DOCKER FUNDAMENTALS
Course Code: 6016

Get started with Docker.

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

This course is also available as a four-day bundle offering, which includes Docker Fundamentals and Operations in a single intensive training experience.

What You’ll Learn

• What Docker is and how Docker can modernize the software supply-chain
• Conceptualize a mental model for Docker workflow
• Foundations of Docker security and apply secrets management
• Foundations of containerization on a single Docker node
• Dockerize an application by writing Dockerfiles
• Create and manage images
• Apply a basic continuous integration model for Docker
• Usage of volumes
• Apply concepts of the Docker networking model
• Write stack-based compose files
• How Swarm works
• Deploy a swarm application and scale it out
• Apply common Swarm operations

Who Needs to Attend

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

Prerequisites

Familiarity with Linux command line.
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Virtual Classroom Live Outline

Day 1
• The Docker Story
• Introduction to Images
• Creating Images
• System Commands

Day 2
• Docker Networking Basics
• Docker Compose
• Scaling out with Swarm & Kubernetes
• Managing Secrets

Virtual Classroom Live Labs
The 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.
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PRIVATE GROUP TRAINING  2 days

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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