

CS0-002 Dumps

CompTIA Cybersecurity Analyst (CySA+) Certification Exam

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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

Which of the following is the MOST important objective of a post-incident review?

- A. Capture lessons learned and improve incident response processes
- B. Develop a process for containment and continue improvement efforts
- C. Identify new technologies and strategies to remediate
- D. Identify a new management strategy

Answer: A

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 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 5

A security administrator needs to create an IDS rule to alert on FTP login attempts by root. Which of the following rules is the BEST solution?

- A. `alert udp any any -> root any -> 21`
- B. `alert tcp any any -> any 21 (content:"root")`
- C. `alert tcp any any -> any root 21`
- D. `alert tcp any any -> any root (content:"ftp")`

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

Answer: B

NEW QUESTION 6

An organization developed a comprehensive modern response policy Executive management approved the policy and its associated procedures. Which of the following activities would be MOST beneficial to evaluate personnel's familiarity with incident response procedures?

- A. A simulated breach scenario evolving the incident response team
- B. Completion of annual information security awareness training by all employees
- C. Tabletop activities involving business continuity team members
- D. Completion of lessons-learned documentation by the computer security incident response team
- E. External and internal penetration testing by a third party

Answer: A

NEW QUESTION 7

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 analyst's 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 8

A security manager has asked an analyst to provide feedback on the results of a penetration test. After reviewing the results the manager requests information regarding the possible exploitation of vulnerabilities. Much of the following information data points would be MOST useful for the analyst to provide to the security manager who would then communicate the risk factors to senior management? (Select TWO)

- A. Probability
- B. Adversary capability
- C. Attack vector
- D. Impact
- E. Classification
- F. Indicators of compromise

Answer: AD

NEW QUESTION 9

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

An analyst is reviewing a list of vulnerabilities, which were reported from a recent vulnerability scan of a Linux server. Which of the following is MOST likely to be a false positive?

- A. OpenSSH/OpenSSL Package Random Number Generator Weakness
- B. Apache HTTP Server Byte Range DoS
- C. GDI+ Remote Code Execution Vulnerability (MS08-052)
- D. HTTP TRACE / TRACK Methods Allowed (002-1208)
- E. SSL Certificate Expiry

Answer: E

NEW QUESTION 10

Which of the following software assessment methods would be BEST for gathering data related to an application's availability during peak times?

- A. Security regression testing
- B. Stress testing
- C. Static analysis testing
- D. Dynamic analysis testing
- E. User acceptance testing

Answer: B

NEW QUESTION 12

An organization developed a comprehensive incident response policy. Executive management approved the policy and its associated procedures. Which of the following activities would be MOST beneficial to evaluate personnel's familiarity with incident response procedures?

- A. A simulated breach scenario involving the incident response team
- B. Completion of annual information security awareness training by all employees

- C. Tabletop activities involving business continuity team members
- D. Completion of lessons-learned documentation by the computer security incident response team
- E. External and internal penetration testing by a third party

Answer: A

NEW QUESTION 16

A security analyst suspects a malware infection was caused by a user who downloaded malware after clicking `http://<malwaresource>/a.php` in a phishing email. To prevent other computers from being infected by the same malware variation, the analyst should create a rule on the.

- A. email server that automatically deletes attached executables.
- B. IDS to match the malware sample.
- C. proxy to block all connections to `<malwaresource>`.
- D. firewall to block connection attempts to dynamic DNS hosts.

Answer: C

NEW QUESTION 17

A security analyst needs to assess the web server versions on a list of hosts to determine which are running a vulnerable version of the software and output that list into an XML file named `Webserverlist.Xml`. The host list is provided in a file named `webserverlist.txt`. Which of the following Nmap commands would BEST accomplish this goal?

- A)

```
nmap -iL webserverlist.txt -sC -p 443 -oX webserverlist.xml
```
- B)

```
nmap -iL webserverlist.txt -sV -p 443 -oX webserverlist.xml
```
- C)

```
nmap -iL webserverlist.txt -F -p 443 -oX webserverlist.xml
```
- D)

```
nmap --takefile webserverlist.txt --outputfileasXML webserverlist.xml --scanports 443
```

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

Answer: A

NEW QUESTION 18

A Chief Information Security Officer (CISO) wants to upgrade an organization's security posture by improving proactive activities associated with attacks from internal and external threats.

Which of the following is the MOST proactive tool or technique that feeds incident response capabilities?

- A. Development of a hypothesis as part of threat hunting
- B. Log correlation, monitoring, and automated reporting through a SIEM platform
- C. Continuous compliance monitoring using SCAP dashboards
- D. Quarterly vulnerability scanning using credentialed scans

Answer: A

NEW QUESTION 21

Which of the following technologies can be used to house the entropy keys for disk encryption on desktops and laptops?

- A. Self-encrypting drive
- B. Bus encryption
- C. TPM
- D. HSM

Answer: A

NEW QUESTION 25

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 26

Ransomware is identified on a company's network that affects both Windows and MAC hosts. The command and control channel for encryption for this variant uses TCP ports from 11000 to 65000. The channel goes to good1. Iholdbadkeys.com, which resolves to IP address 72.172.16.2.

Which of the following is the MOST effective way to prevent any newly infected systems from actually encrypting the data on connected network drives while causing the least disruption to normal Internet traffic?

- A. Block all outbound traffic to web host good1 iholdbadkeys.com at the border gateway.
- B. Block all outbound TCP connections to IP host address 172.172.16.2 at the border gateway.
- C. Block all outbound traffic on TCP ports 11000 to 65000 at the border gateway.
- D. Block all outbound traffic on TCP ports 11000 to 65000 to IP host address 172.172.16.2 at the border gateway.

Answer: A

NEW QUESTION 30

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 33

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 34

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 37

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 39

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 of data classifications
- C. Reporting on data retention and purging activities
- D. Formal identification of data ownership
- E. Execution of NDAs

Answer: A

NEW QUESTION 42

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

connected to the Internet.
Which of the following solutions would meet this requirement?

- A. Establish a hosted SSO.
- B. Implement a CASB.
- C. Virtualize the server.
- D. Air gap the server.

Answer: D

NEW QUESTION 68

Which of the following attacks can be prevented by using output encoding?

- A. Server-side request forgery
- B. Cross-site scripting
- C. SQL injection
- D. Command injection
- E. Cross-site request forgery
- F. Directory traversal

Answer: B

NEW QUESTION 71

An analyst is performing penetration testing and vulnerability assessment activities against a new vehicle automation platform. Which of the following is MOST likely an attack vector that is being utilized as part of the testing and assessment?

- A. FaaS
- B. RTOS
- C. SoC
- D. GPS
- E. CAN bus

Answer: E

NEW QUESTION 73

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 77

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 80

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 84

A security analyst was alerted to a file integrity monitoring event based on a change to the vhost-payments .c onf file The output of the diff command against the known-good backup reads as follows

```
SecRule ARGS:Card "@rx ([0-9]+)" "id:123456,pass,capture,proxy:https://10.0.0.128/%{matched_var},nolog,noauditlog"
```

Which of the following MOST likely occurred?

- A. The file was altered to accept payments without charging the cards
- B. The file was altered to avoid logging credit card information
- C. The file was altered to verify the card numbers are valid.
- D. The file was altered to harvest credit card numbers

Answer: A

NEW QUESTION 86

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 90

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 91

Which of the following roles is ultimately responsible for determining the classification levels assigned to specific data sets?

- A. Data custodian
- B. Data owner
- C. Data processor
- D. Senior management

Answer: B

NEW QUESTION 94

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 99

A security analyst has discovered that developers have installed browsers on all development servers in the company's cloud infrastructure and are using them to browse the Internet. Which of the following changes should the security analyst make to BEST protect the environment?

- A. Create a security rule that blocks Internet access in the development VPC
- B. Place a jumpbox in between the developers' workstations and the development VPC
- C. Remove the administrator profile from the developer user group in identity and access management
- D. Create an alert that is triggered when a developer installs an application on a server

Answer: A

NEW QUESTION 104

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 106

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\\Software\Microsoft\Windows\CurrentVersion\Run`
- B)
`HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\Run`
- C)
`HKEY_USERS\\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 111

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 114

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 119

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 122

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 123

A security analyst is providing a risk assessment for a medical device that will be installed on the corporate network. During the assessment, the analyst discovers the device has an embedded operating system that will be at the end of its life in two years. Due to the criticality of the device, the security committee makes a risk-based policy decision to review and enforce the vendor upgrade before the end of life is reached.

Which of the following risk actions has the security committee taken?

- A. Risk exception
B. Risk avoidance
C. Risk tolerance

D. Risk acceptance

Answer: D

NEW QUESTION 124

The help desk noticed a security analyst that emails from a new email server are not being sent out. The new email server was recently to the existing ones. The analyst runs the following command on the new server.

```
nslookup -type=txt exampledomain.org
"v=spf1 ip4:72.56.48.0/28 -all"
...
```

Given the output, which of the following should the security analyst check NEXT?

- A. The DNS name of the new email server
- B. The version of SPF that is being used
- C. The IP address of the new email server
- D. The DMARC policy

Answer: B

NEW QUESTION 125

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 128

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 129

A security analyst is investigating a compromised Linux server. The analyst issues the ps command and receives the following output.

```
1286  ?  Ss  0:00  /usr/sbin/cupsd -f
1287  ?  Ss  0:00  /usr/sbin/httpd
1297  ?  Ssl 0:00  /usr/bin/libvirtd
1301  ?  Ss  0:00  ./usr/sbin/sshd -D
1308  ?  Ss  0:00  /usr/sbin/atd -f
```

Which of the following commands should the administrator run NEXT to further analyze the compromised system?

- A. strace /proc/1301
- B. rpm -V openash-server
- C. /bin/la -l /proc/1301/exe
- D. kill -9 1301

Answer: A

NEW QUESTION 130

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 134

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 137

An incident responder successfully acquired application binaries off a mobile device for later forensic analysis. Which of the following should the analyst do NEXT?

- A. Decompile each binary to derive the source code.
- B. Perform a factory reset on the affected mobile device.
- C. Compute SHA-256 hashes for each binary.
- D. Encrypt the binaries using an authenticated AES-256 mode of operation.
- E. Inspect the permissions manifests within each application.

Answer: C

NEW QUESTION 140

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 file, as it is likely to be a rogue SSHD server.

Answer: B

NEW QUESTION 141

An employee in the billing department accidentally sent a spreadsheet containing payment card data to a recipient outside the organization. The employee intended to send the spreadsheet to an internal staff member with a similar name and was unaware of the mistake until the recipient replied to the message. In addition to retraining the employee, which of the following would prevent this from happening in the future?

- A. Implement outgoing filter rules to quarantine messages that contain card data
- B. Configure the outgoing mail filter to allow attachments only to addresses on the whitelist
- C. Remove all external recipients from the employee's address book
- D. Set the outgoing mail filter to strip spreadsheet attachments from all messages.

Answer: B

NEW QUESTION 146

As part of a merger with another organization, a Chief Information Security Officer (CISO) is working with an assessor to perform a risk assessment focused on data privacy compliance. The CISO is primarily concerned with the potential legal liability and fines associated with data privacy. Based on the CISO's concerns, the assessor will MOST likely focus on:

- A. qualitative probabilities.
- B. quantitative probabilities.
- C. qualitative magnitude.
- D. quantitative magnitude.

Answer: D

NEW QUESTION 151

A small electronics company decides to use a contractor to assist with the development of a new FPGA-based device. Several of the development phases will occur off-site at the contractor's labs.

Which of the following is the main concern a security analyst should have with this arrangement?

- A. Making multiple trips between development sites increases the chance of physical damage to the FPGAs.
- B. Moving the FPGAs between development sites will lessen the time that is available for security testing.
- C. Development phases occurring at multiple sites may produce change management issues.
- D. FPGA applications are easily cloned, increasing the possibility of intellectual property theft.

Answer: B

NEW QUESTION 152

A system's authority to operate (ATO) is set to expire in four days. Because of other activities and limited staffing, the organization has neglected to start reauthentication activities until now. The cybersecurity group just performed a vulnerability scan with the partial set of results shown below:

```
-----  
Scan Host: 192.168.1.13  
15-Jan-16 08:12:10.1 EDT  
  
Vulnerability CVE-2015-1635  
HTTP.sys in Microsoft Windows 7 SP1, Windows Server 2008 R2 SP1, Windows 8,  
Windows 8.1 and Windows Server 2012 allows remote attackers to execute  
arbitrary code via crafted HTTP requests, aka "HTTP.sys remote code execution  
vulnerability"  
  
Severity: 10.0 (high)  
  
Expected Result: enforceHTTPValidation='enabled';  
Current Value: enforceHTTPValidation=enabled;  
  
Evidence:  
C:\%system%\Windows\config\web.config  
-----
```

Based on the scenario and the output from the vulnerability scan, which of the following should the security team do with this finding?

- A. Remediate by going to the web config file, searching for the enforce HTTP validation setting, and manually updating to the correct setting.
- B. Accept this risk for now because this is a "high" severity, but testing will require more than the four days available, and the system ATO needs to be completed.
- C. Ignore it
- D. This is false positive, and the organization needs to focus its efforts on other findings.
- E. Ensure HTTP validation is enabled by rebooting the server.

Answer: A

NEW QUESTION 155

A security analyst recently discovered two unauthorized hosts on the campus's wireless network segment from a man-in-the-middle attack. The security analyst also verified that privileges were not escalated, and the two devices did not gain access to other network devices. Which of the following would BEST mitigate and improve the security posture of the wireless network for this type of attack?

- A. Enable MAC filtering on the wireless router and suggest a stronger encryption for the wireless network.
- B. Change the SSID, strengthen the passcode, and implement MAC filtering on the wireless router.
- C. Enable MAC filtering on the wireless router and create a whitelist that allows devices on the network.
- D. Conduct a wireless survey to determine if the wireless strength needs to be reduced.

Answer: A

NEW QUESTION 160

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. Honeypot

Answer: A

NEW QUESTION 165

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 168

An organization has several system that require specific logons Over the past few months, the security analyst has noticed numerous failed logon attempts followed by password resets. Which of the following should the analyst do to reduce the occurrence of legitimate failed logons and password resets?

- A. Use SSO across all applications
- B. Perform a manual privilege review
- C. Adjust the current monitoring and logging rules
- D. Implement multifactor authentication

Answer: B

NEW QUESTION 172

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