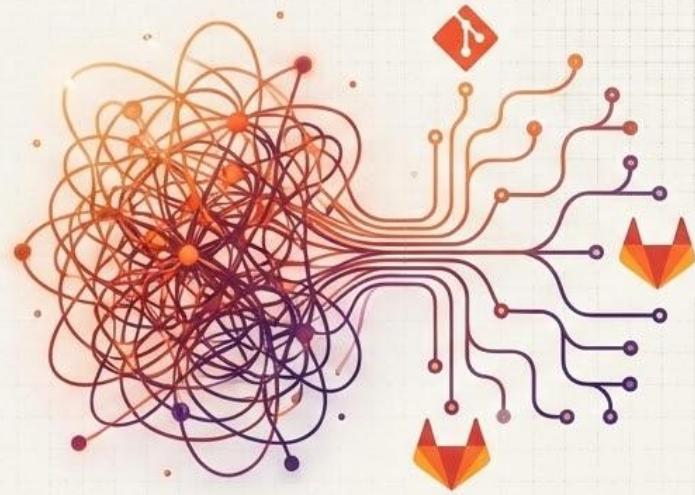
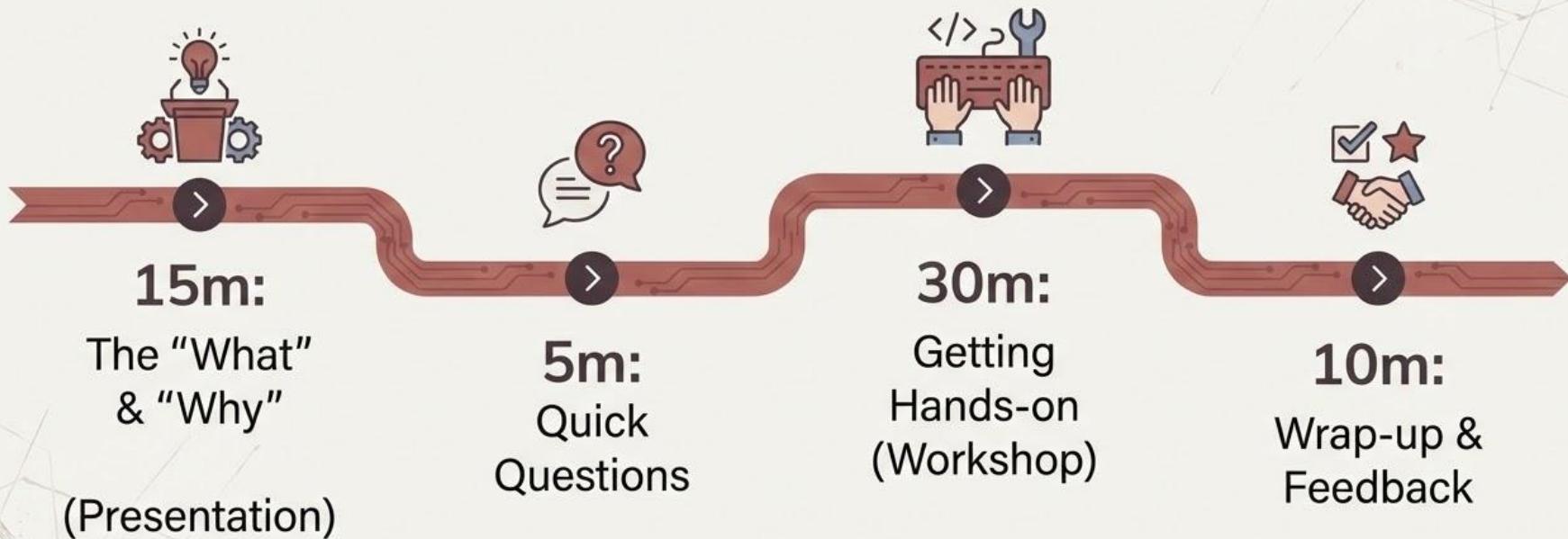


Git & GitLab: Working Together Without the Chaos

A Beginner's Guide to Version Control



Today's Roadmap



What is Git? (The 5-Year-Old Version)



- **The Concept:**

It's a “Time Machine” for your work.



- **The Reality:**

A “Magical Save Button” that remembers every version of every file.



- **The History:**

Created in 2005. It's the industry standard—it's not going anywhere!

Why do we need it?



No Overwriting: Stops "Person A" from deleting "Person B's" work.



Undo Button: Break something? Go back to yesterday in one click.



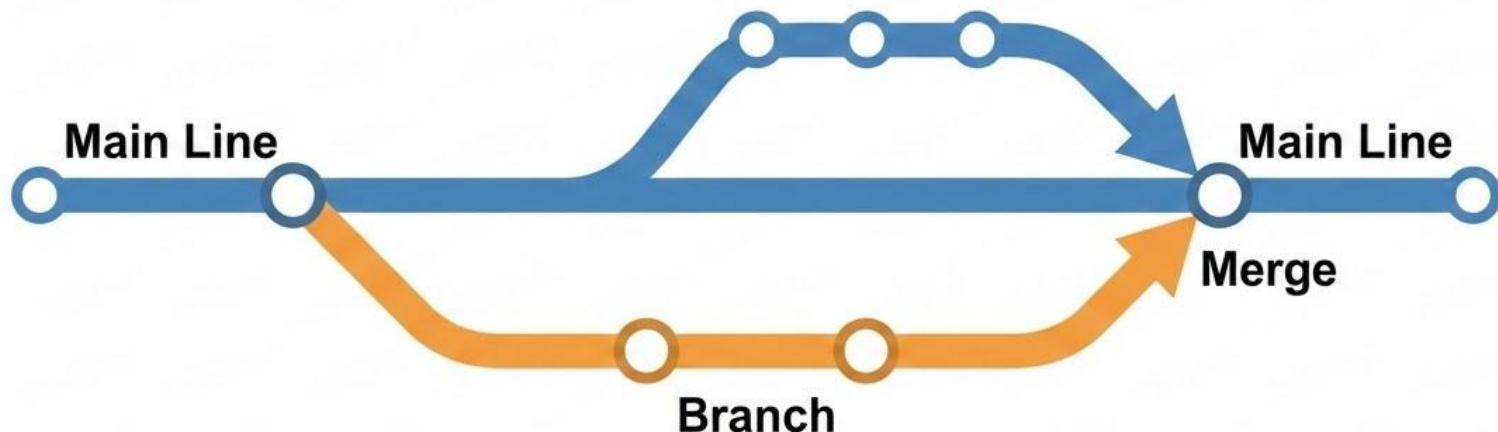
Sandbox Mode: Experiment in "Feature Branches" without touching the "Live" code.



Teamwork: Built-in code reviews and comments.

The Subway Map (The Graph)

- **The Main Line:** The “Clean” version of the project.
- **The Branch:** A side-track where you build something new.
- **The Merge:** A bridge that brings your new work back to the Main Line.



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The “Handshake” (Pull Request/Merge Request)

- **PR/MR:** How you say “I’m done, please check my work.”
- **The Review:** Teammates look at your changes and leave “likes” or suggestions.
- **The Merge:** Once approved, your code joins the main project.

