



Docker Training

The Docker training program leverages the pedagogical approach of learning by doing with extensive hands-on labs, enterprise-focused scenarios, and practical examples. Docker training courses are updated regularly to ensure that learners are exposed to the latest product releases and current best practices informed by Docker's extensive field experience.

Each course features a variety of assessment instruments from practice quiz questions, lab exercises, to project-based signature assignment for learners to practice and meet the learning objectives of each course.

Course Description

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 highly recommended to complete the Docker Fundamentals course as a pre-requisite.

Learning Objectives

By the end of the course successful 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 changes.
- Produce and containerize an EE application that are 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.

Course Outline

Day 1

- Distributed Application Architecture
- Sample Application
- Edit and Continue
- Debugging
- Docker Compose
- Testing
- Service Discovery
- Health Checks
- Defensive Programming
- Logging & Error Handling
- Builder
- Docker Swarm & Kubernetes
- Secrets

Day 2

- Configuration Management
- Development Pipeline Overview
- Universal Control Plane
- Context Based Routing
- Docker Trusted Registry
- Content Trust
- Image Security Scanning
- Repository Automation
- Tagging & Versioning Strategies
- Build Server