Docker Fundamentals Plus Enterprise Operations Course Bundle

Duration: 5 Days **Course Code: DOCK6022**

Overview:

Fast track your Docker journey. 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).

Target Audience:

IT professionals with an operations or system administration background desiring an intense and rapid onramp to Docker technologies including gaining a strong foundation in Docker technologies and an understanding of designing, deploying, and managing Docker containers at scale in an enterprise environment.

Objectives:

- By the end of this course successful learners 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
- Identify the key features of UCP and DTR
- Deploy applications on UCP using Swarm or Kubernetes, governed by secure, role-based authentication and authorization
- Establish a secure supply chain for containerized software development using DTR

Prerequisites:

Familiarity with Linux command line.

Content:

Day 1

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

Day 2

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

Day 3

- Introduction to Docker Enterprise Edition
- Universal Control Plane
- User Management and Access Control
- UCP Orchestration
- Container Network Operations

Day 4

- Application Health and Readiness Checks
- Platform Security
- Docker Trusted Registry
- DTR Organizations and Teams
- Content Trust

Day 5

- Image Security Scanning
- Repository Automation
- Image Management
- Operations Signature Assignment

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK