



Docker Certification Program



"Master Containerization and Orchestration Skills"



UPSKILLMENT



INTRODUCTION



The Docker Certification Training Course provides a comprehensive understanding of containerization and Docker, enabling you to build, deploy, and manage applications effectively. This course covers key Docker concepts and helps you prepare for the Docker Certification Exam. With a focus on real-world scenarios and hands-on experience, you'll be able to implement best practices in container security and orchestration. The course explores Docker architecture, containerization, Docker Compose, and Docker Swarm for orchestration. You'll also learn to manage containers and images while optimizing the deployment process using industry-leading tools.

Duration: 2-3 Weeks

Mode: Live (Weekday & Weekend Batches) / Self-paced also available

Modules: 10

Total Hours: 14

Skills Covered: 10+

CURRICULUM

Module 1: Introduction to Docker & Containerization

- **Containerization Concepts:** Understand the fundamentals of containerization, its benefits over traditional virtual machines, and the role Docker plays in modern DevOps.
- **Docker Architecture & Installation:** Learn about Docker components like Docker Engine and Docker Hub, and install Docker on your local machine to start building containers.

Module 2: Docker Images and Containers

- **Creating and Managing Docker Images:** Learn to build custom Docker images from Dockerfiles and store them in repositories like Docker Hub.
- **Running and Managing Containers:** Master container management commands, including creating, starting, stopping, and removing containers, and how containers interact with each other.

Module 3: Docker Compose for Multi-Container Applications



- Using Docker Compose: Learn how to define and manage multi-container applications with Docker Compose, making complex setups simpler.
- Scaling & Deployment: Use Docker Compose to manage the lifecycle of multi-container applications and deploy them for better scalability.

Module 4: Docker Swarm & Orchestration

- Introduction to Docker Swarm: Understand container orchestration and set up Docker Swarm for managing a cluster of containers across multiple nodes.
- Service Management in Swarm: Learn how to deploy, scale, and update services in a Docker Swarm cluster for high availability and failover support.

Module 5: Docker Security & Best Practices

- Securing Docker Containers: Learn about container security best practices, including image scanning and vulnerability management.
- Best Practices for Deployment: Explore strategies to deploy and run secure Docker containers, protecting sensitive data and ensuring secure environments.

Module 6: Docker Monitoring, Logging, and Final Project

- Container Monitoring and Logging: Understand how to monitor the health of containers and manage logs using Docker's logging drivers and third-party tools.
- Final Project: Apply your Docker skills in a real-world project, deploying a complete application with Docker, preparing you for the Docker Certification Exam.

Docker Training Outlook

- Career Growth: Docker-certified professionals are in high demand across industries like software development, DevOps, and cloud engineering, with containerization expertise boosting employability.
- Higher Salary Potential: Docker certification can lead to salaries around \$100,000, with roles like DevOps Engineers earning between \$110,000 and \$160,000 depending on experience.
- Career Advancement: Docker certification showcases professional growth, with 26% of certified individuals reporting job promotions, enhancing career prospects and recognition.

Docker Training Features :

- Flexible Learning and Rescheduling Options
- Tailor your learning schedule with weekday or weekend classes and morning or evening sessions to fit your commitments. Missed a session? Easily reschedule and join a batch that matches your availability.
- Personalized Learning Support
- Benefit from a dedicated Learning Manager who provides personalized guidance, resolves your queries, and supports you throughout the course to ensure a seamless learning experience.
- Practical and Job-Focused Training
- Gain hands-on experience through industry-relevant projects and real-world simulations. Enhance your employability with dedicated job assistance, including resume building, interview preparation, and placement support.
- Industry-Recognized Certification
- Earn a prestigious certification endorsed by top organizations, validating your expertise and giving you a competitive edge in the global job market.

LET'S CONNECT

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