
Docker Fundamentals

Duration: 2 Days Course Code: DOCK6016

Overview:

The Docker Fundamentals training course features the foundational concepts and practices of containerization on a single Docker node. The course offers learners the opportunity to assimilate basic container orchestration and how to scale Docker across multiple nodes in a simple swarm or Kubernetes cluster. This course provides essential foundational knowledge for subsequent Docker courses.

Target Audience:

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

Objectives:

- Understand the foundations of containerization on a single Docker node
 - Create an image using Dockerfile best practices
 - Use volumes in the application development process
 - Apply concepts of the Docker networking model
 - Understand the goal of services as a method of scaling
 - containers
 - Utilize two different orchestrators (Swarm and Kubernetes) to deploy a single application across multiple machines
 - Create a secret and understand its accessibility capabilities
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Prerequisites:

Familiarity with Linux command line.

Content:

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
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Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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