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| **Topics** | **Session Taken By** |
| 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 |  |
| Overview of Jenkins UI |  |
| 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 |  |
| Managing nodes and distributing jobs over nodes |  |
| 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 |  |
| Install and configure tomcat. |  |
| Deployment of Simple Java web application using Tomcat. |  |
| Automated Jenkins Pipeline |  |