

DOCKER FUNDAMENTALS (2 Days)

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 cluster. This course provides essential foundational knowledge for subsequent Docker courses. Platform Availability: Linux, Windows

Skills Gained

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

- Assess the advantages of a containerized software development & deployment
- Use Docker engine features necessary for running containerized applications
- Utilize Swarm and Kubernetes orchestrators to deploy, maintain, and scale a distributed application

Who Can Benefit

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

Course Outline

Day 1

- Introducing Docker
- Containerization Fundamentals
- Creating Images
- Docker Volumes

Day 2

- Docker Networking Basics
- Introduction to Docker Compose
- Introduction to Swarm Mode
- Introduction to Kubernetes
- Secrets
- Fundamentals Signature Assignment