Docker For Enterprise Developers

Duration: 2 Days Course Code: DOCK6019

Overview:

As the follow-on to the Docker Fundamentals course, Docker for Enterprise Developers is a role-based course designed for an organization's Development and DevOps teams to accelerate their Docker journey in the enterprise. The course covers best practices to containerize and modernize legacy applications or build containerized applications from scratch that are secure, robust, highly available, resilient and self-healing.
It is recommended to complete the Fundamentals and the Docker for Enterprise Operations courses as pre-requisites.

Target Audience:

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

Objectives:

- By the end of the course learners will be able to:
- Describe the essential patterns used in a highly distributed EE application
- Understand how to configure EE applications for different environments without code change.
- Produce and containerize EE application that is a scalable, accessible, and fault-tolerant.
- Apply different debugging and testing techniques to containerized EE applications
- Build and run the sample application on your local system using Kubernetes

Prerequisites:

Completed Docker Fundamentals Course or equivalent

Familiarity with using the Linux command line

Knowledge of Docker basics:

- Run a Docker container
- Search for and pull images from Docker Store
- Use Docker for Mac or Windows on your local machine

Content:

Day 1

- Architecture of a Highly Distributed Application
- Development Pipeline Overview
- Developing Applications using Docker
- Edit and Continue
- Debugging
- Docker Compose
- Testing
- Health Check
- Defensive Programming
- Logging and Error Handling
- Docker Builder
- Docker Secrets
- Routing Mesh
- HTTP Routing Mesh

Day 2

- Continuous Integration and Delivery
- UCP and DTR
- Configuration Management
- Tagging and Versioning
- Content Trust
- Image Scanning
- Webhooks
- Image Promotion

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