

QUESTION 169

An attacker is attempting to exploit users by creating a fake website with the URL users. Which of the following social-engineering attacks does this describe?

- A. Information elicitation
- B. Typo squatting
- C. Impersonation
- D. Watering-hole attack

Correct Answer: D

QUESTION 170

An organization has decided to host its web application and database in the cloud. Which of the following BEST describes the security concerns for this decision?

- A. Access to the organization's servers could be exposed to other cloud-provider clients
- B. The cloud vendor is a new attack vector within the supply chain
- C. Outsourcing the code development adds risk to the cloud provider
- D. Vendor support will cease when the hosting platforms reach EOL.

Correct Answer: B

Explanation:

Supply chain attacks piggyback legitimate processes to gain uninhibited access into a business's ecosystem. This attack begins with infiltrating a vendor's security defences. This process is usually much simpler than attacking a victim directly due to the unfortunate myopic cybersecurity practices of many vendors.

<https://www.wired.com/story/hacker-lexicon-what-is-a-supply-chain-attack/#:~:text=That%20insidious%20and%20increasingly%20common,piece%20of%20software%20or%20hardware.>

<https://resources.infosecinstitute.com/topic/cloud-computing-attacks-vectors-and-counter-measures/>

QUESTION 171

A company recently experienced an attack in which a malicious actor was able to exfiltrate data by cracking stolen passwords, using a rainbow table the sensitive data. Which of the following should a security engineer do to prevent such an attack in the future?

- A. Use password hashing.
- B. Enforce password complexity.
- C. Implement password salting.
- D. Disable password reuse.

Correct Answer: D

QUESTION 172

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. openssi
- G. dd

Correct Answer: AC

Explanation:

A: "analyst needs to review the first transactions quickly"

C: "search the entire series of requests for a particular string"

QUESTION 173

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.

Correct Answer: B

QUESTION 174

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.

Correct Answer: A

QUESTION 175

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

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

Correct Answer: B

Explanation:

Application whitelisting is the practice of specifying an index of approved software applications or executable files that are permitted to be present and active on a computer system. The goal of whitelisting is to protect computers and networks from potentially harmful applications. In general, a whitelist is an index of approved entities. In information security (infosec), whitelisting works best in centrally managed environments, where systems are subject to a consistent workload.
<https://searchsecurity.techtarget.com/definition/application-whitelisting>

QUESTION 176

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

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

Correct Answer: A

QUESTION 177

A security analyst is configuring a large number of new company-issued laptops. The analyst received the following requirements:

- The devices will be used internationally by staff who travel extensively.
- Occasional personal use is acceptable due to the travel requirements.
- Users must be able to install and configure sanctioned programs and productivity suites.
- The devices must be encrypted.
- The devices must be capable of operating in low-bandwidth environments.

Which of the following would provide the GREATEST benefit to the security posture of the devices?

- A. Configuring an always-on VPN
- B. Implementing application whitelisting
- C. Requiring web traffic to pass through the on-premises content filter
- D. Setting the antivirus DAT update schedule to weekly

Correct Answer: A

Explanation:

<https://docs.microsoft.com/en-us/windows-server/remote/remote-access/vpn/always-on-vpn/always-on-vpn-technology-overview>

QUESTION 178

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

Correct Answer: B

Explanation:

A Cloud access security broker , or CASB, is cloud-hosted software or on-premises software or hardware that act as an intermediary between users and cloud service providers.

QUESTION 179

A security analyst is reviewing the output of a web server log and notices a particular account is attempting to transfer large amounts of money:

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GET http://yourbank.com/transfer.do?acctnum=087646958&amount=500000 HTTP/1.1
GET http://yourbank.com/transfer.do?acctnum=087646958&amount=5000000 HTTP/1.1
GET http://yourbank.com/transfer.do?acctnum=087646958&amount=1000000 HTTP/1.1
GET http://yourbank.com/transfer.do?acctnum=087646958&amount=500 HTTP/1.1
```

Which of the following types of attack is MOST likely being conducted?

- A. SQLi
- B. CSRF
- C. Session replay
- D. API

Correct Answer: B

QUESTION 180

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

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

Correct Answer: B

Explanation:

"To obtain a forensically sound image from nonvolatile storage, you need to ensure that nothing you do alters data or metadata (properties) on the source disk or file system. A write blocker assures this process by preventing any data on the disk or volume from being changed by filtering write commands at the driver and OS level. Data acquisition would normally proceed by attaching the target device to a forensics workstation or field capture device equipped with a write blocker."

For purposes of knowing, <https://security.opentext.com/tableau/hardware/details/t8u> write blockers like this are the most popular hardware blockers

QUESTION 181

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

Correct Answer: ADG

QUESTION 182

Following a prolonged datacenter outage that affected web-based sales, a company has decided to move its operations to a private cloud solution. The security team has received the following requirements:

- There must be visibility into how teams are using cloud-based services.
- The company must be able to identify when data related to payment cards is being sent to the cloud.
- Data must be available regardless of the end user's geographic location.
- Administrators need a single pane-of-glass view into traffic and trends.

Which of the following should the security analyst recommend?

- A. Create firewall rules to restrict traffic to other cloud service providers.
- B. Install a DLP solution to monitor data in transit.
- C. Implement a CASB solution.
- D. Configure a web-based content filter.

Correct Answer: B

QUESTION 183

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

Correct Answer: D

QUESTION 184

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