SY0-601 Dumps

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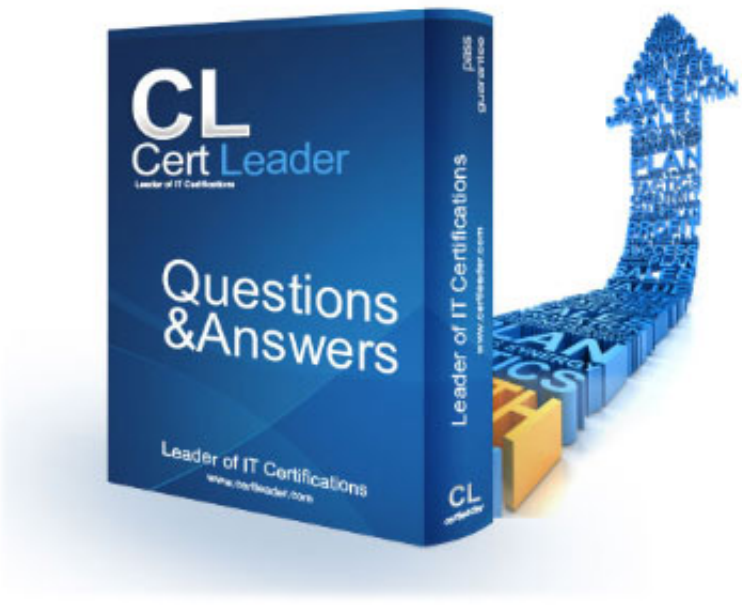


NEW QUESTION 1
Company engineers regularly participate in a public Internet forum with other engineers throughout the industry. Which of the following tactics would an attacker MOST likely use in this scenario?

A. Watering-hole attack
B. Credential harvesting
C. Hybrid warfare
D. Pharming

Answer: A

NEW QUESTION 2
Which of the following describes the BEST approach for deploying application patches?

A. Apply the patches to systems in a testing environment then to systems in a staging environment, and finally to production systems.
B. Test the patches in a staging environment, develop against them in the development environment, andthen apply them to the production systems
C. Test the patches m a test environment apply them to the production systems and then apply them to a staging environment
D. Apply the patches to the production systems apply them in a staging environment, and then test all of them in a testing environment

Answer: A

NEW QUESTION 3
A cybersecurity department purchased o new PAM solution. The team is planning to randomize the service account credentials of the Windows server first. Which of the following would be the BEST method to increase the security on the Linux server?

A. Randomize the shared credentials
B. Use only guest accounts to connect.
C. Use SSH keys and remove generic passwords
D. Remove all user accounts.

Answer: C

NEW QUESTION 4
An organization that is located in a flood zone is MOST likely to document the concerns associated with the restoration of IT operation in a:

A. business continuity plan
B. communications plan.
C. disaster recovery plan.
D. continuity of operations plan

Answer: C

NEW QUESTION 5
A user enters a password to log in to a workstation and is then prompted to enter an authentication code. Which of the following MFA factors or attributes are being utilized in the authentication process? (Select TWO).

A. Something you know
B. Something you have
C. Somewhere you are
D. Someone you are
E. Something you are
F. Something you can do

Answer: BE

NEW QUESTION 6
A user recently entered a username and password into a recruiting application website that had been forged to look like the legitimate site Upon investigation, a security analyst the identifies the following:
• The legitimate websites IP address is 10.1.1.20 and eRecruit local resolves to the IP
• The forged website's IP address appears to be 10.2.12.99. based on NetFtow records
• AH three at the organization's DNS servers show the website correctly resolves to the legitimate IP
• DNS query logs show one of the three DNS servers returned a result of 10.2.12.99 (cached) at the approximate time of the suspected compromise.
Which of the following MOST likely occurred?

A. A reverse proxy was used to redirect network traffic
B. An SSL strip MITM attack was performed
C. An attacker temporarily pawned a name server
D. An ARP poisoning attack was successfully executed

Answer: B

NEW QUESTION 7
A commercial cyber-threat intelligence organization observes IoCs across a variety of unrelated customers. Prior to releasing specific threat intelligence to other paid subscribers, the organization is MOST likely obligated by contracts to:

A. perform attribution to specific APTs and nation-state actors.
B. anonymize any PII that is observed within the IoC data.
C. add metadata to track the utilization of threat intelligence reports.
D. assist companies with impact assessments based on the observed data.

Answer: B

NEW QUESTION 8
An enterprise has hired an outside security firm to conduct penetration testing on its network and applications. The firm has only been given the documentation available to the customers of the applications. Which of the following BEST represents the type of testing that will occur?

A. Bug bounty
B. Black-box
C. Gray-box
D. White-box

Answer: A

NEW QUESTION 9
Which of the following are the MOST likely vectors for the unauthorized inclusion of vulnerable code in a software company's final software releases? (Select TWO.)

A. Unsecure protocols
B. Use of penetration-testing utilities
C. Weak passwords
D. Included third-party libraries
E. Vendors/supply chain
F. Outdated anti-malware software

Answer: AD

NEW QUESTION 10
A financial organization has adopted a new secure, encrypted document-sharing application to help with its customer loan process. Some important PII needs to be shared across this new platform, but it is getting blocked by the DLP systems. Which of the following actions will BEST allow the PII to be shared with the secure application without compromising the organization's security posture?

A. Configure the DLP policies to allow all PII
B. Configure the firewall to allow all ports that are used by this application
C. Configure the antivirus software to allow the application
D. Configure the DLP policies to whitelist this application with the specific PII
E. Configure the application to encrypt the PII

Answer: D

NEW QUESTION 10
A company recently experienced a data breach and the source was determined to be an executive who was charging a phone in a public area. Which of the following would MOST likely have prevented this breach?

A. A firewall
B. A device pin
C. A USB data blocker
D. Biometrics

Answer: C

NEW QUESTION 12
Which of the following relets to applications and systems that are used within an organization without consent or approval?

A. Shadow IT
B. OSINT
C. Dark web
D. Insider threats

Answer: A

NEW QUESTION 17
Which of the following job roles would sponsor data quality and data entry initiatives that ensure business and regulatory requirements are met?

A. The data owner
B. The data processor
C. The data steward
D. The data privacy officer.

Answer: C

NEW QUESTION 18

A network engineer needs to build a solution that will allow guests at the company's headquarters to access the Internet via WiFi. This solution should not allow access to the internal corporate network, but it should require guests to sign off on the acceptable use policy before accessing the Internet. Which of the following should the engineer employ to meet these requirements?

A. Implement open PSK on the APs
B. Deploy a WAF
C. Configure WIPS on the APs
D. Install a captive portal

Answer: D

NEW QUESTION 23
After a ransomware attack a forensics company needs to review a cryptocurrency transaction between the victim and the attacker. Which of the following will the company MOST likely review to trace this transaction?

A. The public ledger
B. The NetFlow data
C. A checksum
D. The event log

Answer: A

NEW QUESTION 27
A recent audit uncovered a key finding regarding the use of a specific encryption standard in a web application that is used to communicate with business customers. Due to the technical limitations of its customers the company is unable to upgrade the encryption standard. Which of the following types of controls should be used to reduce the risk created by this scenario?

A. Physical
B. Detective
C. Preventive
D. Compensating

Answer: D

NEW QUESTION 29
When used at the design stage, which of the following improves the efficiency, accuracy, and speed of a database?

A. Tokenization
B. Data masking
C. Normalization
D. Obfuscation

Answer: C

NEW QUESTION 30
Which of the following would BEST identify and remediate a data-loss event in an enterprise using third-party, web-based services and file-sharing platforms?

A. SIEM
B. CASB
C. UTM
D. DLP

Answer: D

NEW QUESTION 31
A startup company is using multiple SaaS and IaaS platform to stand up a corporate infrastructure and build out a customer-facing web application. Which of the following solutions would be BEST to provide security, manageability, and visibility into the platforms?

A. SIEM
B. DLP
C. CASB
D. SWG

Answer: C

NEW QUESTION 35
A recently discovered zero-day exploit utilizes an unknown vulnerability in the SMB network protocol to rapidly infect computers. Once infected, computers are encrypted and held for ransom. Which of the following would BEST prevent this attack from reoccurring?

A. Configure the perimeter firewall to deny inbound external connections to SMB ports.
B. Ensure endpoint detection and response systems are alerting on suspicious SMB connections.
C. Deny unauthenticated users access to shared network folders.
D. Verify computers are set to install monthly operating system, updates automatically.

Answer: A

NEW QUESTION 36
A security analyst needs to determine how an attacker was able to use User3 to gain a foothold within a company's network. The company's lockout policy requires that an account be locked out for a minimum of 15 minutes after three unsuccessful attempts. While reviewing the log files, the analyst discovers the following:

```
3/16/20 3:31:10 AM Audit Failure: CompanyNetwork\User1 Unknown username or bad password.
3/16/20 3:31:11 AM Audit Failure: CompanyNetwork\User1 Unknown username or bad password.
3/16/20 3:31:12 AM Audit Failure: CompanyNetwork\User1 Unknown username or bad password.
3/16/20 3:31:13 AM Audit Failure: CompanyNetwork\User1 Account locked out.
3/16/20 3:31:14 AM Audit Failure: CompanyNetwork\User2 Unknown username or bad password.
3/16/20 3:31:15 AM Audit Failure: CompanyNetwork\User2 Unknown username or bad password.
3/16/20 3:31:16 AM Audit Failure: CompanyNetwork\User2 Unknown username or bad password.
3/16/20 3:31:18 AM Audit Failure: CompanyNetwork\User2 Account locked out.
3/16/20 3:31:19 AM Audit Failure: CompanyNetwork\User3 Unknown username or bad password.
3/16/20 3:31:20 AM Audit Failure: CompanyNetwork\User3 Unknown username or bad password.
3/16/20 3:31:22 AM Audit Success: CompanyNetwork\User3 Successful logon.
3/16/20 3:31:22 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
3/16/20 3:32:40 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
3/16/20 3:33:25 AM Audit Success: CompanyNetwork\User4 Successful logon.
```

Which of the following attacks MOST likely occurred?

A. Dictionary
B. Credential-stuffing
C. Password-spraying
D. Brute-force

Answer: D

NEW QUESTION 39
A security analyst needs to be proactive in understand the types of attacks that could potentially target the company's execute. Which of the following intelligence sources should to security analyst review?

A. Vulnerability feeds
B. Trusted automated exchange of indicator information
C. Structured threat information expression
D. Industry information-sharing and collaboration groups

Answer: D

NEW QUESTION 43
The facilities supervisor for a government agency is concerned about unauthorized access to environmental systems in the event the staff WiFi network is breached. Which of the blowing would BEST address this security concern?

A. install a smart meter on the staff WiFi.
B. Place the environmental systems in the same DHCP scope as the staff WiFi.
C. Implement Zigbee on the staff WiFi access points.
D. Segment the staff WiFi network from the environmental systems network.

Answer: D

NEW QUESTION 45
A company recently set up an e-commerce portal to sell its product online. The company wants to start accepting credit cards for payment, which requires compliance with a security standard. Which of the following standards must the company comply with before accepting credit cards on its e-commerce platform?

A. PCI DSS
B. ISO 22301
C. ISO 27001
D. NIST CSF

Answer: A

NEW QUESTION 49
A Chief Security Office's (CSO's) key priorities are to improve preparation, response, and recovery practices to minimize system downtime and enhance organizational resilience to ransomware attacks. Which of the following would BEST meet the CSO's objectives?

A. Use email-filtering software and centralized account management, patch high-risk systems, and restrict administration privileges on fileshares.
B. Purchase cyber insurance from a reputable provider to reduce expenses during an incident.
C. Invest in end-user awareness training to change the long-term culture and behavior of staff and executives, reducing the organization's susceptibility to phishing attacks.
D. Implement application whitelisting and centralized event-log management, and perform regular testing and validation of full backups.

Answer: D

NEW QUESTION 50
Joe, a user at a company, clicked an email link led to a website that infected his workstation. Joe, was connected to the network, and the virus spread to the network shares. The protective measures failed to stop this virus, and It has continues to evade detection. Which of the following should administrator implement to

protect the environment from this malware?

A. Install a definition-based antivirus.
B. Implement an IDS/IPS
C. Implement a heuristic behavior-detection solution.
D. Implement CASB to protect the network shares.

Answer: C

NEW QUESTION 51
A network administrator would like to configure a site-to-site VPN utilizing iPSec. The administrator wants the tunnel to be established with data integrity encryption, authentication and anti- replay functions Which of the following should the administrator use when configuring the VPN?

A. AH
B. EDR
C. ESP
D. DNSSEC

Answer: C

NEW QUESTION 55
An analyst needs to set up a method for securely transferring files between systems. One of the requirements is to authenticate the IP header and the payload. Which of the following services would BEST meet the criteria?

A. TLS
B. PFS
C. ESP
D. AH

Answer: A

NEW QUESTION 60
A security analyst needs to implement an MDM solution for BYOD users that will allow the company to retain control over company emails residing on the devices and limit data exfiltration that might occur if the devices are lost or stolen. Which of the following would BEST meet these requirements? (Select TWO).

A. Full-device encryption
B. Network usage rules
C. Geofencing
D. Containerization
E. Application whitelisting
F. Remote control

Answer: AB

NEW QUESTION 64
Phishing and spear-phishing attacks have been occurring more frequently against a company's staff. Which of the following would MOST likely help mitigate this issue?

A. DNSSEC and DMARC
B. DNS query logging
C. Exact mail exchanger records in the DNS
D. The addition of DNS conditional forwarders

Answer: C

NEW QUESTION 68
An organization has hired a security analyst to perform a penetration test. The analyst captures 1Gb worth of inbound network traffic to the server and transfer the pcap back to the machine for analysis. Which of the following tools should the analyst use to further review the pcap?

A. Nmap
B. cURL
C. Netcat
D. Wireshark

Answer: D

NEW QUESTION 71
Which of the following organizational policies are MOST likely to detect fraud that is being conducted by existing employees? (Select TWO).

A. Offboarding
B. Mandatory vacation
C. Job rotation
D. Background checks
E. Separation of duties
F. Acceptable use

Answer: BC

NEW QUESTION 75
An organization wants to implement a third factor to an existing multifactor authentication. The organization already uses a smart card and password. Which of the following would meet the organization's needs for a third factor?

A. Date of birth
B. Fingerprints
C. PIN
D. TPM

Answer: B

NEW QUESTION 76
The following is an administrative control that would be MOST effective to reduce the occurrence of malware execution?

A. Security awareness training
B. Frequency of NIDS updates
C. Change control procedures
D. EDR reporting cycle

Answer: A

NEW QUESTION 81
A company provides mobile devices to its users to permit access to email and enterprise applications. The company recently started allowing users to select from several different vendors and device models. When configuring the MDM, which of the following is a key security implication of this heterogeneous device approach?

A. The most common set of MDM configurations will become the effective set of enterprise mobile security controls.
B. All devices will need to support SCEP-based enrollment; therefore, the heterogeneity of the chosen architecture may unnecessarily expose private keys to adversaries.
C. Certain devices are inherently less secure than others, so compensatory controls will be needed to address the delta between device vendors.
D. MDMs typically will not support heterogeneous deployment environments, so multiple MDMs will need to be installed and configured.

Answer: C

NEW QUESTION 84
On which of the following is the live acquisition of data for forensic analysis MOST dependent? (Choose two.)

A. Data accessibility
B. Legal hold
C. Cryptographic or hash algorithm
D. Data retention legislation
E. Value and volatility of data
F. Right-to-audit clauses

Answer: EF

NEW QUESTION 88
An organization's RPO for a critical system is two hours. The system is used Monday through Friday, from 9:00 am to 5:00 pm. Currently, the organization performs a full backup every Saturday that takes four hours to complete. Which of the following additional backup implementations would be the BEST way for the analyst to meet the business requirements?

A. Incremental backups Monday through Friday at 6:00 p.m and differential backups hourly
B. Full backups Monday through Friday at 6:00 p.m and incremental backups hourly.
C. incremental backups Monday through Friday at 6:00 p.m and full backups hourly.
D. Full backups Monday through Friday at 6:00 p.m and differential backups hourly.

Answer: A

NEW QUESTION 92
A company wants to deploy PKI on its Internet-facing website. The applications that are currently deployed are:
- www.company.com (main website)
- contactus.company.com (for locating a nearby location)
- quotes.company.com (for requesting a price quote)

The company wants to purchase one SSL certificate that will work for all the existing applications and any future applications that follow the same naming conventions, such as store.company.com. Which of the following certificate types would BEST meet the requirements?

A. SAN
B. Wildcard
C. Extended validation
D. Self-signed

Answer: B

NEW QUESTION 95
Which of the following algorithms has the SMALLEST key size?

A. DES
B. Twofish
C. RSA
D. AES

Answer: B

NEW QUESTION 100
A university with remote campuses, which all use different service providers, loses Internet connectivity across all locations. After a few minutes, Internet and VoIP services are restored, only to go offline again at random intervals, typically within four minutes of services being restored. Outages continue throughout the day, impacting all inbound and outbound connections and services. Services that are limited to the local LAN or WiFi network are not impacted, but all WAN and VoIP services are affected.
Later that day, the edge-router manufacturer releases a CVE outlining the ability of an attacker to exploit the SIP protocol handling on devices, leading to resource exhaustion and system reloads. Which of the following BEST describe this type of attack? (Choose two.)

A. DoS
B. SSL stripping
C. Memory leak
D. Race condition
E. Shimming
F. Refactoring

Answer: AD

NEW QUESTION 103
An organization with a low tolerance for user inconvenience wants to protect laptop hard drives against loss or data theft. Which of the following would be the MOST acceptable?

A. SED
B. HSM
C. DLP
D. TPM

Answer: A

NEW QUESTION 107
A vulnerability assessment report will include the CVSS score of the discovered vulnerabilities because the score allows the organization to better.

A. validate the vulnerability exists in the organization's network through penetration testing
B. research the appropriate mitigation techniques in a vulnerability database
C. find the software patches that are required to mitigate a vulnerability
D. prioritize remediation of vulnerabilities based on the possible impact.

Answer: D

NEW QUESTION 111
A security analyst is reviewing logs on a server and observes the following output:

```
01/01/2020 03:33:23 admin attempted login with password sneak
01/01/2020 03:33:32 admin attempted login with password sneaked
01/01/2020 03:33:41 admin attempted login with password sneaker
01/01/2020 03:33:50 admin attempted login with password sneer
01/01/2020 03:33:59 admin attempted login with password sneeze
01/01/2020 03:34:08 admin attempted login with password sneezy
```

Which of the following is the security analyst observing?

A. A rainbow table attack
B. A password-spraying attack
C. A dictionary attack
D. A keylogger attack

Answer: C

NEW QUESTION 116
A root cause analysis reveals that a web application outage was caused by one of the company's developers uploading a newer version of the third-party libraries that were shared among several applications. Which of the following implementations would be BEST to prevent the issue from reoccurring?

A. CASB
B. SWG
C. Containerization
D. Automated failover

Answer: C

NEW QUESTION 121

An organization's help desk is flooded with phone calls from users stating they can no longer access certain websites. The help desk escalates the issue to the security team, as these websites were accessible the previous day. The security analysts run the following command: ipconfig /flushdns, but the issue persists. Finally, an analyst changes the DNS server for an impacted machine, and the issue goes away. Which of the following attacks MOST likely occurred on the original DNS server?

A. DNS cache poisoning
B. Domain hijacking
C. Distributed denial-of-service
D. DNS tunneling

Answer: B

NEW QUESTION 122
A Chief Information Security Officer (CISO) needs to create a policy set that meets international standards for data privacy and sharing. Which of the following should the CISO read and understand before writing the policies?

A. PCI DSS
B. GDPR
C. NIST
D. ISO 31000

Answer: B

NEW QUESTION 125
An organization has a growing workforce that is mostly driven by additions to the sales department. Each newly hired salesperson relies on a mobile device to conduct business. The Chief Information Officer (CIO) is wondering it the organization may need to scale down just as quickly as it scaled up. The ClO is also concerned about the organization's security and customer privacy. Which of the following would be BEST to address the ClO's concerns?

A. Disallow new hires from using mobile devices for six months
B. Select four devices for the sales department to use in a CYOD model
C. Implement BYOD for the sates department while leveraging the MDM
D. Deploy mobile devices using the COPE methodology

Answer: C

NEW QUESTION 127
Joe, an employee, receives an email stating he won the lottery. The email includes a link that requests a name, mobile phone number, address, and date of birth be provided to confirm Joe's identity before sending him the prize. Which of the following BEST describes this type of email?

A. Spear phishing
B. Whaling
C. Phishing
D. Vishing

Answer: C

NEW QUESTION 132
A public relations team will be taking a group of guest on a tour through the facility of a large e-commerce company. The day before the tour, the company sends out an email to employees to ensure all whiteboars are cleaned and all desks are cleared. The company is MOST likely trying to protect against.

A. Loss of proprietary information
B. Damage to the company's reputation
C. Social engineering
D. Credential exposure

Answer: C

NEW QUESTION 134
A company has limited storage available and online presence that cannot for more than four hours. Which of the following backup methodologies should the company implement to allow for the FASTEST database restore time In the event of a failure, which being maindful of the limited available storage space?

A. Implement fulltape backup every Sunday at 8:00 p.m and perform nightly tape rotations.
B. Implement different backups every Sunday at 8:00 and nightly incremental backups at 8:00 p.m
C. Implement nightly full backups every Sunday at 8:00 p.m
D. Implement full backups every Sunday at 8:00 p.m and nightly differential backups at 8:00

Answer: B

NEW QUESTION 135
The IT department at a university is concerned about professors placing servers on the university network in an attempt to bypass security controls. Which of the following BEST represents this type of threat?

A. A script kiddie
B. Shadow IT
C. Hacktivism
D. White-hat

Answer: B

NEW QUESTION 136
Which of the following would MOST likely support the integrity of a voting machine?

A. Asymmetric encryption
B. Blockchain
C. Transport Layer Security
D. Perfect forward secrecy

Answer: D

NEW QUESTION 139
A recent malware outbreak across a subnet included successful rootkit installations on many PCs, ensuring persistence by rendering remediation efforts ineffective. Which of the following would BEST detect the presence of a rootkit in the future?

A. FDE
B. NIDS
C. EDR
D. DLP

Answer: C

NEW QUESTION 141
A cybersecurity administrator has a reduced team and needs to operate an on-premises network and security infrastructure efficiently. To help with the situation, the administrator decides to hire a service provider. Which of the following should the administrator use?

A. SDP
B. AAA
C. IaaS
D. MSSP
E. Microservices

Answer: D

NEW QUESTION 145
During an incident response, a security analyst observes the following log entry on the web server.

```
GET http://www.companysite.com/product_info.php?show=../../../../etc/passwd HTTP/1.1
Host: www.companysite.com
```

Which of the following BEST describes the type of attack the analyst is experience?

A. SQL injection
B. Cross-site scripting
C. Pass-the-hash
D. Directory traversal

Answer: B

NEW QUESTION 146
Which of the following is the purpose of a risk register?

A. To define the level or risk using probability and likelihood
B. To register the risk with the required regulatory agencies
C. To identify the risk, the risk owner, and the risk measures
D. To formally log the type of risk mitigation strategy the organization is using

Answer: C

NEW QUESTION 151
A security administrator checks the table of a network switch, which shows the following output:

VLAN	Physical address	Type	Port
1	001a:42ff:5113	Dynamic	GE0/5
1	0faa:abcf:ddee	Dynamic	GE0/5
1	c6a9:6b16:758e	Dynamic	GE0/5
1	a3aa:b6a3:1212	Dynamic	GE0/5
1	8025:2ad8:bfac	Dynamic	GE0/5
1	b839:f995:a00a	Dynamic	GE0/5

Which of the following is happening to this switch?

A. MAC Flooding
B. DNS poisoning

C. MAC cloning
D. ARP poisoning

Answer: A

NEW QUESTION 152
A company's Chief Information Office (CIO) is meeting with the Chief Information Security Officer (CISO) to plan some activities to enhance the skill levels of the company's developers. Which of the following would be MOST suitable for training the developers'?

A. A capture-the-flag competition
B. A phishing simulation
C. Physical security training
D. Baste awareness training

Answer: B

NEW QUESTION 157
After entering a username and password, and administrator must gesture on a touch screen. Which of the following demonstrates what the administrator is providing?

A. Multifactor authentication
B. Something you can do
C. Biometric
D. Two-factor authentication

Answer: D

NEW QUESTION 161
A cybersecurity manager has scheduled biannual meetings with the IT team and department leaders to discuss how they would respond to hypothetical cyberattacks. During these meetings, the manager presents a scenario and injects additional information throughout the session to replicate what might occur in a dynamic cybersecurity event involving the company, its facilities, its data, and its staff. Which of the following describes what the manager is doing?

A. Developing an incident response plan
B. Building a disaster recovery plan
C. Conducting a tabletop exercise
D. Running a simulation exercise

Answer: C

NEW QUESTION 165
A security administrator suspects an employee has been emailing proprietary information to a competitor. Company policy requires the administrator to capture an exact copy of the employee's hard disk. Which of the following should the administrator use?

A. dd
B. chmod
C. dnsenum
D. logger

Answer: A

NEW QUESTION 166
A security analyst receives a SIEM alert that someone logged in to the appadmin test account, which is only used for the early detection of attacks. The security analyst then reviews the following application log:

```
...
[03/06/20xx:17:20:18] system 127.0.0.1 FindXPath=//User[Username/text()='foo' or 7=7 or 'o'='o' And Password/text='bar']
[03/06/20xx:17:21:18] appadmin 194.28.114.102 action:login result:success
[03/06/20xx:17:22:18] appadmin 194.28.114.102 action:open.account(12345) result:fail
[03/06/20xx:17:23:18] appadmin 194.28.114.102 action:open.account(23456) result:fail
[03/06/20xx:17:23:18] appadmin 194.28.114.102 action:open.account(23456) result:fail
[03/06/20xx:17:23:18] appadmin 194.28.114.102 action:open.account(45678) result:fail
```

Which of the following can the security analyst conclude?

A. A replay attack is being conducted against the application.
B. An injection attack is being conducted against a user authentication system.
C. A service account password may have been changed, resulting in continuous failed logins within the application.
D. A credentialed vulnerability scanner attack is testing several CVEs against the application.

Answer: C

NEW QUESTION 168
Which of the following policies would help an organization identify and mitigate potential single points of failure in the company's IT/security operations?

A. Least privilege
B. Awareness training
C. Separation of duties

D. Mandatory vacation

Answer: C

NEW QUESTION 171
A Chief Executive Officer's (CEO) personal information was stolen in a social engineering attack. Which of the following sources would reveal if the CEO's personal information is for sale?

A. Automated information sharing
B. Open-source intelligence
C. The dark web
D. Vulnerability databases

Answer: C

NEW QUESTION 173
A company needs to centralize its logs to create a baseline and have visibility on its security events. Which of the following technologies will accomplish this objective?

A. Security information and event management
B. A web application firewall
C. A vulnerability scanner
D. A next-generation firewall

Answer: A

NEW QUESTION 175
Employees are having issues accessing the company's website. Some employees report very slow performance, while others cannot the website at all. The web and security administrators search the logs and find millions of half-open connections to port 443 on the web server. Further analysis reveals thousands of different source IPs initiating this traffic. Which of the following attacks is MOST likely occurring?

A. DDoS
B. Man-in-the-middle
C. MAC flooding
D. Domain hijacking

Answer: A

NEW QUESTION 180
A cybersecurity administrator needs to add disk redundancy for a critical server. The solution must have a two- drive failure for better fault tolerance. Which of the following RAID levels should the administrator select?

A. 1
B. 5
C. 6

Answer: B

NEW QUESTION 182
Which of the following technical controls is BEST suited for the detection and prevention of buffer overflows on hosts?

A. DLP
B. HIDS
C. EDR
D. NIPS

Answer: C

NEW QUESTION 187
Which of the following incident response steps involves actions to protect critical systems while maintaining business operations?

A. Investigation
B. Containment
C. Recovery
D. Lessons learned

Answer: B

NEW QUESTION 188
A security analyst is reviewing a new website that will soon be made publicly available. The analyst sees the following in the URL:
http://dev-site.comptia.org/home/show.php?sessionID=77276554&loc=us
The analyst then sends an internal user a link to the new website for testing purposes, and when the user clicks the link, the analyst is able to browse the website with the following URL:
http://dev-site.comptia.org/home/show.php?sessionID=98988475&loc=us Which of the following application attacks is being tested?

A. Pass-the-hash
B. Session replay
C. Object deference
D. Cross-site request forgery

Answer: B

NEW QUESTION 189
A company is launching a new internet platform for its clients. The company does not want to implement its own authorization solution but instead wants to rely on the authorization provided by another platform. Which of the following is the BEST approach to implement the desired solution?

A. OAuth
B. TACACS+
C. SAML
D. RADIUS

Answer: D

NEW QUESTION 191
Local guidelines require that all information systems meet a minimum-security baseline to be compliant. Which of the following can security administrators use to assess their system configurations against the baseline?

A. SOAR playbook
B. Security control matrix
C. Risk management framework
D. Benchmarks

Answer: D

NEW QUESTION 192
In which of the following common use cases would steganography be employed?

A. Obfuscation
B. Integrity
C. Non-repudiation
D. Blockchain

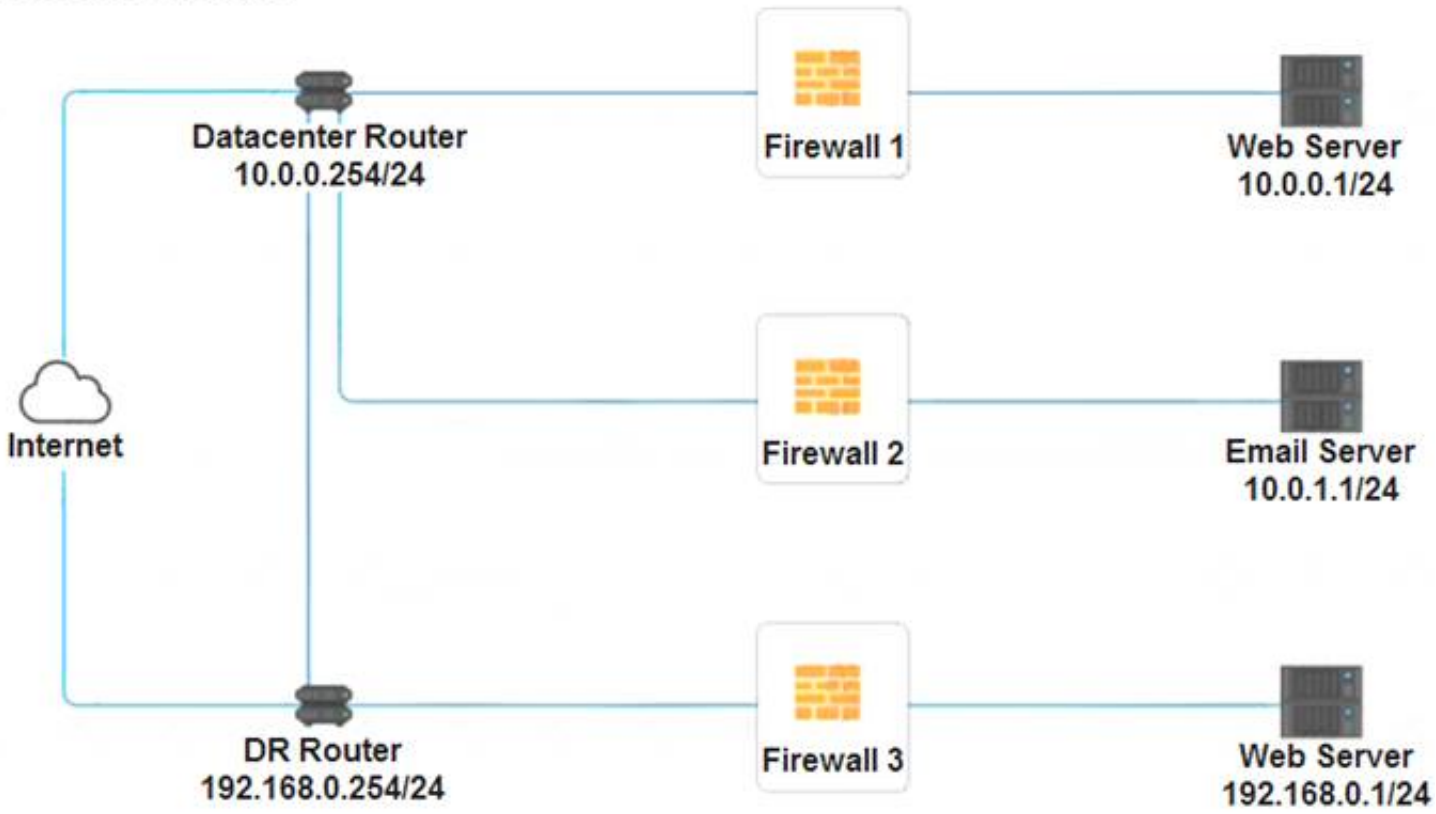
Answer: A

NEW QUESTION 194
A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites. INSTRUCTIONS
Click on each firewall to do the following:

- Deny cleartext web traffic.
- Ensure secure management protocols are used.
- Resolve issues at the DR site.

The ruleset order cannot be modified due to outside constraints.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Network Diagram



Firewall 1

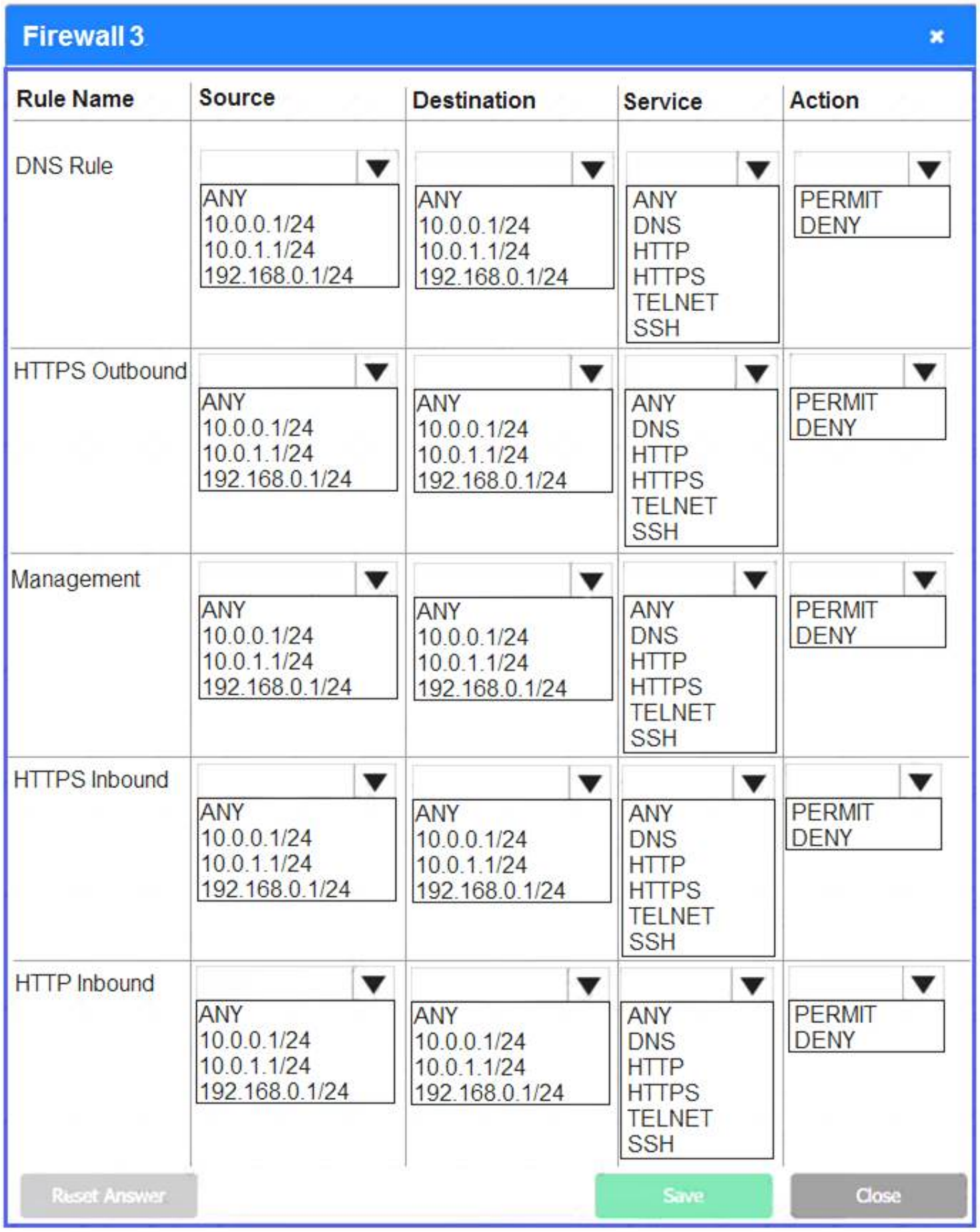
Rule Name	Source	Destination	Service	Action
DNS Rule	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTPS Outbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
Management	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTPS Inbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTP Inbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY

Reset Answer | Save | Close

Firewall 2

Rule Name	Source	Destination	Service	Action
DNS Rule	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTPS Outbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
Management	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTPS Inbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTP Inbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY

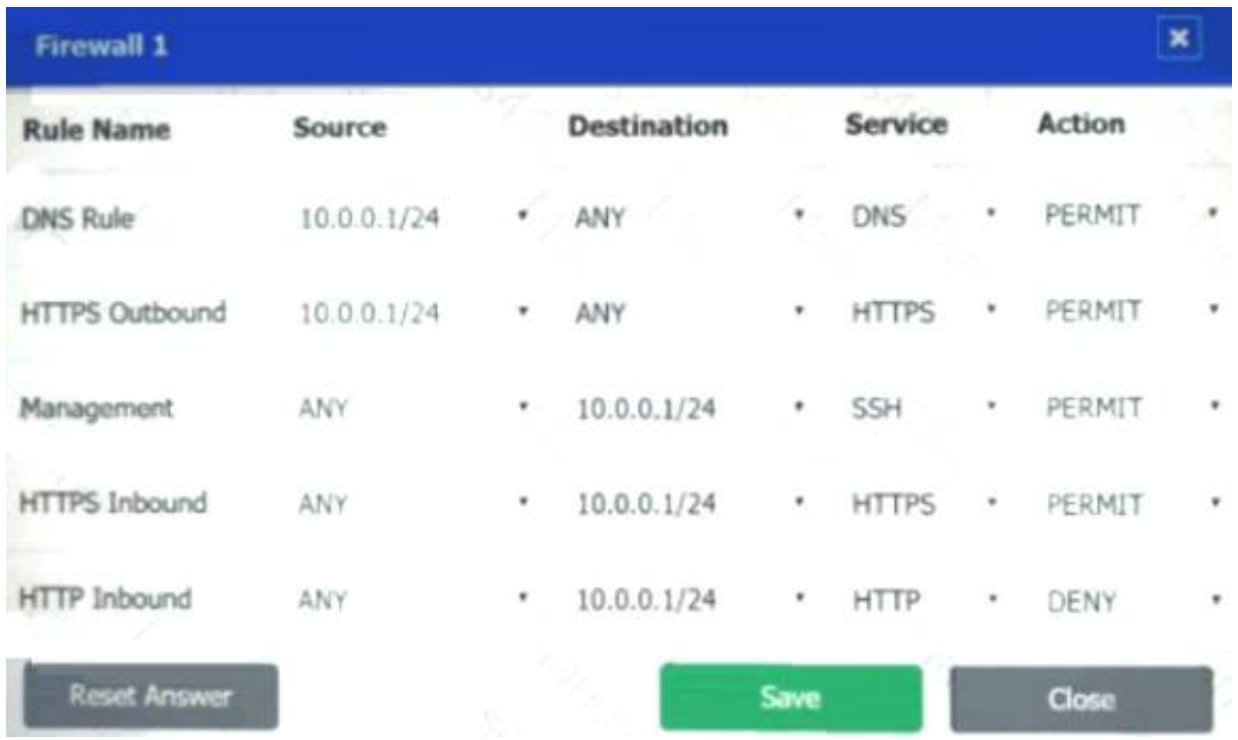
Reset Answer | Save | Close

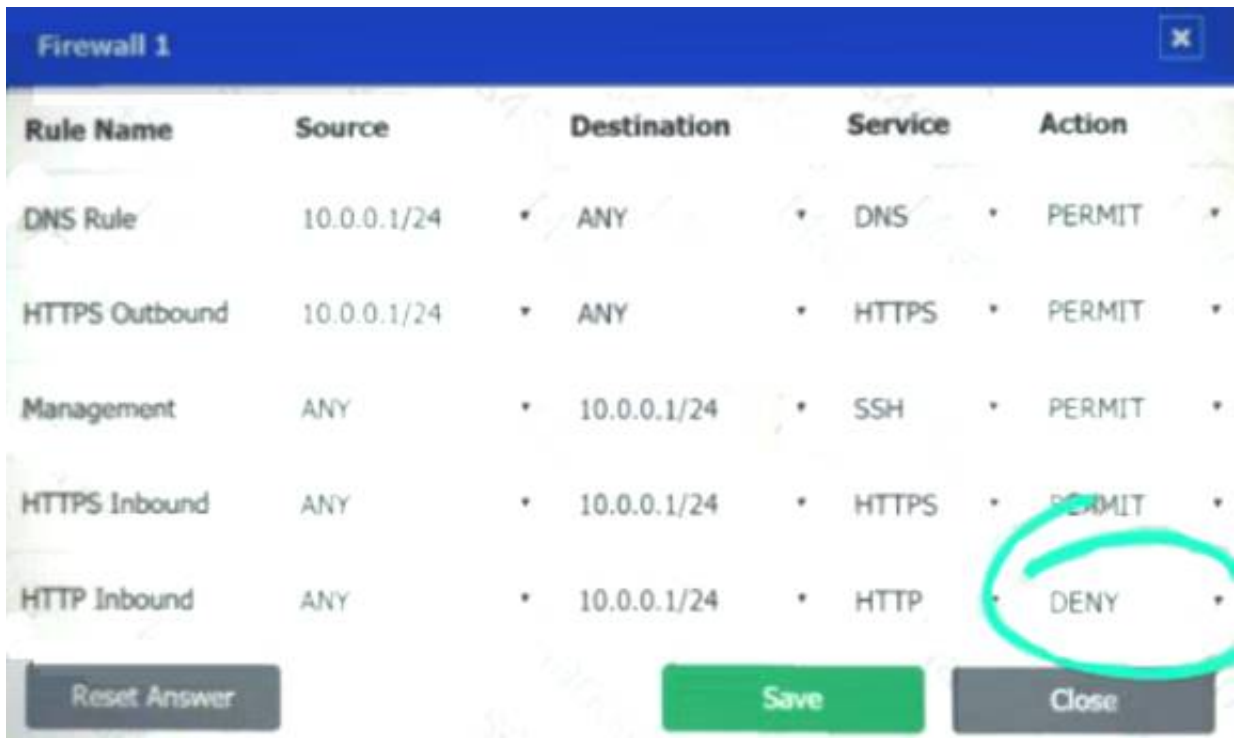


A.

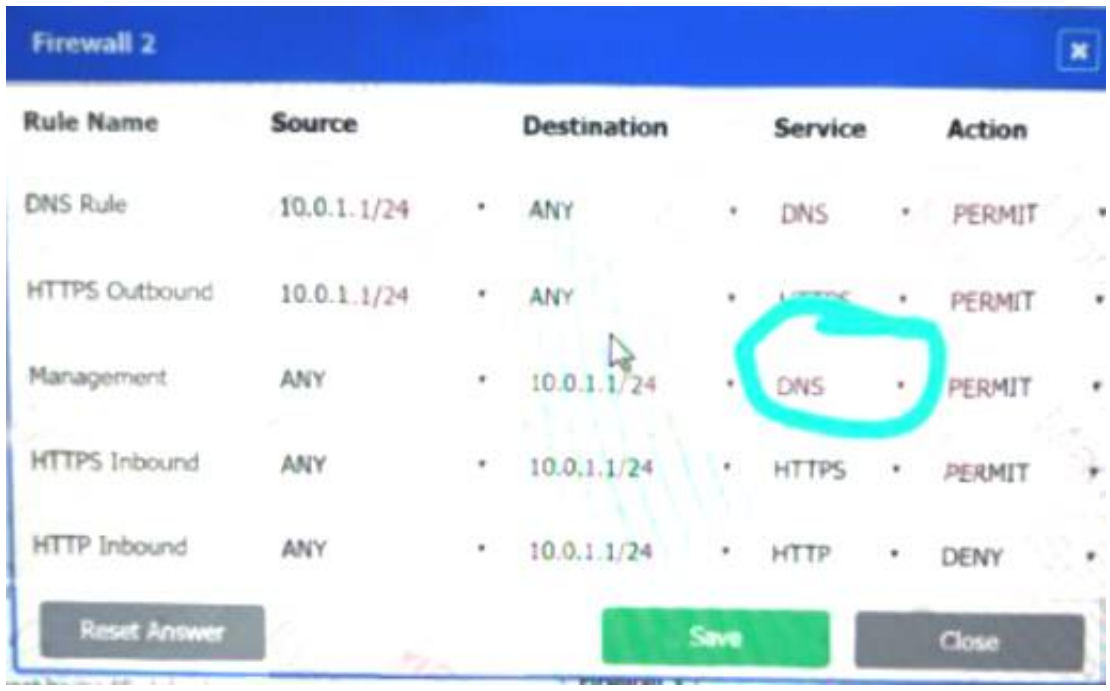
Answer: A

Explanation:
See explanation below.
Explanation
Firewall 1:

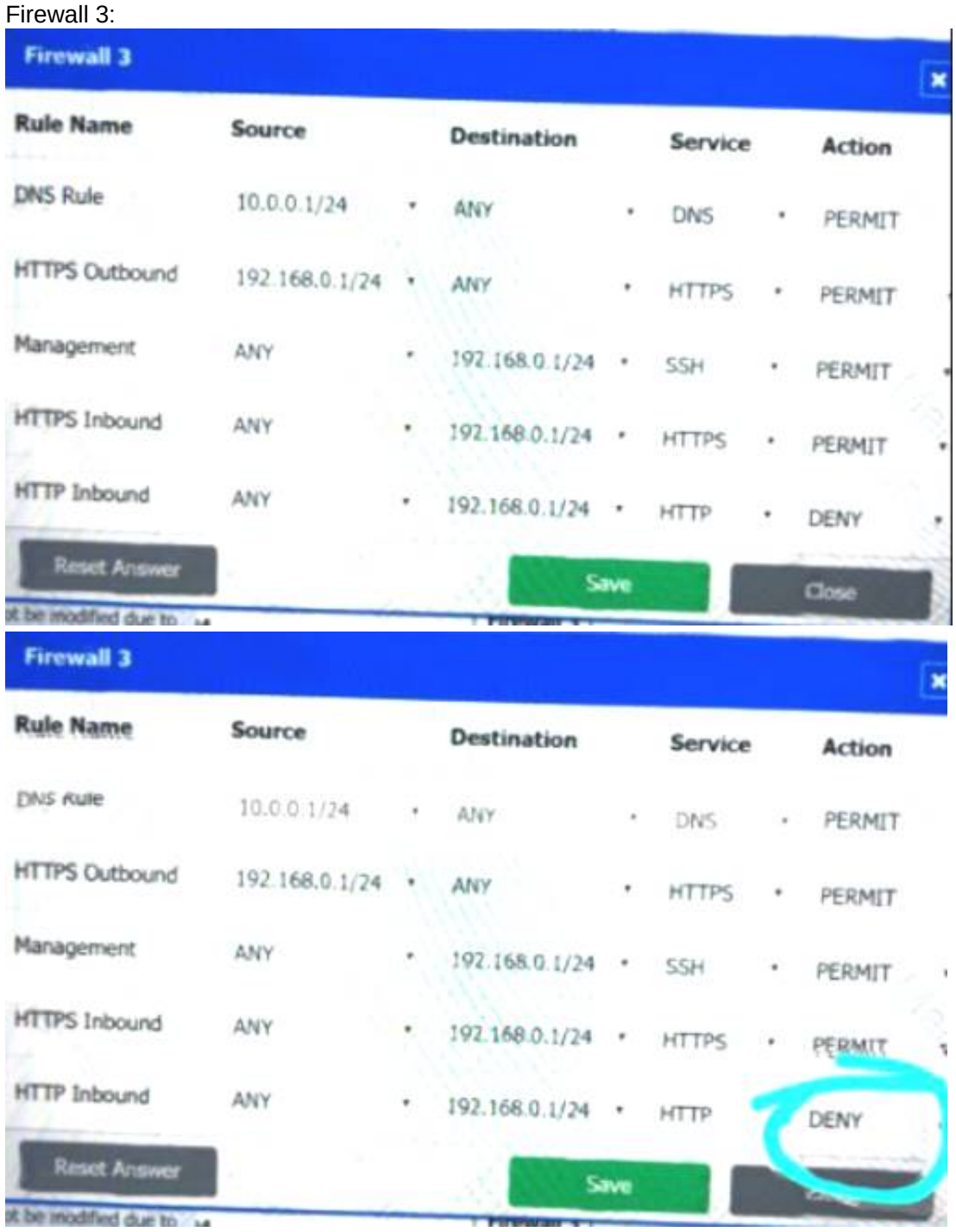




DNS Rule – ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound – 10.0.0.1/24 --> ANY --> HTTPS --> PERMIT Management – ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound – ANY --> ANY --> HTTPS --> PERMIT HTTP Inbound – ANY --> ANY --> HTTP --> DENY
Firewall 2:



Firewall 3:



DNS Rule – ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound – 192.168.0.1/24 --> ANY --> HTTPS --> PERMIT Management – ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound – ANY --> ANY --> HTTPS --> PERMIT HTTP Inbound – ANY --> ANY --> HTTP --> DENY

NEW QUESTION 195
An organization has decided to host its web application and database in the cloud Which of the following BEST describes the security concerns for this decision?

A. Access to the organization's servers could be exposed to other cloud-provider clients
B. The cloud vendor is a new attack vector within the supply chain
C. Outsourcing the code development adds risk to the cloud provider
D. Vendor support will cease when the hosting platforms reach EOL.

Answer: B

NEW QUESTION 196
A software developer needs to perform code-execution testing, black-box testing, and non-functional testing on a new product before its general release. Which of the following BEST describes the tasks the developer is conducting?

A. Verification
B. Validation

C. Normalization
D. Staging

Answer: A

NEW QUESTION 199
Which of the following provides the BEST protection for sensitive information and data stored in cloud-based services but still allows for full functionality and searchability of data within the cloud-based services?

A. Data encryption
B. Data masking
C. Anonymization
D. Tokenization

Answer: A

NEW QUESTION 203
The Chief Security Officer (CSO) at a major hospital wants to implement SSO to help improve in the environment patient data, particularly at shared terminals. The Chief Risk Officer (CRO) is concerned that training and guidance have been provided to frontline staff, and a risk analysis has not been performed. Which of the following is the MOST likely cause of the CRO's concerns?

A. SSO would simplify username and password management, making it easier for hackers to pass guess accounts.
B. SSO would reduce password fatigue, but staff would still need to remember more complex passwords.
C. SSO would reduce the password complexity for frontline staff.
D. SSO would reduce the resilience and availability of system if the provider goes offline.

Answer: D

NEW QUESTION 207
An organization has implemented a policy requiring the use of conductive metal lockboxes for personal electronic devices outside of a secure research lab. Which of the following did the organization determine to be the GREATEST risk to intellectual property when creating this policy?

A. The theft of portable electronic devices
B. Geotagging in the metadata of images
C. Bluesnarfing of mobile devices
D. Data exfiltration over a mobile hotspot

Answer: D

NEW QUESTION 211
After reading a security bulletin, a network security manager is concerned that a malicious actor may have breached the network using the same software flaw. The exploit code is publicly available and has been reported as being used against other industries in the same vertical. Which of the following should the network security manager consult FIRST to determine a priority list for forensic review?

A. The vulnerability scan output
B. The IDS logs
C. The full packet capture data
D. The SIEM alerts

Answer: A

NEW QUESTION 213
A retail executive recently accepted a job with a major competitor. The following week, a security analyst reviews the security logs and identifies successful logon attempts to access the departed executive's accounts. Which of the following security practices would have addressed the issue?

A. A non-disclosure agreement
B. Least privilege
C. An acceptable use policy
D. Ofboarding

Answer: D

NEW QUESTION 216
A company recently moved sensitive videos between on-premises. Company-owned websites. The company then learned the videos had been uploaded and shared to the internet. Which of the following would MOST likely allow the company to find the cause?

A. Checksums
B. Watermarks
C. Oder of volatility
D. A log analysis
E. A right-to-audit clause

Answer: D

NEW QUESTION 217

An incident response technician collected a mobile device during an investigation. Which of the following should the technician do to maintain chain of custody?

A. Document the collection and require a sign-off when possession changes.
B. Lock the device in a safe or other secure location to prevent theft or alteration.
C. Place the device in a Faraday cage to prevent corruption of the data.
D. Record the collection in a blockchain-protected public ledger.

Answer: A

NEW QUESTION 220
An organization just experienced a major cyberattack modem. The attack was well coordinated sophisticated and highly skilled. Which of the following targeted the organization?

A. Shadow IT
B. An insider threat
C. A hacktivist
D. An advanced persistent threat

Answer: D

NEW QUESTION 221
The Chief Financial Officer (CFO) of an insurance company received an email from Ann, the company's Chief Executive Officer (CEO), requesting a transfer of $10,000 to an account. The email states Ann is on vacation and has lost her purse, containing cash and credit cards. Which of the following social-engineering techniques is the attacker using?

A. Phishing
B. Whaling
C. Typo squatting
D. Pharming

Answer: B

NEW QUESTION 224
A company recently transitioned to a strictly BYOD culture due to the cost of replacing lost or damaged corporate-owned mobile devices. Which of the following technologies would be BEST to balance the BYOD culture while also protecting the company's data?

A. Containerization
B. Geofencing
C. Full-disk encryption
D. Remote wipe

Answer: C

NEW QUESTION 226
A security administrator needs to create a RAIS configuration that is focused on high read speeds and fault tolerance. It is unlikely that multiple drivers will fail simultaneously. Which of the following RAID configurations should the administration use?

A. RA1D 0
B. RAID1
C. RAID 5
D. RAID 10

Answer: C

NEW QUESTION 229
Which of the following BEST describes a security exploit for which a vendor patch is not readily available?

A. Integer overflow
B. Zero-day
C. End of life
D. Race condition

Answer: B

NEW QUESTION 230
An analyst needs to identify the applications a user was running and the files that were open before the user's computer was shut off by holding down the power button. Which of the following would MOST likely contain that information?

A. NGFW
B. Pagefile
C. NetFlow
D. RAM

Answer: C

NEW QUESTION 231

Which of the following types of controls is a turnstile?

A. Physical
B. Detective
C. Corrective
D. Technical

Answer: A

NEW QUESTION 234
A company has determined that if its computer-based manufacturing is not functioning for 12 consecutive hours, it will lose more money that it costs to maintain the equipment. Which of the following must be less than 12 hours to maintain a positive total cost of ownership?

A. MTBF
B. RPO
C. RTO
D. MTTR

Answer: C

NEW QUESTION 235
An organization is developing a plan in the event of a complete loss of critical systems and data. Which of the following plans is the organization MOST likely developing?

A. Incident response
B. Communications
C. Disaster recovery
D. Data retention

Answer: C

NEW QUESTION 237
A user recently attended an exposition and received some digital promotional materials The user later noticed blue boxes popping up and disappearing on the computer, and reported receiving several spam emails, which the user did not open Which of the following is MOST likely the cause of the reported issue?

A. There was a drive-by download of malware
B. The user installed a cryptominer
C. The OS was corrupted
D. There was malicious code on the USB drive

Answer: D

NEW QUESTION 238
An organization hired a consultant to assist with an active attack, and the consultant was able to identify the compromised accounts and computers. Which of the following is the consultant MOST likely to recommend to prepare for eradication?

A. Quarantining the compromised accounts and computers, only providing them with network access
B. Segmenting the compromised accounts and computers into a honeynet so as to not alert the attackers.
C. Isolating the compromised accounts and computers, cutting off all network and internet access.
D. Logging off and deleting the compromised accounts and computers to eliminate attacker access.

Answer: B

NEW QUESTION 243
Under GDPR, which of the following is MOST responsible for the protection of privacy and website user rights?

A. The data protection officer
B. The data processor
C. The data owner
D. The data controller

Answer: C

NEW QUESTION 245
A network engineer needs to create a plan for upgrading the wireless infrastructure in a large office Priority must be given to areas that are currently experiencing latency and connection issues. Which of the following would be the BEST resource for determining the order of priority?

A. Nmapn
B. Heat maps
C. Network diagrams
D. Wireshark

Answer: C

NEW QUESTION 250

A security analyst discovers that a company username and password database was posted on an internet forum. The username and passwords are stored in plan text. Which of the following would mitigate the damage done by this type of data exfiltration in the future?

A. Create DLP controls that prevent documents from leaving the network
B. Implement salting and hashing
C. Configure the web content filter to block access to the forum.
D. Increase password complexity requirements

Answer: A

NEW QUESTION 253
A company has drafted an insider-threat policy that prohibits the use of external storage devices. Which of the following would BEST protect the company from data exfiltration via removable media?

A. Monitoring large data transfer transactions in the firewall logs
B. Developing mandatory training to educate employees about the removable media policy
C. Implementing a group policy to block user access to system files
D. Blocking removable-media devices and write capabilities using a host-based security tool

Answer: D

NEW QUESTION 257
A security analyst is preparing a threat for an upcoming internal penetration test. The analyst needs to identify a method for determining the tactics, techniques, and procedures of a threat against the organization's network. Which of the following will the analyst MOST likely use to accomplish the objective?

A. A table exercise
B. NST CSF
C. MTRE ATT$CK
D. OWASP

Answer: A

NEW QUESTION 261
A company processes highly sensitive data and senior management wants to protect the sensitive data by utilizing classification labels. Which of the following access control schemes would be BEST for the company to implement?

A. Discretionary
B. Rule-based
C. Role-based
D. Mandatory

Answer: D

NEW QUESTION 263
A technician needs to prevent data loss in a laboratory. The laboratory is not connected to any external networks. Which of the following methods would BEST prevent the exfiltration of data? (Select TWO).

A. VPN
B. Drive encryption
C. Network firewall
D. File level encryption
E. USB blocker
F. MFA

Answer: BE

NEW QUESTION 268
A smart switch has the ability to monitor electrical levels and shut off power to a building in the event of power surge or other fault situation. The switch was installed on a wired network in a hospital and is monitored by the facilities department via a cloud application. The security administrator isolated the switch on a separate VLAN and set up a patch routine. Which of the following steps should also be taken to harden the smart switch?

A. Set up an air gap for the switch.
B. Change the default password for the switch.
C. Place the switch In a Faraday cage.
D. Install a cable lock on the switch

Answer: B

NEW QUESTION 270
A pharmaceutical sales representative logs on to a laptop and connects to the public WiFi to check emails and update reports. Which of the following would be BEST to prevent other devices on the network from directly accessing the laptop? (Choose two.)

A. Trusted Platform Module
B. A host-based firewall
C. A DLP solution
D. Full disk encryption
E. A VPN

F. Antivirus software

Answer: AB

NEW QUESTION 271
An engineer wants to access sensitive data from a corporate-owned mobile device. Personal data is not allowed on the device. Which of the following MDM configurations must be considered when the engineer travels for business?

A. Screen locks
B. Application management
C. Geofencing
D. Containerization

Answer: D

NEW QUESTION 275
An end user reports a computer has been acting slower than normal for a few weeks. During an investigation, an analyst determines the system is sending the user's email address and a ten-digit number to an IP address once a day. The only recent log entry regarding the user's computer is the following:

```
Time: 06:32:29 UTC
Event Description: This file meets the ML algorithm's medium-confidence threshold.
Process Blocked: False
File Quarantined: False
Operating System: Windows 10
File Name: \Device\HarddiskVolume4\Users\jdoe\AppData\Local\Microsoft\Windows\INetCache\IE\pdftodocx.msi
Connection Details: 35.242.219.204:80
```

Which of the following is the MOST likely cause of the issue?

A. The end user purchased and installed a PUP from a web browser
B. A bot on the computer is brute forcing passwords against a website
C. A hacker is attempting to exfiltrate sensitive data
D. Ransomware is communicating with a command-and-control server.

Answer: A

NEW QUESTION 279
Which of the following ISO standards is certified for privacy?

A. ISO 9001
B. ISO 27002
C. ISO 27701
D. ISO 31000

Answer: C

NEW QUESTION 283
A security analyst is performing a forensic investigation compromised account credentials. Using the Event Viewer, the analyst able to detect the following message, ''Special privileges assigned to new login.'' Several of these messages did not have a valid logon associated with the user before these privileges were assigned. Which of the following attacks is MOST likely being detected?

A. Pass-the-hash
B. Buffer overflow
C. Cross-site scripting
D. Session replay

Answer: A

NEW QUESTION 288
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