DevOps Foundation

Category: Software Development & Programming | **Vendor:** DevOps Institute

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

DevOps Foundation® is a fast-paced, interactive two-day course that introduces essential DevOps principles, practices, and cultural shifts. Through real-world examples and hands-on exercises, you'll learn how DevOps bridges development and operations to drive collaboration, automation, and continuous improvement. Inspired by The Phoenix Project and backed by the latest State of DevOps research, this course goes beyond theory. It helps business and technical professionals alike understand how to bridge silos, increase collaboration, and accelerate innovation. Whether you're looking to drive digital transformation or just work more effectively in cross-functional teams, DevOps Foundation® sets you up for success.

About This Course

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Who Should Attend

The target audience for the DevOps Foundation course includes Management, Operations, Developers, QA and Testing professionals such as: Individuals involved in IT development, IT operations or IT service management. Individuals who require an understanding of DevOps principles IT professionals working within, or about to enter, an Agile Service Design Environment. The following IT roles: Automation Architects, Application Developers, Business Analysts, Business Managers, Business Stakeholders, Change Agents, Consultants, DevOps Consultants, DevOps Engineers, Infrastructure Architect, Integration Specialists, IT Directors, IT Managers, IT Operations, IT Team Leaders, Lean Coaches, Network Administrators, Operations Managers, Project Managers, Release Engineers, Software Developers, Software Tester/QA, System Administrators, Systems Engineers, System Integrators, Tool Providers

Prerequisites & Entry Requirements

General Prerequisites:

Familiarity with IT software development and operations responsibilities.

Learning Outcomes

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

This course builds foundational knowledge of DevOps as both a cultural movement and a practical approach to modern software development. You'll explore the "Three Ways" of DevOps, continuous integration and continuous delivery (CI/CD), infrastructure as code, and automation strategies using tools like Docker and Kubernetes. It highlights how DevOps aligns with Agile, Lean, ITSM, and project management while supporting continuous improvement, reduced change failures, and faster deployment. You'll also study real-world case studies, cultural frameworks, DevSecOps, and DevOps Institute best practices that accelerate innovation across the development and operations lifecycle.

Detailed Course Outline

1 - Exploring DevOps

- Defining DevOps
- Why Does DevOps Matter?

2 - Core DevOps Principles

- The Three Ways
- The First Way
- The Theory of Constraints
- The Second Way
- The Third Way
- Chaos Engineering
- Learning Organizations

3 - Key DevOps Practices

- Continuous Delivery
- Site Reliability & Resilience Engineering
- DevSecOps
- ChatOps
- Kanban

4 - Business and Technology Frameworks

- Agile
- ITSM
- Lean
- Safety Culture
- Learning Organizations
- Sociocracy/Holacracy
- Continuous Funding

5 - Culture, Behaviors & Operating Models

- Defining Culture
- Behavioral Models
- Organizational maturity models
- Target Operating Models

6 - Automation & Architecting DevOps Toolchains

- CI/CD
- Cloud
- Containers
- Kubernetes
- DevOps Toolchain

7 - Measurement, Metrics, and Reporting

- The Importance of Metrics
- Technical Metrics
- Business Metrics
- Measuring & Reporting Metrics

8 - Sharing, Shadowing and Evolving

- Collaborative Platforms
- Immersive, Experiential Learning
- DevOps Leadership
- Evolving Change

Frequently Asked Questions

Q: What delivery options are available for DevOps Foundation?

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 Foundation 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 Foundation 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 Foundation?

Yes, we provide corporate training, dedicated training, and closed classes for DevOps Foundation. 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 Foundation?

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 Foundation 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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