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CompTIA CS0-003 - CompTIA CySA+ (CS0-003) Exam - Full Access

Question 201 (Exam #)

Which of the following best describes the threat vector to which an organization needs to ensure that all network users only open attachments from known sources?

- A. Malicious threat
- B. Advanced persistent threat
- C. Unintentional insider threat
- D. State-state threat

Answer: C

Question 202 (Exam #)

A security analyst has received an incident case regarding malware spreading out of control on a customer's network. The analyst is unsure how to respond. The malware (EM) has automatically obtained a sample of the malware and its signature. Which of the following should the analyst perform next to determine the type of malware based on its behavior?

- A. Create evidence the signature with open-source threat intelligence.
- B. Craft the EM to perform a full scan.
- C. Transfer the malware to a sandbox environment.
- D. Log in to the affected systems and run network.

Answer: A

Question 203 (Exam #)

A network analyst notices a long spike in traffic on port 1433 between two IP addresses on opposite sides of a WAN connection. Which of the following is the most likely cause?

- A. A local web browser is connecting the local SQL Server segment to external hosts.
- B. A threat actor has a foothold on the network and is working out control issues.
- C. An administrator executed a new database replication process without updating the SOC.
- D. An insider threat actor is running Scpserver on the local segment, creating traffic replication.

Answer: C

Question 204 (Exam #)

Which of the following is a useful tool for mapping, tracking, and mitigating identified threats and vulnerabilities with the likelihood and impact of occurrence?

- A. Risk register
- B. Vulnerability assessment
- C. Penetration test
- D. Compliance report

Answer: A

Question 205 (Exam #)

Which of the following is often used to keep the number of alerts to a manageable level when establishing a process to track and analyze incidents?

- A. Log retention
- B. Log rotation
- C. Maximum log size
- D. Threshold value

Answer: D

Question 206 (Exam #)

While reviewing web server logs, a security analyst discovers the following suspicious log:

```
php - "header('X-Backend: ' . $_SERVER['HTTP_X_BACKEND']);"
```

Which of the following is being attempted?

- A. Spoof the location
- B. Denial of service
- C. Server-side request forgery

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market is constantly increasing.

CompTIA Cybersecurity Analyst (CySA+) Certification Exam Sample Questions (Q33-Q38):

NEW QUESTION # 33

An analyst wants to ensure that users only leverage web-based software that has been pre-approved by the organization. Which of the following should be deployed?

- A. Blocklisting
- B. Webhooks
- C. Graylisting
- D. Allowlisting

Answer: D

Explanation:

The correct answer is B. Allowlisting.

Allowlisting is a technique that allows only pre-approved web-based software to run on a system or network, while blocking all other software. Allowlisting can help prevent unauthorized or malicious software from compromising the security of an organization. Allowlisting can be implemented using various methods, such as application control, browser extensions, firewall rules, or proxy servers¹².

The other options are not the best techniques to ensure that users only leverage web-based software that has been pre-approved by the organization. Blocklisting (A) is a technique that blocks specific web-based software from running on a system or network, while allowing all other software. Blocklisting can be ineffective or inefficient, as it requires constant updates and may not catch all malicious software. Graylisting is a technique that temporarily rejects or delays incoming messages from unknown or suspicious sources, until they are verified as legitimate. Graylisting is mainly used for email filtering, not for web-based software control. Webhooks (D) are a technique that allows web-based software to send or receive data from other web-based software in real time, based on certain events or triggers. Webhooks are not related to web-based software control, but rather to web-based software integration.

NEW QUESTION # 34

A SOC manager who recently switched companies notices that their new company's SOC analysts have significantly poorer operational metrics compared to their previous company, without any major difference in alert volume or team size. Which of the following are most likely to be the cause? (Choose two.)

- A. Integration of webhooks
- B. Lack of SOAR implementation
- C. Use of OSSTMM
- D. Usage of API gateways
- E. Morale issues among SOC staff
- F. Absence of single pane of glass

Answer: B,E

Explanation:

Without a SOAR platform, analysts must perform many tasks manually, slowing response times and reducing operational efficiency. Low staff morale also directly impacts analyst performance, leading to slower investigations, reduced accuracy, and overall poorer SOC metrics.

NEW QUESTION # 35

SIMULATION

A systems administrator is reviewing the output of a vulnerability scan.

INSTRUCTIONS

Review the information in each tab.

Based on the organization's environment architecture and remediation standards, select the server to be patched within 14 days and select the appropriate technique and mitigation.

⌵

Answer:

Explanation:

□ Explanation:

To determine the server to be patched within 14 calendar days and the appropriate technique and mitigation, the decision will be based on the CVSS risk level, the environment, and the organization's remediation standards.

Analysis:

1. CVSS Standards for Remediation Timeframes

* CVSS > 9.0: Must be remediated within 7 calendar days.

* CVSS > 7.9 and ≤ 9.0: Must be remediated within 14 calendar days.

2. Vulnerabilities and CVSS Scores (From Output Tab)

* 192.168.76.5: CVSS 9.2 (Unsupported software version). Must be remediated within 7 days (not applicable here for the 14-day timeline).

* 192.168.76.6: CVSS 7.4 (Session sidejacking). Falls under the 30-day timeframe, not within 14 days.

* 192.168.50.5: CVSS 8.1 (Untrusted SSL certificate). This requires remediation within 14 days.

* 192.168.50.6: CVSS 7.4 (Session sidejacking). Falls under the 30-day timeframe.

* 192.168.60.5: CVSS 8.1 (Untrusted SSL certificate). This requires remediation within 14 days.

* 192.168.60.6: CVSS 7.4 (Session sidejacking). Falls under the 30-day timeframe.

3. Environment (From Environment Tab)

* 192.168.50.5: UAT environment, external. Publicly accessible and requires attention.

* 192.168.60.5: Production environment, external. Publicly accessible and high priority for patching.

Recommended:

Server to be patched within 14 days: 192.168.60.5 (Production environment has a higher priority than UAT).

Technique and Mitigation: Patch and upload a signed certificate from a trusted third-party provider.

NEW QUESTION # 36

During the log analysis phase, the following suspicious command is detected-

□ Which of the following is being attempted?

- A. RCE
- B. Smurf attack
- C. Buffer overflow
- D. ICMP tunneling

Answer: A

Explanation:

Explanation

RCE stands for remote code execution, which is a type of attack that allows an attacker to execute arbitrary commands on a target system. The suspicious command in the question is an example of RCE, as it tries to download and execute a malicious file from a remote server using the wget and chmod commands. A buffer overflow is a type of vulnerability that occurs when a program writes more data to a memory buffer than it can hold, potentially overwriting other memory locations and corrupting the program's execution. ICMP tunneling is a technique that uses ICMP packets to encapsulate and transmit data that would normally be blocked by firewalls or filters. A smurf attack is a type of DDoS attack that floods a network with ICMP echo requests, causing all devices on the network to reply and generate a large amount of traffic. Verified References: What Is Buffer Overflow? Attacks, Types & Vulnerabilities - Fortinet1, What Is a Smurf Attack? Smurf DDoS Attack | Fortinet2, exploit - Interpreting CVE ratings: Buffer Overflow vs. Denial of...3

NEW QUESTION # 37

A corporation wants to implement an agent-based endpoint solution to help:

- Flag various threats
- Review vulnerability feeds
- Aggregate data
- Provide real-time metrics by using scripting languages

Which of the following tools should the corporation implement to reach this goal?

- A. DLP
- B. Heuristics

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