

CONTAINERIZATION MODULE 02

Containerization Technology & Architecture

Arcitura®
CERTIFIED
Containerization
Architect

OVERVIEW

This course provides a deep-dive into containerization architectures, hosting models, deployment models and utilization by services and applications. Numerous advanced topics are covered, including high performance requirements, clustering, security and lifecycle management.

The following primary topics are covered:

- Hyper Containers and Containers Deployment Models
- Customizing and Distributing Container Images
- Container Image Version Control
- Advanced Container Architectural Models
- Container Execution Environments
- Container Networking Model and Overlay Networking
- Managing and Controlling Container Traffic Types
- Container Storage Management and Shared Volume Management
- Container Configuration Descriptor, Runtime Management and Volatile Configurations
- Container Clustering and Scalable Cluster Architectures
- Container Proxies and APIs
- Container Orchestration and Service Composition
- High-Availability Containers and Advanced Container Scalability
- Self-Healing Applications with Containers
- Container Security Considerations and Digital Certificates
- Container Lifecycle Management and Monitoring Containers
- Container Backup and Recovery
- Advanced Containerization Patterns and Mechanisms
- Single-Node Multi-Containers and Multi-Container Isolation Control
- Leader Node Election and Micro Scatter Gather

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 (2 of 3)
- Exam Preparation Guide (2 of 3)
- Mind Map Poster
- Patterns and Mechanisms Poster
- Patterns and Compound Patterns Poster
- Flashcards
- Audio Tutor Recording



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EXAM PROCTORING

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Credly

CONTAINERIZATION MODULE 02

Containerization Technology & Architecture

	Certified DevOps Specialist	Certified Blockchain Architect	Certified IoT Architect	Certified Containerization Architect	Certified Machine Learning Specialist	Certified Artificial Intelligence Specialist
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						●