

Online CompTIA Cloud+ Certification Course

75 Hours / 6 Months

Course Description

The best time to pursue CompTIA Cloud+ training is right now. Cloud computing is a growing field as experts create innovative ways to store, manage, access, and protect some of the world's most important data. The global cloud computing market is projected to reach \$270 billion by 2020. This impressive industry growth is increasing the demand for professionals with cloud computing skills. This online course is designed for individuals who are just starting out in information technology.

Curious how difficult the course is? It's actually ideal for those who have limited experience. You'll learn everything you need to pass the certification exam and pursue a career in cloud computing, starting with the basics of cloud service environments. This course covers key concepts and skills, including virtualization, infrastructure, troubleshooting, resource management, security, systems management, and business continuity.

Incorporating visual, auditory, and hands-on learning, the course is aligned with the highly regarded CompTIA Cloud+ certification. It includes applied learning activities to ensure you gain a working knowledge of the concepts taught, as well as the ability to implement them in real-life situations. After completing the course, you will be prepared for the CompTIA™ Cloud+ CVO-002 Certification designation.

Prerequisites

There are no prerequisites to enroll in this course, however CompTIA™ A+ and CompTIA™ Network+ certifications, or comparable training, or equivalent industry experience is strongly recommended prior to taking this course.

What You Will Learn

- A solid foundation in key cloud concepts, models, and computing skills
- How to implement and maintain virtualization, infrastructure, troubleshooting, resource management, security, systems management, and business continuity
- How to assess and establish network and storage security concepts and best practices in cloud environments
- How to diagnose and optimize cloud computing performance
- How to deploy and maintain hardware resources and enable virtual environments

Hardware Requirements

- This course can be taken on either a PC or Mac. Mac users are encouraged to have access to a Windows environment on their device

Software Requirements:

- PC: Windows 8 or newer.
- Mac: OS X Snow Leopard 10.6 or later.
- Browser: The latest version of Google Chrome or Mozilla Firefox are preferred. Microsoft Edge and Safari are also compatible.
- Adobe Acrobat Reader. [Click here](#) to download.
- Software must be installed and fully operational before the course begins.

Other:

- Email capabilities and access to a personal email account.

Course Outline

MODULE	TOPICS COVERED
1: Cloud Concepts and Models	<ul style="list-style-type: none"> • Contrasting Cloud Services • Contrasting Cloud Delivery Models • Cloud Characteristics and Terms • Object Storage Concepts
2: Virtualization	<ul style="list-style-type: none"> • Differences in Hypervisor Roles • Install, Configure, and Manage Virtual Machines and Devices • Virtual Resource Migration • Benefits of Virtualization in a Cloud Environment • Virtual Components Used to Construct Cloud Environments
3: Infrastructure	<ul style="list-style-type: none"> • Storage Technologies • Storage Configuration Concepts • Storage Provisioning • Network Configuration • Network Optimization • Troubleshooting Basic Network Connectivity Issues • Common Network Protocols, Ports, and Topologies • Hardware Resources and Features Used to Enable Virtual Environments
4: Resource Management	<ul style="list-style-type: none"> • Resource Monitoring Techniques • Best Practice for Appropriate Allocation of Physical Host Resources • Best Practice for Appropriate Allocation of Virtual Guest Resources • Appropriate Remote Access Tools
5: Security	<ul style="list-style-type: none"> • Network Security Concepts, Tools and Best Practices • Storage Security Concepts, Tools and Best Practices • Encryption Technologies and Methods • Identifying Access Control Methods • Implementing Guest and Host Hardening Techniques
6: Systems Management	<ul style="list-style-type: none"> • Policies and Procedures in a Cloud Environment • Diagnose Remediate, and Optimize Physical Host Performance • Host and Guest Performance Concepts • Implement Appropriate Testing Techniques when Deploying Cloud Services
7: Business Continuity in the Cloud	<ul style="list-style-type: none"> • Disaster Recovery Methods and Concepts • Deploying Solutions to Meet Availability Requirements