

## SY0-601 Dumps

### CompTIA Security+ Exam

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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 cybersecurity department purchased a 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 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**

Which of the following BEST explains the reason why a server administrator would place a document named password.txt on the desktop of an administrator account on a server?

- A. The document is a honeypot and is meant to attract the attention of a cyberintruder.
- B. The document is a backup file if the system needs to be recovered.
- C. The document is a standard file that the OS needs to verify the login credentials.
- D. The document is a keylogger that stores all keystrokes should the account be compromised.

**Answer: A**

**NEW QUESTION 5**

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 6**

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 7**

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 8

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

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

**Answer: C**

#### NEW QUESTION 9

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

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

**Answer: D**

#### NEW QUESTION 10

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 10

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 12

A security analyst is performing a packet capture on a series of SOAP HTTP requests for a security assessment. The analyst redirects the output to a file. After the capture is complete, the analyst needs to review the first transactions quickly and then search the entire series of requests for a particular string. Which of the following would be BEST to use to accomplish the task? (Select TWO).

- A. head
- B. Tcpdump
- C. grep
- D. rail
- E. curl
- F. openssl
- G. dd

**Answer: AB**

#### NEW QUESTION 13

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 15**

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"> <li>Botnet</li> <li>RAT</li> <li>Logic Bomb</li> <li>Backdoor</li> <li>Virus</li> <li>Spyware</li> <li>Worm</li> <li>Adware</li> <li>Ransomware</li> <li>Keylogger</li> <li>Phishing</li> </ul>	<ul style="list-style-type: none"> <li>Enable DDoS protection</li> <li>Patch vulnerable systems</li> <li>Disable vulnerable services</li> <li>Change the default system password</li> <li>Update the cryptographic algorithms</li> <li>Change the default application password</li> <li>Implement 2FA using push notification</li> <li>Conduct a code review</li> <li>Implement application fuzzing</li> <li>Implement a host-based IPS</li> <li>Disable remote access services</li> </ul>
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- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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**NEW QUESTION 16**

A symmetric encryption algorithm is BEST suited for:

- A. key-exchange scalability.
- B. protecting large amounts of data.
- C. providing hashing capabilities,
- D. implementing non-repudiation.

**Answer: D**

**NEW QUESTION 17**

A network technician is installing a guest wireless network at a coffee shop. When a customer purchases an item, the password for the wireless network is printed on the receipt so the customer can log in. Which of the following will the technician MOST likely configure to provide the highest level of security with the least amount of overhead?

- A. WPA-EAP
- B. WEP-TKIP
- C. WPA-PSK
- D. WPS-PIN

**Answer: A**

**NEW QUESTION 20**

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 23**

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 27**

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

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

**Answer:** D

**NEW QUESTION 30**

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 35**

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 36**

A Chief Information Security Officer (CISO) is concerned about the organization's ability to continue business operation in the event of a prolonged DDoS attack on its local datacenter that consumes database resources. Which of the following will the CISO MOST likely recommend to mitigate this risk?

- A. Upgrade the bandwidth available into the datacenter
- B. Implement a hot-site failover location
- C. Switch to a complete SaaS offering to customers
- D. Implement a challenge response test on all end-user queries

**Answer:** B

**NEW QUESTION 37**

Users have been issued smart cards that provide physical access to a building. The cards also contain tokens that can be used to access information systems. Users can log on to any thin client located throughout the building and see the same desktop each time. Which of the following technologies are being utilized to provide these capabilities? (Select TWO)

- A. COPE
- B. VDI
- C. GPS
- D. TOTP
- E. RFID
- F. BYOD

**Answer:** BE

**NEW QUESTION 38**

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 42

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

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

**Answer: A**

#### NEW QUESTION 43

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

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

**Answer: AB**

#### NEW QUESTION 47

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 51

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 56

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 58

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 59**

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 63**

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 68**

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 72**

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 76**

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

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

**Answer: C**

**NEW QUESTION 77**

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 82**

Which of the following scenarios BEST describes a risk reduction technique?

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

**Answer: B**

**NEW QUESTION 84**

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 85**

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

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

**Answer: A**

**NEW QUESTION 89**

An organization is developing an authentication service for use at the entry and exit ports of country borders. The service will use data feeds obtained from passport systems, passenger manifests, and high-definition video feeds from CCTV systems that are located at the ports. The service will incorporate machine-learning techniques to eliminate biometric enrollment processes while still allowing authorities to identify passengers with increasing accuracy over time. The more frequently passengers travel, the more accurately the service will identify them. Which of the following biometrics will MOST likely be used, without the need for enrollment? (Choose two.)

- A. Voice
- B. Gait
- C. Vein
- D. Facial
- E. Retina
- F. Fingerprint

**Answer: BD**

**NEW QUESTION 91**

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 95**

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

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

**Answer: B**

**NEW QUESTION 99**

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 103

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 106

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 108

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 110

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 112

A security analyst discovers several .jpg photos from a cellular phone during a forensics investigation involving a compromised system. The analyst runs a forensics tool to gather file metadata. Which of the following would be part of the images if all the metadata is still intact?

- A. The GPS location
- B. When the file was deleted
- C. The total number of print jobs
- D. The number of copies made

**Answer: A**

#### NEW QUESTION 117

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

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

**Answer: A**

#### NEW QUESTION 120

A cybersecurity analyst needs to implement secure authentication to third-party websites without users' passwords. Which of the following would be the BEST way to achieve this objective?

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

**Answer: C**

**NEW QUESTION 125**

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 129**

A cybersecurity analyst reviews the log files from a web server and sees a series of files that indicates a directory-traversal attack has occurred. Which of the following is the analyst MOST likely seeing?

A)

```
http://sample.url.com/<script>Please-Visit-Our-Phishing-Site</script>
```

B)

```
http://sample.url.com/someotherpageonsite/../../../../etc/shadow
```

C)

```
http://sample.url.com/select-from-database-where-password-null
```

D)

```
http://redirect.sample.url.sampleurl.com/malicious-dns-redirect
```

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

**Answer: B**

**NEW QUESTION 132**

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

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

**Answer: A**

**NEW QUESTION 133**

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 138**

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 analysis 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 142**

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 145**

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

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

**Answer: C**

**NEW QUESTION 150**

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

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

**Answer: B**

**NEW QUESTION 152**

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 155**

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

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

Which of the following attacks has occurred?

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

**Answer: E**

**NEW QUESTION 157**

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 162**

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 163**

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 167**

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

```
Hello everyone,  
I am having the same problem with my server. Can you help me?  
  
<script type="text/javascript" src=http://website.com/user.js>  
Onload=sqlexec();  
</script>  
  
Thank you,  
  
Joe
```

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

- A. SOU attack
- B. DLL attack
- C. XSS attack
- D. API attack

**Answer: C**

**NEW QUESTION 171**

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 175**

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 177**

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

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

**Answer:** D

**NEW QUESTION 178**

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 180**

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.

The image shows a simulation interface with two main panels. The left panel, titled 'Commands', contains a list of terminal 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`, and `ssh -i ~/.ssh/id_rsa user@server`. The right panel, titled 'SSH Client', shows a terminal window with a question mark icon, indicating a connection attempt or error.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 182**

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

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

**Answer: B**

**NEW QUESTION 183**

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

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

**Answer: C**

**NEW QUESTION 186**

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 189**

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 194**

A security administrator needs to create a RAID configuration that is focused on high read speeds and fault tolerance. It is unlikely that multiple drives 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 196**

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

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

**Answer: C**

**NEW QUESTION 198**

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 201**

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 205**

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 209**

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=222233334&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 211**

An organization routes all of its traffic through a VPN. Most users are remote and connect into a corporate datacenter that houses confidential information. There is a firewall at the Internet border followed by a DLP appliance, the VPN server and the datacenter itself. Which of the following is the WEAKEST design element?

- A. The DLP appliance should be integrated into a NGFW.
- B. Split-tunnel connections can negatively impact the DLP appliance's performance.
- C. Encrypted VPN traffic will not be inspected when entering or leaving the network.
- D. Adding two hops in the VPN tunnel may slow down remote connections.

**Answer: C**

**NEW QUESTION 212**

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. Nmap
- B. Heat maps
- C. Network diagrams
- D. Wireshark

**Answer: C**

**NEW QUESTION 214**

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 216**

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 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 region.
- D. Limit their logon times, and alert on risky logins.
- E. Create a guest account for each region.
- F. Remember the last ten passwords, and block password reuse.

**Answer: C**

**NEW QUESTION 221**

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 225**

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 229**

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

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

**Answer:** A

**NEW QUESTION 232**

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 236**

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

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

**Answer:** AB

**NEW QUESTION 241**

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 244**

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