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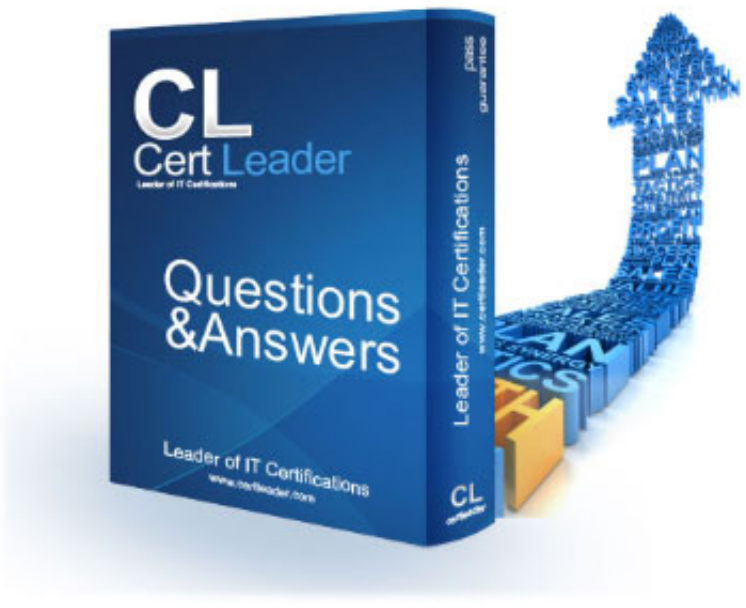


NEW QUESTION 1
A security analyst needs to make a recommendation for restricting access to certain segments of the network using only data-link layer security. Which of the following controls will the analyst MOST likely recommend?

A. MAC
B. ACL
C. BPDU
D. ARP

Answer: A

NEW QUESTION 2
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 3
Which of the following control sets should a well-written BCP include? (Select THREE)

A. Preventive
B. Detective
C. Deterrent
D. Corrective
E. Compensating
F. Physical
G. Recovery

Answer: ADG

NEW QUESTION 4
A user recent an SMS on a mobile phone that asked for bank delays. Which of the following social-engineering techniques was used in this case?

A. SPIM
B. Vishing
C. Spear phishing
D. Smishing

Answer: D

NEW QUESTION 5
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 6
A critical file server is being upgraded and the systems administrator must determine which RAID level the new server will need to achieve parity and handle two simultaneous disk failures. Which of the following RAID levels meets this requirements?

A. RAID 0+1
B. RAID 2
C. RAID 5
D. RAID 6

Answer: C

NEW QUESTION 7
A small company that does not have security staff wants to improve its security posture. Which of the following would BEST assist the company?

A. MSSP
B. SOAR
C. IaaS
D. PaaS

Answer:

B

NEW QUESTION 8
A user contacts the help desk to report the following:

- Two days ago, a pop-up browser window prompted the user for a name and password after connecting to the corporate wireless SSID. This had never happened before, but the user entered the information as requested.
- The user was able to access the Internet but had trouble accessing the department share until the next day.
- The user is now getting notifications from the bank about unauthorized transactions. Which of the following attack vectors was MOST likely used in this scenario?

A. Rogue access point
B. Evil twin
C. DNS poisoning
D. ARP poisoning

Answer: A

NEW QUESTION 9
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 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
A large industrial system's smart generator monitors the system status and sends alerts to third-party maintenance personnel when critical failures occur. While reviewing the network logs the company's security manager notices the generator's IP is sending packets to an internal file server's IP. Which of the following mitigations would be BEST for the security manager to implement while maintaining alerting capabilities?

A. Segmentation
B. Firewall whitelisting
C. Containment
D. isolation

Answer: A

NEW QUESTION 16
A security analyst is reviewing the following attack log output:

```
user comptia\john.smith attempted login with the password password123
user comptia\jane.doe attempted login with the password password123
user comptia\user.one attempted login with the password password123
user comptia\user.two attempted login with the password password123
user comptia\user.three attempted login with the password password123

user comptia\john.smith attempted login with the password password234
user comptia\jane.doe attempted login with the password password234
user comptia\user.one attempted login with the password password234
user comptia\user.two attempted login with the password password234
user comptia\user.three attempted login with the password password234
```

Which of the following types of attacks does this MOST likely represent?

A. Rainbow table
B. Brute-force
C. Password-spraying
D. Dictionary

Answer: C

NEW QUESTION 18
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 23
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 27
A malicious actor recently penetration a company's network and moved laterally to the datacenter. Upon investigation, a forensics firm wants to know was in the memory on the compromised server. Which of the following files should be given to the forensics firm?

A. Security
B. Application
C. Dump
D. Syslog

Answer: C

NEW QUESTION 31
A network engineer is troubleshooting wireless network connectivity issues that were reported by users. The issues are occurring only in the section of the building that is closest to the parking lot. Users are intermittently experiencing slow speeds when accessing websites and are unable to connect to network drives. The issues appear to increase when laptop users return desks after using their devices in other areas of the building. There have also been reports of users being required to enter their credentials on web pages in order to gain access to them. Which of the following is the MOST likely cause of this issue?

A. An external access point is engaging in an evil-twin attack.
B. The signal on the WAP needs to be increased in that section of the building.
C. The certificates have expired on the devices and need to be reinstalled.
D. The users in that section of the building are on a VLAN that is being blocked by the firewall.

Answer: A

NEW QUESTION 36
A security administrator currently spends a large amount of time on common security tasks, such aa report generation, phishing investigations, and user provisioning and deprovisioning This prevents the administrator from spending time on other security projects. The business does not have the budget to add more staff members. Which of the following should the administrator implement?

A. DAC
B. ABAC
C. SCAP
D. SOAR

Answer: D

NEW QUESTION 38
A remote user recently took a two-week vacation abroad and brought along a corporate-owned laptop. Upon returning to work, the user has been unable to connect the laptop to the VPN. Which of the following is the MOST likely reason for the user's inability to connect the laptop to the VPN?

A. Due to foreign travel, the user's laptop was isolated from the network.
B. The user's laptop was quarantined because it missed the latest path update.
C. The VPN client was blacklisted.
D. The user's account was put on a legal hold.

Answer: A

NEW QUESTION 41
A security analyst has received an alert about being sent via email. The analyst's Chief information Security Officer (CISO) has made it clear that PII must be handle with extreme care From which of the following did the alert MOST likely originate?

A. S/MIME
B. DLP
C. IMAP
D. HIDS

Answer: B

NEW QUESTION 42
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 44
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 48
To secure an application after a large data breach, an e-commerce site will be resetting all users' credentials. Which of the following will BEST ensure the site's users are not compromised after the reset?

A. A password reuse policy
B. Account lockout after three failed attempts
C. Encrypted credentials in transit
D. A geofencing policy based on login history

Answer: C

NEW QUESTION 49
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 53
A document that appears to be malicious has been discovered in an email that was sent to a company's Chief Financial Officer (CFO). Which of the following would be BEST to allow a security analyst to gather information and confirm it is a malicious document without executing any code it may contain?

A. Open the document on an air-gapped network
B. View the document's metadata for origin clues
C. Search for matching file hashes on malware websites
D. Detonate the document in an analysis sandbox

Answer: D

NEW QUESTION 56
A network engineer has been asked to investigate why several wireless barcode scanners and wireless computers in a warehouse have intermittent connectivity to the shipping server. The barcode scanners and computers are all on forklift trucks and move around the warehouse during their regular use. Which of the following should the engineer do to determine the issue? (Choose two.)

A. Perform a site survey
B. Deploy an FTK Imager
C. Create a heat map
D. Scan for rogue access points
E. Upgrade the security protocols
F. Install a captive portal

Answer: AC

NEW QUESTION 57
To reduce costs and overhead, an organization wants to move from an on-premises email solution to a cloud-based email solution. At this time, no other services will be moving. Which of the following cloud models would BEST meet the needs of the organization?

A. MaaS
B. laaS
C. SaaS
D. PaaS

Answer: D

NEW QUESTION 58
A security analyst is looking for a solution to help communicate to the leadership team the seventy levels of the organization's vulnerabilities. Which of the following would BEST meet this need?

A. CVE
B. SIEM
C. SOAR
D. CVSS

Answer: D

NEW QUESTION 63
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 66
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 67
Which of the following should be put in place when negotiating with a new vendor about the timeliness of the response to a significant outage or incident?

A. MOU
B. MTTR
C. SLA
D. NDA

Answer: C

NEW QUESTION 72
Which of the following refers 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 75
A security audit has revealed that a process control terminal is vulnerable to malicious users installing and executing software on the system. The terminal is beyond end-of-life support and cannot be upgraded, so it is placed on a projected network segment. Which of the following would be MOST effective to implement to further mitigate the reported vulnerability?

A. DNS sinkholding
B. DLP rules on the terminal
C. An IP blacklist
D. Application whitelisting

Answer: D

NEW QUESTION 77
Which of the following describes the ability of code to target a hypervisor from inside

A. Fog computing
B. VM escape
C. Software-defined networking
D. Image forgery
E. Container breakout

Answer: B

NEW QUESTION 82
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 83
An auditor is performing an assessment of a security appliance with an embedded OS that was vulnerable during the last two assessments. Which of the following BEST explains the appliance's vulnerable state?

A. The system was configured with weak default security settings.
B. The device uses weak encryption ciphers.
C. The vendor has not supplied a patch for the appliance.
D. The appliance requires administrative credentials for the assessment.

Answer: C

NEW QUESTION 85
A development team employs a practice of bringing all the code changes from multiple team members into the same development project through automation. A tool is utilized to validate the code and track source code through version control. Which of the following BEST describes this process?

A. Continuous delivery
B. Continuous integration
C. Continuous validation
D. Continuous monitoring

Answer: B

NEW QUESTION 90
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 95

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 98
An organization's Chief Security Officer (CSO) wants to validate the business's involvement in the incident response plan to ensure its validity and thoroughness. Which of the following will the CSO MOST likely use?

A. An external security assessment
B. A bug bounty program
C. A tabletop exercise
D. A red-team engagement

Answer: C

NEW QUESTION 102
A RAT that was used to compromise an organization’s banking credentials was found on a user’s computer. The RAT evaded antivirus detection. It was installed by a user who has local administrator rights to the system as part of a remote management tool set. Which of the following recommendations would BEST prevent this from reoccurring?

A. Create a new acceptable use policy.
B. Segment the network into trusted and untrusted zones.
C. Enforce application whitelisting.
D. Implement DLP at the network boundary.

Answer: C

NEW QUESTION 105
A security analyst is using a recently released security advisory to review historical logs, looking for the specific activity that was outlined in the advisory. Which of the following is the analyst doing?

A. A packet capture
B. A user behavior analysis
C. Threat hunting
D. Credentialed vulnerability scanning

Answer: C

NEW QUESTION 109
Which of the following would be BEST to establish between organizations to define the responsibilities of each party outline the key deliverables and include monetary penalties for breaches to manage third-party risk?

A. An ARO
B. An MOU
C. An SLA
D. A BPA

Answer: B

NEW QUESTION 114
Which of the following algorithms has the SMALLEST key size?

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

Answer: B

NEW QUESTION 116
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 117
Which of the following scenarios BEST describes a risk reduction technique?

A. A security control objective cannot be met through a technical change, so the company purchases insurance and is no longer concerned about losses from data breaches.
B. A security control objective cannot be met through a technical change, so the company implements a policy to train users on a more secure method of operation.
C. A security control objective cannot be met through a technical change, so the company changes as method of operation
D. A security control objective cannot be met through a technical change, so the Chief Information Officer (CIO) decides to sign off on the risk.

Answer: B

NEW QUESTION 122
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 124
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 128
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 129
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 134
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 136
A network administrator has been asked to design a solution to improve a company's security posture The administrator is given the following, requirements?
• The solution must be inline in the network
• The solution must be able to block known malicious traffic
• The solution must be able to stop network-based attacks
Which of the following should the network administrator implement to BEST meet these requirements?

A. HIDS
B. NIDS
C. HIPS
D. NIPS

Answer: D

NEW QUESTION 137
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 141
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 143
A host was infected with malware. During the incident response, Joe, a user, reported that he did not receive any emails with links, but he had been browsing the Internet all day. Which of the following would MOST likely show where the malware originated?

A. The DNS logs
B. The web server logs
C. The SIP traffic logs
D. The SNMP logs

Answer: A

NEW QUESTION 146
A security administrator suspects there may be unnecessary services running on a server. Which of the following tools will the administrator MOST likely use to confirm the suspicions?

A. Nmap
B. Wireshark
C. Autopsy
D. DNSEnum

Answer: A

NEW QUESTION 149
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 152

The manager who is responsible for a data set has asked a security engineer to apply encryption to the data on a hard disk. The security engineer is an example of a:

A. data controller.
B. data owner
C. data custodian.
D. data processor

Answer: D

NEW QUESTION 155
An organization has been experiencing outages during holiday sales and needs to ensure availability of its point-of-sale systems The IT administrator has been asked to improve both server-data fault tolerance and site availability under high consumer load Which of the following are the BEST options to accomplish this objective'? (Select TWO)

A. Load balancing
B. Incremental backups
C. UPS
D. RAID
E. Dual power supply
F. NIC teaming

Answer: AD

NEW QUESTION 160
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 163
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 167
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 169
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 174
A cybersecurity analyst needs to implement secure authentication to third-party websites without users’ passwords. Which of the following would be the BEST way to achieve this objective?

A. OAuth
B. SSO
C. SAML
D. PAP

Answer: C

NEW QUESTION 175
A network administrator has been alerted that web pages are experiencing long load times. After determining it is not a routing or DNS issue, the administrator logs in to the router, runs a command, and receives the following output:

```
CPU 0 percent busy, from 300 sec ago
1 sec ave: 99 percent busy
5 sec ave: 97 percent busy
1 min ave: 83 percent busy
```

Which of the following is the router experiencing?

A. DDoS attack
B. Memory leak
C. Buffer overflow
D. Resource exhaustion

Answer: D

NEW QUESTION 176
A nuclear plant was the victim of a recent attack, and all the networks were air gapped. A subsequent investigation revealed a worm as the source of the issue. Which of the following BEST explains what happened?

A. A malicious USB was introduced by an unsuspecting employee.
B. The ICS firmware was outdated
C. A local machine has a RAT installed.
D. The HVAC was connected to the maintenance vendor.

Answer: A

NEW QUESTION 177
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] appacmin 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 178
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 182
A network administrator has been asked to install an IDS to improve the security posture of an organization. Which of the following control types is an IDS?

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

Answer: C

NEW QUESTION 187
A security modern may have occurred on the desktop PC of an organization's Chief Executive Officer (CEO) A duplicate copy of the CEO's hard drive must be stored securely to ensure appropriate forensic processes and the chain of custody are followed. Which of the following should be performed to accomplish this task?

A. Install a new hard drive in the CEO's PC, and then remove the old hard drive and place it in a tamper-evident bag

B. Connect a write blocker to the hard drive Then leveraging a forensic workstation, utilize the dd command m a live Linux environment to create a duplicate copy
C. Remove the CEO's hard drive from the PC, connect to the forensic workstation, and copy all the contents onto a remote fileshare while the CEO watches
D. Refrain from completing a forensic analysts of the CEO's hard drive until after the incident is confirmed, duplicating the hard drive at this stage could destroy evidence

Answer: D

NEW QUESTION 192
A network engineer notices the VPN concentrator overloaded and crashes on days when there are a lot of remote workers. Senior management has placed greater importance on the availability of VPN resources for the remote workers than the security of the end users' traffic. Which of the following would be BEST to solve this issue?

A. iPSec
B. Always On
C. Split tunneling
D. L2TP

Answer: B

NEW QUESTION 194
Which of the following would be the BEST method for creating a detailed diagram of wireless access points and hot-spots?

A. Footprinting
B. White-box testing
C. A drone/UAV
D. Pivoting

Answer: A

NEW QUESTION 197
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 199
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 200
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

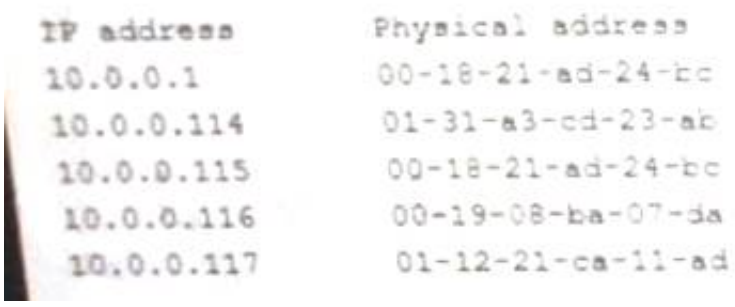
Answer: D

NEW QUESTION 201
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 204
A security analyst is investigation an incident that was first reported as an issue connecting to network shares and the internet, While reviewing logs and tool output, the analyst sees the following:



IP address	Physical address
10.0.0.1	00-18-21-ad-24-bc
10.0.0.114	01-31-a3-cd-23-ab
10.0.0.115	00-18-21-ad-24-bc
10.0.0.116	00-19-08-ba-07-da
10.0.0.117	01-12-21-ca-11-ad

Which of the following attacks has occurred?

A. IP conflict
B. Pass-the-hash
C. MAC flooding
D. Directory traversal
E. ARP poisoning

Answer: E

NEW QUESTION 207
Which of the following are requirements that must be configured for PCI DSS compliance? (Select TWO).

A. Testing security systems and processes regularly
B. Installing and maintaining a web proxy to protect cardholder data
C. Assigning a unique ID to each person with computer access
D. Encrypting transmission of cardholder data across private networks
E. Benchmarking security awareness training for contractors
F. Using vendor-supplied default passwords for system passwords

Answer: BD

NEW QUESTION 209
Which of the following cloud models provides clients with servers, storage, and networks but nothing else?

A. SaaS
B. PaaS
C. IaaS
D. DaaS

Answer: C

NEW QUESTION 212
The IT department's on-site developer has been with the team for many years. Each time an application is released, the security team is able to identify multiple vulnerabilities. Which of the following would BEST help the team ensure the application is ready to be released to production?

A. Limit the use of third-party libraries.
B. Prevent data exposure queries.
C. Obfuscate the source code.
D. Submit the application to QA before releasing it.

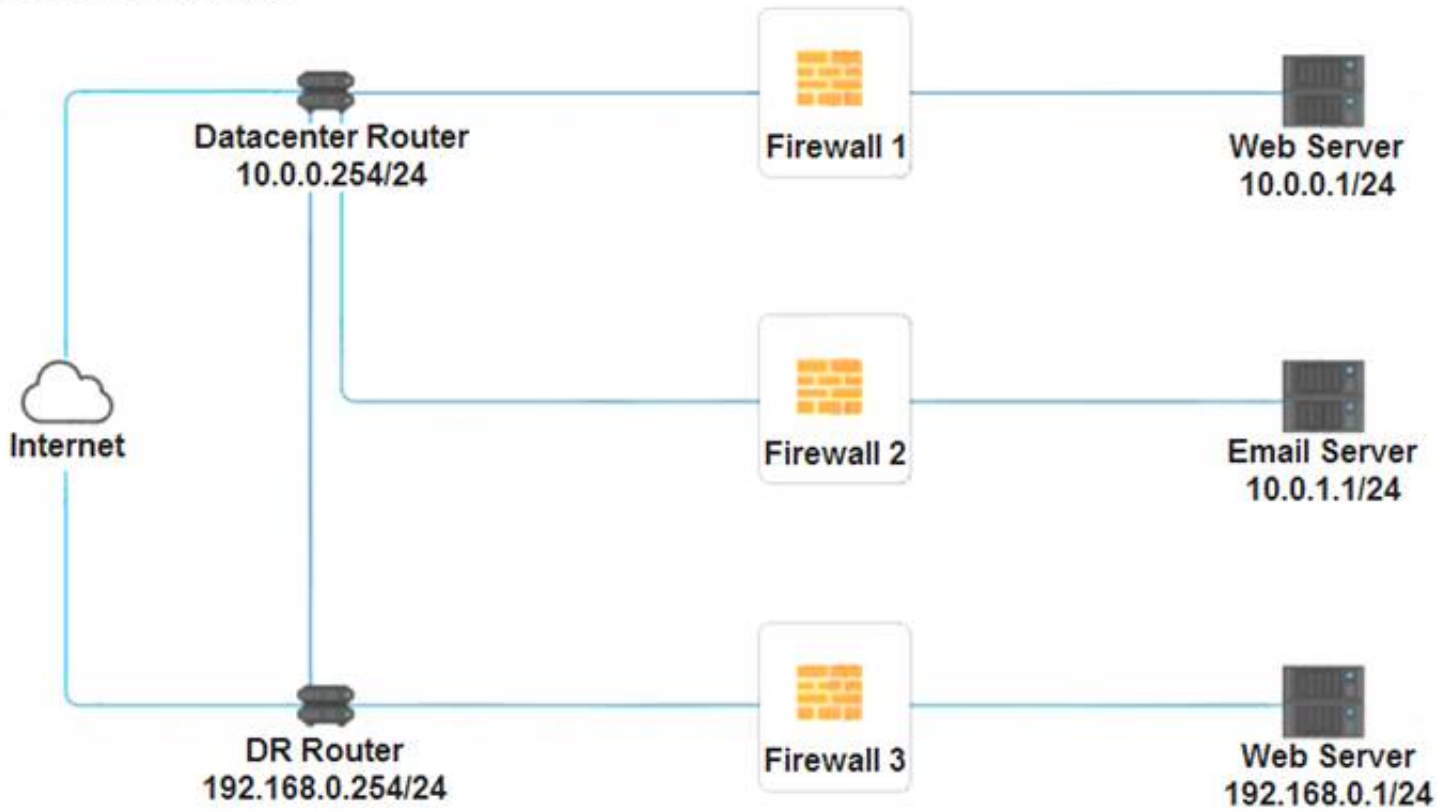
Answer: D

NEW QUESTION 214
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

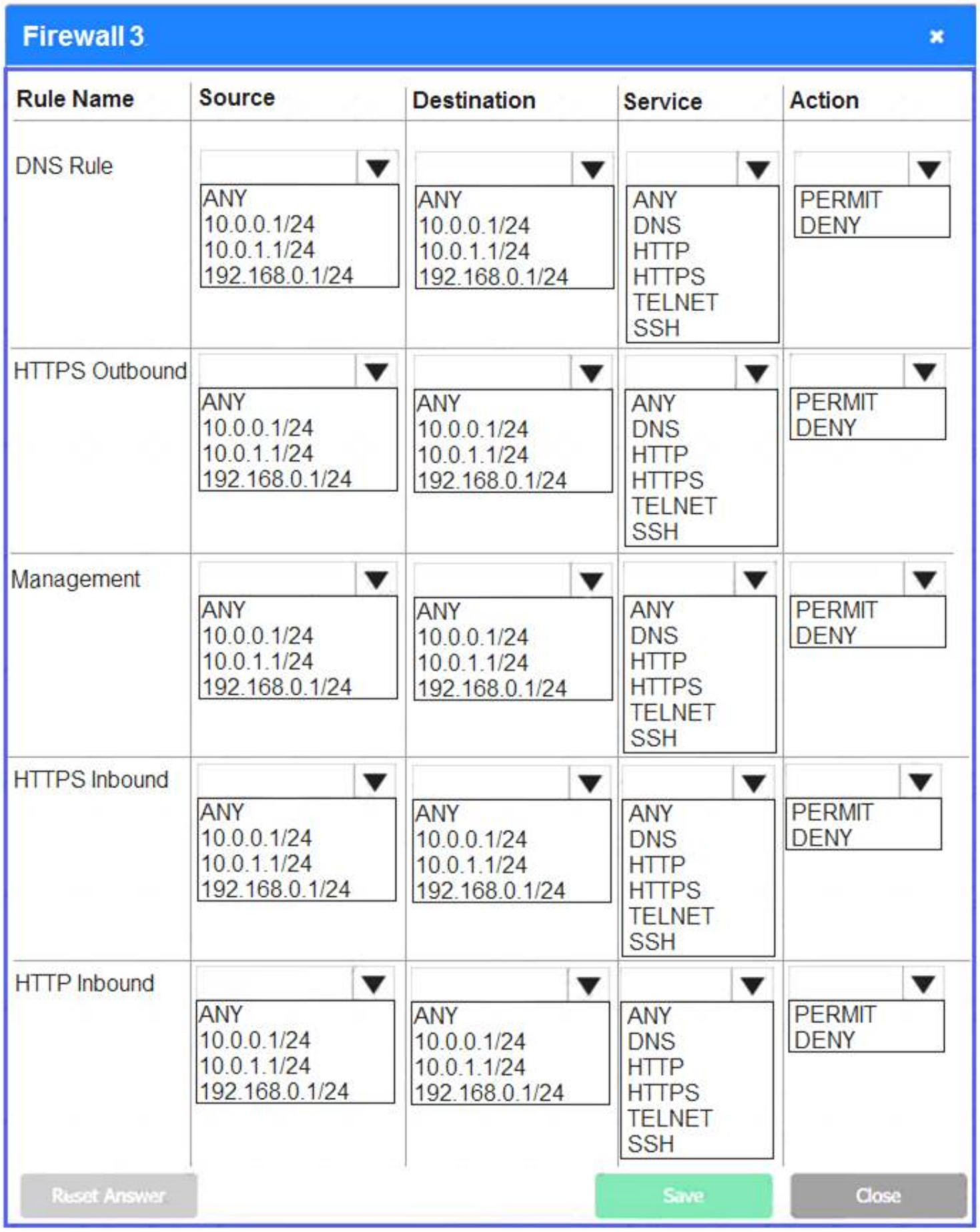
Rule Name	Source	Destination	Service	Action
DNS Rule	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS TELNET SSH	PERMIT DENY
HTTPS Outbound	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24	ANY DNS HTTP HTTPS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

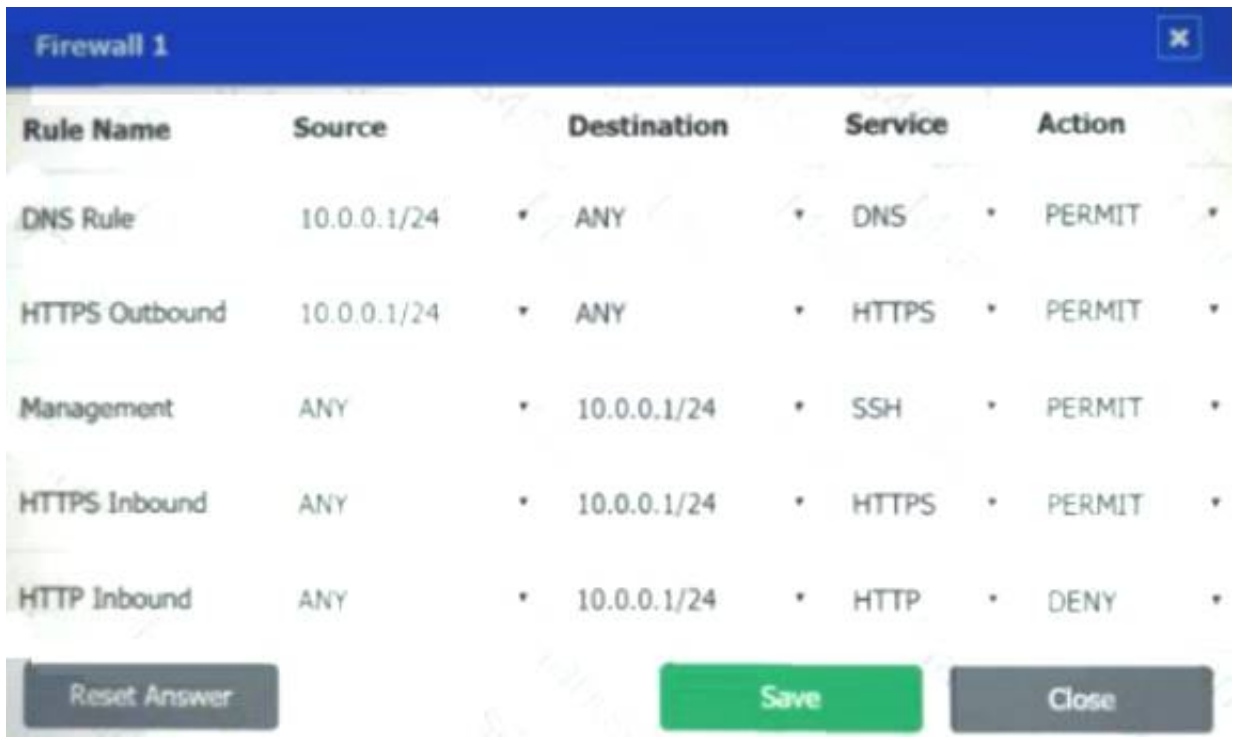
Reset Answer | Save | Close



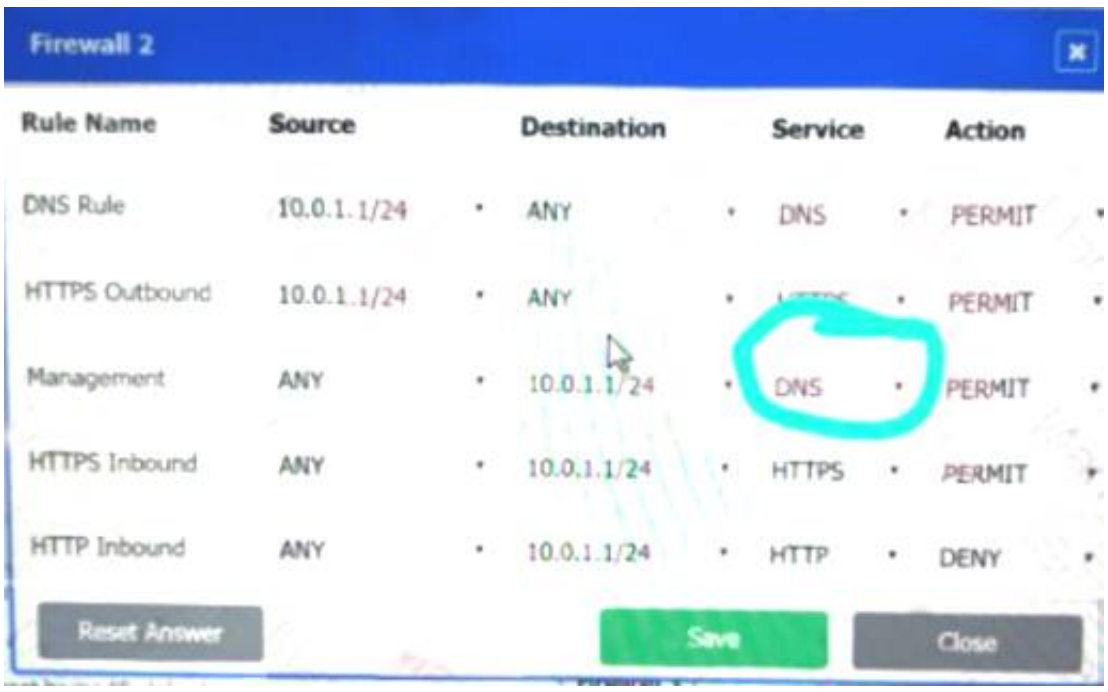
A.

Answer: A

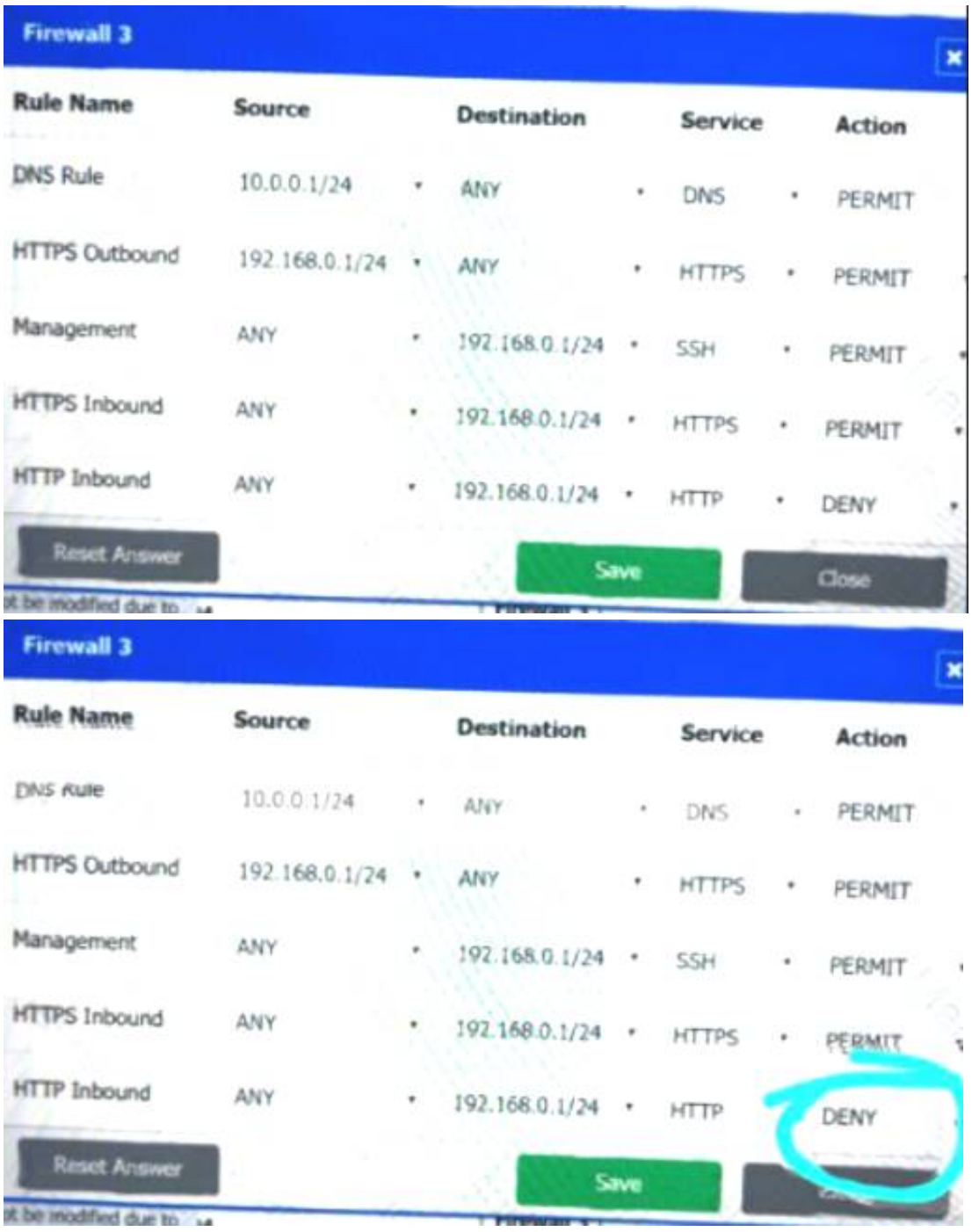
Explanation:
See explanation below.
Explanation
Firewall 1:



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 219
An analyst visits an internet forum looking for information about a tool. The analyst finds a threat that appears to contain relevant information. One of the posts says the following:

```
Hello everyone,
I am having the same problem with my server. Can you help me?

<script type="text/javascript" src=http://website.com/user.js>
Onload=sqlexec();
</script>

Thank you,

Joe
```

Which of the following BEST describes the attack that was attempted against the forum readers?

A. SOU attack

B. DLL attack
C. XSS attack
D. API attack

Answer: C

NEW QUESTION 224
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 227
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 232
In which of the following risk management strategies would cybersecurity insurance be used?

A. Transference
B. Avoidance
C. Acceptance
D. Mitigation

Answer: A

NEW QUESTION 234
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 238
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 243
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 247
When selecting a technical solution for identity management, an architect chooses to go from an in-house to a third-party SaaS provider. Which of the following risk management strategies is this an example of?

A. Acceptance
B. Mitigation
C. Avoidance
D. Transference

Answer: D

NEW QUESTION 252
Users at organization have been installing programs from the internet on their workstations without first proper authorization. The organization maintains a portal from which users can install standardized programs. However, some users have administrative access on their workstations to enable legacy programs to function property. Which of the following should the security administrator consider implementing to address this issue?

A. Application code signing
B. Application whitellsting
C. Data loss prevention
D. Web application firewalls

Answer: B

NEW QUESTION 257
A website developer is working on a new e-commerce website and has asked an information security expert for the most appropriate way to store credit card numbers to create an easy reordering process. Which of the following methods would BEST accomplish this goal?

A. Salting the magnetic strip information
B. Encrypting the credit card information in transit.
C. Hashing the credit card numbers upon entry.
D. Tokenizing the credit cards in the database

Answer: C

NEW QUESTION 258
Which of the following will provide the BEST physical security countermeasures to stop intruders? (Select TWO.)

A. Alarms
B. Signage
C. Lighting
D. Mantraps
E. Fencing
F. Sensors

Answer: DE

NEW QUESTION 259
A company is implementing MFA for all applications that store sensitive data. The IT manager wants MFA to be non-disruptive and user friendly. Which of the following technologies should the IT manager use when implementing MFA?

A. One-time passwords
B. Email tokens
C. Push notifications
D. Hardware authentication

Answer: C

NEW QUESTION 260
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 261
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 264

A database administrator needs to ensure all passwords are stored in a secure manner, so the administrate adds randomly generated data to each password before string. Which of the following techniques BEST explains this action?

A. Predictability
B. Key stretching
C. Salting
D. Hashing

Answer: C

NEW QUESTION 266
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 270
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 271
Which of the following types of controls is a turnstile?

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

Answer: A

NEW QUESTION 275
A company is adopting a BYOD policy and is looking for a comprehensive solution to protect company information on user devices. Which of the following solutions would BEST support the policy?

A. Mobile device management
B. Full-device encryption
C. Remote wipe
D. Biometrics

Answer: A

NEW QUESTION 279
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 281
A user reports constant lag and performance issues with the wireless network when working at a local coffee shop. A security analyst walks the user through an installation of Wireshark and get a five-minute pcap to analyze. The analyst observes the following output:

No.	Time	Source	Destination	Protocol	Length	Info
1234	9.1195665	Sagemcom_87:9f:a3	Broadcast	802.11	38	Deauthentication, SN=655, FN=0
1235	9.1265649	Sagemcom_87:9f:a3	Broadcast	802.11	39	Deauthentication, SN=655, FN=0
1236	9.2223212	Sagemcom_87:9f:a3	Broadcast	802.11	38	Deauthentication, SN=657, FN=0

Which of the following attacks does the analyst MOST likely see in this packet capture?

A. Session replay
B. Evil twin
C. Bluejacking
D. ARP poisoning

Answer: B

NEW QUESTION 286
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 288
A forensics investigator is examining a number of unauthorized payments the were reported on the company's website. Some unusual log entries show users received an email for an unwanted mailing list and clicked on a link to attempt to unsubscribe. One of the users reported the email to the phishing team, and the forwarded email revealed the link to be:

Which of the following will the forensics investigator MOST likely determine has occurred?

A. SQL injection
B. CSRF
C. XSS
D. XSRF

Answer: B

NEW QUESTION 291
A Chief Security Officer (CSO) is concerned about the amount of PII that is stored locally on each salesperson's laptop. The sales department has a higher-than-average rate of lost equipment. Which of the following recommendations would BEST address the CSO's concern?

A. Deploy an MDM solution.
B. Implement managed FDE.
C. Replace all hard drives with SEDs.
D. Install DLP agents on each laptop.

Answer: B

NEW QUESTION 292
Which of the following would be the BEST resource lor a software developer who is looking to improve secure coding practices for web applications?

A. OWASP
B. Vulnerability scan results
C. NIST CSF
D. Third-party libraries

Answer: A

NEW QUESTION 297
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 301
A network administrator is setting up wireless access points in all the conference rooms and wants to authenticate device using PKI. Which of the following should the administrator configure?

A. A captive portal
B. PSK
C. 802.1X
D. WPS

Answer: C

NEW QUESTION 304
A small business just recovered from a ransomware attack against its file servers by purchasing the decryption keys from the attackers. The issue was triggered by a phishing email and the IT administrator wants to ensure it does not happen again. Which of the following should the IT administrator do FIRST after recovery?

A. Scan the NAS for residual or dormant malware and take new daily backups that are tested on a frequent basis
B. Restrict administrative privileges and patch ail systems and applications.
C. Rebuild all workstations and install new antivirus software
D. Implement application whitelisting and perform user application hardening

Answer: A

NEW QUESTION 305
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 309
A forensics examiner is attempting to dump password cached in the physical memory of a live system but keeps receiving an error message. Which of the following BEST describes the cause of the error?

A. The examiner does not have administrative privileges to the system
B. The system must be taken offline before a snapshot can be created
C. Checksum mismatches are invalidating the disk image
D. The swap file needs to be unlocked before it can be accessed

Answer: A

NEW QUESTION 313
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 317
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 321
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 323

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