



CompTIA Cybersecurity Analyst (CompTIA CySA+)

Exam Code : CS0-002

Course Objective :

CompTIA Cybersecurity Analyst (CySA+) is an IT workforce certification that applies behavioral analytics to networks and devices to prevent, detect and combat cybersecurity threats through continuous security monitoring.

CySA+ focuses on the candidates 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).

The CompTIA CySA+ will verify the successful candidate has the knowledge and skills required to:

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

Prerequisite :

Network+, Security+ or equivalent knowledge.

Certificate Of Attendance :

E-Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

Who should attend :

IT Security Staff, Security Administrator, Security Specialist, Security Analyst, Cybersecurity Engineer, Cybersecurity Architect, Incident response or handler, Threat hunter, Compliance analyst or any IT / Networking Staff.

Training Duration :

Full-time: 5 weekdays
Time : 9.30am – 5.30pm

Course Fee :

Course Fee : S\$2899
Regn Fee : S\$50
All fees subject to prevailing GST. Course fee excludes CompTIA Exam.

Training Methodology & Materials:

- Practical hands-on sessions to enhance security concept.
- Well-designed lab sessions to enhance further understanding of the courseware.

DETAILED COURSE OUTLINE

The table below lists the domain areas measured by this examination and the approximate extent to which they are represented in the examination:

| Domain | % of Examination |
|---|------------------|
| 1.0 Threat and Vulnerability Management | 22% |
| 2.0 Software and Systems Security | 18% |
| 3.0 Security Operations and Monitoring | 25% |
| 4.0 Incident Response | 22% |
| 5.0 Compliance and Assessment | 13% |
| Total | 100% |

Course Outline

1.0 Threat and Vulnerability Management

- 1.1 Explain the importance of threat data and intelligence.
- 1.2 Utilize threat intelligence to support organizational security.
- 1.3 Perform vulnerability management activities.
- 1.4 Analyze the output from common vulnerability assessment tools.
- 1.5 Explain the threats and vulnerabilities associated with specialized technology
- 1.6 Explain the threats and vulnerabilities associated with operating in the cloud
- 1.7 Implement controls to mitigate attacks and software vulnerabilities

2.0 Software and Systems Security

- 2.1 Apply security solutions for infrastructure management.
- 2.2 Explain software assurance best practices.
- 2.3 Explain hardware assurance best practices.

3.0 Security Operations and Monitoring

- 3.1 Analyze data as part of security monitoring activities.
- 3.2 Implement configuration changes to existing controls to improve security.
- 3.3 Explain the importance of proactive threat hunting.
- 3.4 Compare and contrast automation concepts and technologies.

4.0 Incident Response

- 4.1 Explain the importance of the incident response process.
- 4.2 Apply the appropriate incident response procedure.
- 4.3 Analyze potential indicators of compromise.
- 4.4 Utilize basic digital forensics techniques.

5.0 Compliance and Assessment

- 5.1 Understand the importance of data privacy and protection.
- 5.2 Apply security concepts in support of organizational risk mitigation.
- 5.3 Explain the importance of frameworks, policies, procedures and controls.

CompTIA CySA+



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