

CompTIA Cloud+ Certification

CVO-004



Duration: 5 days

Audience/Prerequisites: This course assumes that students have some applied knowledge of computers, networks, and cybersecurity principles. Knowledge equivalent to the CompTIA Security+ certification is helpful but not necessary.

Description: CompTIA Cloud+ CVO-004 provides the basic knowledge and skills needed to analyze, select, monitor, and protect cloud resources in a vendor-neutral format; this includes vulnerability management, network reconnaissance and monitoring, connecting networks to clouds, cloud migration, secure policies and procedures, host and network security, identity management systems, and incident response. This course maps to the CompTIA Cloud+ CVO-004 certification exam. Objective coverage is marked throughout the course.

OUTLINE:

CHAPTER 1: CLOUD COMPUTING FUNDAMENTALS

Module A: Cloud computing concepts
Module B: Cloud models
Module C: Cloud environments

CHAPTER 2: RESOURCE VIRTUALIZATION

Module A: Compute resources
Module B: Storage solutions
Module C: Networking solutions

CHAPTER 3: SERVICE DEPLOYMENT

Module A: Infrastructure provisioning
Module B: Application services
Module C: High availability services

CHAPTER 4: AUTOMATION AND DEVELOPMENT

Module A: Automation and orchestration
Module B: DevOps fundamentals

CHAPTER 5: PLANNING CLOUD SOLUTIONS

Module A: Capacity planning
Module B: Service migrations

CHAPTER 6: CLOUD OPERATIONS

Module A: Logging and monitoring systems
Module B: Resource optimization
Module C: Environmental maintenance and updates

CHAPTER 7: DISASTER PLANNING

Module A: Disaster recovery
Module B: Cloud backup

CHAPTER 8: SECURING CLOUD ENVIRONMENTS

Module A: Cloud security overview
Module B: Security assessment and remediation
Module C: Identity and access management

CHAPTER 9: SECURING CLOUD RESOURCES

Module A: Data security and compliance
Module B: Secure cloud networking
Module C: Secure cloud resources

CHAPTER 10: CLOUD TROUBLESHOOTING

Module A: Deployment troubleshooting
Module B: Network troubleshooting
Module C: Security troubleshooting