
CompTIA Cloud+ Certification (Exam CV0-003)

Class Length

5 Days

Overview

This course covers in depth the skills and abilities needed to operate in the cloud, validating that candidates have the technical experience needed to deploy, secure, and automate environments regardless of the vendor solution.

Prerequisite Comments

There are no prerequisites, but it is recommended to have CompTIA Network+ and Server+ certifications and 2-3 years of experience in systems administration or networking.

Target Audience

Sr. Systems Administrator
Cloud Engineer
Systems Engineer
Sr. Network Administrator
Sr. Network Engineer
Cloud Specialist
Cloud Project Manager

Course Objectives

After completion of this course you will be able to describe:
Cloud architecture and design
Security within the cloud
Automation and virtualization
Troubleshooting and Disaster recovery
High availability

Course Outline

1 - Understanding Cloud Concepts

Topic 1A: Recognize Cloud Concepts
Topic 1B: Recognize Cloud Terms
Topic 1C: Understand the Troubleshooting Methodology

2 - Planning and Designing a Cloud Environment

Topic 2A: Meet Cloud Business Requirements
Topic 2B: Design Capacity Planning and Requirements

3 - Administering Cloud Resources

Topic 3A: Manage Cloud Administration
Topic 3B: Manage Compute Resources in the Cloud
Topic 3C: Manage Memory Resources

4 - Managing Cloud Storage

Topic 4A: Understand Cloud Storage Types
Topic 4B: Configure Cloud Storage Solutions
Topic 4C: Configure Cloud Storage Protocols and RAID

5 - Managing Networks in the Cloud

Topic 5A: Deploying Cloud Network Services
Topic 5B: Identify Cloud Network Infrastructure Components

6 - Securing and Troubleshooting Networks in the Cloud

Topic 6A: Secure a Network in a Cloud Environment
Topic 6B: Troubleshooting Cloud Connectivity

7 - Managing Cloud Migrations and Troubleshooting Cloud Deployments

Topic 7A: Manage Cloud Migrations
Topic 7B: Troubleshoot Cloud Deployment and Migration Issues

8 - Managing Cloud Automation and Orchestration

Topic 8A: Understand Cloud Automation and Orchestration Techniques
Topic 8B: Troubleshoot Automation and Orchestration in the Cloud

9 - Understanding Cloud Security Concepts

Topic 9A: Administer Identity and Access Management in the Cloud
Topic 9B: Manage Cloud Operating System and Application Security
Topic 9C: Manage Data Security and Compliance in the Cloud

10 - Managing Cloud Security

Topic 10A: Implement Security Measures in the Cloud Domain
Topic 10B: Troubleshoot Cloud Security

11 - Managing Cloud Performance

Topic 11A: Operate Efficiently in the Cloud
Topic 11B: Accomplish Cloud Operations Tasks
Topic 11C: Optimize Cloud Resources
Topic 11D: Troubleshoot Common Cloud Performance Problems

12 - Managing Maintenance in the Cloud

Topic 12A: Configure Logs, Monitoring, and Alerting for Cloud Services
Topic 12B: Manage Backup and Restore in the Cloud

13 - Implementing High Availability and Disaster Recovery in the Cloud

Topic 13A: Understand High Availability and Scaling in the Cloud
Topic 13B: Manage Disaster Recovery in the Cloud
Topic 13C: Incident Response