CI-CD Session

* What is Jenkins?
* What is CI/CD (Continuous Integration Continuous Delivery)
* Stages in CI/CD
* Creating CI/CD Infrastructure in AWS
* Installing Jenkins in EC2 Machine
* How to run a sample job in Jenkins?
* Performing continuous download
* Performing continuous build
* How to install Plug-in
* Performing continuous Deployment
* Importance of Context Path
* How to call one job from another job
* Copy Artifact Plugin
* Performing all five Stages in CI-CD
* How to create a new user in Jenkins
* Types of Roles – Global Role -Item / Project Role
* Role-based authorization Strategy Plugin
* Need for Master-Slave configuration.
* Establish a password-less connection between the Master and Slave Machine
* Creating a new node in Jenkins
* Run the job in the node machine.
* What is Pipeline Job?
* Advantages of Pipeline Job
* Build pipeline plug-in.
* Generating the Groovy code
* Perform CI/CD Stages using Groovy code.
* What is a multibranch Pipeline?
* Triggering the pipeline job automatically
* Email Integration in Jenkins
* Trigger the job periodically.
* Wait for the approval from delivery head, before moving it to production