



# CompTIA

## Exam Questions CS0-002

CompTIA Cybersecurity Analyst (CySA+) Certification Exam

#### NEW QUESTION 1

Which of the following would MOST likely be included in the incident response procedure after a security breach of customer PII?

- A. Human resources
- B. Public relations
- C. Marketing
- D. Internal network operations center

**Answer: B**

#### NEW QUESTION 2

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 3

An analyst is participating in the solution analysis process for a cloud-hosted SIEM platform to centralize log monitoring and alerting capabilities in the SOC. Which of the following is the BEST approach for supply chain assessment when selecting a vendor?

- A. Gather information from providers, including datacenter specifications and copies of audit reports.
- B. Identify SLA requirements for monitoring and logging.
- C. Consult with senior management for recommendations.
- D. Perform a proof of concept to identify possible solutions.

**Answer: B**

#### NEW QUESTION 4

A security analyst conducted a risk assessment on an organization's wireless network and identified a high-risk element in the implementation of data confidentiality protection. Which of the following is the BEST technical security control to mitigate this risk?

- A. Switch to RADIUS technology
- B. Switch to TACACS+ technology.
- C. Switch to 802.1X technology
- D. Switch to the WPA2 protocol.

**Answer: B**

#### NEW QUESTION 5

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 6

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 environment
- 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 environment
- 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 7

Which of the following BEST describes the process by which code is developed, tested, and deployed in small batches?

- A. Agile
- B. Waterfall
- C. SDLC
- D. Dynamic code analysis

**Answer:** A

#### NEW QUESTION 8

The inability to do remote updates of certificates, keys software and firmware is a security issue commonly associated with:

- A. web servers on private networks.
- B. HVAC control systems
- C. smartphones
- D. firewalls and UTM devices

**Answer:** B

#### NEW QUESTION 9

A security analyst has been alerted to several emails that show evidence an employee is planning malicious activities that involve employee PII on the network before leaving the organization. The security analysis BEST response would be to coordinate with the legal department and:

- A. the public relations department
- B. senior leadership
- C. law enforcement
- D. the human resources department

**Answer:** D

#### NEW QUESTION 10

A human resources employee sends out a mass email to all employees that contains their personnel records. A security analyst is called in to address the concern of the human resources director on how to prevent this from happening in the future.

Which of the following would be the BEST solution to recommend to the director?

- A. Install a data loss prevention system, and train human resources employees on its use
- B. Provide PII training to all employees at the company
- C. Encrypt PII information.
- D. Enforce encryption on all emails sent within the company
- E. Create a PII program and policy on how to handle data
- F. Train all human resources employees.
- G. Train all employees
- H. Encrypt data sent on the company network
- I. Bring in privacy personnel to present a plan on how PII should be handled.
- J. Install specific equipment to create a human resources policy that protects PII data
- K. Train company employees on how to handle PII data
- L. Outsource all PII to another company
- M. Send the human resources director to training for PII handling.

**Answer:** A

#### NEW QUESTION 10

A company was recently awarded several large government contracts and wants to determine its current risk from one specific APT.

Which of the following threat modeling methodologies would be the MOST appropriate to use during this analysis?

- A. Attack vectors
- B. Adversary capability
- C. Diamond Model of Intrusion Analysis
- D. Kill chain
- E. Total attack surface

**Answer:** B

#### NEW QUESTION 11

It is important to parameterize queries to prevent:

- A. the execution of unauthorized actions against a database.
- B. a memory overflow that executes code with elevated privileges.
- C. the establishment of a web shell that would allow unauthorized access.
- D. the queries from using an outdated library with security vulnerabilities.

**Answer:** A

#### NEW QUESTION 14

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 17

An organization was alerted to a possible compromise after its proprietary data was found for sale on the Internet. An analyst is reviewing the logs from the next-generation UTM in an attempt to find evidence of this breach. Given the following output:

Src IP	Src DNS	Dst IP	Dst DNS	Port	Application
10.50.50.121	83hht23.org-int.org	8.8.8.8	google...dns-a.google.com	53	DNS
10.50.50.121	83hht23.org-int.org	77.88.55.66	yandex.ru	443	HTTPS
172.16.52.20	webserver.org-dmz.org	131.52.88.45	--	53	DNS
10.100.10.45	appserver.org-int.org	69.134.21.90	repo.its.utk.edu	21	FTP
172.16.52.20	webserver.org-dmz.org	131.52.88.45	--	10999	HTTPS
172.16.52.100	sftp.org-dmz.org	62.30.221.56	ftps.bluedmed.net	42991	SSH
172.16.52.20	webserver.org-dmz.org	131.52.88.45	--	10999	HTTPS

Which of the following should be the focus of the investigation?

- A. webserver.org-dmz.org
- B. sftp.org-dmz.org
- C. 83hht23.org-int.org
- D. ftps.bluedmed.net

Answer: A

#### NEW QUESTION 19

A cyber-incident response analyst is investigating a suspected cryptocurrency miner on a company's server. Which of the following is the FIRST step the analyst should take?

- A. Create a full disk image of the server's hard drive to look for the file containing the malware.
- B. Run a manual antivirus scan on the machine to look for known malicious software.
- C. Take a memory snapshot of the machine to capture volatile information stored in memory.
- D. Start packet capturing to look for traffic that could be indicative of command and control from the miner.

Answer: D

#### NEW QUESTION 24

A security analyst is attempting to utilize the blowing threat intelligence for developing detection capabilities:

APT X's approach to a target would be sending a phishing email to the target after conducting active and passive reconnaissance. Upon successful compromise, APT X conducts internal reconnaissance and attempts to move laterally by utilizing existing resources. When APT X finds data that aligns to its objectives, it stages and then exfiltrates data sets in sizes that can range from 1GB to 5GB. APT X also establishes several backdoors to maintain a CI presence in the environment.

In which of the following phases is this APT MOST likely to leave discoverable artifacts?

- A. Data collection/exfiltration
- B. Defensive evasion
- C. Lateral movement
- D. Reconnaissance

Answer: A

#### NEW QUESTION 28

A web-based front end for a business intelligence application uses pass-through authentication to authenticate users. The application then uses a service account, to perform queries and look up data in a database. A security analyst discovers employees are accessing data sets they have not been authorized to use. Which of the following will fix the cause of the issue?

- A. Change the security model to force the users to access the database as themselves
- B. Parameterize queries to prevent unauthorized SQL queries against the database
- C. Configure database security logging using syslog or a SIEM
- D. Enforce unique session IDs so users do not get a reused session ID

Answer: B

#### NEW QUESTION 31

A company's Chief Information Security Officer (CISO) is concerned about the integrity of some highly confidential files. Any changes to these files must be tied back to a specific authorized user's activity session. Which of the following is the BEST technique to address the CISO's concerns?

- A. Configure DLP to reject all changes to the files without pre-authorization
- B. Monitor the files for unauthorized changes.
- C. Regularly use SHA-256 to hash the directory containing the sensitive information
- D. Monitor the files for unauthorized changes.
- E. Place a legal hold on the file
- F. Require authorized users to abide by a strict time context access policy. Monitor the files for unauthorized changes.
- G. Use Wireshark to scan all traffic to and from the director
- H. Monitor the files for unauthorized changes.

Answer: A

#### NEW QUESTION 32

An information security analyst observes anomalous behavior on the SCADA devices in a power plant. This behavior results in the industrial generators overheating and destabilizing the power supply.

Which of the following would BEST identify potential indicators of compromise?

- A. Use Burp Suite to capture packets to the SCADA device's IP.
- B. Use tcpdump to capture packets from the SCADA device IP.
- C. Use Wireshark to capture packets between SCADA devices and the management system.
- D. Use Nmap to capture packets from the management system to the SCADA devices.

**Answer: C**

#### NEW QUESTION 37

A pharmaceutical company's marketing team wants to send out notifications about new products to alert users of recalls and newly discovered adverse drug reactions. The team plans to use the names and mailing addresses that users have provided.

Which of the following data privacy standards does this violate?

- A. Purpose limitation
- B. Sovereignty
- C. Data minimization
- D. Retention

**Answer: A**

#### NEW QUESTION 42

A large software company wants to move «s source control and deployment pipelines into a cloud-computing environment. Due to the nature of the business management determines the recovery time objective needs to be within one hour. Which of the following strategies would put the company in the BEST position to achieve the desired recovery time?

- A. Establish an alternate site with active replication to other regions
- B. Configure a duplicate environment in the same region and load balance between both instances
- C. Set up every cloud component with duplicated copies and auto scaling turned on
- D. Create a duplicate copy on premises that can be used for failover in a disaster situation

**Answer: A**

#### NEW QUESTION 44

A security analyst on the threat-hunting team has developed a list of unneeded, benign services that are currently running as part of the standard OS deployment for workstations. The analyst will provide this list to the operations team to create a policy that will automatically disable the services for all workstations in the organization.

Which of the following BEST describes the security analyst's goal?

- A. To create a system baseline
- B. To reduce the attack surface
- C. To optimize system performance
- D. To improve malware detection

**Answer: B**

#### NEW QUESTION 49

An analyst has been asked to provide feedback regarding the control required by a revised regulatory framework At this time, the analyst only needs to focus on the technical controls. Which of the following should the analyst provide an assessment of?

- A. Tokenization of sensitive data
- B. Establishment o' data classifications
- C. Reporting on data retention and purging activities
- D. Formal identification of data ownership
- E. Execution of NDAs

**Answer: A**

#### NEW QUESTION 52

A company just chose a global software company based in Europe to implement a new supply chain management solution. Which of the following would be the MAIN concern of the company?

- A. Violating national security policy
- B. Packet injection
- C. Loss of intellectual property
- D. International labor laws

**Answer: A**

#### NEW QUESTION 55

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 60

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 61

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 63

The computer incident response team at a multinational company has determined that a breach of sensitive data has occurred in which a threat actor has compromised the organization's email system. Per the incident response procedures, this breach requires notifying the board immediately. Which of the following would be the BEST method of communication?

- A. Post of the company blog
- B. Corporate-hosted encrypted email
- C. VoIP phone call
- D. Summary sent by certified mail
- E. Externally hosted instant message

**Answer:** C

#### NEW QUESTION 67

An organization has not had an incident for several months. The Chief Information Security Officer (CISO) wants to move to a more 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 72

An information security analyst is working with a data owner to identify the appropriate controls to preserve the confidentiality of data within an enterprise environment One of the primary concerns is exfiltration of data by malicious insiders Which of the following controls is the MOST appropriate to mitigate risks?

- A. Data deduplication
- B. OS fingerprinting
- C. Digital watermarking
- D. Data loss prevention

**Answer:** D

#### NEW QUESTION 77

A security analyst is trying to determine if a host is active on a network. The analyst first attempts the following:

```
$ ping 192.168.1.4
PING 192.168.1.4 (192.168.1.4): 56 data bytes
--- 192.168.1.4 ping statistics ---
4 packets transmitted, 0 packets received, 100.0% packet loss
```

The analyst runs the following command next:

```
$ sudo hping3 -c 4 -n -i 192.168.1.4
HPING 192.168.1.4 (enl 192.168.1.4): NO FLAGS are set, 40 headers + 0 data bytes
len=46 ip=192.168.1.4 ttl=64 id=32101 sport=0 flags=RA seq=0 win=0 rtt=0.4ms
len=46 ip=192.168.1.4 ttl=64 id=32102 sport=0 flags=RA seq=1 win=0 rtt=0.3ms
len=46 ip=192.168.1.4 ttl=64 id=22103 sport=0 flags=RA seq=2 win=0 rtt=0.4ms
len=46 ip=192.168.1.4 ttl=64 id=32104 sport=0 flags=RA seq=3 win=0 rtt=0.4ms
--- 10.0.1.33 hpaing statistic ---
4 packets transmitted, 4 packets received, 0% packet loss
```

Which of the following would explain the difference in results?

- A. ICMP is being blocked by a firewall.
- B. The routing tables for ping and hping3 were different.
- C. The original ping command needed root permission to execute.
- D. hping3 is returning a false positive.

**Answer:** A

#### NEW QUESTION 80

A team of security analysis has been alerted to potential malware activity. The initial examination indicates one of the affected workstations on beaconing on TCP port 80 to five IP addresses and attempting to spread across the network over port 445. Which of the following should be the team's NEXT step during the detection phase of this response process?

- A. Escalate the incident to management ,who will then engage the network infrastructure team to keep them informed
- B. Depending on system critically remove each affected device from the network by disabling wired and wireless connections
- C. Engage the engineering team to block SMB traffic internally and outbound HTTP traffic to the five IP addresses Identify potentially affected systems by creating a correlation
- D. Identify potentially affected system by creating a correlation search in the SIEM based on the network traffic.

**Answer:** D

#### NEW QUESTION 81

A security analyst has received information from a third-party intelligence-sharing resource that indicates employee accounts were breached. Which of the following is the NEXT step the analyst should take to address the issue?

- A. Audit access permissions for all employees to ensure least privilege.
- B. Force a password reset for the impacted employees and revoke any tokens.
- C. Configure SSO to prevent passwords from going outside the local network.
- D. Set up privileged access management to ensure auditing is enabled.

**Answer:** B

#### NEW QUESTION 86

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 87

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 91

A security analyst gathered forensics from a recent intrusion in preparation for legal proceedings. The analyst used EnCase to gather the digital forensics. cloned the hard drive, and took the hard drive home for further analysis. Which of the following of the security analyst violate?

- A. Cloning procedures
- B. Chain of custody
- C. Hashing procedures
- D. Virtualization

**Answer:** B

#### NEW QUESTION 92

Which of the following types of policies is used to regulate data storage on the network?

- A. Password
- B. Acceptable use
- C. Account management
- D. Retention

**Answer:** D

#### NEW QUESTION 96

A developer wrote a script to make names and other PII data unidentifiable before loading a database export into the testing system Which of the following describes the type of control that is being used?

- A. Data encoding
- B. Data masking
- C. Data loss prevention
- D. Data classification

**Answer:** C

#### NEW QUESTION 97

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 98

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. Aircrak-ng
- C. Nessus
- D. tcpdump

**Answer:** A

#### NEW QUESTION 103

A product manager is working with an analyst to design a new application that will perform as a data analytics platform and will be accessible via a web browser. The product manager suggests using a PaaS provider to host the application. Which of the following is a security concern when using a PaaS solution?

- A. The use of infrastructure-as-code capabilities leads to an increased attack surface.
- B. Patching the underlying application server becomes the responsibility of the client.
- C. The application is unable to use encryption at the database level.
- D. Insecure application programming interfaces can lead to data compromise.

**Answer:** D

#### NEW QUESTION 106

A security analyst is supporting an embedded software team. Which of the following is the BEST recommendation to ensure proper error handling at runtime?

- A. Perform static code analysis.
- B. Require application fuzzing.
- C. Enforce input validation
- D. Perform a code review

**Answer:** B

#### NEW QUESTION 108

A security analyst has observed several incidents within an organization that are affecting one specific piece of hardware on the network. Further investigation reveals the equipment vendor previously released a patch. Which of the following is the MOST appropriate threat classification for these incidents?

- A. Known threat
- B. Zero day
- C. Unknown threat
- D. Advanced persistent threat



**Answer:** B

#### NEW QUESTION 111

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%2box3133333731,1223,1224&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 112

A network attack that is exploiting a vulnerability in the SNMP is detected. Which of the following should the cybersecurity analyst do FIRST?

- A. Apply the required patches to remediate the vulnerability.
- B. Escalate the incident to senior management for guidance.
- C. Disable all privileged user accounts on the network.
- D. Temporarily block the attacking IP address.

**Answer:** A

#### NEW QUESTION 113

A cybersecurity analyst is supporting 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:** A

#### NEW QUESTION 117

Risk management wants IT to implement a solution that will permit an analyst to intercept, execute, and analyze potentially malicious files that are downloaded from the Internet.

Which of the following would BEST provide this solution?

- A. File fingerprinting
- B. Decomposition of malware
- C. Risk evaluation
- D. Sandboxing

**Answer:** D

#### NEW QUESTION 119

A team of security analysts has been alerted to potential malware activity. The initial examination indicates one of the affected workstations is beaconing on TCP port 80 to five IP addresses and attempting to spread across the network over port 445. Which of the following should be the team's NEXT step during the detection phase of this response process?

- A. Escalate the incident to management, who will then engage the network infrastructure team to keep them informed.
- B. Depending on system criticality, remove each affected device from the network by disabling wired and wireless connections.
- C. Engage the engineering team to block SMB traffic internally and outbound HTTP traffic to the five IP addresses.
- D. Identify potentially affected systems by creating a correlation search in the SIEM based on the network traffic.

**Answer:** D

#### NEW QUESTION 121

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 126

As part of an exercise set up by the information security officer, the IT staff must move some of the network systems to an off-site facility and redeploy them for testing. All staff members must ensure their respective systems can power back up and match their gold image. If they find any inconsistencies, they must formally document the information.

Which of the following BEST describes this test?

- A. Walk through

- B. Full interruption
- C. Simulation
- D. Parallel

**Answer: C**

#### NEW QUESTION 127

During an investigation, a security analyst identified machines that are infected with malware the antivirus was unable to detect. Which of the following is the BEST place to acquire evidence to perform data carving?

- A. The system memory
- B. The hard drive
- C. Network packets
- D. The Windows Registry

**Answer: A**

#### NEW QUESTION 132

During an incident, a cybersecurity analyst found several entries in the web server logs that are related to an IP with a bad reputation . Which of the following would cause the analyst to further review the incident?

A)

```
BadReputationIp - - [2019-04-12 10:43Z] "GET /etc/passwd" 403 1023
```

B)

```
BadReputationIp - - [2019-04-12 10:43Z] "GET /index.html?src=../../ssh/id_rsa" 401 17044
```

C)

```
BadReputationIp - - [2019-04-12 10:43Z] "GET /a.php?src=/etc/passwd" 403 11056
```

D)

```
BadReputationIp - - [2019-04-12 10:43Z] "GET /a.php?src=../../ssh/id_rsa" 200 15036
```

E)

```
BadReputationIp - - [2019-04-12 10:43Z] "GET /favicon.ico?src=../usr/share/icons" 200 19064
```

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

**Answer: D**

#### NEW QUESTION 137

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 141

A security analyst received a SIEM alert regarding high levels of memory consumption for a critical system. After several attempts to remediate the issue, the system went down. A root cause analysis revealed a bad actor forced the application to not reclaim memory. This caused the system to be depleted of resources. Which of the following BEST describes this attack?

- A. Injection attack
- B. Memory corruption
- C. Denial of service
- D. Array attack

**Answer: B**

#### NEW QUESTION 146

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 151

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 153

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.

```
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. Honeybot

**Answer: A**

#### NEW QUESTION 154

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 157

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