Docker Fundamentals + Enterprise Operations Bundle

The Docker Fundamentals + Enterprise Operations Bundle includes the full Docker for Enterprise Operations course as well as the prerequisite Docker Fundamentals course run back to back in a single intensive training experience. 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. As the follow-on to the Docker Fundamentals course, Docker for Enterprise Operations is a role-based course designed for Docker Operations teams to accelerate their Docker journey in the enterprise. The course covers in-depth core advanced features of Docker EE and best practices to apply these features at scale with enterprise workloads. Platform Availability: Linux, Windows (Fundamentals Only)

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
- Identify the key features of UCP and DTR
- Deploy applications on UCP using Swarm or Kubernetes, governed by secure, role-based authentication and authorization
- Establish a secure supply chain for containerized software development using DTR

Who Can Benefit
IT professionals with an operations or system administration background desiring an intense and rapid onramp to Docker technologies

Course Details

Course Outline
Day 1

- Introducing Docker
- Containerization Fundamentals
- Creating Images
- Docker Volumes
Day 2
- Docker Networking Basics
- Introduction to Swarm Mode
- Introduction to Kubernetes
- Fundamentals Signature Assignment

Day 3
- Introduction to Docker Enterprise Edition
- Universal Control Plane
- User Management and Access Control
- UCP Orchestration
- Container Network Operations

Day 4
- Application Health and Readiness Checks
- Platform Security
- Docker Trusted Registry
- DTR Organizations and Teams
- Content Trust

Day 5
- Image Security Scanning
- Repository Automation
- Image Management
- Operations Signature Assignment