

# Free PDF CS0-003 - CompTIA Cybersecurity Analyst (CySA+) Certification Exam–Efficient Exam Discount



## CompTIA Cybersecurity Analyst (CySA+) Certification Exam Objectives

EXAM NUMBER: CS0-003



CompTIA

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## CompTIA Cybersecurity Analyst (CySA+) Certification Exam Sample Questions (Q455-Q460):

### NEW QUESTION # 455

#### SIMULATION

Approximately 100 employees at your company have received a phishing email. As a security analyst, you have been tasked with handling this situation.

#### INSTRUCTIONS

Review the information provided and determine the following:

1. How many employees clicked on the link in the phishing email?
2. On how many workstations was the malware installed?
3. What is the executable file name of the malware?

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



#### Answer:

Explanation:



### NEW QUESTION # 456

A SOC analyst recommends adding a layer of defense for all endpoints that will better protect against external threats regardless of the device's operating system. Which of the following best meets this requirement?

- A. SOAR
- B. EDR
- C. CASB
- D. SIEM

#### Answer: B

Explanation:

EDR stands for Endpoint Detection and Response, which is a layer of defense that monitors endpoints for malicious activity and provides automated or manual response capabilities. EDR can protect against external threats regardless of the device's operating system, as it can detect and respond to attacks based on behavioral analysis and threat intelligence. EDR is also one of the tools that CompTIA CySA+ covers in its exam objectives

### NEW QUESTION # 457

You are a cybersecurity analyst tasked with interpreting scan data from Company As servers. You must verify the requirements are being met for all of the servers and recommend changes if you find they are not. The company's hardening guidelines indicate the following

- \* TLS 1.2 is the only version of TLS running.
- \* Apache 2.4.18 or greater should be used.
- \* Only default ports should be used.

#### INSTRUCTIONS

using the supplied data. record the status of compliance With the company's guidelines for each server.

The question contains two parts: make sure you complete Part 1 and Part 2. Make recommendations for Issues based ONLY on the hardening guidelines provided.

Part 1:

AppServ1:



AppServ2:



AppServ3:



AppServ4:



Part 2:



#### Answer:

Explanation:

check the explanation part below for the solution:

Explanation:

Part 1:

Part 2:

Based on the compliance report, I recommend the following changes for each server:

AppServ1: No changes are needed for this server.

AppServ2: Disable or upgrade TLS 1.0 and TLS 1.1 to TLS 1.2 on this server to ensure secure encryption and communication between clients and the server. Update Apache from version 2.4.17 to version 2.4.18 or greater on this server to fix any potential vulnerabilities or bugs.

AppServ3: Downgrade Apache from version 2.4.19 to version 2.4.18 or lower on this server to ensure compatibility and stability with the company's applications and policies. Change the port number from 8080 to either port 80 (for HTTP) or port 443 (for HTTPS) on this server to follow the default port convention and avoid any confusion or conflicts with other services.

AppServ4: Update Apache from version 2.4.16 to version 2.4.18 or greater on this server to fix any potential vulnerabilities or bugs. Change the port number from 8443 to either port 80 (for HTTP) or port 443 (for HTTPS) on this server to follow the default port convention and avoid any confusion or conflicts with other services.

#### NEW QUESTION # 458

Thousands of computers were compromised in the compromise was detected on only three computers during the latest vulnerability scan. An analyst conducts an after action review to determine why the vulnerability was not detected on more computers. The analyst recreates the following configuration that was used to scan the network:

Which of the following best explains the reason the vulnerability was found only on three computers?

- A. Use of a credentialed vulnerability scan
- B. Incorrect remote port specified
- **C. Lack of concurrent threads dedicated**
- D. Configuring an incorrect subnet mask

#### Answer: C

Explanation:

The configuration indicates that only 1 thread is used during the scan. This means the scan is conducted sequentially, which greatly limits its efficiency in scanning a larger network. If thousands of computers need to be scanned, using only one thread results in a very slow process, and many devices may not be scanned within the allocated time. Increasing the number of concurrent threads allows for parallel scanning, which is essential for effectively covering large networks in a timely manner.

#### NEW QUESTION # 459

A security analyst identifies a device on which different malware was detected multiple times, even after the systems were scanned and cleaned several times. Which of the following actions would be most effective to ensure the device does not have residual malware?

- **A. Replace the hard drive and reimage the device.**
- B. Upgrade the device to the latest OS version.
- C. Download a secondary scanner and rescan the device.
- D. Update the device and scan offline in safe mode.

#### Answer: A

Explanation:

Reimaging the device is the most effective way to eliminate persistent malware because some sophisticated malware, such as rootkits and firmware-level threats, can survive traditional scans and removals.

If a system keeps getting reinfected after cleaning, it may indicate a deeply embedded persistent threat, possibly in:  
The Master Boot Record (MBR) or EFI firmware.

A compromised system restore point.

A hidden backdoor left by the malware.

Why Not Other Options?

A (Update and scan in safe mode) → Might help, but if malware is persistent, it will likely return.

C (Upgrade OS) → Does not necessarily remove malware; some malware survives OS upgrades.

D (Secondary scanner) → Useful for detection but does not guarantee complete removal.

## Best Practice:

Replace the hard drive to eliminate firmware-level infections.

Reimage the system from a known-good source.

Update the OS and security patches before reconnecting to the network.

## NEW QUESTION # 460

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