

CompTIA Cloud+ Certification

Theory and Practical
5 Days



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Course Overview

This course offers the knowledge and skills required for working in a cloud computing environment and prepares delegates to take the CompTIA Cloud+ exam (Exam CV0-003). Cloud+ shows you have the expertise needed for data center jobs.

CompTIA Cloud+ certification is an internationally recognized validation of the knowledge required of IT practitioners working in cloud computing environments. The exam will certify the successful candidate has the knowledge and skills required to understand standard cloud methodologies; to implement, maintain, and deliver cloud technologies (e.g., network, storage, and virtualization technologies); and to understand aspects of IT security and use industry best practices related to cloud implementations.

CompTIA Cloud+ reflects an emphasis on incorporating and managing cloud technologies as part of broader systems operations. It assumes a candidate will weave together solutions that meet specific business needs and work in a variety of different industries. It includes the new technologies to support the changing cloud market as more organizations depend on cloud-based technologies to run mission critical systems, and hybrid and multi-cloud have become the norm. Those planning for a career in this field gain a competitive edge once they're equipped with the practical understanding and proficiency in cloud infrastructure delivery, which is outlined in this course.

What Skills Will You Learn?

Cloud Architecture and Design

Analyze the different cloud models to design the best solution to support business requirements.

Cloud Security

Manage and maintain servers, including OS configurations, access control and virtualization.

Cloud Deployment

Analyze system requirements to successfully execute workload migrations to the cloud.

Operations and Support

Maintain and optimize cloud environments, including proper automation and orchestration procedures, backup and restore operations, and disaster recovery tasks.

Troubleshooting

Troubleshoot capacity, automation, connectivity and security issues related to cloud implementations.



Course Content



Cloud Architecture and Design

Compare and contrast the different types of cloud models.

Explain the factors that contribute to capacity planning.

Explain the importance of high availability and scaling in cloud environments.

Given a scenario, analyze the solution design in support of the business requirements.

Security

Given a scenario, configure identity and access management.

Given a scenario, secure a network in a cloud environment.

Given a scenario, apply the appropriate OS and application security controls.

Given a scenario, apply data security and compliance controls in cloud environments.

Given a scenario, implement measures to meet security requirements.

Explain the importance of incident response procedures.

Deployment

Given a scenario, integrate components into a cloud solution.

Given a scenario, provision storage in cloud environments.

Given a scenario, deploy cloud networking solutions.

Given a scenario, configure the appropriate compute sizing for a deployment.

Given a scenario, perform cloud migrations.

Operations and Support

Given a scenario, configure logging, monitoring, and alerting to maintain operational status.

Given a scenario, maintain efficient operation of a cloud environment.

Given a scenario, optimize cloud environments.

Given a scenario, apply proper automation and orchestration techniques.

Given a scenario, perform appropriate backup and restore operations.

Given a scenario, perform disaster recovery tasks.

Troubleshooting

Given a scenario, use the troubleshooting methodology to resolve cloud-related issues.

Given a scenario, troubleshoot security issues.

Given a scenario, troubleshoot deployment issues.

Given a scenario, troubleshoot connectivity issues.

Given a scenario, troubleshoot common performance issues.

Given a scenario, troubleshoot automation or orchestration issues.

What are the Course Requirements?

It is recommended that CompTIA Cloud+ candidates have the following:

- CompTIA Network+ Certification and/or CompTIA Server+ Certification, although CompTIA certifications are not required
- At least 24–36 months of work experience in IT networking, network storage, or data center administration
- Familiarity with any major hypervisor technologies for server virtualization, although vendor-specific certifications in virtualization are not required
- Knowledge of cloud service model (IaaS, PaaS, SaaS) definitions
- Knowledge of common cloud deployment model (Private, Public, Hybrid) definitions
- Hands-on experience with at least one public cloud IaaS platform





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Questions or comments?

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