Certified Jenkins Engineer (CJE)

About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

About Course

Jenkins is a configuration management tool (in JAVA) for testing and reporting on isolated changes in a larger code base instantly on non-developer machine automatically every time someone pushes new code into the source repository. It enables developers to find and solve defects in a code base rapidly and to automate testing of their builds. It has lots of advantages of always knowing if all tests work and getting fast feedback. The speedy comments is crucial so you always recognize right.

DevOpsSchool offers Jenkins Training Program for developers and non-developers teams/professionals around the world available in Online & Offline classes. Our Jenkins Course is designed to possess the skills and hands-on experience necessary to implement and use it effectively. Our Jenkins Experts & instructor will help you to take up Jenkins Training in Basic, Intermediate and advance level with lots more practices which will upgrade your skill to the very next level.

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Duration	15 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✔	✖
Lifetime Technical Support	✔	✖
Lifetime LMS access	✔	✖
Top 25 Tools	✔	✖
Interviews Kit	✔	✖
Training Notes	✔	✖
Step by Step Web Based Tutorials	✔	✖
Training Slides	✔	✖
Training + Additional Videos	✔	✖

AGENDA OF THE CERTIFIED JENKINS ENGINEER (CJE)

Lets understand Continuous Integration

- What is Continuous Integration
- Benefits of Continuous Integration
- What is Continuous Delivery
- What is Continuous Deployment
- Continuous Integration Tools
- Jenkins Vs TeamCity Vs Bamboo

What is Jenkins

- History of Jenkins
- Release of Jenkins
- Jenkins Vs Jenkins Enterprise

Jenkins Installation

- Prerequisites
- Installing Jenkins using Yum
- Installing Jenkins using Apt
- Installing Jenkins using MSI
- Installing Jenkins using Tomcat
- Installing as a Service
- Starting and Stopping Jenkins

Jenkins Dashboard Tour

- Understand Freestyle Project
- Freestyle General Tab
- Freestyle Source Code Management Tab
- Freestyle Build Triggers Tab
- Freestyle Build Environment
- Freestyle Build
- Freestyle Post-build Actions
- Manage Jenkins
- My Views
- Credentials
- People
- Build History

Creating a Simple Job

- Simple Java and Maven Based Application
- Simple Java and Ant Based Application
- Simple Java and Grovy Based Application
- Simple DOTNET and MSBuild Based Application
- Simple C++ using Batch Application

Jobs Scheduling in Jenkins

- Manually Building
- Build Trigger based on fixed schedule
- Build Trigger by script
- Build Trigger Based on pushed to git

Useful Jobs Configuration

- Jenkins Jobs parameterised
- Execute concurrent builds
- Jobs Executors
- Build Other Projects
- Build after other projects are built
- Throttle Builds

Jenkins Plugins

- Installing a Plugin
- Plugin Configuration
- Updating a Plugin
- Plugin Wiki
- Top 20 Useful Jenkins Plugins
- Using Jenkins Pluginss Best Practices

Jenkins Node Managment

- Adding a Linux Node
- Adding a Windows Nodes
- Nodes Management using Jenkins
- Jenkins Nodes High Availability

Notification & Feedback in Jenkins

- CI Build Pipeline & Dashboard
- Email Notification
- Advance Email Notification
- Slack Notification

Jenkins Integration with other tools

- Jira
- Git
- SonarQube
- Maven
- Junit
- Chef
- Puppet
- Ansible
- Docker
- AWS
- Jacoco
- Coverity
- Selenium
- Gradle
- Terraform
- Packer

Reports in Jenkins

- Junit Report
- SonarQube Reports
- Jacoco Reports
- Coverity Reports
- Selenium Reports
- Test Results
- Cucumber Reports

Notification & Feedback in Jenkins

- CI Build Pipeline & Dashboard
- Email Notification
- Advance Email Notification
- Slack Notification

Jenkins Advance - Administrator

- Security in Jenkins
- Authorization in Jenkins
- Authentication in Jenkins
- Managing folder/subfolder
- Jenkins Upgrade
- Jenkins Backup
- Jenkins Restore
- Jenkins Command Line

Jenkins Programming, Pipeline and Delivery

- Jenkins Api Programming
- Deep dive into Jenkins Pipeline
- Jenkins Multi-configuration Project
- Jenkins Multibranch Pipeline
- Jenkins Blue Ocea

Thank you!

Connect with us for more info

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