

# **CompTIA Cloud+ (CV0-003)**

**Modality: Virtual Classroom**

**Duration: 5 Days**

## **About this Course:**

CompTIA Cloud+ is a global certification that validates the skills needed to deploy and automate secure cloud environments that support the high availability of business systems and data.

## **Course Objectives:**

- About planning and deployment of a successful cloud system, how to view cloud deployment models and their network interactions, and how to evaluate computer resources required for successful cloud implementation
- How to test an environment before cloud deployment and how to migrate and integrate cloud services
- About security controls and about cryptography and its uses
- About data security and how to use security automation tools and techniques
- About cloud updates and patching, about cloud backup, and how to schedule and perform cloud maintenance
- About disaster planning and recovery
- About cloud resource provisioning and how to run performance analyses
- How to allocate compute resources and monitor resource usage
- About the troubleshooting process, about deployment and capacity troubleshooting, and how to troubleshoot automation issues
- How to troubleshoot network issues and about security troubleshooting

## **Course Outline:**

### **Lesson 1: Understanding Cloud Concepts**

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

### **Lesson 2: Planning and Designing a Cloud Environment**

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

### **Lesson 3: Administering Cloud Resources**

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

## **Lesson 4: Managing Cloud Storage**

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

## **Lesson 5: Managing Networks in the Cloud**

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

## **Lesson 6: Securing and Troubleshooting Networks in the Cloud**

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

## **Lesson 7: Managing Cloud Migrations and Troubleshooting Cloud Deployments**

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

## **Lesson 8: Managing Cloud Automation and Orchestration**

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

## **Lesson 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

## **Lesson 10: Managing Cloud Security**

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

## **Lesson 11: Managing Cloud Performance**

- Topic 11A: Operate Efficiently in the Cloud

- Topic 11B: Accomplish Cloud Operations Tasks
- Topic 11C: Optimize Cloud
- Topic 11D: Troubleshoot Common Cloud Performance Problems

## **Lesson 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

## **Lesson 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: Manage Backup and Restore in the Cloud

## **Appendix A: Mapping Course Content to CompTIA**

### **Cloud+ (CV0-003)**

- Solutions
- Glossary
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