

Sanket Mehta

TechDoc#1: Git

What is Version Control?

Version control systems are a category of software tools that help a software team manage changes to source code over time. Version control software keeps track of every modification to the code in a special kind of database. If a mistake is made, developers can turn back the clock and compare earlier versions of the code to help fix the mistake while minimizing disruption to all team members.

What is Git?

By far, the most widely used modern version control system in the world today is Git. Git is a mature, actively maintained open source project originally developed in 2005 by Linus Torvalds, the famous creator of the Linux operating system kernel. A staggering number of software projects rely on Git for version control, including commercial projects as well as open source. Developers who have worked with Git are well represented in the pool of available software development talent and it works well on a wide range of operating systems and IDEs (Integrated Development Environments) like IntelliJ, Eclipse provide good support for it.

References:

Quick Guide : <http://rogerdudler.github.io/git-guide/>

Branching models: <https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow>

Tutorial : <https://www.tutorialspoint.com/git/>

Video Tutorials : <https://www.youtube.com/watch?v=r63f51ce84A>

Hands On : <https://try.github.io/levels/1/challenges/1>

Git GUI : <https://nathanj.github.io/gitguide/tour.html>

Quick reference to keywords : <http://jonas.nitro.dk/git/quick-reference.html>