

What is GIT?

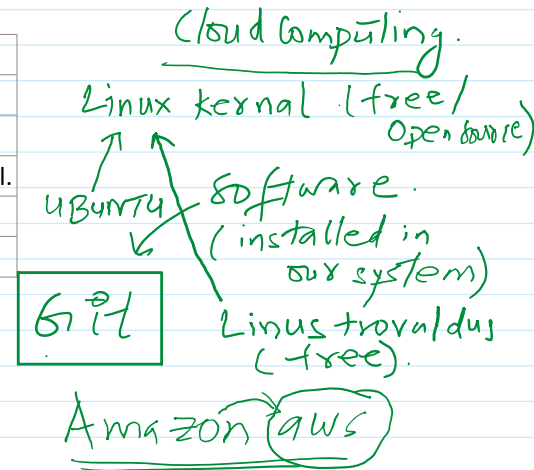
Git is a distributed Version Control System (VCS) Used to track changes in source code during software development. It allows multiple people to collaborate, maintain history and work on different versions of the project simultaneously.

Features of Git

Feature	Description
Distributed	Every developer has a full copy of the repository.
Version Control	Tracks changes and allows reverting to previous version.
Branching and Merging	Enables multiple features or bug fixes to be developed in parallel.
Staging area.	Intermediate area before committing changes.
Lightweight	Fast and efficient even for large projects.

Common terminologies

Term	Meaning
Repository(repo)	A project tracked by Git.
Commit	A snapshot of changes.
Branch	A parallel version of the repository.
Merge	Combine changes from different branches.
Clone	Copy an existing repo to your system.
Pull	Fetch and integrate changes from remote.
Push	Upload your changes to remote.
Head	Pointer to the latest commit in the current branch.



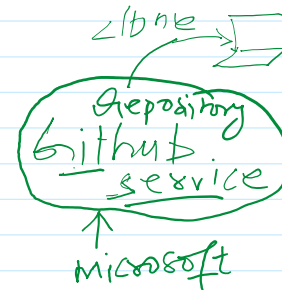
Amazon (aws)

BitBucket

↑ service
thunder Atlassian

→ VLSI [very large scale integration]

→ Steve Wozniack. work was market & presented by Steve Jobs.



To read more about git, click the given link.

<https://git-scm.com/book/en/v2>

Installing and configuring Git

Download git from: <https://git-scm.com/>

Configure commands:

git config --global user.name "yourname"

Git config --global user.email "your registered email"