CompTIA
CySA+

CompTIA Cybersecurity Analyst (CySA+) is a certification for cyber professionals tasked with incident detection, prevention and response through continuous security monitoring.

Set yourself apart with CompTIA CySA+

- **Proactively Monitor and Detect.** Demonstrate your skills in detecting and analyzing indicators of malicious activity using the most up-to-date methods and tools, such as threat intelligence, security information and event management (SIEM), endpoint detection and response (EDR) and extended detection and response (XDR).
- **Respond to Threats, Attacks and Vulnerabilities.** Prove your knowledge of incident response and vulnerability management processes and highlight the communication skills critical to security analysis and compliance.
- **Demonstrate Competency of Current Trends.** Valuable team members can show knowledge of current trends that affect the daily work of security analysts, such as cloud and hybrid environments.

Prove your skills with CompTIA CySA+

Validate the skills required for high-stakes cybersecurity analysis.

CySA+ is a global, vendor-neutral certification covering intermediate-level knowledge and skills required by information security analyst job roles. It helps identify a cybersecurity professional's ability to proactively defend an organization using secure monitoring, threat identification, incident response and teamwork. The CompTIA CySA+ CS0-003 certification exam ensures the candidate has the knowledge and skills required to:

- Detect and analyze indicators of malicious activity
- Understand threat hunting and threat intelligence concepts
- Use appropriate tools and methods to manage, prioritize and respond to attacks and vulnerabilities
- Perform incident response processes
- Understand reporting and communication concepts related to vulnerability management and incident response activities

Exam #
CS0-003

Release Date
June 6, 2023

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.

How does CompTIA CySA+ compare to alternatives?

	CompTIA CySA+	ECSA	GMON	CISA
Certification	**CompTIA CySA+**	**EC-Council Certified Security Analyst (ECSA)**	**GIAC Continuous Monitoring Certification (GMON)**	**Certified Information Systems Auditor (CISA)**
Performace-Based Questions	Yes	No	No	No
Vendor Neutral?	Yes	Yes	Yes	Yes
Experience Level	Intermediate	Intermediate	Intermediate	Advanced
Exam Focus	Security analytics, intrusion detection and response	Pentesting methodology	Defensible security and continuous security monitoring	Auditing and vulnerability assessment
Training Products	Full suite of online test prep tools, LOT, books	Self-paced online, LOT, courseware, mobile toolkit	In-person training and online	Online review course and answers database, courseware

Jobs that use CompTIA CySA+

- Security Analyst
- Security Operations Center (SOC) Analyst
- Incident Response Analyst
- Vulnerability Management Analyst
- Security Engineer
- Threat Hunter

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 Certification Candidate Report; 2021 Value of IT Certification Employer Report

Technical skills covered in the certification and training

Security Operations
33%

- Explain the importance of system and network architecture concepts in security operations.

- Analyze indicators of potentially malicious activity.

- Use appropriate tools or techniques to determine malicious activity.

- Compare and contrast threat-intelligence and threat-hunting concepts.

- Explain the importance of efficiency and process improvement in security operations.

Vulnerability Management
30%

- Implement vulnerability scanning methods and concepts.

- Analyze output from vulnerability assessment tools.

- Analyze data to prioritize vulnerabilities.

- Recommend controls to mitigate attacks and software vulnerabilities.

- Explain concepts related to vulnerability response, handling and management.

Incident Response Management
20%

- Explain concepts related to attack methodology frameworks.

- Perform incident response activities.

- Explain the preparation and post-incident activity phases of the incident management lifecycle.

Reporting and Communication
17%

- Explain the importance of vulnerability management reporting and communication.

- Explain the importance of incident response reporting and communication.

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.

Skillsoft IT Skills & Salary Report 2022

Organizations that have contributed to the development of CompTIA CySA+

- Amazon Web Services
- Bank of Montreal (BMO)
- Booz Allen Hamilton
- Contentful
- Deloitte
- Fidelis Risk Advisory
- Fidelity Investments
- Five9

- General Dynamics IT (GDIT)
- L3Harris
- Microsoft
- Organon
- SecureWorks
- SenseOn
- University of Maryland
- U.S. Department of Defense

- U.S. Navy
- U.S. Navy Center for Information Dominance
- Visa
- Washington State Patrol
- Zoom
- 11:11 Systems

Research and statistics

Fastest-Growing Job Category
Information security analyst is one of the fastest growing U.S. job categories, with **35% growth expected between 2021 and 2031.**[1]

Well-Paying Positions
Security analysts had a **median pay of $103,000** in 2021 in the U.S.[1]

Job Openings
On average, there are **over 30K job openings specifically looking for qualified cybersecurity analysts** in the United States every year. That number is matched by job openings looking for qualified and skilled penetration and vulnerability testers.[2]

* **Strengthen defensive skills.**
CompTIA CySA+ gives you and your team the most up-to-date skills required to confidently lead incident detection, prevention and response through continuous security monitoring.

* **Boost productivity.**
Know what skills are essential for cybersecurity analysis. Today's landscape requires teams to work together on building a solid incident response and vulnerability management process while adhering to compliance regulations.

* **Get trained and certified by CompTIA.**
First and foremost, we're an education company. CompTIA provides training and has awarded more than 3 million certifications in areas such as cybersecurity, networking, cloud computing and technical support.

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