

# CompTIA Cloud+

## What is it?

CompTIA Cloud+ validates the expertise needed to maintain and optimize cloud infrastructure services.

## Why is it different?

IT professionals certified in Cloud+ can better realize the return on investment of cloud infrastructure services. Unlike other certifications, which may focus on a specific vendor or a single function like security or networking, Cloud+ reflects the breadth of skills needed for data center job roles.

## About the exam

CompTIA Cloud+ certification addresses the increased diversity of knowledge, skills and abilities required of today's system administrators and systems engineers and validates what is currently necessary to perform effectively on the job.

The skills validated by Cloud+ echo the voice of the industry. It is the only vendor-neutral, performance-based IT certification that views cloud-based infrastructure services in the context of broader IT systems operations. Cloud computing does not happen in a vacuum with an assigned "cloud administrator", but rather an increasingly important piece of an organization's IT systems.



### Exam #

CV0-002

### Release Date

February 2018

### List Price

\$302

### Languages

English

### CE Required?

Yes

### Accreditation

Accredited by ANSI to show compliance with the ISO 17024 Standard

## What's in this version?

CompTIA Cloud+ (CV0-002) 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.

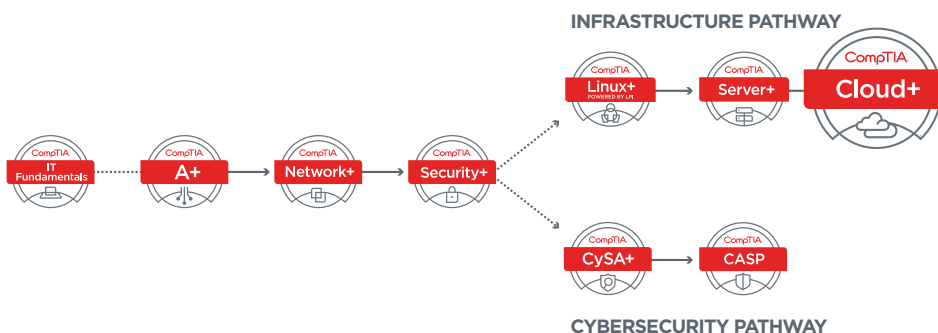
The new exam includes the new technologies to support the changing cloud market as many more organizations depend on cloud-based technologies to run mission critical systems, and hybrid and multi-cloud have become the norm.

## How does Cloud+ Compare to Alternatives?

				
<b>Certification</b>	<b>Cloud+</b>	<b>ISC2 Certified Cloud Security Professional (CCSSP)</b>	<b>Amazon Web Services (AWS) IT Operations Pathway</b>	<b>Microsoft MCSA Cloud</b>
<b>Performance-based Questions</b>	Yes	No	No	No
<b>Exam Length</b>	No more than 100 questions, 90 min.	125 questions, 4 hours	80 minutes	50 minutes
<b>Experience Level</b>	2-3 years in system administration	5 years (3 in InfoSec & 1 in an exam domain)	High level	None required
<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>Pre-requisites</b>	No pre-requisites, but 24 to 36 months of data center experience recommended	Experience required	None	Must pass two prerequisite Microsoft exams
<b>Price</b>	\$302	\$549	\$150	\$115

## 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

- System Administrator
- Systems Engineer
- Network Administrator
- Network Engineer
- Cloud Developer
- Cloud Specialist
- Project Manager, Cloud Computing Services
- Cloud Engineer
- Manager, Data Center SAN
- Business Analyst, Cloud Computing

## Technical Areas Covered in the Certification

<p><b>Configurations &amp; Deployment</b> <b>24%</b></p> <ul style="list-style-type: none"><li>• Analyze system requirements to ensure successful system deployment</li><li>• Execute a provided deployment plan</li><li>• Analyze system requirements to determine if a given testing plan is appropriate</li><li>• Analyze testing results to determine if the testing was successful in relation to given system requirements</li><li>• Analyze sizing, subnetting and basic routing for a provided deployment of the virtual network</li><li>• Analyze CPU and memory sizing for a provided deployment</li><li>• Analyze the appropriate storage type and protection capability for a provided deployment</li><li>• Analyze characteristics of the workload (storage, network, computer) to ensure a successful migration</li><li>• Apply elements required to extend the infrastructure into a given cloud solution</li></ul>	<p><b>Security</b> <b>16%</b></p> <ul style="list-style-type: none"><li>• Apply security configurations and compliance controls to meet given cloud infrastructure requirements</li><li>• Apply the appropriate ACL to the target objects to meet access requirements according to a security template</li><li>• Implement defined security technologies to meet given security requirements on a given cloud service model</li><li>• Apply the appropriate security automation technique to the target system on a given cloud service model</li></ul>	<p><b>Maintenance</b> <b>18%</b></p> <ul style="list-style-type: none"><li>• Determine the appropriate methodology to apply given patches to a given cloud service model</li><li>• Apply the appropriate automation tools to update cloud elements</li><li>• Apply an appropriate backup or restore method</li><li>• Apply appropriate disaster recovery methods in a given cloud-based scenario</li><li>• Apply the appropriate steps to ensure business continuity in a given cloud-based scenario</li><li>• Apply the appropriate maintenance automation technique to the target objects</li></ul>
	<p><b>Management</b> <b>20%</b></p> <ul style="list-style-type: none"><li>• Analyze defined metrics to determine the presence of an abnormality and/or forecast future needed cloud resources</li><li>• Determine the appropriate allocation of cloud resources</li><li>• Determine when to provision/deprovision cloud resources</li><li>• Implement account-provisioning techniques in a cloud environment to meet security and policy requirements</li><li>• Analyze deployment results to confirm they meet the baseline</li><li>• Apply appropriate changes to meet expected criteria for a given environment and related data (e.g., performance, capacity, trends)</li><li>• Determine the appropriate metrics to report on given SLA requirements</li></ul>	<p><b>Troubleshooting</b> <b>22%</b></p> <ul style="list-style-type: none"><li>• Troubleshoot a deployment issue</li><li>• Troubleshoot common capacity issues</li><li>• Troubleshoot automation/orchestration issues</li><li>• Troubleshoot connectivity issues</li><li>• Troubleshoot security issues</li><li>• Explain the troubleshooting methodology</li></ul>

“Cloud+ certification will set individuals ahead of their peers and make them more valuable to employers.”

**Nathan Savolskis**

System Engineer,  
Macaulay-Brown, Inc.

**Organizations that use 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.

1. *Cloud Computing Trends: 2017 State of the Cloud Survey*, RightScale