



Docker for Enterprise Developers

Course ID #: 7000-060-ZZ-Z

Hours: 14

Course Content

Course Description:

As the follow-on to our 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. This 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. This course features hands-on labs, enterprise-focused scenarios, and practical examples along with a variety of assessment instruments from practice quiz questions, lab exercises, to project-based signature assignment for learners to practice. It's highly recommended to complete the Docker Fundamentals course (GK 6016) as a prerequisite

Course Objectives:

Upon completion, students 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

Target Audience:

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

Prerequisites:

To ensure your success in this course, you should have:

- Knowledge of containerization concepts and practices.



Docker for Enterprise Developers

Course ID #: 7000-060-ZZ-Z

Hours: 14

Topics:

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
-