

Version Control with GIT

Version Control is the management at changes to documents, large web sites and other collections of information.

It can track changes at of time. Moreover it has option to undo and redo operations.

Git got developed in 2005 by Linus Torvalds and some other Linux Kernel developers.

Every Git working directory is a full-fledged repository and also Git makes rapid branching and merging much easier.

Most operations in Git only need local files and resources to operate. Git generally only adds data. It means it is hard to do anything that is not undoable, for example permanently erasing data.

Git can be in different states. The unmodified/committed. It means the data is safely stores in your local database.

Next the modified state. The file is changed but not committed to database yet. Then we have staged state. The modified file is marked to go into your next commit. And last the untracked state. The File is not managed yet.

Git files are never deleted from the history entirely.