CompTIA®

CySA+
Cybersecurity Analyst

For Government Agencies and Contractors

Strengthen your agency's ability to combat malware and threats with behavioral analytics.

CompTIA Cybersecurity Analyst (CySA+) empowers your employees to analyze, monitor, and protect critical IT infrastructure using threat-detection and threat-analysis tools.

WHAT IS CySA+?

CompTIA CySA+ is a vendor-neutral IT professional certification that validates successful candidates have the knowledge and skills required to configure and use threat-detection tools, perform data analysis, and interpret the results with the end goal of securing your organization's applications and systems.

WHY AN ANALYTICS-BASED APPROACH?

In 2016, the average total organizational cost for a data breach in the United States was $7.35 million.[1] As attackers have learned to evade traditional signature-based solutions such as firewalls, an analytics-based approach to network defense has become critically important. To mitigate the damage of a threat that hits a network, it takes a focused and skilled analytical approach to tell the difference between false positives and false negatives reported by popular network monitoring tools.

WHY CySA+?

Skyrocketing volumes of increasingly sophisticated attacks mean that protecting networks today requires well-trained IT staff that know how to read the data, put it in context, and use it to help build an effective security strategy.

With its in-depth scenario- and performance-based questions, the CySA+ exam tests to make sure that your IT staff can think critically about the data that is in front of them.

WHO IS CySA+ FOR?

CySA+ is for government IT workers and contractors that want to apply behavioral analytics to negate network threats, and secure and protect applications and systems.

CySA+ is accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M for the five job roles listed to the right.

DoD APPROVED 8140/8570 BASELINE CERTIFICATIONS

IAT Level II
CompTIA Security+
CompTIA CySA+
CCNA - Security
GICSP
GSEC
SSCP

CSSP Analyst
CompTIA CySA+
CEH
CFR
GCIA
GCIH
GICSP
SCYBER

CSSP Infrastructure Support
CompTIA CySA+
CEH
GICSP
SSCP

CSSP Incident Responder
CompTIA CySA+
CEH
CFR
GCFA
GCIH
SCYBER

CSSP Auditor
CompTIA CySA+
CEH
CISA
GSNA

CySA+ Domains and Percentage of Exam Content:

1.0: Threat Management	2.0: Vulnerability Management	3.0: Cyber Incident Response	4.0: Security Architecture and Tool Sets
27%	26%	23%	24%

CompTIA CySA+® Certification for Government Agencies and Contractors

Organizations that contributed to the development of CySA+:

- US Department of Veterans Affairs
- US Navy
- Target
- Ricoh USA
- Northrop Grumman
- Washington State Patrol
- Linux Professional Institute
- Boulder Community Health
- Western Governors University
- BlacKnight Cyber Security International

Job Roles Include:

- IT Security Analyst
- Security Operations Center (SOC) Analyst
- Vulnerability Analyst
- Cybersecurity Specialist
- Threat Intelligence Analyst
- Security Engineer

Verified Security Analyst Skills

CySA+ is a vendor-neutral certification for IT professionals looking to gain IT security analyst skills, and for those following CompTIA's recommended skills pathway to achieve cybersecurity mastery. Along with CompTIA PenTest+ (coming in 3Q 2018), CySA+ provides a bridge from CompTIA Security+ to CompTIA Advanced Security Practitioner (CASP).

As part of the CompTIA Continuing Education program, CySA+ certification is valid for three years from exam pass date and can be renewed through pre-approved renewal options. CySA+ includes multiple-choice and performance-based questions that require each individual to perform in a simulated environment. While there is no prerequisite, CySA+ is intended to follow CompTIA Security+ or equivalent experience and has a technical, hands-on focus.

CySA+ certified candidates have the knowledge and skills to

- **Configure** and use open-source detection tools,
- **Perform** data analysis, and
- **Interpret** results to identify vulnerabilities, threats, and risks to an organization with the end goal of securing and protecting applications and systems within an organization.

CASP

PenTest+

CySA+

Security+

A career in information security analysis ranked **7**th on U.S. News and World Report's list of the 100 best technology jobs for 2017.

STEPS TO GETTING CySA+ CERTIFIED:

1. Choose a training option.

Prepare with instructor-led training, books, e-learning, practice labs, boot camps, practice labs, and more. **Certification. CompTIA.org/training**

2. Get familiar with the exam.
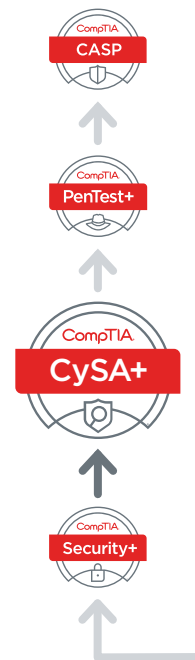
Download the exam objectives. **Certification.CompTIA.org/ certifications/cybersecurity-analyst**

3. Test.

Locate the Pearson VUE testing center nearest you to register for and take the CySA+ exam. **Certification. CompTIA.org/testing**

It is recommended that CompTIA CySA+ candidates have Network+, Security+, or equivalent knowledge and a minimum of 3-4 years of hands-on information security or related experience.

Learn more about CySA+ at **Certification.CompTIA.org/certifications/cybersecurity-analyst**

CompTIA is the world's largest provider of vendor-neutral certifications. CompTIA certifications are developed with the support of leading technology companies and organizations and validated by industry experts around the world.

*Source: Ponemon Institute, Cost of Data Breach, 2017