



CompTIA

Exam Questions CS0-002

CompTIA Cybersecurity Analyst (CySA+) Certification Exam

NEW QUESTION 1

A cybersecurity analyst is supposing an incident response effort via threat intelligence. Which of the following is the analyst MOST likely executing?

- A. Requirements analysis and collection planning
- B. Containment and eradication
- C. Recovery and post-incident review
- D. Indicator enrichment and research pivoting

Answer: D

NEW QUESTION 2

After receiving reports latency, a security analyst performs an Nmap scan and observes the following output:

Port	State	Service	Version
80/tcp	open	http	Apache httpd 2.2.14
111/udp	open	rpcbind	
443/tcp	filtered	https	Apache httpd 2.2.14
2222/tcp	open	ssh	OpenSSH 5.3p1 Debian
3306/tcp	open	mysql	5.5.40-0ubuntu0.14.1

Which of the following suggests the system that produced output was compromised?

- A. Secure shell is operating of compromise on this system.
- B. There are no indicators of compromise on this system.
- C. MySQL services is identified on a standard PostgreSQL port.
- D. Standard HTP is open on the system and should be closed.

Answer: B

NEW QUESTION 3

Which of the following should be found within an organization's acceptable use policy?

- A. Passwords must be eight characters in length and contain at least one special character.
- B. Customer data must be handled properly, stored on company servers, and encrypted when possible
- C. Administrator accounts must be audited monthly, and inactive accounts should be removed.
- D. Consequences of violating the policy could include discipline up to and including termination.

Answer: D

NEW QUESTION 4

An organization is moving its infrastructure to the cloud in an effort to meet the budget and reduce staffing requirements. The organization has three environments: development, testing, and production. These environments have interdependencies but must remain relatively segmented.

Which of the following methods would BEST secure the company's infrastructure and be the simplest to manage and maintain?

- A. Create three separate cloud accounts for each environmen
- B. Configure account peering and security rules to allow access to and from each environment.
- C. Create one cloud account with one VPC for all environment
- D. Purchase a virtual firewall and create granular security rules.
- E. Create one cloud account and three separate VPCs for each environmen
- F. Create security rules to allow access to and from each environment.
- G. Create three separate cloud accounts for each environment and a single core account for network service
- H. Route all traffic through the core account.

Answer: C

NEW QUESTION 5

A security analyst has a sample of malicious software and needs to know what the sample does? The analyst runs the sample in a carefully controlled and monitored virtual machine to observe the software behavior. Which of the following malware analysis approaches is this?

- A. White box testing
- B. Fuzzing
- C. Sandboxing
- D. Static code analysis

Answer: C

NEW QUESTION 6

A system administrator is doing network reconnaissance of a company's external network to determine the vulnerability of various services that are running. Sending some sample traffic to the external host, the administrator obtains the following packet capture:

```
18 17.646496 67.53.200.1 67.53.200.12 TCP 58 47669 -> 22 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
19 17.646944 67.53.200.1 67.53.200.12 TCP 58 47669 -> 445 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
20 17.648631 67.53.200.12 67.53.200.1 TCP 58 22 -> 47669 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460
21 17.648646 67.53.200.1 67.53.200.12 TCP 58 47669 -> 80 [SYN] Seq=0 Win=1024 Len=0 MSS=1460
22 17.648887 67.53.200.12 67.53.200.1 TCP 54 445 -> 47669 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
23 17.649763 67.53.200.12 67.53.200.1 TCP 54 80 -> 47669 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
```

Based on the output, which of the following services should be further tested for vulnerabilities?

- A. SSH
- B. HTTP
- C. SMB
- D. HTTPS

Answer: C

NEW QUESTION 7

A development team uses open-source software and follows an Agile methodology with two-week sprints. Last month, the security team filed a bug for an insecure version of a common library. The DevOps team updated the library on the server, and then the security team rescanned the server to verify it was no longer vulnerable. This month, the security team found the same vulnerability on the server.

Which of the following should be done to correct the cause of the vulnerability?

- A. Deploy a WAF in front of the application.
- B. Implement a software repository management tool.
- C. Install a HIPS on the server.
- D. Instruct the developers to use input validation in the code.

Answer: B

NEW QUESTION 8

A compliance officer of a large organization has reviewed the firm's vendor management program but has discovered there are no controls defined to evaluate third-party risk or hardware source authenticity. The compliance officer wants to gain some level of assurance on a recurring basis regarding the implementation of controls by third parties.

Which of the following would BEST satisfy the objectives defined by the compliance officer? (Choose two.)

- A. Executing vendor compliance assessments against the organization's security controls
- B. Executing NDAs prior to sharing critical data with third parties
- C. Soliciting third-party audit reports on an annual basis
- D. Maintaining and reviewing the organizational risk assessment on a quarterly basis
- E. Completing a business impact assessment for all critical service providers
- F. Utilizing DLP capabilities at both the endpoint and perimeter levels

Answer: AC

NEW QUESTION 9

A hybrid control is one that:

- A. is implemented differently on individual systems
- B. is implemented at the enterprise and system levels
- C. has operational and technical components
- D. authenticates using passwords and hardware tokens

Answer: B

NEW QUESTION 10

A monthly job to install approved vendor software updates and hot fixes recently stopped working. The security team performed a vulnerability scan, which identified several hosts as having some critical OS vulnerabilities, as referenced in the common vulnerabilities and exposures (CVE) database.

Which of the following should the security team do NEXT to resolve the critical findings in the most effective manner? (Choose two.)

- A. Patch the required hosts with the correct updates and hot fixes, and rescan them for vulnerabilities.
- B. Remove the servers reported to have high and medium vulnerabilities.
- C. Tag the computers with critical findings as a business risk acceptance.
- D. Manually patch the computers on the network, as recommended on the CVE website.
- E. Harden the hosts on the network, as recommended by the NIST framework.
- F. Resolve the monthly job issues and test them before applying them to the production network.

Answer: CE

NEW QUESTION 10

A security analyst at a technology solutions firm has uncovered the same vulnerabilities on a vulnerability scan for a long period of time. The vulnerabilities are on systems that are dedicated to the firm's largest client. Which of the following is MOST likely inhibiting the remediation efforts?

- A. The parties have an MOU between them that could prevent shutting down the systems
- B. There is a potential disruption of the vendor-client relationship
- C. Patches for the vulnerabilities have not been fully tested by the software vendor
- D. There is an SLA with the client that allows very little downtime

Answer: D

NEW QUESTION 13

As a proactive threat-hunting technique, hunters must develop situational cases based on likely attack scenarios derived from the available threat intelligence information. After forming the basis of the scenario, which of the following may the threat hunter construct to establish a framework for threat assessment?

- A. Critical asset list
- B. Threat vector
- C. Attack profile
- D. Hypothesis

Answer: A

NEW QUESTION 18

Which of the following sets of attributes BEST illustrates the characteristics of an insider threat from a security perspective?

- A. Unauthorized, unintentional, benign
- B. Unauthorized, intentional, malicious
- C. Authorized, intentional, malicious
- D. Authorized, unintentional, benign

Answer: C

NEW QUESTION 22

A company's marketing emails are either being found in a spam folder or not being delivered at all. The security analyst investigates the issue and discovers the emails in question are being sent on behalf of the company by a third party in1marketingpartners.com Below is the exiting SPP word:

```
v=spf1 a mx -all
```

Which of the following updates to the SPF record will work BEST to prevent the emails from being marked as spam or blocked?

A)

```
v=spf1 a mx redirect:mail.marketingpartners.com ?all
```

B)

```
v=spf1 a mx include:mail.marketingpartners.com -all
```

C)

```
v=spf1 a mx +all
```

D)

```
v=spf1 a mx include:mail.marketingpartners.com ~all
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

NEW QUESTION 23

Which of the following is the use of tools to simulate the ability for an attacker to gain access to a specified network?

- A. Reverse engineering
- B. Fuzzing
- C. Penetration testing
- D. Network mapping

Answer: C

NEW QUESTION 27

Which of the following are components of the intelligence cycle? (Select TWO.)

- A. Collection
- B. Normalization
- C. Response
- D. Analysis
- E. Correction
- F. Dissension

Answer: BE

NEW QUESTION 29

A cybersecurity analyst has access to several threat feeds and wants to organize them while simultaneously comparing intelligence against network traffic.

Which of the following would BEST accomplish this goal?

- A. Continuous integration and deployment
- B. Automation and orchestration
- C. Static and dynamic analysis
- D. Information sharing and analysis

Answer: B

NEW QUESTION 31

An organization needs to limit its exposure to accidental disclosure when employees send emails that contain personal information to recipients outside the company Which of the following technical controls would BEST accomplish this goal?

- A. DLP
- B. Encryption
- C. Data masking
- D. SPF

Answer: A

NEW QUESTION 32

A development team is testing a new application release. The team needs to import existing client PHI data records from the production environment to the test environment to test accuracy and functionality.

Which of the following would BEST protect the sensitivity of this data while still allowing the team to perform the testing?

- A. Deidentification
- B. Encoding
- C. Encryption
- D. Watermarking

Answer: A

NEW QUESTION 36

An executive assistant wants to onboard a new cloud based product to help with business analytics and dashboarding. When of the following would be the BEST integration option for the service?

- A. Manually log in to the service and upload data files on a regular basis.
- B. Have the internal development team script connectivity and file translate to the new service.
- C. Create a dedicated SFTP sue and schedule transfers to ensue file transport security
- D. Utilize the cloud products API for supported and ongoing integrations

Answer: A

NEW QUESTION 38

A security analyst wants to identify which vulnerabilities a potential attacker might initially exploit if the network is compromised Which of the following would provide the BEST results?

- A. Baseline configuration assessment
- B. Uncredentialed scan
- C. Network ping sweep
- D. External penetration test

Answer: D

NEW QUESTION 42

A threat feed notes malicious actors have been infiltrating companies and exfiltration data to a specific set of domains Management at an organization wants to know if it is a victim Which of the following should the security analyst recommend to identity this behavior without alerting any potential malicious actors?

- A. Create an IPS rule to block these domains and trigger an alert within the SIEM tool when these domains are requested
- B. Add the domains to a DNS sinkhole and create an alert m the SIEM toot when the domains are queried
- C. Look up the IP addresses for these domains and search firewall logs for any traffic being sent to those IPs over port 443
- D. Query DNS logs with a SIEM tool for any hosts requesting the malicious domains and create alerts based on this information

Answer: D

NEW QUESTION 44

A storage area network (SAN) was inadvertently powered off while power maintenance was being performed in a datacenter. None of the systems should have lost all power during the maintenance. Upon review, it is discovered that a SAN administrator moved a power plug when testing the SAN's fault notification features.

Which of the following should be done to prevent this issue from reoccurring?

- A. Ensure both power supplies on the SAN are serviced by separate circuits, so that if one circuit goes down, the other remains powered.
- B. Install additional batteries in the SAN power supplies with enough capacity to keep the system powered on during maintenance operations.
- C. Ensure power configuration is covered in the datacenter change management policy and have the SAN administrator review this policy.
- D. Install a third power supply in the SAN so loss of any power intuit does not result in the SAN completely powering off.

Answer: A

NEW QUESTION 47

An organization has not had an incident for several month. The Chief information Security Officer (CISO) wants to move to proactive stance for security investigations. Which of the following would BEST meet that goal?

- A. Root-cause analysis
- B. Active response
- C. Advanced antivirus
- D. Information-sharing community
- E. Threat hunting

Answer: E

NEW QUESTION 49

Which of me following BEST articulates the benefit of leveraging SCAP in an organization's cybersecurity analysis toolset?

- A. It automatically performs remedial configuration changes lo enterprise security services
- B. It enables standard checklist and vulnerability analysis expressions for automaton
- C. It establishes a continuous integration environment for software development operations
- D. It provides validation of suspected system vulnerabilities through workflow orchestration

Answer: B

NEW QUESTION 52

A security analyst is responding to an incident on a web server on the company network that is making a large number of outbound requests over DNS Which of the following is the FIRST step the analyst should take to evaluate this potential indicator of compromise'?

- A. Run an anti-malware scan on the system to detect and eradicate the current threat
- B. Start a network capture on the system to look into the DNS requests to validate command and control traffic.
- C. Shut down the system to prevent further degradation of the company network
- D. Reimage the machine to remove the threat completely and get back to a normal running state.
- E. Isolate the system on the network to ensure it cannot access other systems while evaluation is underway.

Answer: A

NEW QUESTION 53

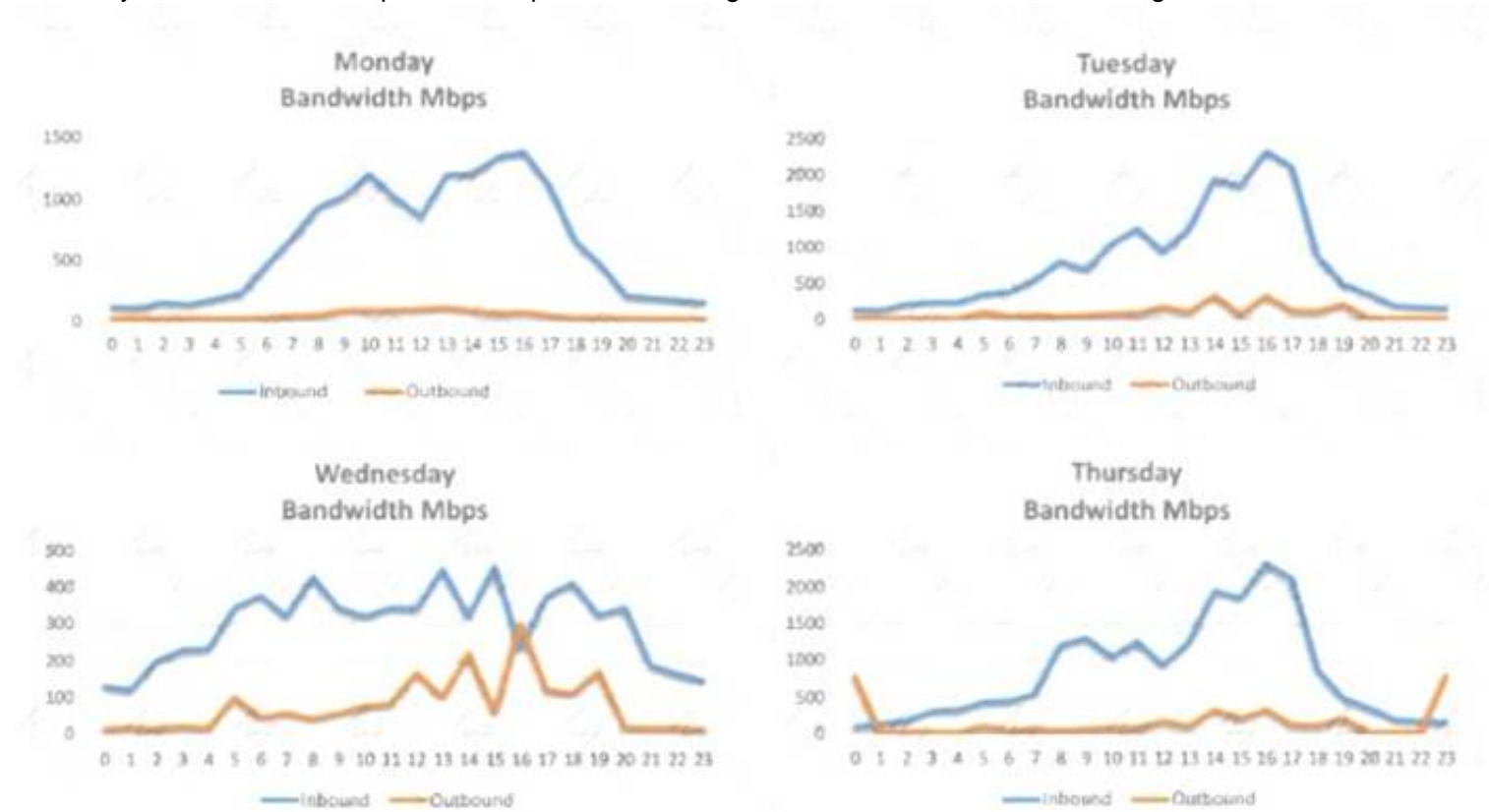
A system is experiencing noticeably slow response times, and users are being locked out frequently. An analyst asked for the system security plan and found the system comprises two servers: an application server in the DMZ and a database server inside the trusted domain. Which of the following should be performed NEXT to investigate the availability issue?

- A. Review the firewall logs.
- B. Review syslogs from critical servers.
- C. Perform fuzzing.
- D. Install a WAF in front of the application server.

Answer: C

NEW QUESTION 56

A security analyst is conducting a post-incident log analysis to determine which indicators can be used to detect further occurrences of a data exfiltration incident. The analyst determines backups were not performed during this time and reviews the following:



Which of the following should the analyst review to find out how the data was exfiltrated?

- A. Monday's logs
- B. Tuesday's logs

- C. Wednesday's logs
- D. Thursday's logs

Answer: D

NEW QUESTION 57

An analyst is investigating an anomalous event reported by the SOC After reviewing the system logs the analyst identifies an unexpected addition of a user with root-level privileges on the endpoint. Which of the following data sources will BEST help the analyst to determine whether this event constitutes an incident?

- A. Patching logs
- B. Threat feed
- C. Backup logs
- D. Change requests
- E. Data classification matrix

Answer: D

NEW QUESTION 61

A malicious hacker wants to gather guest credentials on a hotel 802.11 network. Which of the following tools is the malicious hacker going to use to gain access to information found on the hotel network?

- A. Nikto
- B. Aircrack-ng
- C. Nessus
- D. tcpdump

Answer: A

NEW QUESTION 65

A security analyst is investigating a malware infection that occurred on a Windows system. The system was not connected to a network and had no wireless capability Company policy prohibits using portable media or mobile storage The security analyst is trying to determine which user caused the malware to get onto the system Which of the following registry keys would MOST likely have this information?

- A)
`HKEY_USERS\<user SID>\Software\Microsoft\Windows\CurrentVersion\Run`
- B)
`HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\Run`
- C)
`HKEY_USERS\<user SID>\Software\Microsoft\Windows\explorer\MountPoints2`
- D)
`HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\services\eventlog\System\iusb3hub`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

NEW QUESTION 66

While analyzing logs from a WAF, a cybersecurity analyst finds the following:

```
"GET /form.php?id=463225%2b%2575%256e%2569%256f%256e%2b%2573%2574%2b0x3133333731,1223,1224&name=%state=IL"
```

Which of the following BEST describes what the analyst has found?

- A. This is an encrypted GET HTTP request
- B. A packet is being used to bypass the WAF
- C. This is an encrypted packet
- D. This is an encoded WAF bypass

Answer: D

NEW QUESTION 70

The help desk provided a security analyst with a screenshot of a user's desktop:

```
$ aircrack-ng -e AHT4 -w dictionary.txt wpa2.pcapdump
Opening wpa2.pcapdump
Read 6396 packets.
Opening wpa2.pcapdump
Reading packets, please wait...
```

For which of the following is aircrack-ng being used?

- A. Wireless access point discovery
- B. Rainbow attack
- C. Brute-force attack

D. PCAP data collection

Answer: B

NEW QUESTION 74

During an investigation, an incident responder intends to recover multiple pieces of digital media. Before removing the media, the responder should initiate:

- A. malware scans.
- B. secure communications.
- C. chain of custody forms.
- D. decryption tools.

Answer: C

NEW QUESTION 75

A new on-premises application server was recently installed on the network. Remote access to the server was enabled for vendor support on required ports, but recent security reports show large amounts of data are being sent to various unauthorized networks through those ports. Which of the following configuration changes must be implemented to resolve this security issue while still allowing remote vendor access?

- A. Apply a firewall application server rule.
- B. Whitelist the application server.
- C. Sandbox the application server.
- D. Enable port security.
- E. Block the unauthorized networks.

Answer: B

NEW QUESTION 76

Bootloader malware was recently discovered on several company workstations. All the workstations run Windows and are current models with UEFI capability. Which of the following UEFI settings is the MOST likely cause of the infections?

- A. Compatibility mode
- B. Secure boot mode
- C. Native mode
- D. Fast boot mode

Answer: A

NEW QUESTION 78

An analyst is working with a network engineer to resolve a vulnerability that was found in a piece of legacy hardware, which is critical to the operation of the organization's production line. The legacy hardware does not have third-party support, and the OEM manufacturer of the controller is no longer in operation. The analyst documents the activities and verifies these actions prevent remote exploitation of the vulnerability. Which of the following would be the MOST appropriate to remediate the controller?

- A. Segment the network to constrain access to administrative interfaces.
- B. Replace the equipment that has third-party support.
- C. Remove the legacy hardware from the network.
- D. Install an IDS on the network between the switch and the legacy equipment.

Answer: A

NEW QUESTION 83

A security analyst working in the SOC recently discovered Balances m which hosts visited a specific set of domains and IPs and became infected with malware. Which of the following is the MOST appropriate action to take in the situation?

- A. implement an IPS signature for the malware and update the blacklisting for the associated domains and IPs
- B. Implement an IPS signature for the malware and another signature request to Nock all the associated domains and IPs
- C. Implement a change request to the firewall setting to not allow traffic to and from the IPs and domains
- D. Implement an IPS signature for the malware and a change request to the firewall setting to not allow traffic to and from the IPs and domains

Answer: C

NEW QUESTION 85

During an investigation, a security analyst determines suspicious activity occurred during the night shift over the weekend. Further investigation reveals the activity was initiated from an internal IP going to an external website.

Which of the following would be the MOST appropriate recommendation to prevent the activity from happening in the future?

- A. An IPS signature modification for the specific IP addresses
- B. An IDS signature modification for the specific IP addresses
- C. A firewall rule that will block port 80 traffic
- D. A firewall rule that will block traffic from the specific IP addresses

Answer: D

NEW QUESTION 90

Which of the following software security best practices would prevent an attacker from being able to run arbitrary SQL commands within a web application? (Choose two.)

- A. Parameterized queries
- B. Session management
- C. Input validation
- D. Output encoding
- E. Data protection
- F. Authentication

Answer: AC

NEW QUESTION 92

A cybersecurity analyst is currently checking a newly deployed server that has an access control list applied. When conducting the scan, the analyst received the following code snippet of results:

```
Mail Server1
Trying 192.168.2.2
Connected
Get / HTTP/ 1.0

HTTP:1.0 200 Document follows
Server: server/0.10
Connection: close
Set-Cookie: testing=1; path=/
```

Which of the following describes the output of this scan?

- A. The analyst has discovered a False Positive, and the status code is incorrect providing an OK message.
- B. The analyst has discovered a True Positive, and the status code is correct providing a file not found error message.
- C. The analyst has discovered a True Positive, and the status code is incorrect providing a forbidden message.
- D. The analyst has discovered a False Positive, and the status code is incorrect providing a server error message.

Answer: B

NEW QUESTION 94

During a cyber incident, which of the following is the BEST course of action?

- A. Switch to using a pre-approved, secure, third-party communication system.
- B. Keep the entire company informed to ensure transparency and integrity during the incident.
- C. Restrict customer communication until the severity of the breach is confirmed.
- D. Limit communications to pre-authorized parties to ensure response efforts remain confidential.

Answer: D

NEW QUESTION 95

A security analyst has received reports of very slow, intermittent access to a public-facing corporate server. Suspecting the system may be compromised, the analyst runs the following commands:

```
[root@www18 /tmp]# uptime
19:23:35 up 2:33, 1 user, load average: 87.22, 79.69, 72.17
[root@www18 /tmp]# crontab -l
* * * * * /tmp/.t/t
[root@www18 /tmp]# ps ax | grep tmp
1325 ? Ss 0:00 /tmp/.t/t
[root@www18 /tmp]# netstat -anlp
tcp 0 0 0.0.0.0:22 172.168.0.0:* ESTABLISHED 1204/sshd
tcp 0 0 127.0.0.1:631 0.0.0.0:* LISTEN 1214/cupsd
tcp 0 0 0.0.0.0:443 0.0.0.0:* LISTEN 1267/httpd
```

Based on the output from the above commands, which of the following should the analyst do NEXT to further the investigation?

- A. Run `crontab -r; rm -rf /tmp/.t` to remove and disable the malware on the system.
- B. Examine the server logs for further indicators of compromise of a web application.
- C. Run `kill -9 1325` to bring the load average down so the server is usable again.
- D. Perform a binary analysis on the `/tmp/.t/t` file, as it is likely to be a rogue SSHD server.

Answer: B

NEW QUESTION 96

Joe, a penetration tester, used a professional directory to identify a network administrator and ID administrator for a client's company. Joe then emailed the network administrator, identifying himself as the ID administrator, and asked for a current password as part of a security exercise. Which of the following techniques were used in this scenario?

- A. Enumeration and OS fingerprinting
- B. Email harvesting and host scanning
- C. Social media profiling and phishing

D. Network and host scanning

Answer: C

NEW QUESTION 98

A security technician is testing a solution that will prevent outside entities from spoofing the company's email domain, which is comptia.org. The testing is successful, and the security technician is prepared to fully implement the solution. Which of the following actions should the technician take to accomplish this task?

- A. Add TXT @ "v=spf1 mx include:_spf.comptia.org all" to the DNS record.
- B. Add TXT @ "v=spf1 mx include:_spf.comptia.org all" to the email server.
- C. Add TXT @ "v=spf1 mx include:_spf.comptia.org +all" to the domain controller.
- D. Add TXT @ "v=spf1 mx include:_spf.comptia.org +all" to the web server.

Answer: A

NEW QUESTION 101

A large amount of confidential data was leaked during a recent security breach. As part of a forensic investigation, the security team needs to identify the various types of traffic that were captured between two compromised devices.

Which of the following should be used to identify the traffic?

- A. Carving
- B. Disk imaging
- C. Packet analysis
- D. Memory dump
- E. Hashing

Answer: C

NEW QUESTION 106

An organization suspects it has had a breach, and it is trying to determine the potential impact. The organization knows the following:

- The source of the breach is linked to an IP located in a foreign country.
- The breach is isolated to the research and development servers.
- The hash values of the data before and after the breach are unchanged.
- The affected servers were regularly patched, and a recent scan showed no vulnerabilities.

Which of the following conclusions can be drawn with respect to the threat and impact? (Choose two.)

- A. The confidentiality of the data is unaffected.
- B. The threat is an APT.
- C. The source IP of the threat has been spoofed.
- D. The integrity of the data is unaffected.
- E. The threat is an insider.

Answer: BD

NEW QUESTION 109

A security architect is reviewing the options for performing input validation on incoming web form submissions. Which of the following should the architect as the MOST secure and manageable option?

- A. Client-side whitelisting
- B. Server-side whitelisting
- C. Server-side blacklisting
- D. Client-side blacklisting

Answer: B

NEW QUESTION 114

A security analyst is evaluating two vulnerability management tools for possible use in an organization. The analyst set up each of the tools according to the respective vendor's instructions and generated a report of vulnerabilities that ran against the same target server.

Tool A reported the following:

```
The target host (192.168.10.13) is missing the following patches:  
CRITICAL KB50227328: Windows Server 2016 June 2019 Cumulative Update  
CRITICAL KB50255293: Windows Server 2016 July 2019 Cumulative Update  
HIGH MS19-055: Cumulative Security Update for Edge (2863871)
```

Tool B reported the following:

```
Methods GET HEAD OPTIONS POST TRACE are allowed on 192.168.10.13:80  
192.168.10.13:443 uses a self-signed certificate  
Apache 4.2.x < 4.2.28 Contains Multiple Vulnerabilities
```

Which of the following BEST describes the method used by each tool? (Choose two.)

- A. Tool A is agent based.
- B. Tool A used fuzzing logic to test vulnerabilities.

- C. Tool A is unauthenticated.
- D. Tool B utilized machine learning technology.
- E. Tool B is agent based.
- F. Tool B is unauthenticated.

Answer: CE

NEW QUESTION 119

A security analyst received an alert from the SIEM indicating numerous login attempts from users outside their usual geographic zones, all of which were initiated through the web-based mail server. The logs indicate all domain accounts experienced two login attempts during the same time frame. Which of the following is the MOST likely cause of this issue?

- A. A password-spraying attack was performed against the organization.
- B. A DDoS attack was performed against the organization.
- C. This was normal shift work activity; the SIEM's AI is learning.
- D. A credentialed external vulnerability scan was performed.

Answer: A

NEW QUESTION 122

A security analyst implemented a solution that would analyze the attacks that the organization's firewalls failed to prevent. The analyst used the existing systems to enact the solution and executed the following command.

```
S sudo nc -l -v -c maildemon . py 25 caplog, txt
```

Which of the following solutions did the analyst implement?

- A. Log collector
- B. Crontab mail script
- C. Snikhole
- D. Honeytrap

Answer: A

NEW QUESTION 125

While planning segmentation for an ICS environment, a security engineer determines IT resources will need access to devices within the ICS environment without compromising security.

To provide the MOST secure access model in this scenario, the jumpbox should be.

- A. placed in an isolated network segment, authenticated on the IT side, and forwarded into the ICS network.
- B. placed on the ICS network with a static firewall rule that allows IT network resources to authenticate.
- C. bridged between the IT and operational technology networks to allow authenticated access.
- D. placed on the IT side of the network, authenticated, and tunneled into the ICS environment.

Answer: D

NEW QUESTION 130

A security analyst is building a malware analysis lab. The analyst wants to ensure malicious applications are not capable of escaping the virtual machines and pivoting to other networks.

To BEST mitigate this risk, the analyst should use.

- A. an 802.11ac wireless bridge to create an air gap.
- B. a managed switch to segment the lab into a separate VLAN.
- C. a firewall to isolate the lab network from all other networks.
- D. an unmanaged switch to segment the environments from one another.

Answer: C

NEW QUESTION 133

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