Docker Fundamentals + Enterprise Operations Bundle

Duration: 5 Days       Course Code: DOCK6022

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 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:
  - Identify the key features of UCP and DTR
  - 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
  - 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.

Testing and Certification
## 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 0800/84.009
info@globalknowledge.be
www.globalknowledge.com/en-be/