CompTIA

Exam Questions SY0-601

CompTIA Security+ Exam

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

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

Answer: A

NEW QUESTION 2
Which of the following 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 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
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 7

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

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

Answer: D

NEW QUESTION 8

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 9

A security engineer needs to enhance MFA access to sensitive areas in a building. A key card and fingerprint scan are already in use. Which of the following would add another factor of authentication?

A. Hard token
B. Retina scan
C. SMS text
D. Keypad PIN

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 NetFtow records
• AH three at the organization's DNS servers show the website correctly resolves to the legitimate IP
• DNS query logs show one of the three DNS servers returned a result of 10.2.12.99 (cached) at the approximate time of the suspected compromise.
Which of the following MOST likely occurred?

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

Answer: B

NEW QUESTION 10

A user contacts the help desk to report the following:

≫ Two days ago, a pop-up browser window prompted the user for a name and password after connecting to the corporate wireless SSID. This had never happened before, but the user entered the information as requested.

≫ The user was able to access the Internet but had trouble accessing the department share until the next day.

≫ The user is now getting notifications from the bank about unauthorized transactions. Which of the following attack vectors was MOST likely used in this scenario?

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

Answer: A

NEW QUESTION 15

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

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

Answer: A

NEW QUESTION 16

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

TWO.)

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

Answer: AD

NEW QUESTION 18
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 20
Which of the following job roles would sponsor data quality and data entry initiatives that ensure business and regulatory requirements are met?

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

Answer: C

NEW QUESTION 22
A network engineer needs to build a solution that will allow guests at the company's headquarters to access the Internet via WiFi. This solution should not allow access to the internal corporate network, but it should require guests to sign off on the acceptable use policy before accessing the Internet. Which of the following should the engineer employ to meet these requirements?

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

Answer: D

NEW QUESTION 27
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 32
A security engineer is reviewing log files after a third discovered usernames and passwords for the organization's accounts. The engineer sees there was a change in the IP address for a vendor website one earlier. This change lasted eight hours. Which of the following attacks was MOST likely used?

A. Man-in- the middle
B. Spear-phishing
C. Evil twin
D. DNS poising

Answer: D

NEW QUESTION 36
Which of the following BEST explains the difference between a data owner and a data custodian?

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

Answer: B

NEW QUESTION 39
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 40
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 recent 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 45
The facilities supervisor for a government agency is concerned about unauthorized access to environmental systems in the event the staff WiFi network is breached. Which of the blowing would BEST address this security concern?

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

Answer: D

NEW QUESTION 50
A document that appears to be malicious has been discovered in an email that was sent to a company's Chief Financial Officer (CFO). Which of the following would be BEST to allow a security analyst to gather information and confirm it is a malicious document without executing any code it may contain?

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

Answer: D

NEW QUESTION 54
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 59
A smart retail business has a local store and a newly established and growing online storefront. A recent storm caused a power outage to the business and the local ISP, resulting in several hours of lost sales and delayed order processing. The business owner now needs to ensure two things:
* Protection from power outages
* Always-available connectivity In case of an outage
The owner has decided to implement battery backups for the computer equipment Which of the following would BEST fulfill the owner's second need?

A. Lease a point-to-point circuit to provide dedicated access.
B. Connect the business router to its own dedicated UPS.
C. Purchase services from a cloud provider for high availability
D. Replace the business's wired network with a wireless network.

Answer: C

NEW QUESTION 64
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 68
A security analyst is looking for a solution to help communicate to the leadership team the seventy levels of the organization's vulnerabilities. Which of the following would BEST meet this need?

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

Answer: D

NEW QUESTION 71
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 76
A security auditor is reviewing vulnerability scan data provided by an internal security team. Which of the following BEST indicates that valid credentials were used?

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

Answer: B

NEW QUESTION 80
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 85
Which of the following describes the ability of code to target a hypervisor from inside

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

Answer: B

NEW QUESTION 88
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 90
The following is an administrative control that would be MOST effective to reduce the occurrence of malware execution?

A. Security awareness training

B. Frequency of NIDS updates
C. Change control procedures
D. EDR reporting cycle

Answer: A

NEW QUESTION 93
An auditor is performing an assessment of a security appliance with an embedded OS that was vulnerable during the last two assessments. Which of the following BEST explains the appliance's vulnerable state?

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

Answer: C

NEW QUESTION 95
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 99
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 101
A security engineer needs to Implement the following requirements:
• All Layer 2 switches should leverage Active Directory tor authentication.
• All Layer 2 switches should use local fallback authentication If Active Directory Is offline.
• All Layer 2 switches are not the same and are manufactured by several vendors.
Which of the following actions should the engineer take to meet these requirements? (Select TWO).

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

Answer: AB

NEW QUESTION 103
A security analyst sees the following log output while reviewing web logs:

```
[02/Feb/2019:03:39:21 -0000] 23.35.212.59 12.59.34.68 - "GET /uri/input.action?query=%2f..%2f..%2f..%2fetc%2fpasswd HTTP/1.0" 80 200 200
[02/Feb/2019:03:39:55 -0000] 23.35.212.99 12.59.34.86 - "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 104
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 105
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 109
Which of the following algorithms has the SMALLEST key size?

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

Answer: B

NEW QUESTION 114
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 119
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 io 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 122
An organization's help desk is flooded with phone calls from users stating they can no longer access certain websites. The help desk escalates the issue to the security team, as these websites were accessible the previous day. The security analysts run the following command: ipconfig /flushdns, but the issue persists. Finally, an analyst changes the DNS server for an impacted machine, and the issue goes away. Which of the following attacks MOST likely occurred on the original DNS server?

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

Answer: B

NEW QUESTION 127
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 128
An organization has a growing workforce that is mostly driven by additions to the sales department. Each newly hired salesperson relies on a mobile device to conduct business. The Chief Information Officer (CIO) is wondering it the organization may need to scale down just as quickly as it scaled up. The CIO is also concerned about the organization's security and customer privacy. Which of the following would be BEST to address the CIO's concerns?

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

Answer: C

NEW QUESTION 132
Joe, an employee, receives an email stating he won the lottery. The email includes a link that requests a name, mobile phone number, address, and date of birth be provided to confirm Joe's identity before sending him the prize. Which of the following BEST describes this type of email?

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

Answer: C

NEW QUESTION 133
A company has limited storage available and online presence that cannot for more than four hours. Which of the following backup methodologies should the company implement to allow for the FASTEST database restore time In the event of a failure, which being maindful of the limited available storage space?

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

Answer: B

NEW QUESTION 135
The manager who is responsible for a data set has asked a security engineer to apply encryption to the data on a hard disk. The security engineer is an example of a:

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

Answer: D

NEW QUESTION 136
A recent malware outbreak across a subnet included successful rootkit installations on many PCs, ensuring persistence by rendering remediation efforts ineffective. Which of the following would BEST detect the presence of a rootkit in the future?

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

Answer: C

NEW QUESTION 141
A cybersecurity 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 145
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 149
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 151
A Chief Executive Officer's (CEO) personal information was stolen in a social engineering attack. Which of the following sources would reveal if the CEO's personal information is for sale?

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

Answer: C

NEW QUESTION 152
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 153
A security modern may have occurred on the desktop PC of an organization's Chief Executive Officer (CEO) A duplicate copy of the CEO's hard drive must be stored securely to ensure appropriate forensic processes and the chain of custody are followed. Which of the following should be performed to accomplish this task?

A. Install a new hard drive in the CEO's PC, and then remove the old hard drive and place it in a tamper-evident bag
B. Connect a write blocker to the hard drive Then leveraging a forensic workstation, utilize the dd command m a live Linux environment to create a duplicate copy
C. Remove the CEO's hard drive from the PC, connect to the forensic workstation, and copy all the contents onto a remote fileshare while the CEO watches
D. Refrain from completing a forensic 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 154
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 155
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 159
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
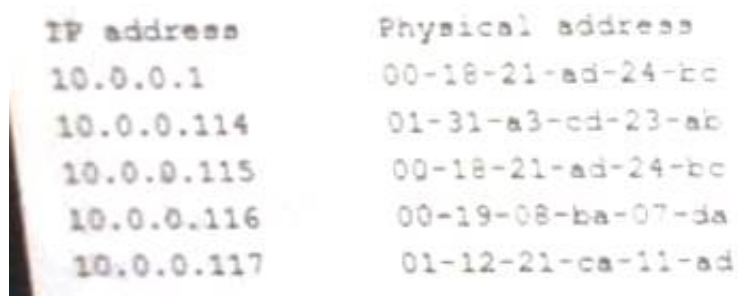
Answer: B

NEW QUESTION 161
Local guidelines require that all information systems meet a minimum-security baseline to be compliant. Which of the following can security administrators use to assess their system configurations against the baseline?

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

Answer: D

NEW QUESTION 162
A security analyst is investigation an incident that was first reported as an issue connecting to network shares and the internet, While reviewing logs and tool output, the analyst sees the following:

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 165
Which of the following are requirements that must be configured for PCI DSS compliance? (Select TWO).

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

Answer: BD

NEW QUESTION 167
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 170

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 175

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.
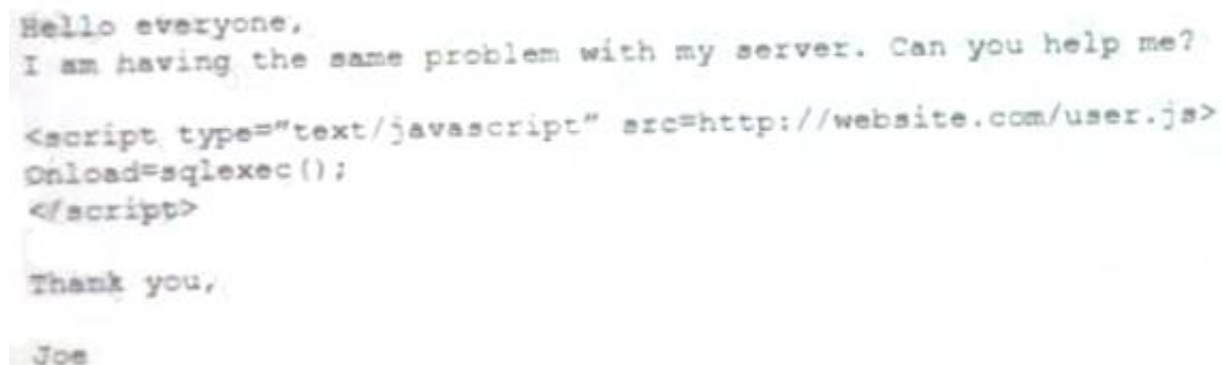
Answer: D

NEW QUESTION 180

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

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

Answer: A

NEW QUESTION 183

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 187

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 189
Which of the following provides the BEST protection for sensitive information and data stored in cloud-based services but still allows for full functionality and searchability of data within the cloud-based services?

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

Answer: A

NEW QUESTION 193
An organization has implemented a policy requiring the use of conductive metal lockboxes for personal electronic devices outside of a secure research lab. Which of the following did the organization determine to be the GREATEST risk to intellectual property when creating this policy?

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

Answer: D

NEW QUESTION 197
In which of the following risk management strategies would cybersecurity insurance be used?

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

Answer: A

NEW QUESTION 199
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 201
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 204
An organization just experienced a major cyberattack modem. The attack was well coordinated sophisticated and highly skilled. Which of the following targeted the organization?

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

Answer: D

NEW QUESTION 206
When selecting a technical solution for identity management, an architect chooses to go from an in-house to a third-party SaaS provider. Which of the following risk management strategies is this an example of?

A. Acceptance
B. Mitigation
C. Avoidance

D. Transference

Answer: D

NEW QUESTION 211
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 214
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 215
While checking logs, a security engineer notices a number of end users suddenly downloading files with the .t ar.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 fireless virus is spreading in the local network environment.

Answer: A

NEW QUESTION 216
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 220
A security administrator needs to create a RAIS configuration that is focused on high read speeds and fault tolerance. It is unlikely that multiple drivers will fail simultaneously. Which of the following RAID configurations should the administration use?

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

Answer: C

NEW QUESTION 223
A database administrator needs to ensure all passwords are stored in a secure manner, so the administrate adds randomly generated data to each password before string. Which of the following techniques BEST explains this action?

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

Answer: C

NEW QUESTION 224
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 229
Which of the following types of controls is a turnstile?

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

Answer: A

NEW QUESTION 232
A company has determined that if its computer-based manufacturing is not functioning for 12 consecutive hours, it will lose more money that it costs to maintain the equipment. Which of the following must be less than 12 hours to maintain a positive total cost of ownership?

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

Answer: C

NEW QUESTION 233
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:

`<a href="https://www.company.com/payto.do?routing=000011114&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 234
A Chief Security Officer (CSO) is concerned about the amount of PII that is stored locally on each salesperson's laptop. The sales department has a higher-than-average rate of lost equipment. Which of the following recommendations would BEST address the CSO's concern?

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

Answer: B

NEW QUESTION 237
Which of the following would be the BEST resource lor a software developer who is looking to improve secure coding practices for web applications?

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

Answer: A

NEW QUESTION 242
A network engineer needs to create a plan for upgrading the wireless infrastructure in a large office Priority must be given to areas that are currently experiencing latency and connection issues. Which of the following would be the BEST resource for determining the order of priority?

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

Answer: C

NEW QUESTION 243
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 245
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 248
A small business just recovered from a ransomware attack against its file servers by purchasing the decryption keys from the attackers. The issue was triggered by a phishing email and the IT administrator wants to ensure it does not happen again. Which of the following should the IT administrator do FIRST after recovery?

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

Answer: A

NEW QUESTION 250
A security analyst discovers that a company username and password database was posted on an internet forum. The username and passwords are stored in plan text. Which of the following would mitigate the damage done by this type of data exfiltration in the future?

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

Answer: A

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

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

Answer: D

NEW QUESTION 254
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 256
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 257
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 262
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 267
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 272
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 274
Which of the following ISO standards is certified for privacy?

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

Answer: C

NEW QUESTION 275

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