
SYNTHETIC INTELLIGENCE : GIT FROM GITHUB TO PRIVATE SERVER
SYNTHETIC INTELLIGENCE

module3

lets have some practice

- ✗ Lets practice some of the commands
- ✗ What is git ,github and gitlab
- ✗ Know your git commands
- ✗ Performing basic operations
- ✗ Connecting pc to remote repository
- ✗ Setting up ssh and API
- ✗ Commit and push to remote repo

So what now

Lets have some practice

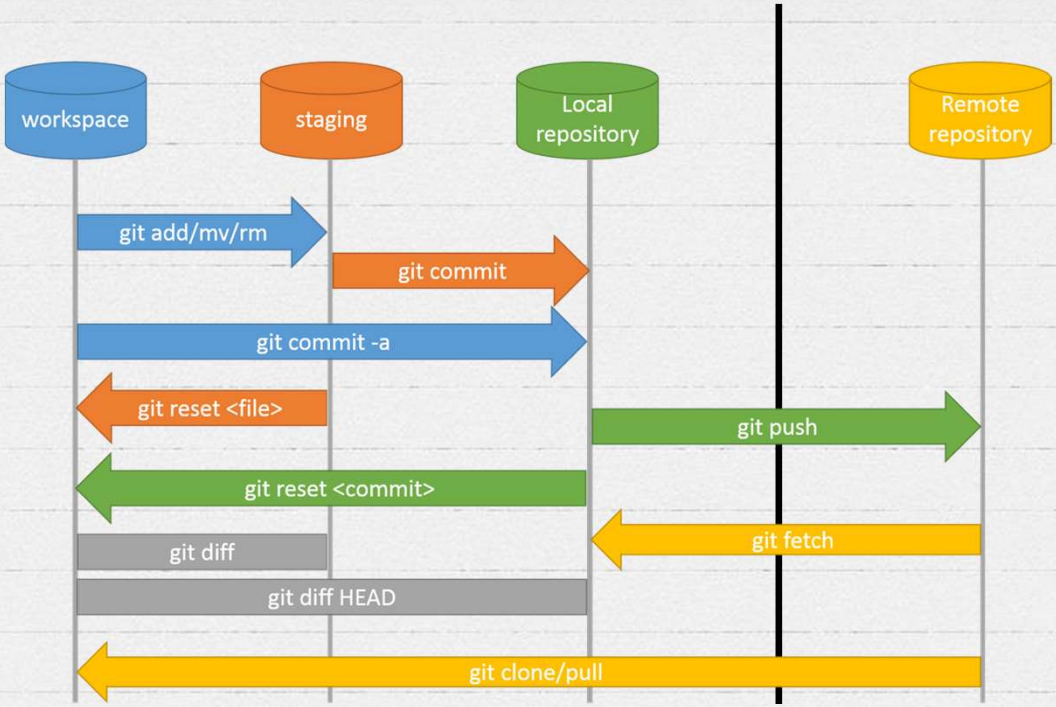
LETS PRACTICE SOME OF THE COMMANDS

WHAT IS GIT, GITHUB AND GITLAB

- ✗ Git is the tool for the purpose of version control
- ✗ Github is a repository hosting platform for the git codes both as public[free] and private [paid]
- ✗ Gitlab is a repo hosting platform both as public and private[free upto 5 ,see their website] and also a program to make your own private repository hosting server for better security and complete control.

KNOW YOUR GIT COMMANDS

- ✓ Git init
- ✓ Git clone
- ✓ Git commit
- ✓ Git add .
- ✓ Git add –a/A
- ✓ Git commit –m "comment"
- ✓ Git push
- ✓ Git pull
- ✓ Git fetch
- ✓ Git remote add "link"
- ✓ Git branch branchname
- ✓ Git checkout branchname
- ✓ Git stash
- ✓ Git config
- ✓ Git merge
- ✓ Git log
- ✓ Git status
- ✓ Git reset
- ✓ Git diff
- ✓ ssh-keygen -t rsa -b 4096 -C "*your_email@example.com*"



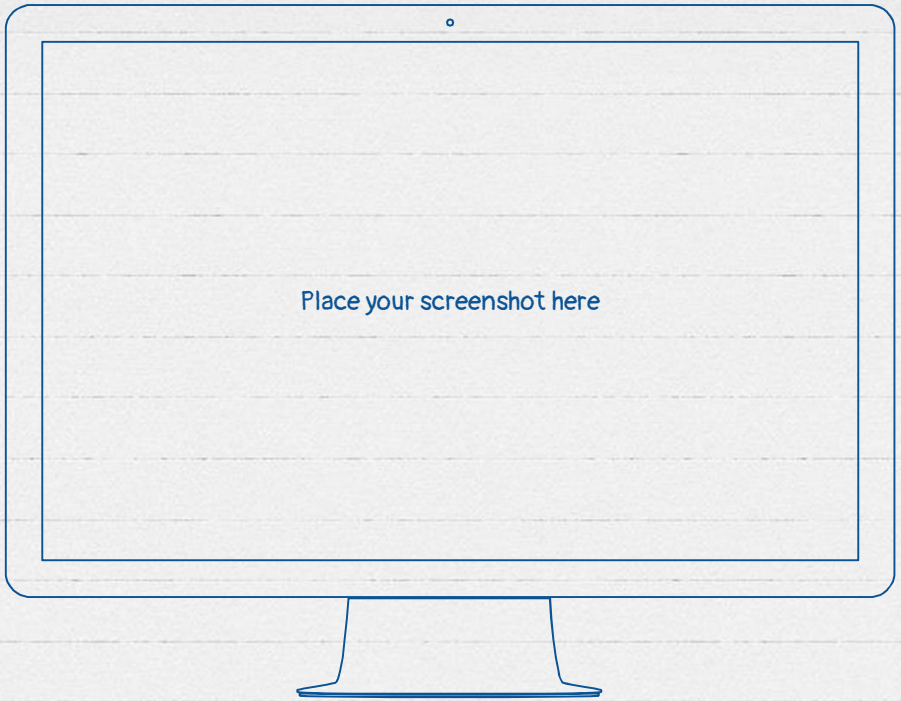
PERFORMING BASIC OPERATIONS

We are performing the basic command for the git/
They are
Git init
Git status git add . Or –a
Git commit -m "your message"
Git branch branchname
Git checkout branchname
Git log for the hash file info

CONNECTING PC TO REMOTE REPROSITORY

Create a repo at the host .
[ww.github.com]
Perform git init
Connect using git remote add origin master
Prompt for password and SSH key in GITLAB

clone the repo
Good to go



Setting up SSH key and API

The git for the purpose of he safety provides the method of generating the ssh keys they are to be updated by the maintainer a t he main repository and then verified by the local developer for the developer to access the git repos
The developer can generate them in the GIT BASH and then it can be added by the maintainer for the access of the repos

Commit and push it to remote

Once the code is confirmed the it needs to be committed by the developer . This generates a permanent proof of the user who committed the code .there is no anonymous method to commit the code

Once committed the code can be sent to the main repo at github by 'git push' command
This updates the code at the github repo in the respective branch

Git log is the important method to track the commit status by the users and the commit state can be reverted if needed by taken the first 4 chars of the string as the reference location and git revert command


Up next
Module 4
A real-time project