

CCP MODULE 16

Fundamental Cloud Virtualization

Arcitura®
CERTIFIED
Cloud Virtualization
Specialist

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/ccp/virtualization

OVERVIEW

This course provides solid, end-to-end, foundational coverage of virtualization technologies, types and mechanisms. Core topic areas pertaining to the fundamental virtualization mechanisms and types used within contemporary cloud computing platforms are explored, along with various key performance indicators and related metrics.

The following primary topics are covered:

- A Brief history of Virtualization
- Virtualization Concepts and Definitions
- Traditional vs. Contemporary Virtualization
- 10 Virtualization Types
- Data Center, Storage, Application, Desktop, Network, Server, etc.
- 18 Virtualization Mechanisms
- Virtualization Agent, Virtual Server State Manager, Virtual Appliance, Virtual Firewall, etc.
- Virtual Machines, Hypervisor Drill-Down
- vCPU, vRAM, vDisk, Virtual to Virtual Conversion
- Thick and Thin Provisioning, Virtual Switches, NIC Teaming
- Service Virtualization ROI and Strategic Benefits
- Virtualization Considerations for Cloud Providers and Consumers
- Resource Pooling and Management, Virtual Infrastructure and Management
- Monitoring and KPIs
- Capacity Planning and Management Considerations

Duration: 1 Day

eLEARNING + PRINTED STUDY KITS

This course is available as part of a study kit that includes course materials and supplemental self-study materials. The study kit is available in full-color printed format and eLearning format. Both types of study kits include the contents listed below.

- Workbook
- Self-Study Guide
- Supplement
- Mind Map Poster
- Flashcards
- Audio Tutor Recordings



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	Certified Cloud Professional*	Certified Cloud Technology Professional	Certified Cloud Architect	Certified Cloud Security Specialist	Certified Cloud Governance Specialist	Certified Cloud Storage Specialist	Certified Cloud Virtualization Specialist
MODULE 01 Fundamental Cloud Computing	●	●	●	●	●	●	●
MODULE 02 Cloud Technology Concepts	●	●	●	●	●	●	●
MODULE 03 Cloud Technology Lab		●					
MODULE 04 Fundamental Cloud Architecture			●				
MODULE 05 Advanced Cloud Architecture			●				
MODULE 06 Cloud Architecture Lab			●				
MODULE 07 Fundamental Cloud Security				●			
MODULE 08 Advanced Cloud Security				●			
MODULE 09 Cloud Security Lab				●			
MODULE 10 Fundamental Cloud Governance					●		
MODULE 11 Advanced Cloud Governance					●		
MODULE 12 Cloud Governance Lab					●		
MODULE 13 Fundamental Cloud Storage						●	
MODULE 14 Advanced Cloud Storage						●	
MODULE 15 Cloud Storage Lab						●	
MODULE 16 Fundamental Cloud Virtualization							●
MODULE 17 Advanced Cloud Virtualization							●
MODULE 18 Cloud Virtualization Lab							●

* The Certified Cloud Professional designation is automatically issued when achieving any other CCP certification. It can also be achieved by receiving passing grades on Exams C90.01 + C90.02.

Arcitura Cloud School (www.arcitura.com/cloud-school)