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1. Which of the following will most likely ensure that mission-critical services are available in the event

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CompTIA CS0-003 Certification Exam is an intermediate-level certification that is ideal for cybersecurity analysts who want to advance their careers. CompTIA Cybersecurity Analyst (CySA+) Certification Exam certification exam is designed to equip cybersecurity analysts with the necessary skills to perform threat analysis, vulnerability management, and incident response. CompTIA Cybersecurity Analyst (CySA+) Certification Exam certification exam covers various topics such as network security, threat management, security operations, and incident response.

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CompTIA Cybersecurity Analyst (CySA+) Certification Exam Sample Questions (Q565-Q570):

NEW QUESTION # 565

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.

Vulnerability remediation timeframes

Environment

Output

Show Question

Reset All Answers

CVSS risk level	Standard	Applies to		
		PROD	UAT	DEV
CVSS > 9.0	Must be patched or remediated and verified by a subsequent vulnerability scan within 7 calendar days	✓	✓	✗
CVSS > 7.9 < 9.0	Must be patched or remediated and verified by a subsequent vulnerability scan within 14 calendar days	✓	✗	✗
CVSS > 5.0 < 7.9	Must be patched or remediated and verified by a subsequent vulnerability scan within 30 calendar days	✓	✗	✗
CVSS > 0 < 5.0	Must be patched or remediated and verified by a subsequent vulnerability scan within 60 calendar days	✓	✗	✗

Any of these timeframes may be accelerated at the discretion of the Chief Information Security Officer (CISO).

- If patching cannot be completed or a vendor has not made a patch available within the timeframe in the table outlined above, compensating controls must be put in place within the timeframes listed above and the exception process must be

Select the server to be patched within 14 calendar days:

☐ 192.168.50.6 ☐ 192.168.76.6
☐ 192.168.50.5 ☐ 192.168.60.5
☐ 192.168.76.5 ☐ 192.168.60.6

Select the appropriate technique and mitigation:

Select

Vulnerability remediation timeframes

Environment

Output

Show Question

Reset All Answers

Title:

Microsoft IIS: Unsupported software version detected

Description:

The software version detected is no longer supported.

Affected asset:

192.168.76.5

Risk:

Unpatched software

Reference:

CVE-2022-0155, CVSS 9.2

Title:

Sensitive cookie in HTTPS session without "secure" attribute

Description:

The secure attribute for sensitive cookies in HTTPS sessions is not set, which could cause the user agent to send those cookies in plaintext over HTTP session.

Affected asset:

192.168.76.6

Risk:

Session sidejacking

Reference:

CVE-2021-0462, CVSS 7.4

Title:

Untrusted SSL/TLS Server X.509 certificate

Description:

The server's TLS/SSL certificate is signed by a certificate authority that is untrusted or unknown.

Answer:

Explanation:

see the explanation for step by step solution.

Explanation:

Step 1: Reviewing the Vulnerability Remediation Timeframes

The remediation standards require servers to be patched based on their CVSS score:

- * CVSS > 9.0: Patch within 7 days
- * CVSS 7.9 - 9.0: Patch within 14 days
- * CVSS 5.0 - 7.9: Patch within 30 days
- * CVSS 0 - 5.0: Patch within 60 days

Step 2: Analyzing the Output Tab

From the Output tab:

- * Server 192.168.76.5 has a CVSS score of 9.2 for an unsupported Microsoft IIS version, indicating a critical vulnerability requiring a patch within 7 days.
- * Server 192.168.76.6 has a CVSS score of 7.4 for a missing secure attribute on HTTPS cookies, which falls in the 5.0 - 7.9 range, requiring a patch within 30 days.

Since the question asks for the server to be patched within 14 days, we need to focus on servers with CVSS 7.9 - 9.0:

- * None of the servers have a CVSS score that falls precisely in the 7.9 - 9.0 range.
- * However, 192.168.76.5, with a CVSS score of 9.2, has a vulnerability that necessitates a quick response and fits as it must be patched within the shortest timeframe (7 days, which includes 14 days).

The server that fits within a 14-day urgency, based on standard practices, would be 192.168.76.5.

Step 3: Reviewing the Environment Tab

The Environment Tab provides additional context for 192.168.76.5:

- * It's in the dev environment, which is internal and not publicly accessible.
- * MFA is required, indicating security measures are already present.

Step 4: Selecting the Appropriate Technique and Mitigation

For 192.168.76.5, with the Microsoft IIS unsupported version:

- * Patch; upgrade IIS to the current release is the most suitable option, as upgrading IIS will resolve the unsupported software vulnerability by bringing it up-to-date with supported versions.
- * This technique addresses the root cause, which is the unpatched, outdated software.

Summary

- * Server to be patched within 14 calendar days: 192.168.76.5
- * Appropriate technique and mitigation: Patch; upgrade IIS to the current release This approach ensures that the most critical vulnerabilities are addressed promptly, maintaining security compliance.

NEW QUESTION # 566

An employee is no longer able to log in to an account after updating a browser. The employee usually has several tabs open in the browser. Which of the following attacks was most likely performed?

- A. XSS
- **B. CSRF**
- C. LFI
- D. RFI

Answer: B

NEW QUESTION # 567

The Chief Information Security Officer wants to eliminate and reduce shadow IT in the enterprise.

Several high-risk cloud applications are used that increase the risk to the organization. Which of the following solutions will assist in reducing the risk?

- A. Enable SSO to the cloud applications
- B. Configure MFA with strict access
- C. Deploy an API gateway
- **D. Deploy a CASB and enable policy enforcement**

Answer: D

Explanation:

A cloud access security broker (CASB) is a security solution that helps organizations manage and secure their cloud applications. CASBs can be used to enforce security policies, monitor cloud usage, and detect and block malicious activity. In this case, the Chief Information Security Officer (CISO) wants to reduce the risk of shadow IT by enforcing security policies on the high-risk cloud applications. A CASB can be used to do this by providing visibility into cloud usage, identifying unauthorized applications, and enforcing security policies.

NEW QUESTION # 568

An incident response team finished responding to a significant security incident. The management team has asked the lead analyst to provide an after-action report that includes lessons learned. Which of the following is the most likely reason to include lessons learned?

- A. To hold other departments accountable
- B. To highlight the notable practices of the organization's incident response team
- C. To identify areas of improvement in the incident response process
- D. To satisfy regulatory requirements for incident reporting

Answer: C

Explanation:

The most likely reason to include lessons learned in an after-action report is to identify areas of improvement in the incident response process. The lessons learned process is a way of reviewing and evaluating the incident response activities and outcomes, as well as identifying and documenting any strengths, weaknesses, gaps, or best practices. Identifying areas of improvement in the incident response process can help enhance the security posture, readiness, or capability of the organization for future incidents, as well as provide feedback or recommendations on how to address any issues or challenges.

NEW QUESTION # 569

During the log analysis phase, the following suspicious command is detected-
□ Which of the following is being attempted?

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

Answer: D

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 Reference: 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 # 570

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