Docker Fundamentals Plus Enterprise Operations Bundle

Category: Cloud Platforms | **Vendor:** Various

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Docker Fundamentals + Enterprise Operations Bundle includes the full Docker for Enterprise Operations course as well as the prerequisite Docker Fundamentals course run back to back in a single intensive training experience. The Docker Fundamentals training course features the foundational concepts and practices of containerization on a single Docker node. The course offers learners the opportunity to assimilate basic container orchestration and how to scale Docker across multiple nodes in a simple swarm cluster. This course provides essential foundational knowledge for subsequent Docker courses. As the follow-on to the Docker Fundamentals course, Docker for Enterprise Operations is a role-based course is designed for Docker Operations teams to accelerate their Docker journey in the enterprise. The course covers in-depth core advanced features of Docker EE and best practices to apply these features at scale with enterprise workloads. Platform Availability: Linux, Windows (Fundamentals Only).

About This Course

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Who Should Attend

Software Engineers and DevOps professionals working in an Enterprise developing mission critical line of business applications.

Learning Outcomes

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

By the end of this course, students will be able to:

Assess the advantages of a containerized software development & deployment

Use Docker engine features necessary for running containerized applications

Utilize Swarm and Kubernetes orchestrators to deploy, maintain, and scale a distributed application

Describe the essential patterns used in a highly distributed EE application

Understand how to configure EE applications for different environments without code changes

Produce and containerize scalable, accessible, and fault-tolerant EE applications

Apply different debugging and testing techniques to containerized EE applications

Detailed Course Outline

- Introducing Docker
- Containerization Fundamentals
- Creating Images
- Docker Volumes

- Docker Networking Basics
- Introduction to Docker Compose
- Introduction to Swarm Mode
- Introduction to Kubernetes
- Secrets
- Fundamentals Signature Assignment

- Distributed Application Architecture
- Sample Application
- Edit and Continue
- Debugging
- Docker Compose
- Testing
- Service Discovery
- Defensive Programming
- Logging and Error Handling
- Health Checks
- Secrets
- Configuration Management
- Development Pipeline Overview
- Universal Control Plane
- Docker Trusted Registry
- Repository Automation
- Build Server

Additional Course Details

Nexus Humans Docker Fundamentals Plus Enterprise Operations Bundle 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 Docker Fundamentals Plus Enterprise Operations Bundle 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 Docker Fundamentals Plus Enterprise Operations Bundle?

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 5-day Docker Fundamentals Plus Enterprise Operations Bundle course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Docker Fundamentals Plus Enterprise Operations Bundle training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Docker Fundamentals Plus Enterprise Operations Bundle?

Yes, we provide corporate training, dedicated training, and closed classes for Docker Fundamentals Plus Enterprise Operations Bundle. 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 Docker Fundamentals Plus Enterprise Operations Bundle?

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 Docker Fundamentals Plus Enterprise Operations Bundle 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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