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 $1,400 USD 2 days

Virtual Classroom Live Outline
• The Docker Story
• Introduction to Images
• Creating Images
• Managing Images
• Docker Continuous Integration
• Volumes
• Docker Networking Basics
• Docker Compose
• Scaling out with Swarm Mode
• Swarm Operations
• 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.

Apr 6 - 7, 2020 | 9:00 AM - 6:00 PM EST
Apr 27 - 28, 2020 | 12:00 - 9:00 PM EST
May 11 - 12, 2020 | 9:00 AM - 6:00 PM EST
Jun 15 - 16, 2020 | 9:00 AM - 6:00 PM EST
Jun 22 - 23, 2020 | 12:00 - 9:00 PM EST
Aug 3 - 4, 2020 | 9:00 AM - 6:00 PM EST
Aug 17 - 18, 2020 | 12:00 - 9:00 PM EST
Sep 21 - 22, 2020 | 9:00 AM - 6:00 PM EST
Oct 12 - 13, 2020 | 12:00 - 9:00 PM EST
Nov 9 - 10, 2020 | 9:00 AM - 6:00 PM EST
Dec 7 - 8, 2020 | 12:00 - 9:00 PM EST
Dec 14 - 15, 2020 | 9:00 AM - 6:00 PM EST
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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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