

# 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.
- CompTIA Cloud+ now features flexible training options including self-paced learning, live online training, custom training and labs to advance the career development of IT professionals in cloud administration.

## 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



### 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:

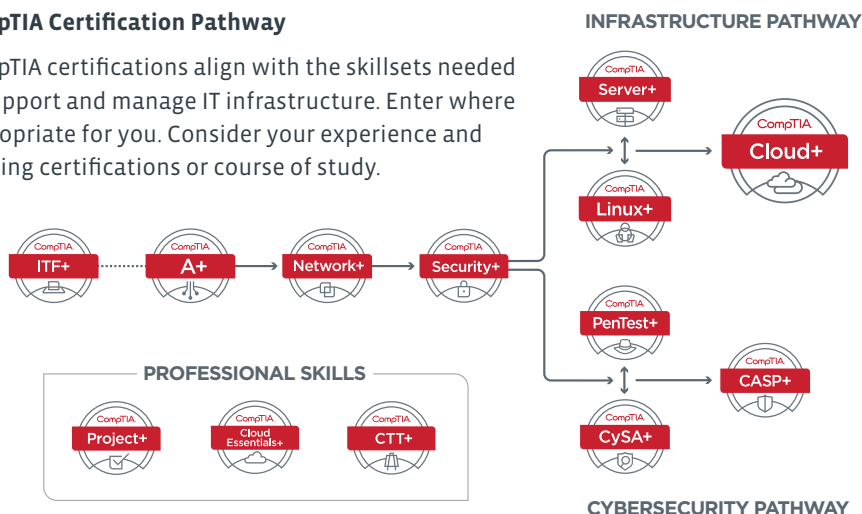
- **High availability** is now its own objective and is highlighted as an important factor for disaster recovery and security measures.
- **Automation & virtualization** content including approaches such as continuous integration and continuous deployment ensure candidates have the skills to optimize 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?

				
<b>Certification</b>	<b>CompTIA Cloud+</b>	<b>ISC2 Certified Cloud Security Professional (CCSP)</b>	<b>Amazon Web Services (AWS) Solutions Architect - Professional</b>	<b>Microsoft Certified – Azure Solutions Architect Expert</b>
<b>Exam Length</b>	1 exam, 90 min.	125 questions, 4 hours	180 minutes	2 exams
<b>Experience Level</b>	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
<b>Performance-based Questions</b>	Yes	No	No	Varied
<b>Exam Focus</b>	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
<b>Prerequisites</b>	No pre-requisites, but 24 to 36 months of systems administration experience recommended	Experience required	None	None
<b>Vendor Neutral</b>	Yes	No	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.



### 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

<p><b>Cloud Architecture &amp; Design</b> <b>13%</b></p> <ul style="list-style-type: none"><li>• Compare and contrast the different type of cloud models</li><li>• Explain the factors that contribute to capacity planning</li><li>• Explain the importance of high availability and scaling in cloud environments</li><li>• Analyze the solution design in support of the business requirements</li></ul>	<p><b>Security</b> <b>20%</b></p> <ul style="list-style-type: none"><li>• Configure identity and access management</li><li>• Secure a network in a cloud environment</li><li>• Apply the appropriate OS and application security controls</li><li>• Apply data security and compliance controls in cloud environments</li><li>• Implement measures to meet security requirements</li><li>• Explain the importance of incident response procedures</li></ul>	<p><b>Deployment</b> <b>23%</b></p> <ul style="list-style-type: none"><li>• Integrate components into a cloud solution</li><li>• Provision storage in cloud environments</li><li>• Deploy cloud networking solutions</li><li>• Configure the appropriate compute sizing for a deployment</li><li>• Perform cloud migrations</li></ul>
<p><b>Operations &amp; Support</b> <b>22%</b></p> <ul style="list-style-type: none"><li>• Configure logging, monitoring and alerting to maintain operational status</li><li>• Maintain efficient operation of a cloud environment</li><li>• Optimize cloud environments</li><li>• Apply proper automation and orchestration techniques</li><li>• Perform appropriate backup and restore operations</li><li>• Perform disaster recovery tasks</li></ul>	<p><b>Troubleshooting</b> <b>22%</b></p> <ul style="list-style-type: none"><li>• Use the troubleshooting methodology to resolve cloud-related issues</li><li>• Troubleshoot security issues</li><li>• Troubleshoot deployment issues</li><li>• Troubleshoot connectivity issues</li><li>• Troubleshoot common performance issues</li><li>• Troubleshoot automation or orchestration issues</li></ul>	

“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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**Learn with CompTIA**

CompTIA offers a variety of learning and training options for students and organizations alike to choose the best option for their situation. Exclusively developed by CompTIA for the CompTIA certification candidate, no other content library covers all exam objectives for all certifications.

**Self-Paced Learning**

*For learners whose schedule and learning preferences are best suited for self-paced study:*

**CertMaster Learn** – comprehensive eLearning including self-assessments and performance-based questions.

**CertMaster/CompTIA Labs** – allows the learner to practice, hands-on, their newly acquired skills.

**CertMaster Practice** – to reinforce knowledge and prepare for your certification exam.

**CertMaster CE** – to renew your certification.

**CompTIA Study Guides** – for acquiring knowledge and studying for a certification exam.

**Instructor-Led Learning**

*For individuals or small groups who prefer to study with an instructor:*

**CompTIA Live Online Training** – two-to-four-week virtual classes that combine live instruction with CompTIA’s leading self-paced training products to prepare the learner for their certification exam.

**CompTIA Tech Career Academy** – similar to a traditional (or virtual) classroom experience, the 12-week classes combine certification instruction with the technical and soft skills.

**CompTIA Custom Training** – Fully customizable training solutions for groups that have specific or mandated needs.