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QUESTION: 1

An attacker attempts to create a DoS event against the VoIP system of a company. The attacker uses a tool to flood the network with a large number of SIP INVITE traffic. Which of the following would be LEAST likely to thwart such an attack?

- A. Install IDS/IPS systems on the network
- B. Force all SIP communication to be encrypted
- C. Create separate VLANs for voice and data traffic
- D. Implement QoS parameters on the switches

Answer: D

QUESTION: 2

Joe, the Chief Executive Officer (CEO), was an Information security professor and a Subject Matter Expert for over 20 years. He has designed a network defense method which he says is significantly better than prominent international standards. He has recommended that the company use his cryptographic method. Which of the following methodologies should be adopted?

- A. The company should develop an in-house solution and keep the algorithm a secret.
- B. The company should use the CEO's encryption scheme.
- C. The company should use a mixture of both systems to meet minimum standards.
- D. The company should use the method recommended by other respected information security organizations.

Answer: D

QUESTION: 3

A small company's Chief Executive Officer (CEO) has asked its Chief Security Officer (CSO) to improve the company's security posture quickly with regard to targeted attacks. Which of the following should the CSO conduct FIRST?

- A. Survey threat feeds from services inside the same industry.
- B. Purchase multiple threat feeds to ensure diversity and implement blocks for malicious traffic.
- C. Conduct an internal audit against industry best practices to perform a qualitative analysis.
- D. Deploy a UTM solution that receives frequent updates from a trusted industry vendor.

Answer: A

QUESTION: 4

An administrator wants to enable policy based flexible mandatory access controls on an open

source OS to prevent abnormal application modifications or executions. Which of the following would BEST accomplish this?

- A. Access control lists
- B. SELinux
- C. IPtables firewall
- D. HIPS

Answer: B

QUESTION: 5

Company XYZ has purchased and is now deploying a new HTML5 application. The company wants to hire a penetration tester to evaluate the security of the client and server components of the proprietary web application before launch. Which of the following is the penetration tester MOST likely to use while performing black box testing of the security of the company's purchased application? (Select TWO).

- A. Code review
- B. Sandbox
- C. Local proxy
- D. Fuzzer
- E. Port scanner

Answer: C, D

QUESTION: 6

A developer is determining the best way to improve security within the code being developed. The developer is focusing on input fields where customers enter their credit card details. Which of the following techniques, if implemented in the code, would be the MOST effective in protecting the fields from malformed input?

- A. Client side input validation
- B. Stored procedure
- C. Encrypting credit card details
- D. Regular expression matching

Answer: D

QUESTION: 7

A Chief Financial Officer (CFO) has raised concerns with the Chief Information Security Officer (CISO) because money has been spent on IT security infrastructure, but corporate assets are still found to be vulnerable. The business recently funded a patch management

product and SOE hardening initiative. A third party auditor reported findings against the business because some systems were missing patches. Which of the following statements BEST describes this situation?

- A. The CFO is at fault because they are responsible for patching the systems and have already been given patch management and SOE hardening products.
- B. The audit findings are invalid because remedial steps have already been applied to patch servers and the remediation takes time to complete.
- C. The CISO has not selected the correct controls and the audit findings should be assigned to them instead of the CFO.
- D. Security controls are generally never 100% effective and gaps should be explained to stakeholders and managed accordingly.

Answer: D

QUESTION: 8

A new piece of ransomware got installed on a company's backup server which encrypted the hard drives containing the OS and backup application configuration but did not affect the deduplication data hard drives. During the incident response, the company finds that all backup tapes for this server are also corrupt. Which of the following is the PRIMARY concern?

- A. Determining how to install HIPS across all server platforms to prevent future incidents
- B. Preventing the ransomware from re-infecting the server upon restore
- C. Validating the integrity of the deduplicated data
- D. Restoring the data will be difficult without the application configuration

Answer: D

QUESTION: 9

The security engineer receives an incident ticket from the helpdesk stating that DNS lookup requests are no longer working from the office. The network team has ensured that Layer 2 and Layer 3 connectivity are working. Which of the following tools would a security engineer use to make sure the DNS server is listening on port 53?

- A. PING
- B. NESSUS
- C. NSLOOKUP
- D. NMAP

Answer: D

QUESTION: 10

A large enterprise acquires another company which uses antivirus from a different vendor. The CISO has requested that data feeds from the two different antivirus platforms be combined in a way that allows management to assess and rate the overall effectiveness of antivirus across the entire organization. Which of the following tools can BEST meet the CISO's requirement?

- A. GRC
- B. IPS
- C. CMDB
- D. Syslog-ng
- E. IDS

Answer: A

QUESTION: 11

Due to a new regulatory requirement, ABC Company must now encrypt all WAN transmissions. When speaking with the network administrator, the security administrator learns that the existing routers have the minimum processing power to do the required level of encryption. Which of the following solutions minimizes the performance impact on the router?

- A. Deploy inline network encryption devices
- B. Install an SSL acceleration appliance
- C. Require all core business applications to use encryption
- D. Add an encryption module to the router and configure IPSec

Answer: A

QUESTION: 12

The source workstation image for new accounting PCs has begun blue-screening. A technician notices that the date/time stamp of the image source appears to have changed. The desktop support director has asked the Information Security department to determine if any changes were made to the source image. Which of the following methods would BEST help with this process? (Select TWO).

- A. Retrieve source system image from backup and run file comparison analysis on the two images.
- B. Parse all images to determine if extra data is hidden using steganography.
- C. Calculate a new hash and compare it with the previously captured image hash.
- D. Ask desktop support if any changes to the images were made.
- E. Check key system files to see if date/time stamp is in the past six months.

Answer: A, C

QUESTION: 13

The risk manager is reviewing a report which identifies a requirement to keep a business critical legacy system operational for the next two years. The legacy system is out of support because the vendor and security patches are no longer released. Additionally, this is a proprietary embedded system and little is documented and known about it. Which of the following should the Information Technology department implement to reduce the security risk from a compromise of this system?

- A. Virtualize the system and migrate it to a cloud provider.
- B. Segment the device on its own secure network.
- C. Install an antivirus and HIDS on the system.
- D. Hire developers to reduce vulnerabilities in the code.

Answer: B

QUESTION: 14

An organization has decided to reduce labor costs by outsourcing back office processing of credit applications to a provider located in another country. Data sovereignty and privacy concerns raised by the security team resulted in the third-party provider only accessing and processing the data via remote desktop sessions. To facilitate communications and improve productivity, staff at the third party has been provided with corporate email accounts that are only accessible via the remote desktop sessions. Email forwarding is blocked and staff at the third party can only communicate with staff within the organization. Which of the following additional controls should be implemented to prevent data loss? (Select THREE).

- A. Implement hashing of data in transit
- B. Session recording and capture
- C. Disable cross session cut and paste
- D. Monitor approved credit accounts
- E. User access audit reviews
- F. Source IP whitelisting

Answer: C, E, F

QUESTION: 15

The technology steering committee is struggling with increased requirements stemming from an increase in telecommuting. The organization has not addressed telecommuting in the past. The implementation of a new SSL-VPN and a VOIP phone solution enables personnel to work from remote locations with corporate assets. Which of the following steps must the committee take FIRST to outline senior management's directives?

- A. Develop an information classification scheme that will properly secure data on corporate systems.
- B. Implement database views and constrained interfaces so remote users will be unable to



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