Introduction to Jenkins / Jenkins Quick Start (TTDV7520)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Introduction to Jenkins®is a two-day, lab intensive hands-on training course geared for experienced programmers

About This Course

Introduction to Jenkins is a two-day, lab intensive hands-on training course geared for experienced programmers who need to learn how to:

-Install and configure Jenkins in a servlet container

-Create Jenkins builds

-Configure and use Apache Ant and Apache Maven with Jenkins

-Use Jenkins to generate Java coding standards reports, code coverage reports, and change notices

-Use Jenkins to automatically deploy software into a testing environment.

Who Should Attend

This audience includes DevOps engineers, software developers, and IT professionals interested in continuous integration, continuous delivery, and automating the software development lifecycle.

Prerequisites & Entry Requirements

General Prerequisites:

In order to be successful in this course, attending students are required to have practical Java programming experience to a basic level. This course can also be modified to suit the incoming skill levels or unique learning goals of your students and organization.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment guided by our expert practitioner, students will explore:

-Introduction to Continuous Integration, Continuous Deployment and Jenkins-CI

-Installing and Running Jenkins

-Job Types in Jenkins

-Securing Jenkins

-Jenkins Plugin

-Distributed Builds with Jenkins

-Continuous Deployment and the Jenkins Pipeline

-Best Practices for Jenkins

Detailed Course Outline

Introduction to Continuous Integration, Continuous Deployment and Jenkins-CI

Agile Development

Agile Development (cont'd)

What is Continuous Integration

What is Continuous Integration (cont'd)

What is Continous Integration (cont'd)

Typical Setup for Continuous Integration

Continuous Deployment

Continuous Deployment (cont'd)

DevOps and Continuous Deployment

Continuous Deployment Challenges

Jenkins Continuous Integration

Jenkins Features

Running Jenkins

Installing and Running Jenkins

Downloading and Installing Jenkins

Running Jenkins as a Stand-Alone Application

Running Jenkins as a Stand-Alone Application (cont'd)

Running Jenkins on an Application Server

The Jenkins Home Folder

Installing Jenkins as a Windows Service

Initial Configuration

Configuration Wizard

Configuration Wizard (cont'd)

Configuring Tools

Configuring Tools - Best Practices

Job Types in Jenkins

Different types of Jenkins Items

Different types of Jenkins Items (cont'd)

Configuring Source Code Management(SCM)

Working with Subversion

Working with Subversion (cont'd)

Working with Git

Storing Credentials

Storing Credentials (cont'd)

Build Triggers

Schedule Build Jobs

Polling the SCM

Maven Build Steps

Securing Jenkins

Jenkins Security - Overview

Jenkins Security

Authentication

Authorization

Confidentiality

Activating Security

Configure Authentication

Using Jenkins's Internal User Database

Creating Users

Authorization

Matrix-Based Security

Note €œ Create the Administrative User

Project-based Matrix Authorization

Project-Based Authentication

Jenkins Plugin

Introduction

Jenkins Plugins - SCM

Jenkins Plugins €œ Build and Test

Jenkins Plugins €œ Analyzers

Jenkins for Teams

Installing Jenkins Plugins

Distributed Builds with Jenkins

Distributed Builds - Overview

Distributed Builds €œ How

Slave Machines

Configure Jenkins Master

Configure Projects

Continuous Deployment and the Jenkins Pipeline

Continuous Deployment

Continuous Deployment (cont'd)

DevOps and Continuous Deployment

Continuous Deployment Challenges

Continuous Deployment with Jenkins

The Pipeline Plugin

The Pipeline Plugin (cont'd)

Defining a Pipeline

A Pipeline Example

Pipeline Example (cont'd)

Parallel Execution

Creating a Pipeline

Invoking the Pipeline

Interacting with the Pipeline

Best Practices for Jenkins

Best Practices - Secure Jenkins

Best Practices - Backups

Best Practices - Reproducible Builds

Best Practices - Testing and Reports

Best Practices - Large Systems

Best Practices - Distributed Jenkins

Additional Course Details

Nexus Humans Introduction to Jenkins / Jenkins Quick Start (TTDV7520) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to Jenkins / Jenkins Quick Start (TTDV7520) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to Jenkins / Jenkins Quick Start (TTDV7520)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Introduction to Jenkins / Jenkins Quick Start (TTDV7520) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to Jenkins / Jenkins Quick Start (TTDV7520) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to Jenkins / Jenkins Quick Start (TTDV7520)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Jenkins / Jenkins Quick Start (TTDV7520). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Jenkins

Q: Why choose Nexus Human for Introduction to Jenkins / Jenkins Quick Start (TTDV7520)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Introduction to Jenkins / Jenkins Quick Start (TTDV7520) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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