

Course Content DevOps

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| <ul style="list-style-type: none">➤ Introduction to DevOps<ul style="list-style-type: none">✓ setup oracle VM box to spin up linux✓ Putty download and setup✓ Linux PowerUser✓ install java✓ Run a sample program on Java✓ Basics BatchScript✓ Basics ShellScript✓ Cronjob➤ Version Control<ul style="list-style-type: none">✓ Git Introduction✓ Git Client Setup✓ Working on Git CLI commands✓ Introduction to GitHub/GitLab✓ Cloning/forking the repository✓ pushing the code to repository✓ Branching, Merging and Tagging✓ Discussion on Industry Branching Strategies➤ Continuous Integration<ul style="list-style-type: none">✓ Install jenkins Infra setup✓ Run a sample program in jenkins✓ Integrate jenkins with GitHub/GitLab✓ create free style jobs in jenkins➤ Continuous Delivery<ul style="list-style-type: none">✓ Install Tomcat Server✓ Deploy the generated artifact from jenkins to tomcat server✓ Deploy the artifact to multiple environments like DEV, QA etc.,✓ Launch the application | <ul style="list-style-type: none">➤ Static Analysis<ul style="list-style-type: none">✓ Installing sonarqube and integrating with jenkins➤ Artifactory<ul style="list-style-type: none">✓ Installing nexus to store artifacts to repository➤ Code Coverage<ul style="list-style-type: none">✓ usage of Jacoco➤ Configuration Management<ul style="list-style-type: none">✓ Introduction to Basics of Ansible✓ Installing Ansible✓ Ansible integration with jenkins to deploy the sample application➤ Containerization<ul style="list-style-type: none">✓ Introduction to Docker✓ Installing Docker✓ Basic commands executing on Docker✓ Dockerizing✓ DockerCompose✓ DockerHub➤ Pipeline as a Code<ul style="list-style-type: none">✓ Creating jenkins jobs using pipeline➤ Continuous Monitoring<ul style="list-style-type: none">✓ Nagios Setup |
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