

(TR-102)

MASTERING THE SEMANTIC WEB

Training Day 19 Report:

9 July 2024

The nineteenth day of the TR-102 training program concentrated on key concepts of DevOps, particularly the creation of CI/CD pipelines using Git, and understanding various Git commands.

CI/CD Pipelines using Git:

- **Concept of DevOps:**
 - The session started with an in-depth explanation of the DevOps culture and its importance in modern software development.
 - Discussed the benefits of CI/CD pipelines in DevOps, such as faster delivery and improved reliability.
- **Creating CI/CD Pipelines:**
 - Detailed the steps to create CI/CD pipelines using Git.
 - Illustrated practical examples and workflows to show the implementation of these pipelines.
 - Covered integration and deployment strategies, emphasizing continuous integration and continuous deployment.

Git Commands:

- **Git Stash:**
 - Covered the purpose and usage of the 'git stash' command.
 - Demonstrated commands to save and apply stashes, such as 'git stash save', 'git stash apply', and 'git stash pop'.
 - Provided scenarios for using stash, like saving uncommitted changes temporarily.

Conclusion:

Day 19 of the training was comprehensive, covering essential tools and practices in the DevOps lifecycle. The focus on CI/CD pipelines and advanced Git commands provided participants with practical skills and knowledge crucial for modern software development and deployment processes.