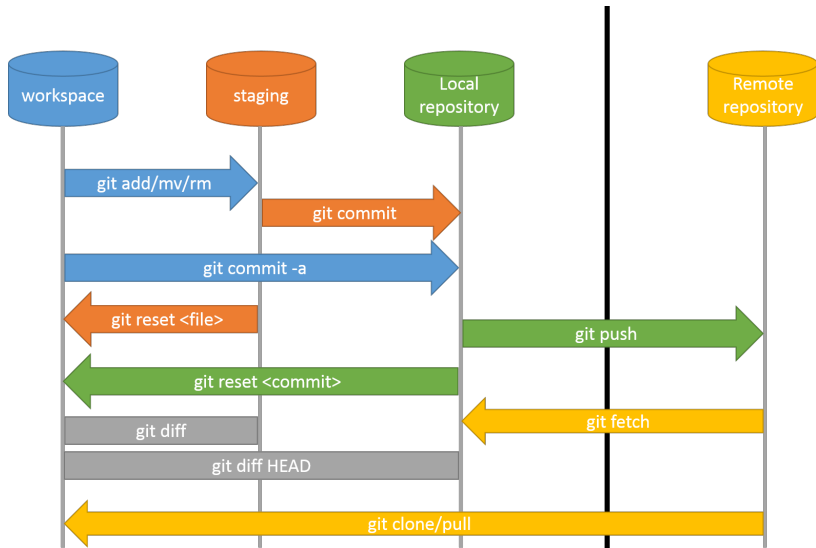## Overview

Heard about git ?

- **Git is a free and open source distributed version control system.**
- It is a version control system means that it can help you keep track of files that are frequently changed.

Git architecture

Git architecture

Workflow

The basic Git workflow goes something like this:

- You modify files in your working directory.
- You stage the files, adding snapshots of them to your staging area.
- You do a commit, which takes the files as they are in the staging area and stores that snapshot permanently to your Git directory.

What about Github ?

- **GitHub is an amazing service.**

- GitHub is a web-based service for people who want to use git.

- Its widely used by teams who want to make some or all of their work publicly available under an open source license.

- Since thats what we do, we feel that GitHub is a natural choice for us to store our code.

- it's a social network that has completely changed the way we work :)

How to get started ?

Words People Use When They Talk About Git

1. Command Line
2. Repository
3. Version Control
4. Commit
5. Branch

some commands

Getting a Repository

1. git init
2. git clone

Commits
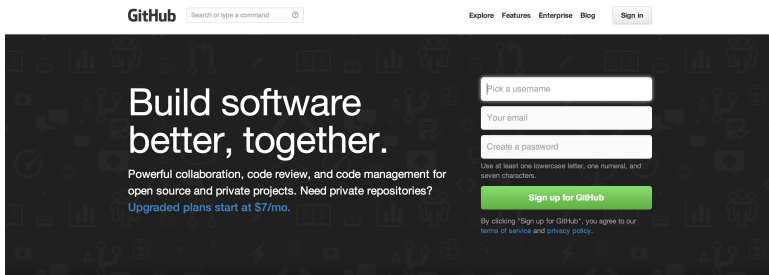
1. git add
2. git commit

Getting information

1. git help
2. git status
3. git diff
4. git log
5. git show

Setting up git and github

- **Make yourself a GitHub account first.**

Setting up git and github

- **And install git in your system**

Try some specific commands

1. git init
2. git config
3. git help
4. git status
5. git add
6. git commit

1. git branch
2. git checkout
3. git merge
4. git push
5. git pull

Working with git

**first git commands !**

git config –global user.name "Your Name Here"
git config –global user.email "your_email@youremail.com"

Our first git repo

Create new repo from your github page,it is the online repository...

Our first git repo

Now create the local repository...

- mkdir /home/user/MyProject
- cd /home/user/MyProject
- git init

If you already had a repository ready to go, you'd just need to cd to that directory and then run the git init command in there instead.

Run this command to create a README file: *touch README*
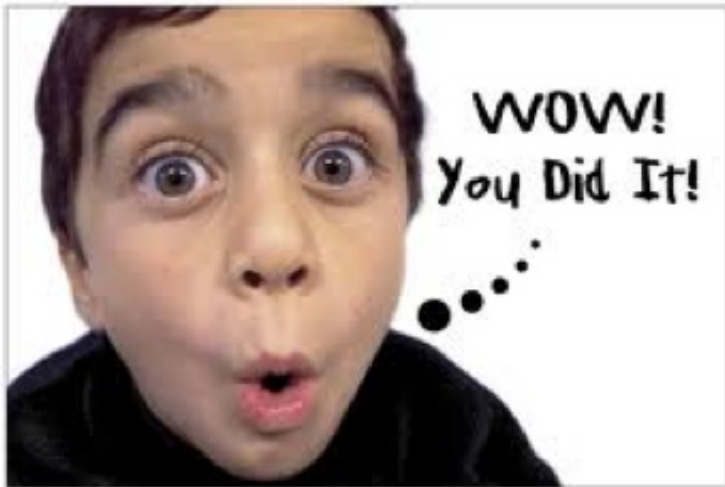
Our first git repo

- git add README Now, run this command to commit it:
- git commit -m 'first commit' To get this empty README file to GitHub, you need to push it with a couple of commands.
- git remote add origin https://github.com/yourusername/Hello-World.github
- git push origin master

Congratulations on your first commit!

Check codeschool¡¿ to explore and learn more about git.

Have fun managing your code!