

2. Git Vs Github

Git is a version control system that lets you manage and keep track of your source code history. GitHub is a cloud-based hosting service that lets you manage Git repositories.

Git is tool developer install on local machine. Github is an online service that stores code pushed to it from computers running git tools.

Git is free and open source version control system. Github is web based git repository system.

3. Git Workflow

A Git Workflow is a recipe or recommendation for how to use Git to accomplish work in a consistent and productive manner. Git workflows encourage users to leverage Git effectively and consistently. Git offers lot of flexibility in how users manage changes. There is no standardize process on how to interact with git. To ensure team is on same page, git workflow should be develop or selected. Workflow are design to be guideline rather than concrete rules.

4. types of version control System

There are three types of version control.

- Local version control system –
Local version control system maintains track of files within the local system. This approach is very common and simple. This type is also error prone which means the chances of accidentally writing to the wrong file is higher.
- Centralized version control system –
In this approach, all the changes in the files are tracked under the centralized server. The centralized server includes all the information of versioned files, and list of clients that check out files from that central place.
Example: Tortoise SVN
- Distributed version control system –
Distributed version control systems come into picture to overcome the drawback of centralized version control system. The clients completely clone the repository including its full history. If any server dies, any of the client repositories can be copied on to the server which help restore the server. Every clone is considered as a full backup of all the data.
Example: Git