

CONTAINERIZATION MODULE 01

Fundamental Containerization

Arcitura®
CERTIFIED
Containerization
Architect

OVERVIEW

This course provides comprehensive coverage of containerization models, technologies, mechanisms and environments. How the utilization of containers impacts both the technology and business of an organization are covered, along with many technical features, characteristics and deployment environments.

The primary topics covered by this course are:

- A Brief History of Containerization
- Traditional Linux Containers and the Evolution of Contemporary Containers
- Containers vs. Virtual Machines and Server Virtualization
- LXC/LDX, Docker and Kubernetes
- Technical and Business Benefits and Challenges of using Containers
- Fundamental Container Architectural Models
- Container Engines, Build Files and Images
- Cloud-based Containers and Container Pods
- Fundamental Container Scalability and Availability
- Container Configuration Management
- Containers and Immutable Infrastructure Resources
- Containers and Infrastructure as Code (IaC) and Configuration as Code (CaC)
- Containerizing Stateful Applications
- Containers and Namespaces
- Fundamental Containerization Patterns and Mechanisms
- Rich Containers and Serverless Deployment
- Container Chains and Sidecars
- Application Mobility with Containers
- How Containers Relate to and Support Microservices and Machine Learning
- Utilizing Containers with DevOps and CI/CD

Duration: 1 Day

TRAINING + CERTIFICATION

This course is part of a training and accreditation program through which official certification can be achieved and for which official training and certification badges can be issued.

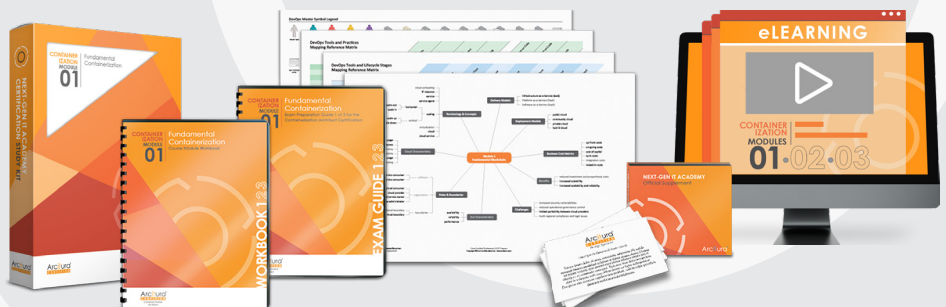


www.arcitura.com/containerization

eLEARNING + PRINTED STUDY KITS

This Arcitura study kit includes the contents listed below. These course materials are available in full-color printed format, as well as in eLearning subscription format, via online access and offline file download.

- Workbook (1 of 3)
- Exam Preparation Guide (1 of 3)
- Mind Map Poster
- Patterns and Mechanisms Poster
- Patterns and Compound Patterns Poster
- Symbol Legend Poster
- Flashcards
- Audio Tutor Recording



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EXAM PROCTORING

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CONTAINERIZATION MODULE 01

Fundamental Containerization

	Certified DevOps Specialist	Certified Blockchain Architect	Certified IoT Architect	Certified Containerization Architect	Certified Machine Learning Specialist	Certified Artificial Intelligence Specialist
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MODULE 01 Fundamental DevOps



MODULE 02 DevOps in Practice



MODULE 03 DevOps Lab



MODULE 01 Fundamental Blockchain



MODULE 02 Blockchain Technology & Architecture



MODULE 03 Blockchain Technology & Architecture Lab



MODULE 01 Fundamental IoT



MODULE 02 IoT Technology & Architecture



MODULE 03 IoT Technology & Architecture Lab



MODULE 01 Fundamental Containerization



MODULE 02 Containerization Technology & Architecture



MODULE 03 Containerization Technology & Architecture Lab



MODULE 01 Fundamental Machine Learning



MODULE 02 Advanced Machine Learning



MODULE 03 Machine Learning Lab



MODULE 01 Fundamental Artificial Intelligence



MODULE 02 Advanced Artificial Intelligence



MODULE 03 Artificial Intelligence Lab

