CompTIA

Cloud+

What is it?

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.

Why is it different?

- CompTIA Cloud+ is the only performance-based IT certification that views cloud-based infrastructure services in the context of broader IT systems operations regardless of the platform.
- Migrating to the cloud presents opportunities to deploy, optimize, and protect mission critical applications and data storage. CompTIA Cloud+ validates the technical skills needed to secure these valuable assets.
- The reality of operating multicloud environments poses new challenges. CompTIA Cloud+ is ideal for cloud engineers who need to have expertise across multiple products and systems.

About the exam

CompTIA Cloud+ validates the skills needed to implement cloud solutions, maintain and optimize cloud environments, and troubleshoot issues encountered when working in the cloud. The major areas of emphasis include:

- Cloud architecture and design
- Security within the cloud
- Automation and virtualization
- Disaster recovery
- High availability

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Exam #

CV0-003

Release Date

May 2021

Languages

English

CE Required?

Yes

Accreditation

Accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M.

What's in this version?

The new CompTIA Cloud+ covers in greater 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.

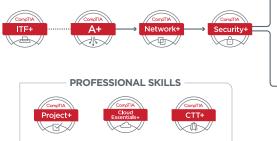**New updates to the CompTIA Cloud+ exam domains:**
- **High availability** is now its own objective and is highlighted as an important factor for disaster recovery and security measures.
- **Automation & virtualization** content including approaches such as continuous integration and continuous deployment ensure candidates have the skills to optimize the cloud to meet business needs.
- **Cloud architecture** has been added as a domain, highlighting the importance of understanding the foundational technologies and concepts that comprise the cloud.
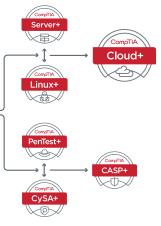
How does CompTIA Cloud+ Compare to Alternatives?

	CompTIA Cloud+	ISC2 Certified Cloud Security Professional (CCSP)	Amazon Web Services (AWS) Solutions Architect · Professional	Microsoft Certified – Azure Solutions Architect Expert
Certification	CompTIA Cloud+	ISC2 Certified Cloud Security Professional (CCSP)	Amazon Web Services (AWS) Solutions Architect · Professional	Microsoft Certified – Azure Solutions Architect Expert
Exam Length	1 exam, 90 min.	125 questions, 4 hours	180 minutes	2 exams
Experience Level	2-3 years in system administration (5 years total IT experience)	5 years (3 in InfoSec & 1 in an exam domain)	2+ years hands-on experience with the AWS cloud	Intermediate career
Performance-based Questions	Yes	No	No	Varied
Exam Focus	Job role based; covers cloud technologies across all vendors and solutions	Not based on job roles; covers cloud security across job roles	Covers only Amazon products & solutions	Covers only Microsoft products & solutions
Prerequisites	No pre-requisites, but 24 to 36 months of systems administration experience recommended	Experience required	None	None
Vendor Neutral	Yes	Yes	No	No

CompTIA Certification Pathway

CompTIA certifications align with the skillsets needed to support and manage IT infrastructure. Enter where appropriate for you. Consider your experience and existing certifications or course of study.

INFRASTRUCTURE PATHWAY

CompTIA ITF+ ···· CompTIA A+ → CompTIA Network+ → CompTIA Security+

CompTIA Server+
CompTIA Linux+
CompTIA Cloud+

PROFESSIONAL SKILLS

CompTIA Project+   CompTIA Cloud Essentials+   CompTIA CTT+

CompTIA PenTest+
CompTIA CySA+
CompTIA CASP+

CYBERSECURITY PATHWAY

Top Cloud+ Job Titles
- Sr. Systems Administrator
- Systems Engineer
- Cloud Engineer
- Sr. Network Administrator
- Sr. Network Engineer
- Cloud Specialist
- Cloud Project Manager

Technical Areas Covered in the Certification

Cloud Architecture & Design
13%

- Compare and contrast the different type of cloud models
- Explain the factors that contribute to capacity planning
- Explain the importance of high availability and scaling in cloud environments
- Analyze the solution design in support of the business requirements

Security
20%

- Configure identity and access management
- Secure a network in a cloud environment
- Apply the appropriate OS and application security controls
- Apply data security and compliance controls in cloud environments
- Implement measures to meet security requirements
- Explain the importance of incident response procedures

Deployment
23%

- Integrate components into a cloud solution
- Provision storage in cloud environments
- Deploy cloud networking solutions
- Configure the appropriate compute sizing for a deployment
- Perform cloud migrations

Operations & Support
22%

- Configure logging, monitoring and alerting to maintain operational status
- Maintain efficient operation of a cloud environment
- Optimize cloud environments
- Apply proper automation and orchestration techniques
- Perform appropriate backup and restore operations
- Perform disaster recovery tasks

Troubleshooting
22%

- Use the troubleshooting methodology to resolve cloud-related issues
- Troubleshoot security issues
- Troubleshoot deployment issues
- Troubleshoot connectivity issues
- Troubleshoot common performance issues
- Troubleshoot automation or orchestration issues

> "CompTIA Cloud+ will set individuals ahead of their peers and make them more valuable to employers."
>
> **Nathan Savolskis**
> System Engineer, Macaulay-Brown, Inc.

Organizations that use CompTIA Cloud +

- NTT Communications Corp.
- Oracle
- MacAulay-Brown, Inc.
- General Dynamics Information Technology
- MorphoTrust USA
- BAE Systems
- US Department of Defense

Research and Statistics

Top Challenges   Businesses report that a lack of expertise is among their top challenges.

Approval   U.S. Navy Credentialing Opportunities On-Line (COOL)-approved for:

- IT-Information Systems Technicians.
- CTN-Cryptologic Technician Networks.
- Information Professional Officers.

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✳ What does it mean to be a "high stakes" exam?

An extraordinarily high level of rigor is employed in developing CompTIA certifications. Each question created for a CompTIA exam undergoes multiple layers of quality assurance and thorough psychometric statistical validation, ensuring CompTIA exams are highly representative of knowledge, skills and abilities required of real job roles. This is why CompTIA certifications are a requirement for many professionals working in technology. Hiring managers and candidates alike can be confident that passing a CompTIA certification exam means competence on the job. This is also how CompTIA certifications earn the ANSI/ ISO 17024 accreditation, the standard for personnel certification programs. Over 2.3 million CompTIA ISO/ANSI- accredited exams have been delivered since January 1, 2011.

✳ What does it mean to be a "vendor-neutral" exam?

All CompTIA certification exams are vendor-neutral. This means each exam covers multiple technologies, without confining the candidate to any one platform. Vendor-neutrality is important because it ensures IT professionals can perform important job tasks in any technology environment. IT professionals with vendor-neutral certifications can consider multiple solutions in their approach to problem-solving, making them more flexible and adaptable than those with training in just one technology.

✳ What is a Performance Certification?

CompTIA performance certifications validate the skills associated with a particular job or responsibility. They include simulations that require the test taker to demonstrate multi-step knowledge to complete a task. CompTIA has a higher ratio of these types of questions than any other IT certifying body.

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