

# CompTIA Cloud+

CompTIA Cloud+ is a cloud certification that validates essential skills necessary to implement, maintain, optimize and troubleshoot cloud-based infrastructure services.

- **The only cloud certification uniquely tailored to in-demand job roles.** CompTIA Cloud+ stands out as the only cloud certification specifically designed to map to real-world demands of cloud operations job roles, validating essential skills necessary for excelling in cloud environments.
- **The exclusive performance-based, vendor neutral cloud certification.** Cloud+ is the only performance-based, vendor-neutral infrastructure certification on the market validating essential skills required of professionals working in multi-cloud environments.
- **The industry standard for establishing hands-on expertise across any cloud environment.** Unlike other certifications on the market, Cloud+ aligns with global IT standards and best practices and proves professionals working in cloud environments have the hands-on and technical skills required to implement, maintain, optimize and troubleshoot cloud solutions.

CompTIA Cloud+ represents the latest advancements in cloud computing, focusing on critical areas such as advanced cloud solutions, security, automation and cloud management. The CompTIA Cloud+ certification exam will certify that the successful candidate has the knowledge and skills required to:

- Understand cloud architecture and design concepts.
- Implement and maintain a secure cloud environment.
- Successfully provision and configure cloud resources.
- Demonstrate the ability to manage operations throughout the cloud environment life cycle using observability, scaling, and automation.
- Understand fundamental DevOps concepts related to deployment and integration.
- Troubleshoot common issues related to cloud management.



Exam #

CV0-004

Release Date

July 16, 2024

Languages

English

CE Required?

Yes

Accreditation

Accredited by ANSI to show compliance with the SO 17024 Standard.

With over 3 million certifications granted in key tech domains, CompTIA's credentials reliably indicate professional competence.

## How Does CompTIA Cloud+ Compare to Alternatives?

<b>Certification</b>		ISC2 CERTIFIED CLOUD SECURITY PROFESSIONAL (CCSP)	AMAZON WEB SERVICES (AWS) SOLUTIONS ARCHITECT – PROFESSIONAL	MICROSOFT CERTIFIED AZURE SOLUTIONS ARCHITECT EXPERT
<b>Experience Level</b>	Intermediate	Intermediate/ Advanced	Intermediate	Intermediate
<b>Performance-based Questions</b>	Yes	No	Yes	Varied
<b>Vendor Neutral</b>	Yes	Yes	No	No
<b>Exam Length</b>	1 exam, 90 minutes	125 questions, 4 hours	1 exam, 180 minutes	2 exams, 130 minutes each
<b>Exam Focus</b>	Job role based; covers cloud technologies across all vendors and solutions	Not job role based; covers cloud security across job roles	Covers only Amazon products and solutions	Covers only Microsoft products and solutions
<b>Prerequisites</b>	~5 years total IT experience, including 2-3 years of networking or systems administration experience recommended	5 years cumulative full-time experience in IT	None	None

### Jobs That Use CompTIA Cloud+

- Systems Administrator
- Systems Engineer
- IT Manager
- Cloud Specialist
- Security Specialist
- Cloud Engineer

### Organizations That Contributed to the Development of CompTIA Cloud+

- Adform A/S
- Protiviti
- Heraldic Clouds Inc
- Revinriley Services LLC
- Harper College
- MindPoint Group
- Trailmix
- Advanced-Operations.IT
- GROWTH HARBOR
- Exchange Technology Services
- Google
- Thales USA
- Wiz
- Backblaze
- Technology Unified LLC
- AWS
- Exchange Technology Services
- Pilancy
- Whole IT PTY LTD
- 7 Layer Solutions, Inc.
- Mambu Tech B.V.
- Dataengine
- Netcare

The great majority of candidates with IT certifications are more confident in their abilities (92%). Furthermore, most have more confidence to explore new job opportunities (81%).

#### PearsonVUE

2023 Value of IT Certifications Candidate Report; 2021 Value of IT Certification Employer Report

## Technical Skills Covered in the Certification and Training

<p>Cloud Architecture</p> <p><b>23%</b></p>	<ul style="list-style-type: none"> <li>• Given a scenario, use the appropriate cloud service model.</li> <li>• Explain concepts related to service availability.</li> <li>• Explain cloud networking concepts.</li> <li>• Compare and contrast storage resources and technologies.</li> <li>• Explain the purpose of cloud-native design concepts.</li> <li>• Compare and contrast containerization concepts.</li> <li>• Compare and contrast virtualization concepts.</li> <li>• Summarize cost considerations related to cloud usage.</li> <li>• Explain the importance of database concepts.</li> <li>• Compare and contrast methods for optimizing workloads using cloud resources.</li> <li>• Identify evolving technologies in the cloud.</li> </ul>
<p>Deployment</p> <p><b>19%</b></p>	<ul style="list-style-type: none"> <li>• Compare and contrast cloud deployment models.</li> <li>• Given a scenario, implement appropriate deployment strategies.</li> <li>• Summarize aspects of cloud migration.</li> <li>• Given a scenario, use code to deploy and configure cloud resources.</li> <li>• Given a set of requirements, provision the appropriate cloud resources.</li> </ul>
<p>Operations</p> <p><b>17%</b></p>	<ul style="list-style-type: none"> <li>• Given a scenario, configure appropriate resources to achieve observability.</li> <li>• Given a scenario, configure appropriate scaling approaches.</li> <li>• Given a scenario, use appropriate backup and recovery methods.</li> <li>• Given a scenario, manage the life cycle of cloud resources.</li> </ul>
<p>Security</p> <p><b>19%</b></p>	<ul style="list-style-type: none"> <li>• Explain vulnerability management concepts.</li> <li>• Compare and contrast aspects of compliance and regulation.</li> <li>• Given a scenario, implement identity and access management.</li> <li>• Given a scenario, apply security best practices.</li> <li>• Given a scenario, apply security controls in the cloud.</li> <li>• Given a scenario, monitor suspicious activities to identify common attacks.</li> </ul>
<p>DevOps Fundamentals</p> <p><b>10%</b></p>	<ul style="list-style-type: none"> <li>• Explain source control concepts.</li> <li>• Explain concepts related to continuous integration/continuous deployment (CI/CD) pipelines.</li> <li>• Explain concepts related to integration of systems.</li> <li>• Explain the importance of tools used in DevOps environments.</li> </ul>
<p>Troubleshooting</p> <p><b>12%</b></p>	<ul style="list-style-type: none"> <li>• Given a scenario, troubleshoot deployment issues.</li> <li>• Given a scenario, troubleshoot network issues.</li> <li>• Given a scenario, troubleshoot security issues.</li> </ul>

Nearly all IT managers (97%) recognize the value certified professionals bring to the organization such as boosting productivity, helping to meet client requirements and closing organizational gaps.

## Research and Statistics

**Cloud+ is in Demand** Employers listed more than 585,100 job postings in the US seeking candidates with cloud related skills during 2023. <sup>1</sup>

**Well-Paying Positions** The median annual salary for Systems Administrators is \$90,520. <sup>2</sup>

**Industry Recognition** CompTIA is #1 in tech job posting mentions including those for Systems Administrators and Systems Engineers. <sup>3</sup>

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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 confidence on the job.

### \* What does it mean to be a “vendor-neutral” certification?

All CompTIA certifications 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 to just one technology.

### \* What does it mean to be “performance based”?

CompTIA performance-based 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.

<sup>1</sup> Lightcast

<sup>2</sup> U.S. Bureau of Labor Statistics

<sup>3</sup> Lightcast