

Introduction to **Git and GitHub**

The background features a dark blue gradient with a subtle grid pattern. Three large, semi-transparent circles with orange-to-purple gradients are positioned in the upper right quadrant. A smaller, similar circle is located near the center-left. The overall aesthetic is modern and minimalist.

MODULE 1: LESSON 6
LEARNING WITH JELLY



Agenda



01

Version Control



02

Git



01

GitHub



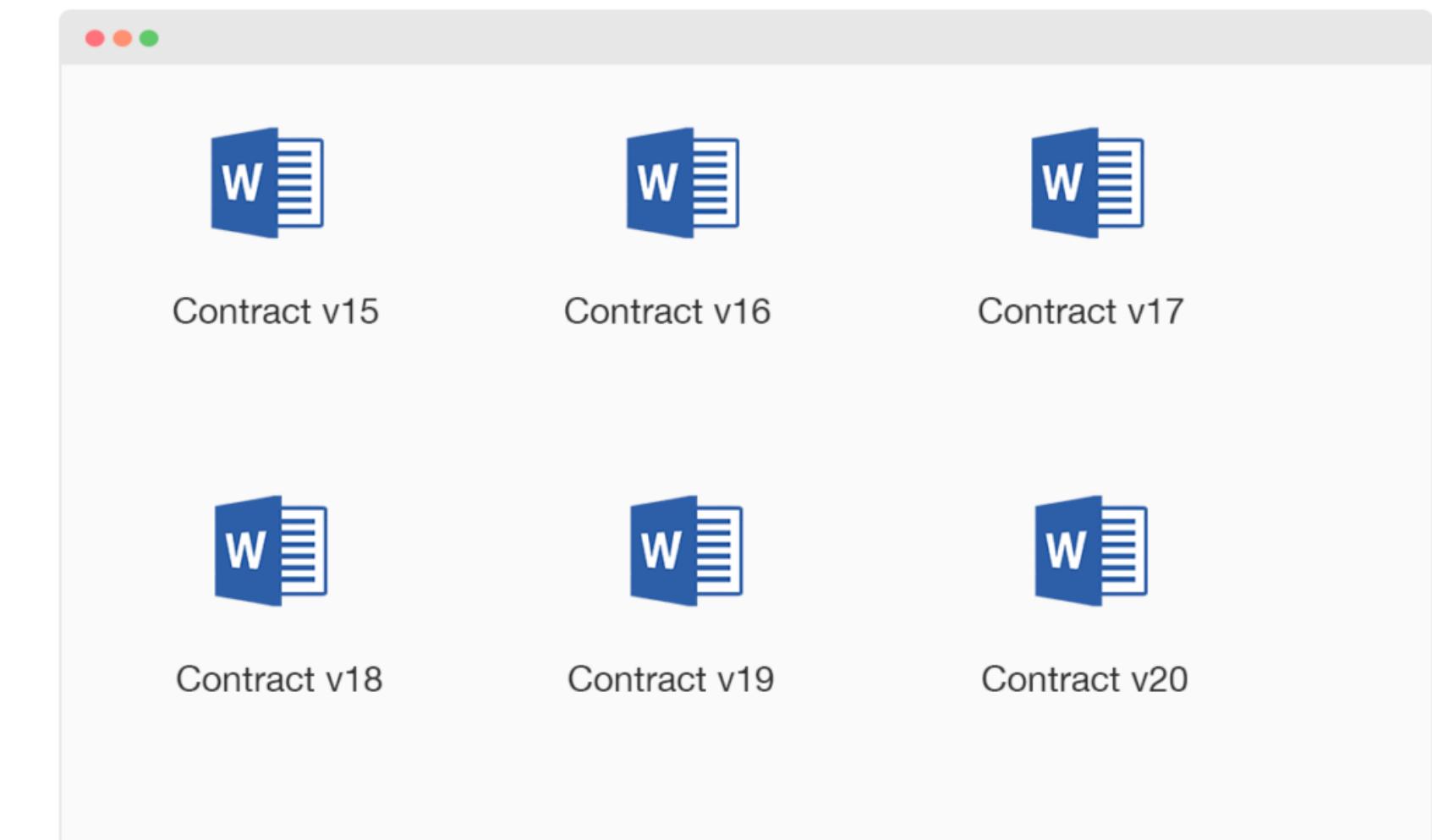
04

Git vs GitHub

Version Control

What is Version Control?

- Tracks project changes
- No need to save multiple copies of the same file
- Restore earlier versions of the project

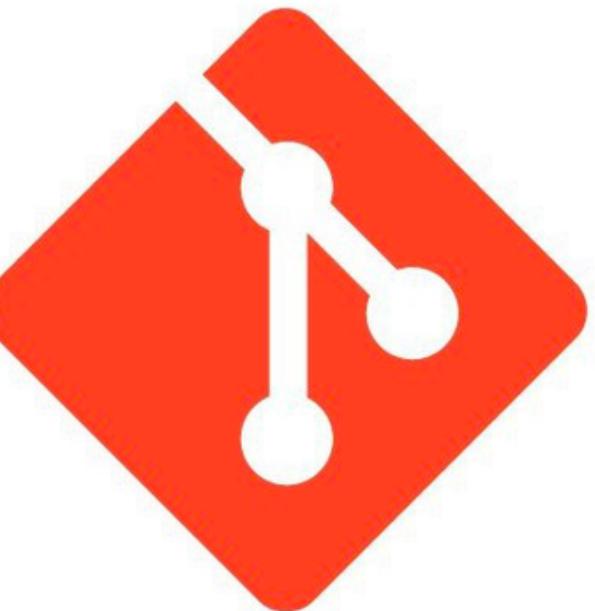




GIT

Git (est. 2005)

- Local Version Control **Software**
- No internet needed -- it is downloaded on your PC/Mac
- Can work **independent** of GitHub
- Branching Model (create branches to work on different parts of the project independently)



git

The GitHub logo, consisting of the word "GITHUB" in a bold, white, sans-serif font.

GitHub (Cloud Based - Internet)

- Dependent on Git (**can't use GitHub without Git**
BUT can use Git without GitHub)
- Since it is on the Internet -- **collaborate with others**
- Repository structure - all files for a project stored as a repository (**repo**)
- Repositories are **REMOTE** (exist on the Internet)
- Open source projects
- Share your repos with anyone (social network type of file)



GIT vs GITHUB

Git

vs

GitHub

- Aides in Version Control
- Downloaded on **local** computer
- Can be used without GitHub
- Great for independent projects
- Branching Model
- Not a Social Network Feel
- Local
- Aides in Version Control
- On the Internet
- **Can't be used without Git**
- Great for Collaboration
- Branching Model
- Social Network Feel
- Remote



A dark blue background featuring a subtle 3D grid pattern. Overlaid on the grid are several large, semi-transparent orange spheres of varying sizes. In the center, the words "Thank You!" are written in a large, bold, white sans-serif font. Below it, "@LearningwithJelly" is written in a slightly smaller, regular white sans-serif font.

Thank You!

@LearningwithJelly

Image Sources

- <https://www.simuldocs.com/blog/3-better-ways-to-version-control-your-word-documents>
- <https://levelup.gitconnected.com/what-is-git-how-to-use-it-why-to-use-it-explained-in-depth-76a5066abaaa>
- <https://github.com/about>