

CompTIA Cloud+

This course provides the basic knowledge and skills needed to analyze, deploy, automate, and secure cloud resources in a vendor-neutral format. It includes provisioning virtual and cloud resources, configuring high availability systems, automating and optimizing cloud deployments, securing resources and identity systems, monitoring and responding to issues, and troubleshooting problems in the cloud.

How you'll benefit

This class will help you:

- Learn the skills necessary to evaluate and implement standard cloud deployments. Students will use cloud technologies, including network, storage, and virtualization components, to create cloud solutions. Students will also manage workload migrations, manage cloud vendors to control costs, use automation and orchestration to bring business value from cloud solutions, and ensure cloud security.

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10%
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs Run up to Date Code for all our courses

Objectives

Upon completing this course, the student will be able to meet these objectives:

- Prepare to deploy cloud solutions
- Deploy a pilot project
- Test a pilot project deployment
- Design a secure network for cloud deployment
- Determine CPU and memory sizing for cloud deployments
- Determine storage requirements for cloud deployments
- Plan Identity and Access Management for cloud deployments
- Analyze workload characteristics to ensure successful migration to the cloud
- Secure systems to meet access requirements
- Maintain cloud systems

Course Duration
5 day
Course Price
\$2,895.00
Methods of Delivery
• Instructor Led
• Virtual ILT
• On-Site
Certification Exam
CV0-003

CompTIA Cloud+

- Implement backup, restore, and business continuity measures
- Analyze cloud systems for required performance
- Analyze cloud systems for anomalies and growth forecasting
- Troubleshoot deployment, capacity, automation, and orchestration issues
- Troubleshoot connectivity issues
- Troubleshoot security issues

Who Should Attend

The job roles best suited to the material in this course are:

This course is designed for IT professionals who wish to develop cloud computing skills to enable them to move IT workloads to the cloud and integrate products and services from different providers and industries. Their focus is to ensure that cloud deployments are secure, that automation and orchestration are used effectively to bring business value from the cloud, and that costs are controlled through effective management of cloud vendors.

Prerequisites

To fully benefit from this course, you should have the following knowledge:

To ensure your success in this course, you should have 24-36 months' experience with IT networking, network storage, and data center administration. You should also have familiarity with any major hypervisor technologies for server virtualization, basic knowledge of common cloud service models, and common cloud deployment models.

Outline

Module 0: Introduction

- Course setup

Module 1: Cloud computing fundamentals

- Cloud computing concepts
- Computing expenditures
- Cloud models

Module 2: Planning cloud solutions

- Cloud environments

CompTIA Cloud+

- Capacity planning
- Project requirements

Module 3: Resource virtualization

- Compute resources
- Storage solutions
- Networking solutions

Module 4: Service deployment

- Resource provisioning
- High availability services
- Service migrations

Module 5: Cloud operations

- Automation and orchestration
- Resource optimization
- Environmental maintenance and upgrades

Module 6: Business continuity

- Business continuity
- Cloud backup

Module 7: Securing cloud environments

- Cloud security overview
- Security assessment and remediation
- Identity and access management

Module 8: Securing cloud resources

- Data security and compliance
- OS and application security
- Network security

CompTIA Cloud+

Module 9: Monitoring and incident response

- Logging and monitoring systems
- Incident response procedures

Module 10: Deployment troubleshooting

- The troubleshooting process
- Deployment and capacity troubleshooting
- Automation troubleshooting

Module 11: Infrastructure troubleshooting

- Network troubleshooting
- Security troubleshooting