

Live Session: Version Control Systems

Welcome to the live session on 'Version Control'. The live session length will be 2 hours.

In this session, the SME will be covering some of the introductory concepts of Git. This session will be covering the following topics:

- Introduction and usage of Version Control
- Git Operations

Note for the SME:

- This is going to be a purely interactive session wherein the trainer would try to engage students more.
- Before running the commands on a command prompt, ask the learners about their expected outputs.
- Please make sure to test run these commands prior to the session to avoid any hick-up during the session.

Part 1 : Version Control Systems(55 minutes)(

- a. Introduction to version control systems
- b. Why are version control systems needed(demo with an example)
- c. Examples of version control system(VCS, Git, BitBucket, etc)(any 3 : Git mandatory)
- d. Types of version control systems(Local , Centralised, and Distributed)
- e. Setting Up Git

Doubts Pause: 5 minutes

Part 2: Git(1 hour)

- a. How to clone a repository
- b. Git commits with live example
- c. Git push operation with live example
- d. Git pull operation with live example
- e. Forking from a repository(Branch creation)
- f. Merging into a repository using pull requests
- g. How to create a new repository