CN100: Docker Containerization Essentials

Price: 800

Duration: 1 days

Delivery Methods: Virtual

Overview

The **CN100: Docker Containerization Essentials** course is designed to equip learners with the fundamental skills needed to effectively utilize **Docker** for application deployment and management. Throughout this course, participants will explore key concepts such as **containerization**, **image creation**, and **orchestration**. By the end, learners will be able to create and manage containers, ensuring streamlined application development and deployment.The practical applications of these skills are vast, enabling professionals to enhance their workflows, improve application consistency, and optimize resource utilization. Whether you're new to Docker or looking to deepen your knowledge, this course provides the essential tools to excel in today's dynamic IT environment.

Audience

General technical audiences & IT professionals who would like to begin creating high performance containers for new or existing applications

Prerequisites

- Familiarity with the bash shell: filesystem navigation and manipulation ; command line text editors like vim or nano ; common tooling like curl, wget and ping

Topics

☐ Containerization motivations and implementation

- Usecases
- Comparison to virtual machines

- Creating, managing and auditing containers

  - Container implementation from the Linux kernel
  - Container lifecycle details
  - Core container creation, auditing and management CLI

- Best practices in container image design

  - Layered filesystem implementation and performance implications
  - Creating images with Dockerfiles
  - Optimising image builds with multi-stage builds and image design best practices

- Single-host container networking

  - Docker native networking model
  - Software defined networks for containers
  - Docker-native single-host service discovery and routing

- Provisioning external storage

  - Docker volume creation and management
  - Best practices and usecases for container-external storage.

Course Schedule

Date	Time	Price	Options

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