DevOps Engineering Foundation (DevOps Institute)

Category: Software Development & Programming | **Vendor:** Logical Operations

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

Included with the course as standard is the official PeopleCert Exam Voucher. This course explains the many aspects of DevOps engineering that leaders and practitioners can execute upon. While DevOps Foundation provides an overview of DevOps, this course will provide a closer look at the implementation process from an engineering perspective. It is an in depth view of the major aspects of engineering DevOps. An engineering approach is critical to DevOps journeys. This course provides the foundations of knowledge, principles and practices from a technical perspective needed to engineer a successful DevOps solution.

About This Course

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Who Should Attend

The target audience for the DevOps Engineering Foundation course are individuals involved in engineering and technical practices such as:

DevOps Practice owners and process designers

Developers, QA engineers and Managers who are interested in understanding how DevOps works.

Employees and managers responsible for engineering or improving processes.

Consultants guiding their clients through process improvement and DevOps initiatives.

Anyone responsible for:

Managing process-related requirements

Ensuring the efficiency and effectiveness of processes

Maximizing the value of processes

Learning Outcomes

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

The learning objectives for DevOps Engineering Foundation include an understanding of:

How to engineer DevOps solutions

DevOps Technologies

Applications Architectures

Continuous Integration

Continuous Testing

Ephemeral Elastic Infrastructures

Continuous Delivery and Deployment

Metrics, Monitoring, Observability and Governance

DevOps Humans

Future Trends

Detailed Course Outline

DevOps Engineering Introduction

- DevOps Foundations
- Principles and Practices
- Related Frameworks
- Performance and Benefits

DevOps Technology

- Source and Artifacts Control
- CI/CD pipelines
- Tools and Toolchains
- Application Release Automation
- Value Stream Management

Applications Architectures and Continuous Integration

- Application Architectures
- Containers
- Continuous integration

Continuous Testing

- CT Tenets
- Test creation & TDD
- Test acceleration
- Test results
- Test management
- Test environment management

Ephemeral Elastic Infrastructures

- Virtual and Cloud
- Configuration management
- Infra-as-code
- Containers Orchestration
- GitOps

Continuous Delivery and Deployment

- Continuous Delivery and Deployment
- Release Automation
- Deployment Strategies

Metrics, Monitoring, Observability, Governance

- DevOps Metrics
- Monitoring
- Observability
- Governance

DevOps Engineering Humans

- Culture
- Team Topologies
- Continuous Learning
- Future DevOps Trends

Additional Course Details

Nexus Humans DevOps Engineering Foundation (DevOps Institute) 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 DevOps Engineering Foundation (DevOps Institute) 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 DevOps Engineering Foundation (DevOps Institute)?

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 DevOps Engineering Foundation (DevOps Institute) 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 DevOps Engineering Foundation (DevOps Institute) 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 DevOps Engineering Foundation (DevOps Institute)?

Yes, we provide corporate training, dedicated training, and closed classes for DevOps Engineering Foundation (DevOps Institute). 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: Why choose Nexus Human for DevOps Engineering Foundation (DevOps Institute)?

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 DevOps Engineering Foundation (DevOps Institute) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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