Docker Fundamentals

Duration: 2 Days Course Code: DOCK6016

Overview:

Get started with Docker. 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:

- By the end of the course successful learners will be able to:
- 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

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

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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