



Docker For Enterprise Developers

Training Details

Training Time	:	2 Days
Capacity	:	12
Prerequisites	:	There are no prerequisites for this course.

About Training

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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.

What You'll Learn

- 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

Who Should Attend

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

Outline

Module 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

Module 2

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