

CCP MODULE 17

Advanced 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 builds upon Module 16 by exploring a range of industry practices and management and design topics for cloud-based contemporary virtualization environments, by breaking them down into design patterns and technologies that can be combined to form common cloud-based technology architectures and solutions.

The following primary topics are covered:

- Connectivity and Accessibility Considerations
- Virtual Server and Virtual Switch Isolation
- NAT/Host and External Connectivity
- Performance, Capacity and Scaling Considerations
- Direct I/O and Single Root I/O Virtualization
- LUN Access and NIC Teaming
- Elastic Resources and Resource Workload Management
- Load Balanced Virtual Server and Virtual Switches
- Different Forms of Virtual Server and Host Affinity/Non-Affinity
- Memory Over-Committing and Power Consumption Reduction
- Failover and Recovery and Zero Downtime
- Resource Pooling and Reservation and Auto Crash Recovery
- Hypervisor Clustering and Redundant Physical Connections
- Migration and Relocation Considerations
- Cross-Hypervisor Workload Mobility and Non-Disruptive Service Relocation
- Persistent Virtual Network Configurations and Virtual Server Folder Migration
- Virtual Disk Splitting and Stateless Hypervisors

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
- Mind Map Poster
- Flashcards
- Audio Tutor Recordings



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Advanced Cloud Virtualization

| | 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)