Docker Fundamentals

Docker Training

Ensure your team learns Docker the right way with official training from Docker, Inc. The official Docker curriculum focuses on learning by doing with extensive hands-on labs, enterprise-focused scenarios, and practical examples. All official Docker classes are updated regularly to ensure you're learning on the latest product releases and benefiting from the current best practices formed by Docker's extensive field experience.

Course Description

In the Docker Fundamentals training course students will learn the foundational concepts and practices of containerization on a single Docker node. They'll also gain an understanding of basic container orchestration and how to scale Docker across multiple nodes in a simple swarm cluster. This course provides essential foundational knowledge for all other official Docker courses.

Course Outline

Day 1

- The Docker Story
- Introduction to Images
- Creating Images
- System Commands
- Volumes
- Plugins

Day 2

- Docker Networking Basics
- Docker Compose
- Scaling out with Swarm Mode
- Managing Secrets

Who Should Attend

Developers, operators, and architects desiring a strong foundation in Docker technologies and an introductory hands-on experience building, shipping, and running Docker containers.

Learning Objectives

By the end of the course successful students will be able to:

- Understand what Docker is and how Docker can modernize the software supply-chain
- Conceptualize a mental model for Docker workflow
- Understand the foundations of Docker security and apply secrets management
- Understand the foundations of containerization on a single Docker node
- Dockerize an application by writing Dockerfiles
- Create and manage images
- Manage Docker from the command-line
- Understand the usage of volumes
- Apply concepts of the Docker networking model
- Write stack-based compose files
- Understand how Swarm works
- Deploy a swarm application and scale it out
- Manage Docker secrets

Specifications

List Price	USD $1,495 / student
Docker SKU	TRNG-ONS-DFUN-00001
Maximum Class Size	20 students
Delivery Method	Instructor-led training Online or classroom

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