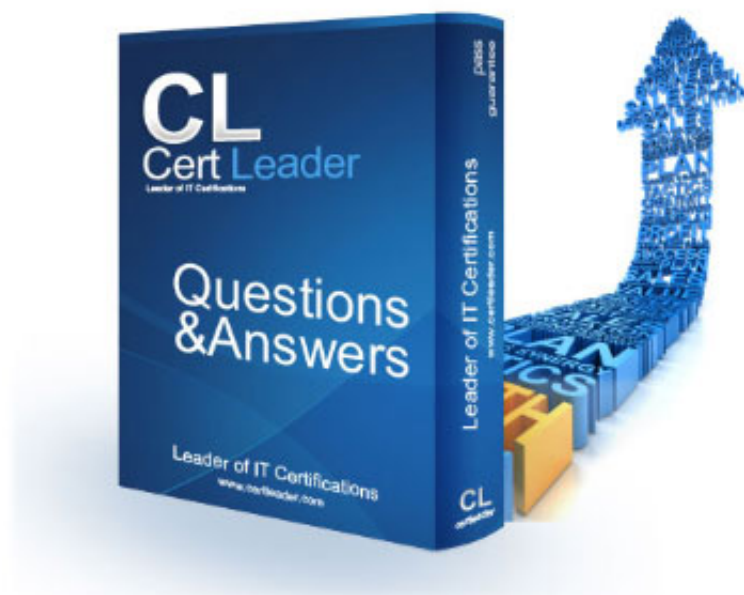


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NEW QUESTION 1

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

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

Answer: ADG

NEW QUESTION 2

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

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

Answer: D

NEW QUESTION 3

An organization needs to implement more stringent controls over administrator/root credentials and service accounts. Requirements for the project include:

- Check-in/checkout of credentials
- The ability to use but not know the password
- Automated password changes
- Logging of access to credentials

Which of the following solutions would meet the requirements?

- A. OAuth 2.0
- B. Secure Enclave
- C. A privileged access management system
- D. An OpenID Connect authentication system

Answer: D

NEW QUESTION 4

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

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

Answer: C

NEW QUESTION 5

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 6

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

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

Answer: C

NEW QUESTION 7

A security assessment determines DES and 3DES at still being used on recently deployed production servers. Which of the following did the assessment identify?

- A. Unsecme protocols
- B. Default settings
- C. Open permissions
- D. Weak encryption

Answer: D

NEW QUESTION 8

A security analyst reviews the datacenter access logs for a fingerprint scanner and notices an abundance of errors that correlate with users' reports of issues accessing the facility. Which of the following MOST likely the cause of the cause of the access issues?

- A. False rejection
- B. Cross-over error rate
- C. Efficacy rate
- D. Attestation

Answer: B

NEW QUESTION 9

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

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

Answer: B

NEW QUESTION 10

A user recently entered a username and password into a recruiting application website that had been forged to look like the legitimate site Upon investigation, a security analyst the identifies the following:

- The legitimate websites IP address is 10.1.1.20 and eRecruit local resolves to the IP
 - The forged website's IP address appears to be 10.2.12.99. based on 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 10

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

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

Answer: D

NEW QUESTION 15

A security analyst is reviewing the following attack log output:

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

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

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

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

D. Dictionary

Answer: C

NEW QUESTION 18

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

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

Answer: C

NEW QUESTION 22

Several employees return to work the day after attending an industry trade show. That same day, the security manager notices several malware alerts coming from each of the employee's workstations. The security manager investigates but finds no signs of an attack on the perimeter firewall or the NIDS. Which of the following is MOST likely causing the malware alerts?

- A. A worm that has propagated itself across the intranet, which was initiated by presentation media
- B. A fileless virus that is contained on a vCard that is attempting to execute an attack
- C. A Trojan that has passed through and executed malicious code on the hosts
- D. A USB flash drive that is trying to run malicious code but is being blocked by the host firewall

Answer: A

NEW QUESTION 27

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

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

Answer: C

NEW QUESTION 30

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 35

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 40

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

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

Answer: C

NEW QUESTION 43

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	<div> <div>▼</div> <div> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing </div> </div>	<div> <div>▼</div> <div> 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 </div> </div>
The attack establishes a connection, which allows remote commands to be executed.	User	<div> <div>▼</div> <div> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing </div> </div>	<div> <div>▼</div> <div> 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 </div> </div>
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network	Database server	<div> <div>▼</div> <div> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing </div> </div>	<div> <div>▼</div> <div> 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 </div> </div>
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	<div> <div>▼</div> <div> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing </div> </div>	<div> <div>▼</div> <div> 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 </div> </div>
The attacker embeds hidden access in an internally developed application that bypasses account login	Application	<div> <div>▼</div> <div> Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing </div> </div>	<div> <div>▼</div> <div> 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 </div> </div>

- 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 47

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 login.
3/16/20 3:31:22 AM Audit Success: CompanyNetwork\User3 Successful login.
3/16/20 3:31:22 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
3/16/20 3:32:40 AM Audit Failure: CompanyNetwork\User4 Unknown username or bad password.
3/16/20 3:33:25 AM Audit Success: CompanyNetwork\User4 Successful login.

```

Which of the following attacks MOST likely occurred?

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

Answer: D

NEW QUESTION 49

The facilities supervisor for a government agency is concerned about unauthorized access to environmental systems in the event the staff WiFi network is

breached. Which of the following would BEST address this security concern?

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

Answer: D

NEW QUESTION 50

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

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 56

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

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

Answer: AC

NEW QUESTION 58

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

- A. MaaS
- B. IaaS
- C. SaaS
- D. PaaS

Answer: D

NEW QUESTION 63

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 67

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 71

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

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

Answer: D

NEW QUESTION 76

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 77

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

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

Answer: D

NEW QUESTION 82

Which of the following refers to applications and systems that are used within an organization without consent or approval?

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

Answer: A

NEW QUESTION 86

A security analyst needs to complete an assessment. The analyst is logged into a server and must use native tools to map services running on it to the server's listening ports. Which of the following tools can BEST accomplish this task?

- A. Netcat
- B. Netstat
- C. Nmap
- D. Nessus

Answer: B

NEW QUESTION 87

A user is concerned that a web application will not be able to handle unexpected or random input without crashing. Which of the following BEST describes the type of testing the user should perform?

- A. Code signing
- B. Fuzzing
- C. Manual code review
- D. Dynamic code analysis

Answer: D

NEW QUESTION 92

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

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

Answer: C

NEW QUESTION 93

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 98

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

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

Answer: EF

NEW QUESTION 103

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

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

Answer: A

NEW QUESTION 107

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 112

A security analyst sees the following log output while reviewing web logs:

```
[02/Feb/2019:03:39:21 -0000] 23.35.212.99 12.59.34.88 - "GET /uri/input.action?query=%2f..%2f..%2f..%2fetc%2fpasswd HTTP/1.0" 80/200 200
[02/Feb/2019:03:39:25 -0000] 23.35.212.99 12.59.34.88 - "GET /uri/input.action?query=../../../../etc/passwd HTTP/1.0" 80 200 200
```

Which of the following mitigation strategies would be BEST to prevent this attack from being successful?

- A. Secure cookies
- B. Input validation
- C. Code signing
- D. Stored procedures

Answer: B

NEW QUESTION 114

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

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

Answer: C

NEW QUESTION 115

A company wants to deploy PKI on its Internet-facing website. The applications that are currently deployed are:

- www.company.com (main website)
- contactus.company.com (for locating a nearby location)
- quotes.company.com (for requesting a price quote)

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

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

Answer: B

NEW QUESTION 117

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

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

Answer: B

NEW QUESTION 121

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:cBqYjal6ToV3jEIJHUSKtjjVzignVd4Cz+1fhTM6+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 122

Which of the following algorithms has the SMALLEST key size?

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

Answer: B

NEW QUESTION 123

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 128

An employee has been charged with fraud and is suspected of using corporate assets. As authorities collect evidence, and to preserve the admissibility of the evidence, which of the following forensic techniques should be used?

- A. Order of volatility
- B. Data recovery
- C. Chain of custody
- D. Non-repudiation

Answer: C

NEW QUESTION 129

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

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

Which of the following is the security analyst observing?

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

Answer: C

NEW QUESTION 130

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 132

A network administrator has been asked to design a solution to improve a company's security posture. The administrator is given the following requirements?

- The solution must be inline in the network
- The solution must be able to block known malicious traffic
- The solution must be able to stop network-based attacks

Which of the following should the network administrator implement to BEST meet these requirements?

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

Answer: D

NEW QUESTION 135

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

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

Answer: C

NEW QUESTION 138

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 139

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

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

Answer: B

NEW QUESTION 140

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 142

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

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

Answer: AD

NEW QUESTION 146

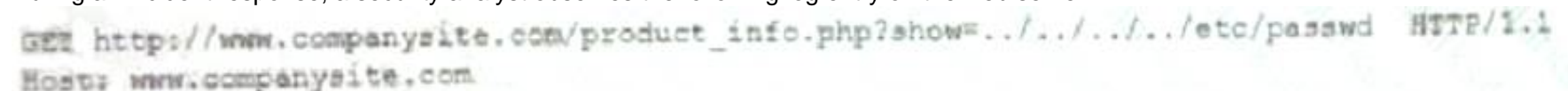
A cybersecurity administrator has a reduced team and needs to operate an on-premises network and security infrastructure efficiently. To help with the situation, the administrator decides to hire a service provider. Which of the following should the administrator use?

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

Answer: D

NEW QUESTION 149

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



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

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

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

Answer: B

NEW QUESTION 153

Which of the following is the purpose of a risk register?

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

Answer: C

NEW QUESTION 157

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 158

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 162

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

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

Answer: D

NEW QUESTION 164

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 168

An organization suffered an outage and a critical system took 90 minutes to come back online. Though there was no data loss during the outage, the expectation was that the critical system would be available again within 60 minutes Which of the following is the 60-minute expectation an example of:

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

Answer: D

NEW QUESTION 172

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 175

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 179

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 181

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

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

Answer: A

NEW QUESTION 184

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

- A. 1
- B. 5
- C. 6

Answer: B

NEW QUESTION 186

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

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

Answer: A

NEW QUESTION 191

A security analyst is reviewing a new website that will soon be made publicly available. The analyst sees the following in the URL:

<http://dev-site.comptia.org/home/show.php?sessionID=77276554&loc=us>

The analyst then sends an internal user a link to the new website for testing purposes, and when the user clicks the link, the analyst is able to browse the website with the following URL:

<http://dev-site.comptia.org/home/show.php?sessionID=98988475&loc=us> Which of the following application attacks is being tested?

- A. Pass-the-hash
- B. Session replay

- C. Object deference
- D. Cross-site request forgery

Answer: B

NEW QUESTION 193

The SOC is reviewing process and procedures after a recent incident. The review indicates it took more than 30 minutes to determine that quarantining an infected host was the best course of action. The allowed the malware to spread to additional hosts before it was contained. Which of the following would be BEST to improve the incident response process?

- A. Updating the playbooks with better decision points
- B. Dividing the network into trusted and untrusted zones
- C. Providing additional end-user training on acceptable use
- D. Implementing manual quarantining of infected hosts

Answer: A

NEW QUESTION 194

A security analyst is reviewing information regarding recent vulnerabilities. Which of the following will the analyst MOST likely consult to validate which platforms have been affected?

- A. OSINT
- B. SIEM
- C. CVSS
- D. CVE

Answer: D

NEW QUESTION 195

Which of the following will MOST likely adversely impact the operations of unpatched traditional programmable-logic controllers, running a back-end LAMP server and OT systems with human-management interfaces that are accessible over the Internet via a web interface? (Choose two.)

- A. Cross-site scripting
- B. Data exfiltration
- C. Poor system logging
- D. Weak encryption
- E. SQL injection
- F. Server-side request forgery

Answer: DF

NEW QUESTION 196

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 197

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

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

Answer: D

NEW QUESTION 198

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 203

A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites. INSTRUCTIONS

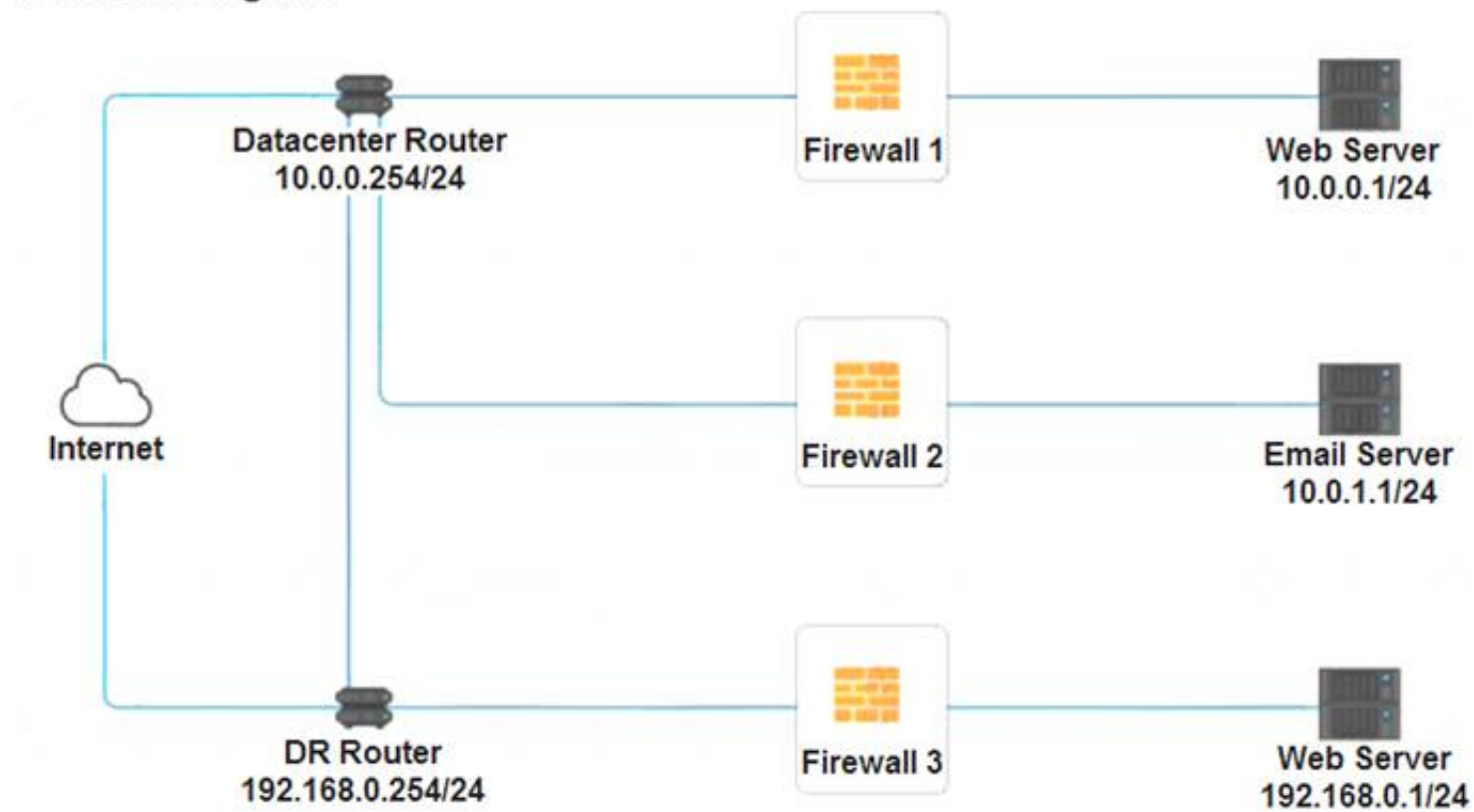
Click on each firewall to do the following:

- 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	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY DNS HTTP HTTPS TELNET SSH </div>	<div> <div></div> <div>▼</div> </div> <div> PERMIT DENY </div>
HTTPS Outbound	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY DNS HTTP HTTPS TELNET SSH </div>	<div> <div></div> <div>▼</div> </div> <div> PERMIT DENY </div>
Management	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY DNS HTTP HTTPS TELNET SSH </div>	<div> <div></div> <div>▼</div> </div> <div> PERMIT DENY </div>
HTTPS Inbound	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY DNS HTTP HTTPS TELNET SSH </div>	<div> <div></div> <div>▼</div> </div> <div> PERMIT DENY </div>
HTTP Inbound	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div> <div></div> <div>▼</div> </div> <div> ANY DNS HTTP HTTPS TELNET SSH </div>	<div> <div></div> <div>▼</div> </div> <div> PERMIT DENY </div>

Reset Answer
Save
Close

Firewall 2
✕

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

Reset Answer
Save
Close

Firewall 3
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; 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	•
<div>Reset Answer</div> <div>Save</div> <div>Close</div>					

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	•
<div>Reset Answer</div> <div>Save</div> <div>Close</div>					

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	•
<div>Reset Answer</div> <div>Save</div> <div>Close</div>					

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

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

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

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 205

The Chief Executive Officer (CEO) of an organization would like staff members to have the flexibility to work from home anytime during business hours, incident during a pandemic or crisis. However, the CEO is concerned that some staff members may take advantage of the of the flexibility and work from high-risk countries while on holidays work to a third-party organization in another country. The Chief information Officer (CIO) believes the company can implement some basic to mitigate the majority of the risk. Which of the following would be BEST to mitigate CEO's concern? (Select TWO).

- A. Geolocation
- B. Time-of-day restrictions
- C. Certificates
- D. Tokens
- E. Geotagging
- F. Role-based access controls

Answer: AE

NEW QUESTION 207

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

- A. Verification
- B. Validation
- C. Normalization
- D. Staging

Answer: A

NEW QUESTION 212

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 215

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 218

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

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

Answer: D

NEW QUESTION 223

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 227

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

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

Answer: DE

NEW QUESTION 229

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

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

Answer: C

NEW QUESTION 234

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 239

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

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 10

Answer: C

NEW QUESTION 243

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

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

Answer: C

NEW QUESTION 246

A financial analyst is expecting an email containing sensitive information from a client. When the email arrives, the analyst receives an error and is unable to open the encrypted message. Which of the following is the MOST likely cause of the issue?

- A. The S/MIME plug-in is not enabled.
- B. The SLL certificate has expired.
- C. Secure IMAP was not implemented
- D. POP3S is not supported.

Answer: A

NEW QUESTION 250

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 254

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

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

Answer: B

NEW QUESTION 255

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

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

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

Answer: B

NEW QUESTION 260

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

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

Answer: C

NEW QUESTION 264

A consultant is configuring a vulnerability scanner for a large, global organization in multiple countries. The consultant will be using a service account to scan systems with administrative privileges on a weekly basis, but there is a concern that hackers could gain access to account to the account and pivot through the global network. Which of the following would be BEST to help mitigate this concern?

- A. Create consultant accounts for each region, each configured with push MFA notifications.
- B. Create one global administrator account and enforce Kerberos authentication
- C. Create different accounts for each regio
- D. limit their logon times, and alert on risky logins
- E. Create a guest account for each regio
- F. remember the last ten passwords, and block password reuse

Answer: C

NEW QUESTION 266

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

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

Answer: A

NEW QUESTION 267

A security engineer needs to implement an MDM solution that complies with the corporate mobile device policy. The policy states that in order for mobile users to access corporate resources on their devices the following requirements must be met:

- Mobile device OSs must be patched up to the latest release
- A screen lock must be enabled (passcode or biometric)
- Corporate data must be removed if the device is reported lost or stolen

Which of the following controls should the security engineer configure? (Select TWO)

- A. Containerization
- B. Storage segmentation
- C. Posturing
- D. Remote wipe
- E. Full-device encryption
- F. Geofencing

Answer: DE

NEW QUESTION 270

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 275

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

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

Answer: D

NEW QUESTION 276

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

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

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

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

Answer: A

NEW QUESTION 280

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