



HEROTEC
NETWORK PROFESSIONAL TRAINING

CompTIA CYSA + CS0-002 Course Outline

Target Audience & Job Roles:

- Security Analyst
- Tier II SOC analyst
- Security monitoring
- Threat intelligence analyst
- Security engineer
- Application security analyst
- Incident response or handler
- Compliance analyst
- Threat hunter

Course Objectives

- CASA+ is designed for cybersecurity analysts who apply behavioral analytics to networks to improve the overall state of security through identifying and combating malware and advanced persistent threats. These materials focus on teaching an IT professional the ability to proactively defend and continuously improve the security of an organization through leveraging intelligence and threat detection techniques, analyzing and interpreting data, identifying and addressing vulnerabilities, and effectively responding to and recovering from incidents.
- This course is for IT candidates preparing to take the CompTIA CASA + certification exam CS0-002.

Technical Areas Covered:

- Threat and Vulnerability Management
- Software and Systems Security
- Security Operations and Monitoring
- Incident Response
- Compliance and Assessment

Skills & Knowledge

- Leverage intelligence and threat detection techniques
- Analyze and interpret data
- Identify and address vulnerabilities
- Suggest preventative measures
- Effectively respond to and recover from incidents

CYSA + Course Benefits:

- CompTIA CySA+ is an intermediate level ‘blue team’ cybersecurity certification. The exam validates candidates have the knowledge and skills to leverage intelligence and threat detection technique, analyze and interpret data, identify and address vulnerabilities, suggest preventative measures, and effectively respond to and recover from incidents.
- CySA+ focuses on the candidate’s ability to not only proactively capture, monitor, and respond to network traffic findings, but also emphasizes software and application security, automation, threat hunting, and IT regulatory compliance, which affects the daily work of security analysts.
- CySA+ covers the most up-to-date core security analyst skills and upcoming job skills used by threat intelligence analysts, application security analysts, compliance analysts, incident responders/handlers, and threat hunters, bringing new techniques for combating threats inside and outside of the Security Operations Center (SOC).
- 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.

Herotec Training Key Features

- Certified Trainers
- Official Courseware
- Course Knowledge setup to ensure “Learn by Doing”
- Downloadable files, links and checklists & more resources
- Affordable prices
- Flexibility

About the exam:

- Required exam: CS0-002
- Number of questions: Minimum of 85
- Types of questions: Multiple-choice
- Exam duration: 165 minutes
- Recommended experience: [Network+](#), [Security +](#) or equivalent knowledge
- Passing score: 750

Course Outlines:

Lesson 1: Explaining the Importance of Security Controls and Security Intelligence:

Lesson 2: Utilizing Threat Data and Intelligence:

Lesson 3: Analyzing Security Monitoring Data:

Lesson 4: Collecting and Querying Security Monitoring Data:

Lesson 5: Utilizing Digital Forensics and Indicator Analysis Techniques:

Lesson 6: Applying Incident Response Procedures:

Lesson 7: Applying Risk Mitigation and Security Frameworks:

Lesson 8: Performing Vulnerability Management:

Lesson 9: Applying Security Solutions for Infrastructure Management:

Lesson 10: Understanding Data Privacy and Protection:

Lesson 11: Applying Security Solutions for Software Assurance

Lesson 12: Applying Security Solutions for Cloud and Automation:

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