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

STUDY KIT CONTENTS

This course is available as part of an Arcitura Study Kit that includes the contents listed below. In addition to the base course materials used during training workshops, additional materials designed for self-study purposes are also included.

- Presentation Booklet
- Workbook
- Self-Study Guide
- Mind Map Poster
- Flashcards
- Cloud Computing Design Patterns Textbook
- Audio Tutor Recordings (usb)