

Week One Research.

What is git and why developers use it in their workflows?

Git is one of the most popular version control tools in use today. Git is based on open source software that is free for the public to use. Git does offer business and enterprise plans if your organization required added security and private repositories.¹

One of the key features of git is its version control capabilities. Unlike other cloud based storage solutions such as dropbox, git users can maintain the integrity of the code they are working on without the risk of it being overwritten by another developer's changes to the codebase.²

Git is a key component of the developers toolbox due to its workflow capabilities in addition to its version control functionality. Git allows developers to track changes to the codebase as it is being developed. Because there is a record of each iteration of code, it is easy to revert back to a former version should there be issues with the latest updates to the repository.

The workflow function provides recommendations for how to use git in the most productive manner for an organization. Git workflows allow developers and DevOps teams to collaborate more efficiently and consistency. This makes collaboration easier and allows everything to be merged into one source.³

What Was My Favorite Thing I Learned This Week?

My favorite thing this week isn't so much that I learned something new, aside from git, but that things began to come together for me. Like many other students, I am new to coding and my head was spinning with all the concepts, commands, and syntax required to code in html, css, and javascript. Although I completed a preparatory course prior to the start of this program, I still felt ill prepared for what lay ahead. Working through the exercises this week showed me that I picked up on things better than I was allowing myself to believe. When I got to the lab, I was able to zip right through it without difficulty. That was a huge confidence builder as I prepare to tackle the next challenge in learning to code.

References:

- 1: git-scm.com
- 2: www.nobledesktop.com/blog/what-is-git-and-why-should-you-use-it
- 3: atlassian.com/git/tutorials