



CompTIA

Exam Questions SY0-601

CompTIA Security+ Exam

NEW QUESTION 1

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, and then apply them to the production systems
- C. Test the patches in 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 2

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 3

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 4

A global pandemic is forcing a private organization to close some business units and reduce staffing at others. Which of the following would be BEST to help the organization's executives determine the next course of action?

- A. An incident response plan
- B. A communications plan
- C. A disaster recovery plan
- D. A business continuity plan

Answer: D

NEW QUESTION 5

An organization is concerned that its hosted web servers are not running the most updated version of the software. Which of the following would work BEST to help identify potential vulnerabilities?

- A. `Hping3 -s comptia, org -p 80`
- B. `Nc -1 -v comptia, org -p 80`
- C. `nmap comptia, org -p 80 -aV`
- D. `nslookup -port=80 comptia.org`

Answer: C

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 identifies the following:

- The legitimate website's 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 NetFlow records
- All 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 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 8

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 9

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 10

Which of the following relates 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 10

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 15

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 18

A security administrator currently spends a large amount of time on common security tasks, such as 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 19

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 22

Some laptops recently went missing from a locked storage area that is protected by keyless RFID-enabled locks. There is no obvious damage to the physical space. The security manager identifies who unlocked the door, however, human resources confirms the employee was on vacation at the time of the incident. Which of the following describes what MOST likely occurred?

- A. The employee's physical access card was cloned.
- B. The employee is colluding with human resources.
- C. The employee's biometrics were harvested.
- D. A criminal used lock picking tools to open the door.

Answer: A

NEW QUESTION 26

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 28

A security analyst receives the configuration of a current VPN profile and notices the authentication is only applied to the IP datagram portion of the packet. Which of the following should the analyst implement to authenticate the entire packet?

- A. AH
- B. ESP
- C. SRTP
- D. LDAP

Answer: B

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

Select the appropriate attack and remediation from each drop-down list to label the corresponding attack with its remediation.

INSTRUCTIONS

Not all attacks and remediation actions will be used.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources	Web server	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack establishes a connection, which allows remote commands to be executed.	User	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network	Database server	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
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NEW QUESTION 35

Which of the following BEST explains the difference between a data owner and a data custodian?

- A. The data owner is responsible for adhering to the rules for using the data, while the data custodian is responsible for determining the corporate governance regarding the data
- B. The data owner is responsible for determining how the data may be used, while the data custodian is responsible for implementing the protection to the data
- C. The data owner is responsible for controlling the data, while the data custodian is responsible for maintaining the chain of custody when handling the data
- D. The data owner grants the technical permissions for data access, while the data custodian maintains the database access controls to the data

Answer: B

NEW QUESTION 37

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 Account locked out.
3/16/20 3:31:18 AM Audit Failure: CompanyNetwork\User3 Unknown username or bad password.
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 Successful logon.
3/16/20 3:31:22 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
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 Successful logon.
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 42

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 47

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 51

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 continued 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 52

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 57

A system administrator needs to implement an access control scheme that will allow an object's access policy to be determined by its owner. Which of the following access control schemes BEST fits the requirements?

- A. Role-based access control
- B. Discretionary access control
- C. Mandatory access control
- D. Attribute-based access control

Answer: B

NEW QUESTION 58

Which of the following is MOST likely to outline the roles and responsibilities of data controllers and data processors?

- A. SSAE SOC 2
- B. PCI DSS
- C. GDPR
- D. ISO 31000

Answer: C

NEW QUESTION 61

A security analyst needs to generate a server certificate to be used for 802.1X and secure RDP connections. The analyst is unsure what is required to perform the task and solicits help from a senior colleague. Which of the following is the FIRST step the senior colleague will most likely tell the analyst to perform to accomplish this task?

- A. Create an OCSP
- B. Generate a CSR
- C. Create a CRL
- D. Generate a .pfx file

Answer: B

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 66

A worldwide manufacturing company has been experiencing email account compromised. In one incident, a user logged in from the corporate office in France, but then seconds later, the same user account attempted a login from Brazil. Which of the following account policies would BEST prevent this type of attack?

- A. Network location
- B. Impossible travel time
- C. Geolocation
- D. Geofencing

Answer: D

NEW QUESTION 67

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 68

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 71

A security auditor is reviewing vulnerability scan data provided by an internal security team. Which of the following BEST indicates that valid credentials were used?

- A. The scan results show open ports, protocols, and services exposed on the target host
- B. The scan enumerated software versions of installed programs
- C. The scan produced a list of vulnerabilities on the target host
- D. The scan identified expired SSL certificates

Answer: B

NEW QUESTION 75

A company's bank has reported that multiple corporate credit cards have been stolen over the past several weeks. The bank has provided the names of the affected cardholders to the company's forensics team to assist in the cyber-incident investigation.

An incident responder learns the following information:

- The timeline of stolen card numbers corresponds closely with affected users making Internet-based purchases from diverse websites via enterprise desktop PCs.
- All purchase connections were encrypted, and the company uses an SSL inspection proxy for the inspection of encrypted traffic of the hardwired network.
- Purchases made with corporate cards over the corporate guest WiFi network, where no SSL inspection occurs, were unaffected.

Which of the following is the MOST likely root cause?

- A. HTTPS sessions are being downgraded to insecure cipher suites
- B. The SSL inspection proxy is feeding events to a compromised SIEM
- C. The payment providers are insecurely processing credit card charges
- D. The adversary has not yet established a presence on the guest WiFi network

Answer: C

NEW QUESTION 77

A company uses wireless for all laptops and keeps a very detailed record of its assets, along with a comprehensive list of devices that are authorized to be on the wireless network. The Chief Information Officer (CIO) is concerned about a script kiddie potentially using an unauthorized device to brute force the wireless PSK and obtain access to the internal network. Which of the following should the company implement to BEST prevent this from occurring?

- A. A BPDU guard
- B. WPA-EAP
- C. IP filtering
- D. A WIDS

Answer: B

NEW QUESTION 80

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 data? (Select TWO)

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

Answer: BE

NEW QUESTION 84

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 86

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 87

A security manager for a retailer needs to reduce the scope of a project to comply with PCI DSS. The PCI data is located in different offices than where credit cards are accepted. All the offices are connected via MPLS back to the primary datacenter. Which of the following should the security manager implement to achieve the objective?

- A. Segmentation
- B. Containment
- C. Geofencing
- D. Isolation

Answer: A

NEW QUESTION 89

In which of the following situations would it be BEST to use a detective control type for mitigation?

- A. A company implemented a network load balancer to ensure 99.999% availability of its web application.
- B. A company designed a backup solution to increase the chances of restoring services in case of a natural disaster.
- C. A company purchased an application-level firewall to isolate traffic between the accounting department and the information technology department.
- D. A company purchased an IPS system, but after reviewing the requirements, the appliance was supposed to monitor, not block, any traffic.
- E. A company purchased liability insurance for flood protection on all capital assets.

Answer: D

NEW QUESTION 105

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 109

A well-known organization has been experiencing attacks from APIs. The organization is concerned that custom malware is being created and emailed into the company or installed on USB sticks that are dropped in parking lots. Which of the following is the BEST defense against this scenario?

- A. Configuring signature-based antivirus to update every 30 minutes
- B. Enforcing S/MIME for email and automatically encrypting USB drives upon insertion.
- C. Implementing application execution in a sandbox for unknown software.
- D. Fuzzing new files for vulnerabilities if they are not digitally signed

Answer: C

NEW QUESTION 112

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 116

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 to 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 121

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 125

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 128

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 132

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 137

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 138

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 142

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 146

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 151

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 156

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 160

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 162

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 163

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 in 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 165

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 168

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 169

In the middle of a cybersecurity, a security engineer removes the infected devices from the network and lock down all compromised accounts. In which of the following incident response phases is the security engineer currently operating?

- A. Identification
- B. Preparation
- C. Eradiction
- D. Recovery
- E. Containment

Answer: E

NEW QUESTION 170

Which of the following scenarios would make a DNS sinkhole effective in thwarting an attack?

- A. An attacker is sniffing traffic to port 53, and the server is managed using unencrypted usernames and passwords.
- B. An organization is experiencing excessive traffic on port 53 and suspects an attacker is trying to DoS the domain name server.
- C. Malware trying to resolve an unregistered domain name to determine if it is running in an isolated sandbox
- D. Routing tables have been compromised, and an attacker is rerouting traffic to malicious websites

Answer: A

NEW QUESTION 173

Which of the following allows for functional test data to be used in new systems for testing and training purposes to protect the read data?

- A. Data encryption
- B. Data masking
- C. Data deduplication
- D. Data minimization

Answer: B

NEW QUESTION 175

A security analyst needs to produce a document that details how a security incident occurred, the steps that were taken for recovery, and how future incidents can be avoided. During which of the following stages of the response process will this activity take place?

- A. Recovery
- B. Identification
- C. Lessons learned
- D. Preparation

Answer: C

NEW QUESTION 179

A manufacturer creates designs for very high security products that are required to be protected and controlled by the government regulations. These designs are not accessible by corporate networks or the Internet. Which of the following is the BEST solution to protect these designs?

- A. An air gap
- B. A Faraday cage
- C. A shielded cable
- D. A demilitarized zone

Answer: A

NEW QUESTION 183

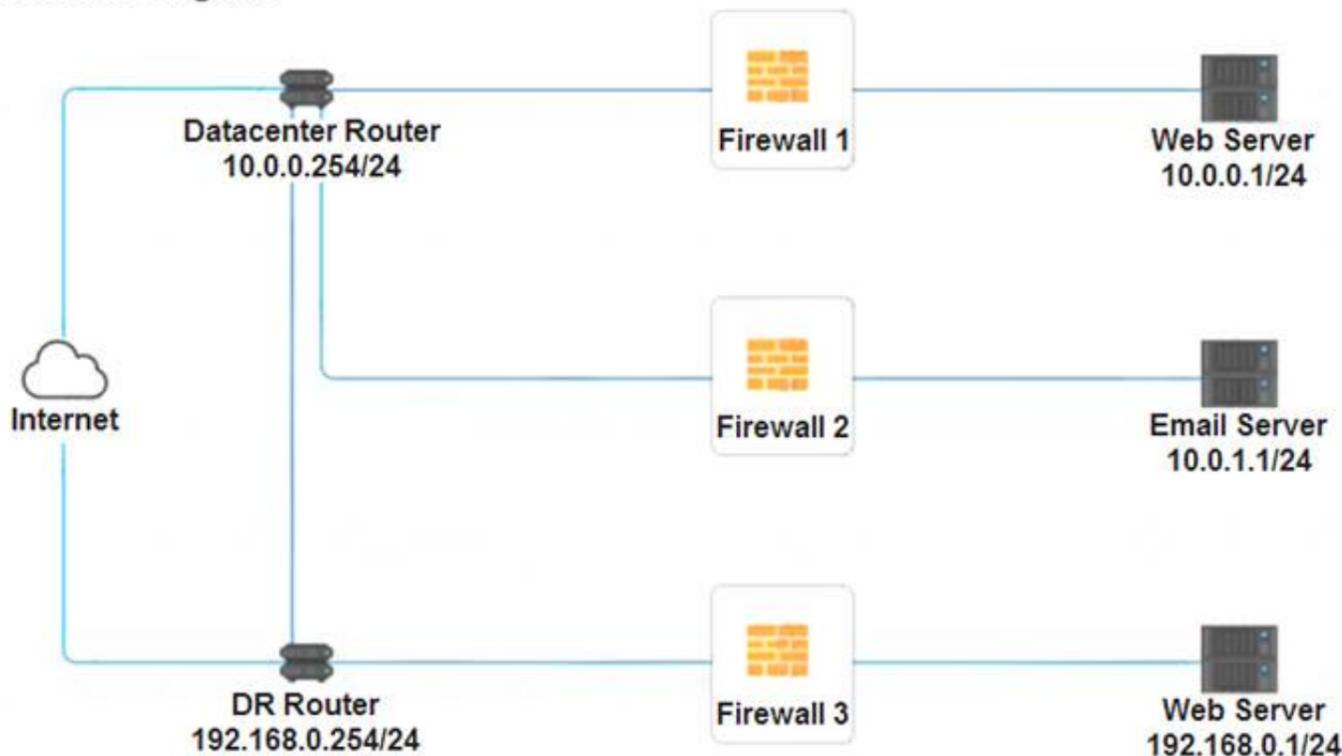
A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites. INSTRUCTIONS
Click on each firewall to do the following:

- > 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	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTPS Outbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
Management	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTPS Inbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTP Inbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>

Reset Answer
Save
Close

Firewall 2 ✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>

Reset Answer
Save
Close

Firewall 3
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>

Reset Answer
Save
Close

A.

Answer: A

Explanation:

See explanation below.

Explanation

Firewall 1:

Firewall 1					
Rule Name	Source	Destination	Service	Action	
DNS Rule	10.0.0.1/24	ANY	DNS	PERMIT	
HTTPS Outbound	10.0.0.1/24	ANY	HTTPS	PERMIT	
Management	ANY	10.0.0.1/24	SSH	PERMIT	
HTTPS Inbound	ANY	10.0.0.1/24	HTTPS	PERMIT	
HTTP Inbound	ANY	10.0.0.1/24	HTTP	DENY	

Buttons: Reset Answer, Save, Close

Firewall 1					
Rule Name	Source	Destination	Service	Action	
DNS Rule	10.0.0.1/24	ANY	DNS	PERMIT	
HTTPS Outbound	10.0.0.1/24	ANY	HTTPS	PERMIT	
Management	ANY	10.0.0.1/24	SSH	PERMIT	
HTTPS Inbound	ANY	10.0.0.1/24	HTTPS	PERMIT	
HTTP Inbound	ANY	10.0.0.1/24	HTTP	DENY	

Buttons: Reset Answer, Save, Close

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 2					
Rule Name	Source	Destination	Service	Action	
DNS Rule	10.0.1.1/24	ANY	DNS	PERMIT	
HTTPS Outbound	10.0.1.1/24	ANY	HTTPS	PERMIT	
Management	ANY	10.0.1.1/24	DNS	PERMIT	
HTTPS Inbound	ANY	10.0.1.1/24	HTTPS	PERMIT	
HTTP Inbound	ANY	10.0.1.1/24	HTTP	DENY	

Buttons: Reset Answer, Save, Close

Firewall 2

Rule Name	Source	Destination	Service	Action
DNS Rule	10.0.1.1/24	• ANY	• DNS	• PERMIT
HTTPS Outbound	10.0.1.1/24	• ANY	• HTTPS	• PERMIT
Management	ANY	• 10.0.1.1/24	• DNS	• PERMIT
HTTPS Inbound	ANY	• 10.0.1.1/24	• HTTPS	• PERMIT
HTTP Inbound	ANY	• 10.0.1.1/24	• HTTP	• DENY

Buttons: Reset Answer, Save, Close

Firewall 3:

Firewall 3

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

Buttons: Reset Answer, Save, Close

Firewall 3

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

Buttons: Reset Answer, Save, Close

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 188

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 193

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 196

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 201

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 202

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 207

An organization just experienced a major cyberattack modern. 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 209

A startup company is using multiple SaaS and IaaS platforms 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 212

A security engineer is setting up passwordless authentication for the first time. INSTRUCTIONS
Use the minimum set of commands to set this up and verify that it works. Commands cannot be reused.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

```

Commands
-----
chmod 644 ~/.ssh/id_rsa
chmod 777 ~/.ssh/authorized_keys
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh root@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
ssh -i ~/.ssh/id_rsa user@server
    
```

```

SSH Client
-----
?
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

Commands
-----
chmod 644 ~/.ssh/id_rsa
chmod 777 ~/.ssh/authorized_keys
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh root@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
ssh -i ~/.ssh/id_rsa user@server
    
```

```

SSH Client
-----
ssh root@server
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh -i ~/.ssh/id_rsa user@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
chmod 777 ~/.ssh/authorized_keys
chmod 644 ~/.ssh/id_rsa
    
```

NEW QUESTION 214

While checking logs, a security engineer notices a number of end users suddenly downloading files with the .tar.gz extension. Closer examination of the files reveals they are PE32 files. The end users state they did not initiate any of the downloads. Further investigation reveals the end users all clicked on an external email containing an infected MHT file with an href link a week prior. Which of the following is MOST likely occurring?

- A. A RAT was installed and is transferring additional exploit tools.
- B. The workstations are beaconing to a command-and-control server.
- C. A logic bomb was executed and is responsible for the data transfers.
- D. A wireless virus is spreading in the local network environment.

Answer: A

NEW QUESTION 215

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 216

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 220

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 223

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 224

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 228

A forensics investigator is examining a number of unauthorized payments that 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:

```
<a href="https://www.company.com/payto.do?routing=00001111&acct=22123333&amount=250">Click here to unsubscribe</a>
```

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 233

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 236

The CSIRT is reviewing the lessons learned from a recent incident. A worm was able to spread unhindered throughout the network and infect a large number of computers and servers. Which of the following recommendations would be BEST to mitigate the impacts of a similar incident in the future?

- A. Install a NIDS device at the boundary.
- B. Segment the network with firewalls.
- C. Update all antivirus signatures daily.
- D. Implement application blacklisting.

Answer: B

NEW QUESTION 241

A security analyst discovers that a company username and password database was posted on an internet forum. The username and passwords are stored in plain 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 243

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 245

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 249

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 251

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 253

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 257

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About ExamBible

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NEW QUESTION 1

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, and then apply them to the production systems
- C. Test the patches in 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 2

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 3

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 4

A global pandemic is forcing a private organization to close some business units and reduce staffing at others. Which of the following would be BEST to help the organization's executives determine the next course of action?

- A. An incident response plan
- B. A communications plan
- C. A disaster recovery plan
- D. A business continuity plan

Answer: D

NEW QUESTION 5

An organization is concerned that its hosted web servers are not running the most updated version of the software. Which of the following would work BEST to help identify potential vulnerabilities?

- A. `hping3 -s comptia, org -p 80`
- B. `nc -1 -v comptia, org -p 80`
- C. `npm comptia, org -p 80 -aV`
- D. `nslookup -port=80 comptia.org`

Answer: C

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 identifies the following:

- The legitimate website's 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 NetFlow 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 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 8

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 9

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 10

Which of the following relates 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 10

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 15

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 18

A security administrator currently spends a large amount of time on common security tasks, such as 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 19

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 22

Some laptops recently went missing from a locked storage area that is protected by keyless RFID-enabled locks. There is no obvious damage to the physical space. The security manager identifies who unlocked the door, however, human resources confirms the employee was on vacation at the time of the incident. Which of the following describes what MOST likely occurred?

- A. The employee's physical access card was cloned.
- B. The employee is colluding with human resources.
- C. The employee's biometrics were harvested.
- D. A criminal used lock picking tools to open the door.

Answer: A

NEW QUESTION 26

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 28

A security analyst receives the configuration of a current VPN profile and notices the authentication is only applied to the IP datagram portion of the packet. Which of the following should the analyst implement to authenticate the entire packet?

- A. AH
- B. ESP
- C. SRTP
- D. LDAP

Answer: B

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

Select the appropriate attack and remediation from each drop-down list to label the corresponding attack with its remediation.

INSTRUCTIONS

Not all attacks and remediation actions will be used.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources	Web server	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack establishes a connection, which allows remote commands to be executed.	User	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network	Database server	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	<ul style="list-style-type: none"> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing 	<ul style="list-style-type: none"> Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources	Web server	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
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NEW QUESTION 35

Which of the following BEST explains the difference between a data owner and a data custodian?

- A. The data owner is responsible for adhering to the rules for using the data, while the data custodian is responsible for determining the corporate governance regarding the data
- B. The data owner is responsible for determining how the data may be used, while the data custodian is responsible for implementing the protection to the data
- C. The data owner is responsible for controlling the data, while the data custodian is responsible for maintaining the chain of custody when handling the data
- D. The data owner grants the technical permissions for data access, while the data custodian maintains the database access controls to the data

Answer: B

NEW QUESTION 37

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 Account locked out.
3/16/20 3:31:18 AM Audit Failure: CompanyNetwork\User3 Unknown username or bad password.
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 Successful logon.
3/16/20 3:31:22 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
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 Successful logon.
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 42

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 47

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 51

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 continued 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 52

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 57

A system administrator needs to implement an access control scheme that will allow an object's access policy to be determined by its owner. Which of the following access control schemes BEST fits the requirements?

- A. Role-based access control
- B. Discretionary access control
- C. Mandatory access control
- D. Attribute-based access control

Answer: B

NEW QUESTION 58

Which of the following is MOST likely to outline the roles and responsibilities of data controllers and data processors?

- A. SSAE SOC 2
- B. PCI DSS
- C. GDPR
- D. ISO 31000

Answer: C

NEW QUESTION 61

A security analyst needs to generate a server certificate to be used for 802.1X and secure RDP connections. The analyst is unsure what is required to perform the task and solicits help from a senior colleague. Which of the following is the FIRST step the senior colleague will most likely tell the analyst to perform to accomplish this task?

- A. Create an OCSP
- B. Generate a CSR
- C. Create a CRL
- D. Generate a .pfx file

Answer: B

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 66

A worldwide manufacturing company has been experiencing email account compromised. In one incident, a user logged in from the corporate office in France, but then seconds later, the same user account attempted a login from Brazil. Which of the following account policies would BEST prevent this type of attack?

- A. Network location
- B. Impossible travel time
- C. Geolocation
- D. Geofencing

Answer: D

NEW QUESTION 67

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 68

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 71

A security auditor is reviewing vulnerability scan data provided by an internal security team. Which of the following BEST indicates that valid credentials were used?

- A. The scan results show open ports, protocols, and services exposed on the target host
- B. The scan enumerated software versions of installed programs
- C. The scan produced a list of vulnerabilities on the target host
- D. The scan identified expired SSL certificates

Answer: B

NEW QUESTION 75

A company's bank has reported that multiple corporate credit cards have been stolen over the past several weeks. The bank has provided the names of the affected cardholders to the company's forensics team to assist in the cyber-incident investigation.

An incident responder learns the following information:

- The timeline of stolen card numbers corresponds closely with affected users making Internet-based purchases from diverse websites via enterprise desktop PCs.
- All purchase connections were encrypted, and the company uses an SSL inspection proxy for the inspection of encrypted traffic of the hardwired network.
- Purchases made with corporate cards over the corporate guest WiFi network, where no SSL inspection occurs, were unaffected.

Which of the following is the MOST likely root cause?

- A. HTTPS sessions are being downgraded to insecure cipher suites
- B. The SSL inspection proxy is feeding events to a compromised SIEM
- C. The payment providers are insecurely processing credit card charges
- D. The adversary has not yet established a presence on the guest WiFi network

Answer: C

NEW QUESTION 77

A company uses wireless for all laptops and keeps a very detailed record of its assets, along with a comprehensive list of devices that are authorized to be on the wireless network. The Chief Information Officer (CIO) is concerned about a script kiddie potentially using an unauthorized device to brute force the wireless PSK and obtain access to the internal network. Which of the following should the company implement to BEST prevent this from occurring?

- A. A BPDU guard
- B. WPA-EAP
- C. IP filtering
- D. A WIDS

Answer: B

NEW QUESTION 80

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 data? (Select TWO)

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

Answer: BE

NEW QUESTION 84

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 86

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 87

A security manager for a retailer needs to reduce the scope of a project to comply with PCI DSS. The PCI data is located in different offices than where credit cards are accepted. All the offices are connected via MPLS back to the primary datacenter. Which of the following should the security manager implement to achieve the objective?

- A. Segmentation
- B. Containment
- C. Geofencing
- D. Isolation

Answer: A

NEW QUESTION 89

In which of the following situations would it be BEST to use a detective control type for mitigation?

- A. A company implemented a network load balancer to ensure 99.999% availability of its web application.
- B. A company designed a backup solution to increase the chances of restoring services in case of a natural disaster.
- C. A company purchased an application-level firewall to isolate traffic between the accounting department and the information technology department.
- D. A company purchased an IPS system, but after reviewing the requirements, the appliance was supposed to monitor, not block, any traffic.
- E. A company purchased liability insurance for flood protection on all capital assets.

Answer: D

NEW QUESTION 94

A security engineer needs to Implement the following requirements:

- All Layer 2 switches should leverage Active Directory for authentication.
- All Layer 2 switches should use local fallback authentication If Active Directory Is offline.
- All Layer 2 switches are not the same and are manufactured by several vendors.

Which of the following actions should the engineer take to meet these requirements? (Select TWO).

- A. Implement RADIUS.
- B. Configure AAA on the switch with local login as secondary.
- C. Configure port security on the switch with the secondary login method.
- D. Implement TACACS+
- E. Enable the local firewall on the Active Directory server.
- F. Implement a DHCP server.

Answer: AB

NEW QUESTION 96

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 97

A researcher has been analyzing large data sets for the last ten months. The researcher works with colleagues from other institutions and typically connects via SSH to retrieve additional data. Historically, this setup has worked without issue, but the researcher recently started getting the following message:

```

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@  WARNING: REMOTE HOST IDENTIFICATION HAS CHANGED!  @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
IT IS POSSIBLE THAT SOMEONE IS DOING SOMETHING NASTY!
The fingerprint for the RSA key sent by the remote host is
SHA256:cBqYjal6ToV3jEIJHUSKtjjVziqnVd4Cz+lfhTM6+k4.
Please contact your system administrator.
RSA host key for 18.231.33.78 has changed and you have requested strict checking.
Host key verification failed.
    
```

Which of the following network attacks is the researcher MOST likely experiencing?

- A. MAC cloning
- B. Evil twin
- C. Man-in-the-middle
- D. ARP poisoning

Answer: C

NEW QUESTION 99

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 105

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 109

A well-known organization has been experiencing attacks from APIs. The organization is concerned that custom malware is being created and emailed into the company or installed on USB sticks that are dropped in parking lots. Which of the following is the BEST defense against this scenario?

- A. Configuring signature-based antivirus to update every 30 minutes
- B. Enforcing S/MIME for email and automatically encrypting USB drives upon insertion.
- C. Implementing application execution in a sandbox for unknown software.
- D. Fuzzing new files for vulnerabilities if they are not digitally signed

Answer: C

NEW QUESTION 112

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 116

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 to 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 121

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 125

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 128

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 132

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 137

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 138

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 142

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 146

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 151

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 156

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 160

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 162

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 163

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 in 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 165

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 168

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 169

In the middle of a cybersecurity, a security engineer removes the infected devices from the network and lock down all compromised accounts. In which of the following incident response phases is the security engineer currently operating?

- A. Identification
- B. Preparation
- C. Eradiction
- D. Recovery
- E. Containment

Answer: E

NEW QUESTION 170

Which of the following scenarios would make a DNS sinkhole effective in thwarting an attack?

- A. An attacker is sniffing traffic to port 53, and the server is managed using unencrypted usernames and passwords.
- B. An organization is experiencing excessive traffic on port 53 and suspects an attacker is trying to DoS the domain name server.
- C. Malware trying to resolve an unregistered domain name to determine if it is running in an isolated sandbox
- D. Routing tables have been compromised, and an attacker is rerouting traffic to malicious websites

Answer: A

NEW QUESTION 173

Which of the following allows for functional test data to be used in new systems for testing and training purposes to protect the read data?

- A. Data encryption
- B. Data masking
- C. Data deduplication
- D. Data minimization

Answer: B

NEW QUESTION 175

A security analyst needs to produce a document that details how a security incident occurred, the steps that were taken for recovery, and how future incidents can be avoided. During which of the following stages of the response process will this activity take place?

- A. Recovery
- B. Identification
- C. Lessons learned
- D. Preparation

Answer: C

NEW QUESTION 179

A manufacturer creates designs for very high security products that are required to be protected and controlled by the government regulations. These designs are not accessible by corporate networks or the Internet. Which of the following is the BEST solution to protect these designs?

- A. An air gap
- B. A Faraday cage
- C. A shielded cable
- D. A demilitarized zone

Answer: A

NEW QUESTION 183

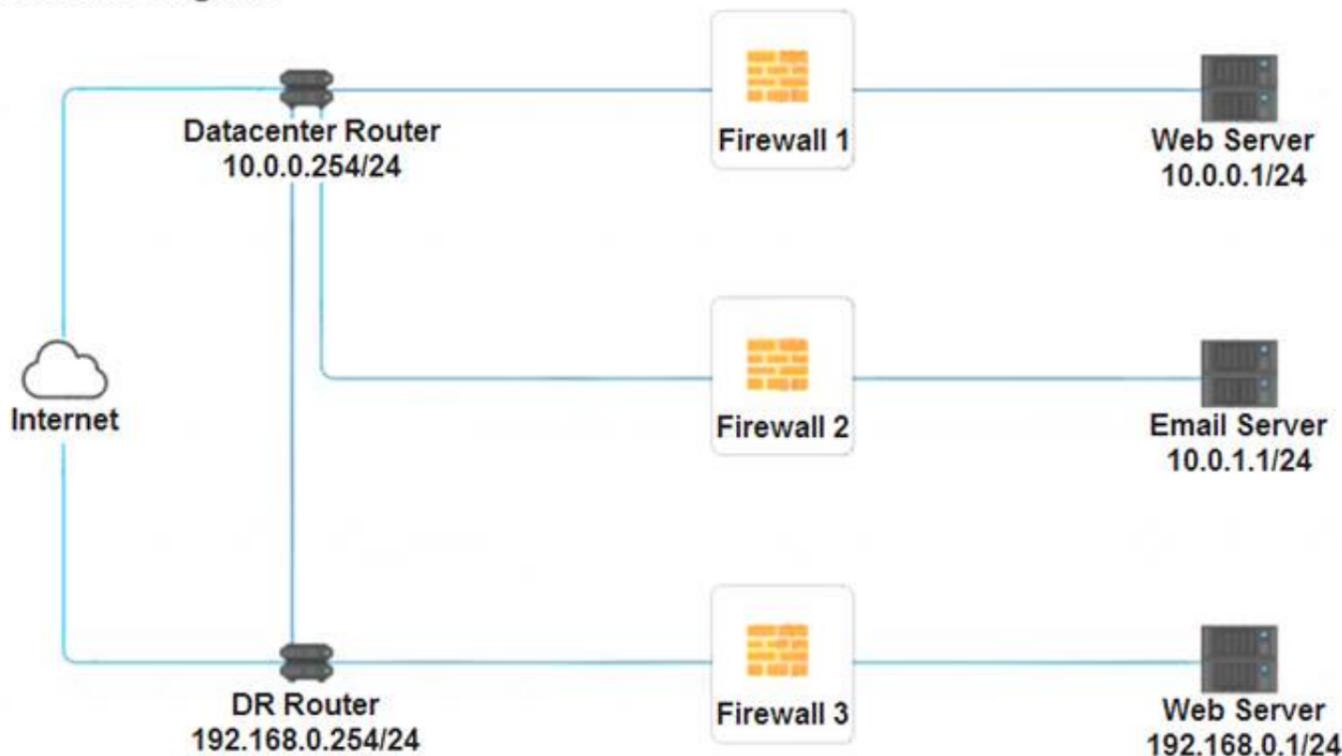
A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites. INSTRUCTIONS
Click on each firewall to do the following:

- > 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	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTPS Outbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
Management	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTPS Inbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>
HTTP Inbound	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="10.0.0.1/24"/> <input type="text" value="10.0.1.1/24"/> <input type="text" value="192.168.0.1/24"/>	<input type="text" value="ANY"/> <input type="text" value="DNS"/> <input type="text" value="HTTP"/> <input type="text" value="HTTPS"/> <input type="text" value="TELNET"/> <input type="text" value="SSH"/>	<input type="text" value="PERMIT"/> <input type="text" value="DENY"/>

Reset Answer
Save
Close

Firewall 2
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>

Reset Answer
Save
Close

Firewall 3
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid gray; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid gray; padding: 2px;"> PERMIT DENY </div>

Reset Answer
Save
Close

A.

Answer: A

Explanation:

See explanation below.

Explanation

Firewall 1:

Firewall 1				
Rule Name	Source	Destination	Service	Action
DNS Rule	10.0.0.1/24	ANY	DNS	PERMIT
HTTPS Outbound	10.0.0.1/24	ANY	HTTPS	PERMIT
Management	ANY	10.0.0.1/24	SSH	PERMIT
HTTPS Inbound	ANY	10.0.0.1/24	HTTPS	PERMIT
HTTP Inbound	ANY	10.0.0.1/24	HTTP	DENY

Buttons: Reset Answer, Save, Close

Firewall 1				
Rule Name	Source	Destination	Service	Action
DNS Rule	10.0.0.1/24	ANY	DNS	PERMIT
HTTPS Outbound	10.0.0.1/24	ANY	HTTPS	PERMIT
Management	ANY	10.0.0.1/24	SSH	PERMIT
HTTPS Inbound	ANY	10.0.0.1/24	HTTPS	PERMIT
HTTP Inbound	ANY	10.0.0.1/24	HTTP	DENY

Buttons: Reset Answer, Save, Close

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

Buttons: Reset Answer, Save, Close

Rule Name	Source	Destination	Service	Action
DNS Rule	10.0.1.1/24	• ANY	• DNS	• PERMIT
HTTPS Outbound	10.0.1.1/24	• ANY	• HTTPS	• PERMIT
Management	ANY	• 10.0.1.1/24	• DNS	• PERMIT
HTTPS Inbound	ANY	• 10.0.1.1/24	• HTTPS	• PERMIT
HTTP Inbound	ANY	• 10.0.1.1/24	• HTTP	• DENY

Firewall 3:

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

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

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 188

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 193

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 196

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 201

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 202

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 207

An organization just experienced a major cyberattack modern. 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 209

A startup company is using multiple SaaS and IaaS platforms 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 212

A security engineer is setting up passwordless authentication for the first time. INSTRUCTIONS
Use the minimum set of commands to set this up and verify that it works. Commands cannot be reused.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

```

Commands
-----
chmod 644 ~/.ssh/id_rsa
chmod 777 ~/.ssh/authorized_keys
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh root@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
ssh -i ~/.ssh/id_rsa user@server
    
```

```

SSH Client
-----
?
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

Commands
-----
chmod 644 ~/.ssh/id_rsa
chmod 777 ~/.ssh/authorized_keys
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh root@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
ssh -i ~/.ssh/id_rsa user@server
    
```

```

SSH Client
-----
ssh root@server
scp ~/.ssh/id_rsa user@server:~/.ssh/authorized_keys
ssh -i ~/.ssh/id_rsa user@server
ssh-keygen -t rsa
ssh-copy-id -i ~/.ssh/id_rsa.pub user@server
chmod 777 ~/.ssh/authorized_keys
chmod 644 ~/.ssh/id_rsa
    
```

NEW QUESTION 214

While checking logs, a security engineer notices a number of end users suddenly downloading files with the .tar.gz extension. Closer examination of the files reveals they are PE32 files. The end users state they did not initiate any of the downloads. Further investigation reveals the end users all clicked on an external email containing an infected MHT file with an href link a week prior. Which of the following is MOST likely occurring?

- A. A RAT was installed and is transferring additional exploit tools.
- B. The workstations are beaconing to a command-and-control server.
- C. A logic bomb was executed and is responsible for the data transfers.
- D. A wireless virus is spreading in the local network environment.

Answer: A

NEW QUESTION 215

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 216

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 220

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 223

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 224

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 228

A forensics investigator is examining a number of unauthorized payments that 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:

```
<a href="https://www.company.com/payto.do?routing=00001111&acct=22123333&amount=250">Click here to unsubscribe</a>
```

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 233

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 236

The CSIRT is reviewing the lessons learned from a recent incident. A worm was able to spread unhindered throughout the network and infect a large number of computers and servers. Which of the following recommendations would be BEST to mitigate the impacts of a similar incident in the future?

- A. Install a NIDS device at the boundary.
- B. Segment the network with firewalls.
- C. Update all antivirus signatures daily.
- D. Implement application blacklisting.

Answer: B

NEW QUESTION 241

A security analyst discovers that a company username and password database was posted on an internet forum. The username and passwords are stored in plain 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 243

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 245

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 249

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 251

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 253

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 257

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