

312-50v10 Dumps

Certified Ethical Hacker v10

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NEW QUESTION 1

- (Exam Topic 1)

What would you enter, if you wanted to perform a stealth scan using Nmap?

- A. nmap -sU
- B. nmap -sS
- C. nmap -sM
- D. nmap -sT

Answer: B

NEW QUESTION 2

- (Exam Topic 1)

The Payment Card Industry Data Security Standard (PCI DSS) contains six different categories of control objectives. Each objective contains one or more requirements, which must be followed in order to achieve compliance. Which of the following requirements would best fit under the objective, "Implement strong access control measures"?

- A. Regularly test security systems and processes.
- B. Encrypt transmission of cardholder data across open, public networks.
- C. Assign a unique ID to each person with computer access.
- D. Use and regularly update anti-virus software on all systems commonly affected by malware.

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

Log monitoring tools performing behavioral analysis have alerted several suspicious logins on a Linux server occurring during non-business hours. After further examination of all login activities, it is noticed that none of the logins have occurred during typical work hours. A Linux administrator who is investigating this problem realizes the system time on the Linux server is wrong by more than twelve hours. What protocol used on Linux servers to synchronize the time has stopped working?

- A. Time Keeper
- B. NTP
- C. PPP
- D. OSPP

Answer: B

NEW QUESTION 4

- (Exam Topic 1)

Chandler works as a pen-tester in an IT-firm in New York. As a part of detecting viruses in the systems, he uses a detection method where the anti-virus executes the malicious codes on a virtual machine to simulate CPU and memory activities.

Which type of virus detection method did Chandler use in this context?

- A. Heuristic Analysis
- B. Code Emulation
- C. Integrity checking
- D. Scanning

Answer: B

NEW QUESTION 5

- (Exam Topic 1)

If an attacker uses the command `SELECT*FROM user WHERE name = 'x' AND userid IS NULL; --'`; which type of SQL injection attack is the attacker performing?

- A. End of Line Comment
- B. UNION SQL Injection
- C. Illegal/Logically Incorrect Query
- D. Tautology

Answer: D

NEW QUESTION 6

- (Exam Topic 1)

You perform a scan of your company's network and discover that TCP port 123 is open. What services by default run on TCP port 123?

- A. Telnet
- B. POP3
- C. Network Time Protocol
- D. DNS

Answer: C

NEW QUESTION 7

- (Exam Topic 1)

Code injection is a form of attack in which a malicious user:

- A. Inserts text into a data field that gets interpreted as code
- B. Gets the server to execute arbitrary code using a buffer overflow
- C. Inserts additional code into the JavaScript running in the browser
- D. Gains access to the codebase on the server and inserts new code

Answer: A

NEW QUESTION 8

- (Exam Topic 1)

Darius is analysing IDS logs. During the investigation, he noticed that there was nothing suspicious found and an alert was triggered on normal web application traffic. He can mark this alert as:

- A. False-Negative
- B. False-Positive
- C. True-Positive
- D. False-Signature

Answer: A

NEW QUESTION 9

- (Exam Topic 1)

On performing a risk assessment, you need to determine the potential impacts when some of the critical business process of the company interrupt its service. What is the name of the process by which you can determine those critical business?

- A. Risk Mitigation
- B. Emergency Plan Response (EPR)
- C. Disaster Recovery Planning (DRP)
- D. Business Impact Analysis (BIA)

Answer: D

NEW QUESTION 10

- (Exam Topic 1)

Which component of IPsec performs protocol-level functions that are required to encrypt and decrypt the packets?

- A. Internet Key Exchange (IKE)
- B. Oakley
- C. IPsec Policy Agent
- D. IPsec driver

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

Which is the first step followed by Vulnerability Scanners for scanning a network?

- A. TCP/UDP Port scanning
- B. Firewall detection
- C. OS Detection
- D. Checking if the remote host is alive

Answer: D

NEW QUESTION 15

- (Exam Topic 1)

You are looking for SQL injection vulnerability by sending a special character to web applications. Which of the following is the most useful for quick validation?

- A. Double quotation
- B. Backslash
- C. Semicolon
- D. Single quotation

Answer: D

NEW QUESTION 19

- (Exam Topic 1)

An unauthorized individual enters a building following an employee through the employee entrance after the lunch rush. What type of breach has the individual just performed?

- A. Reverse Social Engineering
- B. Tailgating
- C. Piggybacking
- D. Announced

Answer: B

NEW QUESTION 23

- (Exam Topic 1)

Which of the following provides a security professional with most information about the system's security posture?

- A. Wardriving, warchalking, social engineering
- B. Social engineering, company site browsing, tailgating
- C. Phishing, spamming, sending trojans
- D. Port scanning, banner grabbing, service identification

Answer: D

NEW QUESTION 27

- (Exam Topic 1)

Which of the following program infects the system boot sector and the executable files at the same time?

- A. Stealth virus
- B. Polymorphic virus
- C. Macro virus
- D. Multipartite Virus

Answer: D

NEW QUESTION 32

- (Exam Topic 1)

Sam is working as a pen-tester in an organization in Houston. He performs penetration testing on IDS in order to find the different ways an attacker uses to evade the IDS. Sam sends a large amount of packets to the target IDS that generates alerts, which enable Sam to hide the real traffic. What type of method is Sam using to evade IDS?

- A. Denial-of-Service
- B. False Positive Generation
- C. Insertion Attack
- D. Obfuscating

Answer: B

NEW QUESTION 35

- (Exam Topic 1)

Trinity needs to scan all hosts on a /16 network for TCP port 445 only. What is the fastest way she can accomplish this with Nmap? Stealth is not a concern.

- A. nmap -sn -sF 10.1.0.0/16 445
- B. nmap -p 445 -n -T4 -open 10.1.0.0/16
- C. nmap -s 445 -sU -T5 10.1.0.0/16
- D. nmap -p 445 -max -Pn 10.1.0.0/16

Answer: B

NEW QUESTION 36

- (Exam Topic 1)

What is the least important information when you analyze a public IP address in a security alert?

- A. ARP
- B. Whois
- C. DNS
- D. Geolocation

Answer: A

NEW QUESTION 38

- (Exam Topic 1)

What network security concept requires multiple layers of security controls to be placed throughout an IT infrastructure, which improves the security posture of an organization to defend against malicious attacks or potential vulnerabilities?

What kind of Web application vulnerability likely exists in their software?

- A. Host-Based Intrusion Detection System
- B. Security through obscurity
- C. Defense in depth
- D. Network-Based Intrusion Detection System

Answer: C

NEW QUESTION 39

- (Exam Topic 1)

When tuning security alerts, what is the best approach?

- A. Tune to avoid False positives and False Negatives
- B. Rise False positives Rise False Negatives
- C. Decrease the false positives
- D. Decrease False negatives

Answer: A

NEW QUESTION 43

- (Exam Topic 1)

Which one of the following Google advanced search operators allows an attacker to restrict the results to those websites in the given domain?

- A. [cache:]
- B. [site:]
- C. [inurl:]
- D. [link:]

Answer: B

NEW QUESTION 48

- (Exam Topic 1)

How is the public key distributed in an orderly, controlled fashion so that the users can be sure of the sender's identity?

- A. Hash value
- B. Private key
- C. Digital signature
- D. Digital certificate

Answer: D

NEW QUESTION 52

- (Exam Topic 1)

What is one of the advantages of using both symmetric and asymmetric cryptography in SSL/TLS?

- A. Symmetric algorithms such as AES provide a failsafe when asymmetric methods fail.
- B. Asymmetric cryptography is computationally expensive in compariso
- C. However, it is well-suited to securely negotiate keys for use with symmetric cryptography.
- D. Symmetric encryption allows the server to securely transmit the session keys out-of-band.
- E. Supporting both types of algorithms allows less-powerful devices such as mobile phones to use symmetric encryption instead.

Answer: D

NEW QUESTION 53

- (Exam Topic 1)

Developers at your company are creating a web application which will be available for use by anyone on the Internet, The developers have taken the approach of implementing a Three-Tier Architecture for the web application. The developers are now asking you which network should the Presentation Tier (front- end web server) be placed in?

- A. isolated vlan network
- B. Mesh network
- C. DMZ network
- D. Internal network

Answer: A

NEW QUESTION 56

- (Exam Topic 1)

Which of the following types of jailbreaking allows user-level access but does not allow iboot-level access?

- A. Bootrom Exploit
- B. iBoot Exploit
- C. Sandbox Exploit
- D. Userland Exploit

Answer: D

NEW QUESTION 59

- (Exam Topic 1)

You need a tool that can do network intrusion prevention and intrusion detection, function as a network sniffer, and record network activity, what tool would you most likely select?

- A. Nmap
- B. Cain & Abel
- C. Nessus
- D. Snort

Answer: D

NEW QUESTION 64

- (Exam Topic 1)

You need to deploy a new web-based software package for your organization. The package requires three separate servers and needs to be available on the Internet. What is the recommended architecture in terms of server placement?

- A. All three servers need to be placed internally
- B. A web server facing the Internet, an application server on the internal network, a database server on the internal network
- C. A web server and the database server facing the Internet, an application server on the internal network
- D. All three servers need to face the Internet so that they can communicate between themselves

Answer: B

NEW QUESTION 67

- (Exam Topic 1)

In which of the following password protection technique, random strings of characters are added to the password before calculating their hashes?

- A. Keyed Hashing
- B. Key Stretching
- C. Salting
- D. Double Hashing

Answer: C

NEW QUESTION 68

- (Exam Topic 1)

Which of the following statements is TRUE?

- A. Sniffers operate on Layer 2 of the OSI model
- B. Sniffers operate on Layer 3 of the OSI model
- C. Sniffers operate on both Layer 2 & Layer 3 of the OSI model.
- D. Sniffers operate on the Layer 1 of the OSI model.

Answer: A

NEW QUESTION 72

- (Exam Topic 1)

Company XYZ has asked you to assess the security of their perimeter email gateway. From your office in New York, you craft a specially formatted email message and send it across the Internet to an employee of Company XYZ. The employee of Company XYZ is aware of your test.

Your email message looks like this: From: jim_miller@companyxyz.com

To: michelle_saunders@companyxyz.com Subject: Test message

Date: 4/3/2017 14:37

The employee of Company XYZ receives your email message. This proves that Company XYZ's email gateway doesn't prevent what?

- A. Email Phishing
- B. Email Masquerading
- C. Email Spoofing
- D. Email Harvesting

Answer: C

NEW QUESTION 73

- (Exam Topic 1)

Your business has decided to add credit card numbers to the data it backs up to tape. Which of the following represents the best practice your business should observe?

- A. Hire a security consultant to provide direction.
- B. Do not back up either the credit card numbers or then hashes.
- C. Back up the hashes of the credit card numbers not the actual credit card numbers.
- D. Encrypt backup tapes that are sent off-site.

Answer: A

NEW QUESTION 75

- (Exam Topic 1)

Analyst is investigating proxy logs and found out that one of the internal user visited website storing suspicious Java scripts. After opening one of them, he noticed that it is very hard to understand the code and that all codes differ from the typical Java script. What is the name of this technique to hide the code and extend analysis time?

- A. Encryption
- B. Code encoding
- C. Obfuscation
- D. Steganography

Answer: A

NEW QUESTION 80

- (Exam Topic 1)

A hacker named Jack is trying to compromise a bank's computer system. He needs to know the operating system of that computer to launch further attacks. What process would help him?

- A. Banner Grabbing
- B. IDLE/IPID Scanning
- C. SSDP Scanning
- D. UDP Scanning

Answer: A

NEW QUESTION 81

- (Exam Topic 1)

In which of the following cryptography attack methods, the attacker makes a series of interactive queries, choosing subsequent plaintexts based on the information from the previous encryptions?

- A. Chosen-plaintext attack
- B. Ciphertext-only attack
- C. Adaptive chosen-plaintext attack
- D. Known-plaintext attack

Answer: A

NEW QUESTION 82

- (Exam Topic 1)

Bob finished a C programming course and created a small C application to monitor the network traffic and produce alerts when any origin sends "many" IP packets, based on the average number of packets sent by all origins and using some thresholds.

In concept, the solution developed by Bob is actually:

- A. Just a network monitoring tool
- B. A signature-based IDS
- C. A hybrid IDS
- D. A behavior-based IDS

Answer: A

NEW QUESTION 83

- (Exam Topic 2)

A circuit level gateway works at which of the following layers of the OSI Model?

- A. Layer 5 - Application
- B. Layer 4 – TCP
- C. Layer 3 – Internet protocol
- D. Layer 2 – Data link

Answer: B

NEW QUESTION 87

- (Exam Topic 2)

The use of technologies like IPSec can help guarantee the following: authenticity, integrity, confidentiality and

- A. non-repudiation.
- B. operability.
- C. security.
- D. usability.

Answer: A

NEW QUESTION 90

- (Exam Topic 2)

Which tool would be used to collect wireless packet data?

- A. NetStumbler
- B. John the Ripper
- C. Nessus
- D. Netcat

Answer: A

NEW QUESTION 93

- (Exam Topic 2)

An attacker has been successfully modifying the purchase price of items purchased on the company's web site. The security administrators verify the web server and Oracle database have not been compromised directly. They have also verified the Intrusion Detection System (IDS) logs and found no attacks that could have caused this. What is the mostly likely way the attacker has been able to modify the purchase price?

- A. By using SQL injection
- B. By changing hidden form values
- C. By using cross site scripting

D. By utilizing a buffer overflow attack

Answer: B

NEW QUESTION 98

- (Exam Topic 2)

An organization hires a tester to do a wireless penetration test. Previous reports indicate that the last test did not contain management or control packets in the submitted traces. Which of the following is the most likely reason for lack of management or control packets?

- A. The wireless card was not turned on.
- B. The wrong network card drivers were in use by Wireshark.
- C. On Linux and Mac OS X, only 802.11 headers are received in promiscuous mode.
- D. Certain operating systems and adapters do not collect the management or control packets.

Answer: D

NEW QUESTION 103

- (Exam Topic 2)

Which of the following is a preventive control?

- A. Smart card authentication
- B. Security policy
- C. Audit trail
- D. Continuity of operations plan

Answer: A

NEW QUESTION 107

- (Exam Topic 2)

After gaining access to the password hashes used to protect access to a web based application, knowledge of which cryptographic algorithms would be useful to gain access to the application?

- A. SHA1
- B. Diffie-Helman
- C. RSA
- D. AES

Answer: A

NEW QUESTION 112

- (Exam Topic 2)

Which of the following open source tools would be the best choice to scan a network for potential targets?

- A. NMAP
- B. NIKTO
- C. CAIN
- D. John the Ripper

Answer: A

NEW QUESTION 117

- (Exam Topic 2)

Which property ensures that a hash function will not produce the same hashed value for two different messages?

- A. Collision resistance
- B. Bit length
- C. Key strength
- D. Entropy

Answer: A

NEW QUESTION 118

- (Exam Topic 2)

Which of the following is an application that requires a host application for replication?

- A. Micro
- B. Worm
- C. Trojan
- D. Virus

Answer: D

Explanation:

Computer viruses infect a variety of different subsystems on their hosts. A computer virus is a malware that, when executed, replicates by reproducing itself or infecting other programs by modifying them. Infecting computer programs can include as well, data files, or the boot sector of the hard drive. When this replication succeeds, the affected areas are then said to be "infected".

References: https://en.wikipedia.org/wiki/Computer_virus

NEW QUESTION 123

- (Exam Topic 2)

Which of the following resources does NMAP need to be used as a basic vulnerability scanner covering several vectors like SMB, HTTP and FTP?

- A. Metasploit scripting engine
- B. Nessus scripting engine
- C. NMAP scripting engine
- D. SAINT scripting engine

Answer: C

NEW QUESTION 128

- (Exam Topic 2)

Which type of access control is used on a router or firewall to limit network activity?

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

Answer: C

NEW QUESTION 129

- (Exam Topic 2)

What is a successful method for protecting a router from potential smurf attacks?

- A. Placing the router in broadcast mode
- B. Enabling port forwarding on the router
- C. Installing the router outside of the network's firewall
- D. Disabling the router from accepting broadcast ping messages

Answer: D

NEW QUESTION 134

- (Exam Topic 2)

A person approaches a network administrator and wants advice on how to send encrypted email from home. The end user does not want to have to pay for any license fees or manage server services. Which of the following is the most secure encryption protocol that the network administrator should recommend?

- A. IP Security (IPSEC)
- B. Multipurpose Internet Mail Extensions (MIME)
- C. Pretty Good Privacy (PGP)
- D. Hyper Text Transfer Protocol with Secure Socket Layer (HTTPS)

Answer: C

NEW QUESTION 139

- (Exam Topic 2)

Which of the following is a hashing algorithm?

- A. MD5
- B. PGP
- C. DES
- D. ROT13

Answer: A

NEW QUESTION 141

- (Exam Topic 2)

During a wireless penetration test, a tester detects an access point using WPA2 encryption. Which of the following attacks should be used to obtain the key?

- A. The tester must capture the WPA2 authentication handshake and then crack it.
- B. The tester must use the tool inSSIDer to crack it using the ESSID of the network.
- C. The tester cannot crack WPA2 because it is in full compliance with the IEEE 802.11i standard.
- D. The tester must change the MAC address of the wireless network card and then use the AirTraf tool to obtain the key.

Answer: A

NEW QUESTION 145

- (Exam Topic 2)

A security engineer has been asked to deploy a secure remote access solution that will allow employees to connect to the company's internal network. Which of the following can be implemented to minimize the opportunity for the man-in-the-middle attack to occur?

- A. SSL
- B. Mutual authentication

- C. IPSec
- D. Static IP addresses

Answer: C

NEW QUESTION 147

- (Exam Topic 2)

A hacker, who posed as a heating and air conditioning specialist, was able to install a sniffer program in a switched environment network. Which attack could the hacker use to sniff all of the packets in the network?

- A. Fraggle
- B. MAC Flood
- C. Smurf
- D. Tear Drop

Answer: B

NEW QUESTION 150

- (Exam Topic 2)

Which of the following can the administrator do to verify that a tape backup can be recovered in its entirety?

- A. Restore a random file.
- B. Perform a full restore.
- C. Read the first 512 bytes of the tape.
- D. Read the last 512 bytes of the tape.

Answer: B

Explanation:

A full restore is required.

NEW QUESTION 153

- (Exam Topic 2)

While conducting a penetration test, the tester determines that there is a firewall between the tester's machine and the target machine. The firewall is only monitoring TCP handshaking of packets at the session layer of the OSI model. Which type of firewall is the tester trying to traverse?

- A. Packet filtering firewall
- B. Application-level firewall
- C. Circuit-level gateway firewall
- D. Stateful multilayer inspection firewall

Answer: C

NEW QUESTION 156

- (Exam Topic 2)

Smart cards use which protocol to transfer the certificate in a secure manner?

- A. Extensible Authentication Protocol (EAP)
- B. Point to Point Protocol (PPP)
- C. Point to Point Tunneling Protocol (PPTP)
- D. Layer 2 Tunneling Protocol (L2TP)

Answer: A

NEW QUESTION 160

- (Exam Topic 2)

A botnet can be managed through which of the following?

- A. IRC
- B. E-Mail
- C. LinkedIn and Facebook
- D. A vulnerable FTP server

Answer: A

NEW QUESTION 165

- (Exam Topic 2)

What is the outcome of the comm"nc -l -p 2222 | nc 10.1.0.43 1234"?

- A. Netcat will listen on the 10.1.0.43 interface for 1234 seconds on port 2222.
- B. Netcat will listen on port 2222 and output anything received to a remote connection on 10.1.0.43 port 1234.
- C. Netcat will listen for a connection from 10.1.0.43 on port 1234 and output anything received to port 2222.
- D. Netcat will listen on port 2222 and then output anything received to local interface 10.1.0.43.

Answer: B

NEW QUESTION 169

- (Exam Topic 2)

While checking the settings on the internet browser, a technician finds that the proxy server settings have been checked and a computer is trying to use itself as a proxy server. What specific octet within the subnet does the technician see?

- A. 10.10.10.10
- B. 127.0.0.1
- C. 192.168.1.1
- D. 192.168.168.168

Answer: B

NEW QUESTION 171

- (Exam Topic 2)

How can telnet be used to fingerprint a web server?

- A. telnet webserverAddress 80HEAD / HTTP/1.0
- B. telnet webserverAddress 80PUT / HTTP/1.0
- C. telnet webserverAddress 80HEAD / HTTP/2.0
- D. telnet webserverAddress 80PUT / HTTP/2.0

Answer: A

NEW QUESTION 173

- (Exam Topic 2)

One advantage of an application-level firewall is the ability to

- A. filter packets at the network level.
- B. filter specific commands, such as http:post.
- C. retain state information for each packet.
- D. monitor tcp handshaking.

Answer: B

NEW QUESTION 176

- (Exam Topic 2)

What technique is used to perform a Connection Stream Parameter Pollution (CSPP) attack?

- A. Injecting parameters into a connection string using semicolons as a separator
- B. Inserting malicious Javascript code into input parameters
- C. Setting a user's session identifier (SID) to an explicit known value
- D. Adding multiple parameters with the same name in HTTP requests

Answer: A

NEW QUESTION 177

- (Exam Topic 2)

What is the main reason the use of a stored biometric is vulnerable to an attack?

- A. The digital representation of the biometric might not be unique, even if the physical characteristic is unique.
- B. Authentication using a stored biometric compares a copy to a copy instead of the original to a copy.
- C. A stored biometric is no longer "something you are" and instead becomes "something you have".
- D. A stored biometric can be stolen and used by an attacker to impersonate the individual identified by the biometric.

Answer: D

NEW QUESTION 182

- (Exam Topic 2)

A penetration tester was hired to perform a penetration test for a bank. The tester began searching for IP ranges owned by the bank, performing lookups on the bank's DNS servers, reading news articles online about the bank, watching what times the bank employees come into work and leave from work, searching the bank's job postings (paying special attention to IT related jobs), and visiting the local dumpster for the bank's corporate office. What phase of the penetration test is the tester currently in?

- A. Information reporting
- B. Vulnerability assessment
- C. Active information gathering
- D. Passive information gathering

Answer: D

NEW QUESTION 185

- (Exam Topic 2)

Which security control role does encryption meet?

- A. Preventative
- B. Detective
- C. Offensive

D. Defensive

Answer: A

NEW QUESTION 186

- (Exam Topic 2)

Which type of antenna is used in wireless communication?

- A. Omnidirectional
- B. Parabolic
- C. Uni-directional
- D. Bi-directional

Answer: A

NEW QUESTION 189

- (Exam Topic 2)

Fingerprinting VPN firewalls is possible with which of the following tools?

- A. Angry IP
- B. Nikto
- C. Ike-scan
- D. Arp-scan

Answer: C

NEW QUESTION 191

- (Exam Topic 2)

Which type of scan measures a person's external features through a digital video camera?

- A. Iris scan
- B. Retinal scan
- C. Facial recognition scan
- D. Signature kinetics scan

Answer: C

NEW QUESTION 195

- (Exam Topic 2)

A hacker is attempting to see which IP addresses are currently active on a network. Which NMAP switch would the hacker use?

- A. -sO
- B. -sP
- C. -sS
- D. -sU

Answer: B

NEW QUESTION 199

- (Exam Topic 2)

During a penetration test, the tester conducts an ACK scan using NMAP against the external interface of the DMZ firewall. NMAP reports that port 80 is unfiltered. Based on this response, which type of packet inspection is the firewall conducting?

- A. Host
- B. Stateful
- C. Stateless
- D. Application

Answer: C

NEW QUESTION 203

- (Exam Topic 2)

How does an operating system protect the passwords used for account logins?

- A. The operating system performs a one-way hash of the passwords.
- B. The operating system stores the passwords in a secret file that users cannot find.
- C. The operating system encrypts the passwords, and decrypts them when needed.
- D. The operating system stores all passwords in a protected segment of non-volatile memory.

Answer: A

NEW QUESTION 206

- (Exam Topic 2)

What is the name of the international standard that establishes a baseline level of confidence in the security functionality of IT products by providing a set of requirements for evaluation?

- A. Blue Book
- B. ISO 26029
- C. Common Criteria
- D. The Wassenaar Agreement

Answer: C

NEW QUESTION 208

- (Exam Topic 2)

How can rainbow tables be defeated?

- A. Password salting
- B. Use of non-dictionary words
- C. All uppercase character passwords
- D. Lockout accounts under brute force password cracking attempts

Answer: A

NEW QUESTION 209

- (Exam Topic 2)

Which command lets a tester enumerate alive systems in a class C network via ICMP using native Windows tools?

- A. ping 192.168.2.
- B. ping 192.168.2.255
- C. for %V in (1 1 255) do PING 192.168.2.%V
- D. for /L %V in (1 1 254) do PING -n 1 192.168.2.%V | FIND /I "Reply"

Answer: D

NEW QUESTION 210

- (Exam Topic 2)

Which of the following business challenges could be solved by using a vulnerability scanner?

- A. Auditors want to discover if all systems are following a standard naming convention.
- B. A web server was compromised and management needs to know if any further systems were compromised.
- C. There is an emergency need to remove administrator access from multiple machines for an employee that quit.
- D. There is a monthly requirement to test corporate compliance with host application usage and security policies.

Answer: D

NEW QUESTION 215

- (Exam Topic 2)

An engineer is learning to write exploits in C++ and is using the exploit tool Backtrack. The engineer wants to compile the newest C++ exploit and name it calc.exe. Which command would the engineer use to accomplish this?

- A. g++ hackersExploit.cpp -o calc.exe
- B. g++ hackersExploit.py -o calc.exe
- C. g++ -i hackersExploit.pl -o calc.exe
- D. g++ --compile -i hackersExploit.cpp -o calc.exe

Answer: A

NEW QUESTION 220

- (Exam Topic 2)

A company has hired a security administrator to maintain and administer Linux and Windows-based systems. Written in the nightly report file is the following: Firewall log files are at the expected value of 4 MB. The current time is 12am. Exactly two hours later the size has decreased considerably. Another hour goes by and the log files have shrunk in size again.

Which of the following actions should the security administrator take?

- A. Log the event as suspicious activity and report this behavior to the incident response team immediately.
- B. Log the event as suspicious activity, call a manager, and report this as soon as possible.
- C. Run an anti-virus scan because it is likely the system is infected by malware.
- D. Log the event as suspicious activity, continue to investigate, and act according to the site's security policy.

Answer: D

NEW QUESTION 223

- (Exam Topic 2)

Which solution can be used to emulate computer services, such as mail and ftp, and to capture information related to logins or actions?

- A. Firewall
- B. Honeypot
- C. Core server
- D. Layer 4 switch

Answer: B

NEW QUESTION 225

- (Exam Topic 2)

When analyzing the IDS logs, the system administrator noticed an alert was logged when the external router was accessed from the administrator's computer to update the router configuration. What type of an alert is this?

- A. False positive
- B. False negative
- C. True positive
- D. True negative

Answer: A

NEW QUESTION 227

- (Exam Topic 2)

During a penetration test, a tester finds that the web application being analyzed is vulnerable to Cross Site Scripting (XSS). Which of the following conditions must be met to exploit this vulnerability?

- A. The web application does not have the secure flag set.
- B. The session cookies do not have the HttpOnly flag set.
- C. The victim user should not have an endpoint security solution.
- D. The victim's browser must have ActiveX technology enabled.

Answer: B

NEW QUESTION 230

- (Exam Topic 2)

A penetration tester is hired to do a risk assessment of a company's DMZ. The rules of engagement states that the penetration test be done from an external IP address with no prior knowledge of the internal IT systems. What kind of test is being performed?

- A. white box
- B. grey box
- C. red box
- D. black box

Answer: D

NEW QUESTION 233

- (Exam Topic 2)

Which of the following items of a computer system will an anti-virus program scan for viruses?

- A. Boot Sector
- B. Deleted Files
- C. Windows Process List
- D. Password Protected Files

Answer: A

NEW QUESTION 236

- (Exam Topic 2)

A large company intends to use Blackberry for corporate mobile phones and a security analyst is assigned to evaluate the possible threats. The analyst will use the Blackjacking attack method to demonstrate how an attacker could circumvent perimeter defenses and gain access to the corporate network. What tool should the analyst use to perform a Blackjacking attack?

- A. Paros Proxy
- B. BBProxy
- C. BBCrack
- D. Blooover

Answer: B

Explanation:

Blackberry users warned of hacking tool threat.

Users have been warned that the security of Blackberry wireless e-mail devices is at risk due to the availability this week of a new hacking tool. Secure Computing Corporation said businesses that have installed Blackberry servers behind their gateway security devices could be vulnerable to a hacking attack from a tool call BBProxy.

References:

<http://www.computerweekly.com/news/2240062112/Technology-news-in-brief>

NEW QUESTION 239

- (Exam Topic 2)

Which system consists of a publicly available set of databases that contain domain name registration contact information?

- A. WHOIS
- B. IANA
- C. CAPTCHA
- D. IETF

Answer: A

NEW QUESTION 241

- (Exam Topic 2)

A computer science student needs to fill some information into a secured Adobe PDF job application that was received from a prospective employer. Instead of requesting a new document that allowed the forms to be completed, the student decides to write a script that pulls passwords from a list of commonly used passwords to try against the secured PDF until the correct password is found or the list is exhausted.

Which cryptography attack is the student attempting?

- A. Man-in-the-middle attack
- B. Brute-force attack
- C. Dictionary attack
- D. Session hijacking

Answer: C

NEW QUESTION 242

- (Exam Topic 2)

When creating a security program, which approach would be used if senior management is supporting and enforcing the security policy?

- A. A bottom-up approach
- B. A top-down approach
- C. A senior creation approach
- D. An IT assurance approach

Answer: B

NEW QUESTION 246

- (Exam Topic 2)

A pentester is using Metasploit to exploit an FTP server and pivot to a LAN. How will the pentester pivot using Metasploit?

- A. Issue the pivot exploit and set the meterpreter.
- B. Reconfigure the network settings in the meterpreter.
- C. Set the payload to propagate through the meterpreter.
- D. Create a route statement in the meterpreter.

Answer: D

NEW QUESTION 249

- (Exam Topic 3)

Which vital role does the U.S. Computer Security Incident Response Team (CSIRT) provide?

- A. Incident response services to any user, company, government agency, or organization in partnership with the Department of Homeland Security
- B. Maintenance of the nation's Internet infrastructure, builds out new Internet infrastructure, and decommissions old Internet infrastructure
- C. Registration of critical penetration testing for the Department of Homeland Security and public and private sectors
- D. Measurement of key vulnerability assessments on behalf of the Department of Defense (DOD) and State Department, as well as private sectors

Answer: A

NEW QUESTION 254

- (Exam Topic 3)

An ethical hacker for a large security research firm performs penetration tests, vulnerability tests, and risk assessments. A friend recently started a company and asks the hacker to perform a penetration test and vulnerability assessment of the new company as a favor. What should the hacker's next step be before starting work on this job?

- A. Start by foot printing the network and mapping out a plan of attack.
- B. Ask the employer for authorization to perform the work outside the company.
- C. Begin the reconnaissance phase with passive information gathering and then move into active information gathering.
- D. Use social engineering techniques on the friend's employees to help identify areas that may be susceptible to attack.

Answer: B

NEW QUESTION 256

- (Exam Topic 3)

If an e-commerce site was put into a live environment and the programmers failed to remove the secret entry point that was used during the application development, what is this secret entry point known as?

- A. SDLC process
- B. Honey pot
- C. SQL injection
- D. Trap door

Answer: D

NEW QUESTION 259

- (Exam Topic 3)

The Open Web Application Security Project (OWASP) testing methodology addresses the need to secure web applications by providing which one of the following services?

- A. An extensible security framework named COBIT
- B. A list of flaws and how to fix them
- C. Web application patches
- D. A security certification for hardened web applications

Answer: B

NEW QUESTION 264

- (Exam Topic 3)

When comparing the testing methodologies of Open Web Application Security Project (OWASP) and Open Source Security Testing Methodology Manual (OSSTMM) the main difference is

- A. OWASP is for web applications and OSSTMM does not include web applications.
- B. OSSTMM is gray box testing and OWASP is black box testing.
- C. OWASP addresses controls and OSSTMM does not.
- D. OSSTMM addresses controls and OWASP does not.

Answer: D

NEW QUESTION 268

- (Exam Topic 3)

Which of the following is an advantage of utilizing security testing methodologies to conduct a security audit?

- A. They provide a repeatable framework.
- B. Anyone can run the command line scripts.
- C. They are available at low cost.
- D. They are subject to government regulation.

Answer: A

NEW QUESTION 272

- (Exam Topic 3)

SOAP services use which technology to format information?

- A. SATA
- B. PCI
- C. XML
- D. ISDN

Answer: C

NEW QUESTION 277

- (Exam Topic 3)

Which of the following processes of PKI (Public Key Infrastructure) ensures that a trust relationship exists and that a certificate is still valid for specific operations?

- A. Certificate issuance
- B. Certificate validation
- C. Certificate cryptography
- D. Certificate revocation

Answer: B

NEW QUESTION 278

- (Exam Topic 3)

A consultant has been hired by the V.P. of a large financial organization to assess the company's security posture. During the security testing, the consultant comes across child pornography on the V.P.'s computer. What is the consultant's obligation to the financial organization?

- A. Say nothing and continue with the security testing.
- B. Stop work immediately and contact the authorities.
- C. Delete the pornography, say nothing, and continue security testing.
- D. Bring the discovery to the financial organization's human resource department.

Answer: B

NEW QUESTION 280

- (Exam Topic 3)

An attacker has captured a target file that is encrypted with public key cryptography. Which of the attacks below is likely to be used to crack the target file?

- A. Timing attack
- B. Replay attack
- C. Memory trade-off attack
- D. Chosen plain-text attack

Answer: D

NEW QUESTION 283

- (Exam Topic 3)

Which initial procedure should an ethical hacker perform after being brought into an organization?

- A. Begin security testing.
- B. Turn over deliverables.
- C. Sign a formal contract with non-disclosure.
- D. Assess what the organization is trying to protect.

Answer: C

NEW QUESTION 286

- (Exam Topic 3)

Which of the following is a primary service of the U.S. Computer Security Incident Response Team (CSIRT)?

- A. CSIRT provides an incident response service to enable a reliable and trusted single point of contact for reporting computer security incidents worldwide.
- B. CSIRT provides a computer security surveillance service to supply a government with important intelligence information on individuals travelling abroad.
- C. CSIRT provides a penetration testing service to support exception reporting on incidents worldwide by individuals and multi-national corporations.
- D. CSIRT provides a vulnerability assessment service to assist law enforcement agencies with profiling an individual's property or company's asset.

Answer: A

NEW QUESTION 288

- (Exam Topic 3)

While testing the company's web applications, a tester attempts to insert the following test script into the search area on the company's web site:

```
<script>alert(" Testing Testing Testing ")</script>
```

Afterwards, when the tester presses the search button, a pop-up box appears on the screen with the text: "Testing Testing Testing". Which vulnerability has been detected in the web application?

- A. Buffer overflow
- B. Cross-site request forgery
- C. Distributed denial of service
- D. Cross-site scripting

Answer: D

NEW QUESTION 291

- (Exam Topic 3)

A technician is resolving an issue where a computer is unable to connect to the Internet using a wireless access point. The computer is able to transfer files locally to other machines, but cannot successfully reach the Internet. When the technician examines the IP address and default gateway they are both on the 192.168.1.0/24. Which of the following has occurred?

- A. The gateway is not routing to a public IP address.
- B. The computer is using an invalid IP address.
- C. The gateway and the computer are not on the same network.
- D. The computer is not using a private IP address.

Answer: A

NEW QUESTION 292

- (Exam Topic 3)

Employees in a company are no longer able to access Internet web sites on their computers. The network administrator is able to successfully ping IP address of web servers on the Internet and is able to open web sites by using an IP address in place of the URL. The administrator runs the nslookup command for www.eccouncil.org and receives an error message stating there is no response from the server. What should the administrator do next?

- A. Configure the firewall to allow traffic on TCP ports 53 and UDP port 53.
- B. Configure the firewall to allow traffic on TCP ports 80 and UDP port 443.
- C. Configure the firewall to allow traffic on TCP port 53.
- D. Configure the firewall to allow traffic on TCP port 8080.

Answer: A

NEW QUESTION 294

- (Exam Topic 3)

Which of the following network attacks takes advantage of weaknesses in the fragment reassembly functionality of the TCP/IP protocol stack?

- A. Teardrop
- B. SYN flood
- C. Smurf attack
- D. Ping of death

Answer: A

NEW QUESTION 295

- (Exam Topic 3)

How do employers protect assets with security policies pertaining to employee surveillance activities?

- A. Employers promote monitoring activities of employees as long as the employees demonstrate trustworthiness.

- B. Employers use informal verbal communication channels to explain employee monitoring activities to employees.
- C. Employers use network surveillance to monitor employee email traffic, network access, and to record employee keystrokes.
- D. Employers provide employees written statements that clearly discuss the boundaries of monitoring activities and consequences.

Answer: D

NEW QUESTION 300

- (Exam Topic 3)

An attacker sniffs encrypted traffic from the network and is subsequently able to decrypt it. The attacker can now use which cryptanalytic technique to attempt to discover the encryption key?

- A. Birthday attack
- B. Plaintext attack
- C. Meet in the middle attack
- D. Chosen ciphertext attack

Answer: D

NEW QUESTION 305

- (Exam Topic 3)

Which United States legislation mandates that the Chief Executive Officer (CEO) and the Chief Financial Officer (CFO) must sign statements verifying the completeness and accuracy of financial reports?

- A. Sarbanes-Oxley Act (SOX)
- B. Gramm-Leach-Bliley Act (GLBA)
- C. Fair and Accurate Credit Transactions Act (FACTA)
- D. Federal Information Security Management Act (FISMA)

Answer: A

NEW QUESTION 308

- (Exam Topic 3)

An IT security engineer notices that the company's web server is currently being hacked. What should the engineer do next?

- A. Unplug the network connection on the company's web server.
- B. Determine the origin of the attack and launch a counterattack.
- C. Record as much information as possible from the attack.
- D. Perform a system restart on the company's web server.

Answer: C

NEW QUESTION 312

- (Exam Topic 3)

International Organization for Standardization (ISO) standard 27002 provides guidance for compliance by outlining

- A. guidelines and practices for security controls.
- B. financial soundness and business viability metrics.
- C. standard best practice for configuration management.
- D. contract agreement writing standards.

Answer: A

NEW QUESTION 314

- (Exam Topic 3)

What are the three types of compliance that the Open Source Security Testing Methodology Manual (OSSTMM) recognizes?

- A. Legal, performance, audit
- B. Audit, standards based, regulatory
- C. Contractual, regulatory, industry
- D. Legislative, contractual, standards based

Answer: D

NEW QUESTION 318

- (Exam Topic 3)

A network security administrator is worried about potential man-in-the-middle attacks when users access a corporate web site from their workstations. Which of the following is the best remediation against this type of attack?

- A. Implementing server-side PKI certificates for all connections
- B. Mandating only client-side PKI certificates for all connections
- C. Requiring client and server PKI certificates for all connections
- D. Requiring strong authentication for all DNS queries

Answer: C

NEW QUESTION 321

- (Exam Topic 3)

When setting up a wireless network, an administrator enters a pre-shared key for security. Which of the following is true?

- A. The key entered is a symmetric key used to encrypt the wireless data.
- B. The key entered is a hash that is used to prove the integrity of the wireless data.
- C. The key entered is based on the Diffie-Hellman method.
- D. The key is an RSA key used to encrypt the wireless data.

Answer: A

NEW QUESTION 326

- (Exam Topic 4)

This international organization regulates billions of transactions daily and provides security guidelines to protect personally identifiable information (PII). These security controls provide a baseline and prevent low-level hackers sometimes known as script kiddies from causing a data breach.

Which of the following organizations is being described?

- A. Payment Card Industry (PCI)
- B. Center for Disease Control (CDC)
- C. Institute of Electrical and Electronics Engineers (IEEE)
- D. International Security Industry Organization (ISIO)

Answer: A

Explanation:

The Payment Card Industry Data Security Standard (PCI DSS) is a proprietary information security standard for organizations that handle branded credit cards from the major card schemes including Visa, MasterCard, American Express, Discover, and JCB. The PCI DSS standards are very explicit about the requirements for the back end storage and access of PII (personally identifiable information).

References: https://en.wikipedia.org/wiki/Payment_Card_Industry_Data_Security_Standard

NEW QUESTION 327

- (Exam Topic 4)

The purpose of a _____ is to deny network access to local area networks and other information assets by unauthorized wireless devices.

- A. Wireless Intrusion Prevention System
- B. Wireless Access Point
- C. Wireless Access Control List
- D. Wireless Analyzer

Answer: A

Explanation:

A wireless intrusion prevention system (WIPS) is a network device that monitors the radio spectrum for the presence of unauthorized access points (intrusion detection), and can automatically take countermeasures (intrusion prevention).

References: https://en.wikipedia.org/wiki/Wireless_intrusion_prevention_system

NEW QUESTION 330

- (Exam Topic 4)

A common cryptographical tool is the use of XOR. XOR the following binary values:

10110001

00111010

- A. 10001011
- B. 11011000
- C. 10011101
- D. 10111100

Answer: A

Explanation:

The XOR gate is a digital logic gate that implements an exclusive or; that is, a true output (1/HIGH) results if one, and only one, of the inputs to the gate is true. If both inputs are false (0/LOW) or both are true, a false output results. XOR represents the inequality function, i.e., the output is true if the inputs are not alike otherwise the output is false. A way to remember XOR is "one or the other but not both".

References: https://en.wikipedia.org/wiki/XOR_gate

NEW QUESTION 335

- (Exam Topic 4)

The Heartbleed bug was discovered in 2014 and is widely referred to under MITRE's Common Vulnerabilities and Exposures (CVE) as CVE-2014-0160. This bug affects the OpenSSL implementation of the transport layer security (TLS) protocols defined in RFC6520.

What type of key does this bug leave exposed to the Internet making exploitation of any compromised system very easy?

- A. Private
- B. Public
- C. Shared
- D. Root

Answer: A

Explanation:

The data obtained by a Heartbleed attack may include unencrypted exchanges between TLS parties likely to be confidential, including any form post data in users'

requests. Moreover, the confidential data exposed could include authentication secrets such as session cookies and passwords, which might allow attackers to impersonate a user of the service.

An attack may also reveal private keys of compromised parties. References: <https://en.wikipedia.org/wiki/Heartbleed>

NEW QUESTION 338

- (Exam Topic 4)

```
env x=`(){ :};echo exploit` bash -c 'cat /etc/passwd'
```

What is the Shellshock bash vulnerability attempting to do on a vulnerable Linux host?

- A. Display passwd content to prompt
- B. Removes the passwd file
- C. Changes all passwords in passwd
- D. Add new user to the passwd file

Answer: A

Explanation:

To extract private information, attackers are using a couple of techniques. The simplest extraction attacks are in the form:

```
() {::}; /bin/cat /etc/passwd
```

That reads the password file /etc/passwd, and adds it to the response from the web server. So an attacker injecting this code through the Shellshock vulnerability would see the password file dumped out onto their screen as part of the web page returned.

References: <https://blog.cloudflare.com/inside-shellshock/>

NEW QUESTION 339

- (Exam Topic 4)

A hacker has successfully infected an internet-facing server which he will then use to send junk mail, take part in coordinated attacks, or host junk email content.

Which sort of trojan infects this server?

- A. Botnet Trojan
- B. Turtle Trojans
- C. Banking Trojans
- D. Ransomware Trojans

Answer: A

Explanation:

In computer science, a zombie is a computer connected to the Internet that has been compromised by a hacker, computer virus or trojan horse and can be used to perform malicious tasks of one sort or another under remote direction. Botnets of zombie computers are often used to spread e-mail spam and launch denial-of-service attacks. Most owners of zombie computers are unaware that their system is being used in this way. Because the owner tends to be unaware, these computers are metaphorically compared to zombies. A coordinated DDoS attack by multiple botnet machines also resembles a zombie horde attack.

NEW QUESTION 341

- (Exam Topic 4)

You have several plain-text firewall logs that you must review to evaluate network traffic. You know that in order to do fast, efficient searches of the logs you must use regular expressions.

Which command-line utility are you most likely to use?

- A. Grep
- B. Notepad
- C. MS Excel
- D. Relational Database

Answer: A

Explanation:

grep is a command-line utility for searching plain-text data sets for lines matching a regular expression. References: <https://en.wikipedia.org/wiki/Grep>

NEW QUESTION 345

- (Exam Topic 4)

Which of the following is not a Bluetooth attack?

- A. Bluedriving
- B. Bluejacking
- C. Bluesmacking
- D. Bluesnarfing

Answer: A

NEW QUESTION 346

- (Exam Topic 4)

You've gained physical access to a Windows 2008 R2 server which has an accessible disc drive. When you attempt to boot the server and log in, you are unable to guess the password. In your tool kit you have an Ubuntu 9.10 Linux LiveCD. Which Linux based tool has the ability to change any user's password or to activate disabled Windows accounts?

- A. CHNTPW
- B. Cain & Abel
- C. SET
- D. John the Ripper

Answer: A

Explanation:

chntpw is a software utility for resetting or blanking local passwords used by Windows NT, 2000, XP, Vista, 7, 8 and 8.1. It does this by editing the SAM database where Windows stores password hashes.

References: <https://en.wikipedia.org/wiki/Chntpw>

NEW QUESTION 347

- (Exam Topic 4)

A medium-sized healthcare IT business decides to implement a risk management strategy. Which of the following is NOT one of the five basic responses to risk?

- A. Delegate
- B. Avoid
- C. Mitigate
- D. Accept

Answer: A

Explanation:

There are five main ways to manage risk: acceptance, avoidance, transference, mitigation or exploitation.

References:

<http://www.dbpmanagement.com/15/5-ways-to-manage-risk>

NEW QUESTION 348

- (Exam Topic 4)

In 2007, this wireless security algorithm was rendered useless by capturing packets and discovering the passkey in a matter of seconds. This security flaw led to a network invasion of TJ Maxx and data theft through a technique known as wardriving.

Which Algorithm is this referring to?

- A. Wired Equivalent Privacy (WEP)
- B. Wi-Fi Protected Access (WPA)
- C. Wi-Fi Protected Access 2 (WPA2)
- D. Temporal Key Integrity Protocol (TKIP)

Answer: A

Explanation:

WEP is the currently most used protocol for securing 802.11 networks, also called wireless lans or wlans. In 2007, a new attack on WEP, the PTW attack, was discovered, which allows an attacker to recover the secret key in less than 60 seconds in some cases.

Note: Wardriving is the act of searching for Wi-Fi wireless networks by a person in a moving vehicle, using a portable computer, smartphone or personal digital assistant (PDA).

References: <https://events.ccc.de/camp/2007/Fahrplan/events/1943.en.html>

NEW QUESTION 349

- (Exam Topic 4)

Nation-state threat actors often discover vulnerabilities and hold on to them until they want to launch a sophisticated attack. The Stuxnet attack was an unprecedented style of attack because it used four types of vulnerability.

What is this style of attack called?

- A. zero-day
- B. zero-hour
- C. zero-sum
- D. no-day

Answer: A

Explanation:

Stuxnet is a malicious computer worm believed to be a jointly built American-Israeli cyber weapon. Exploiting four zero-day flaws, Stuxnet functions by targeting machines using the Microsoft Windows operating system and networks, then seeking out Siemens Step7 software.

References: <https://en.wikipedia.org/wiki/Stuxnet>

NEW QUESTION 354

- (Exam Topic 4)

Which tool allows analysts and pen testers to examine links between data using graphs and link analysis?

- A. Maltego
- B. Cain & Abel
- C. Metasploit
- D. Wireshark

Answer: A

Explanation:

Maltego is proprietary software used for open-source intelligence and forensics, developed by Paterva. Maltego focuses on providing a library of transforms for discovery of data from open sources, and visualizing that information in a graph format, suitable for link analysis and data mining.

References: <https://en.wikipedia.org/wiki/Maltego>

NEW QUESTION 358

- (Exam Topic 4)

Which mode of IPSec should you use to assure security and confidentiality of data within the same LAN?

- A. ESP transport mode
- B. AH permiscuous
- C. ESP confidential
- D. AH Tunnel mode

Answer: A

Explanation:

When transport mode is used, IPSec encrypts only the IP payload. Transport mode provides the protection of an IP payload through an AH or ESP header. Encapsulating Security Payload (ESP) provides confidentiality (in addition to authentication, integrity, and anti-replay protection) for the IP payload.

NEW QUESTION 363

- (Exam Topic 4)

Which of the following is the structure designed to verify and authenticate the identity of individuals within the enterprise taking part in a data exchange?

- A. PKI
- B. single sign on
- C. biometrics
- D. SOA

Answer: A

Explanation:

A public key infrastructure (PKI) is a set of roles, policies, and procedures needed to create, manage, distribute, use, store, and revoke digital certificates [1] and manage public-key encryption. The purpose of a PKI is to facilitate the secure electronic transfer of information for a range of network activities such as e-commerce, internet banking and confidential email.

References: https://en.wikipedia.org/wiki/Public_key_infrastructure

NEW QUESTION 368

- (Exam Topic 4)

Jimmy is standing outside a secure entrance to a facility. He is pretending to have a tense conversation on his cell phone as an authorized employee badges in.

Jimmy, while still on the phone, grabs the door as it begins to close.

What just happened?

- A. Piggybacking
- B. Masquarading
- C. Phishing
- D. Whaling

Answer: A

Explanation:

In security, piggybacking refers to when a person tags along with another person who is authorized to gain entry into a restricted area, or pass a certain checkpoint.

References: [https://en.wikipedia.org/wiki/Piggybacking_\(security\)](https://en.wikipedia.org/wiki/Piggybacking_(security))

NEW QUESTION 372

- (Exam Topic 4)

Jesse receives an email with an attachment labeled "Court_Notice_21206.zip". Inside the zip file is a file named "Court_Notice_21206.docx.exe" disguised as a word document. Upon execution, a window appears stating, "This word document is corrupt." In the background, the file copies itself to Jesse APPDATA\local directory and begins to beacon to a C2 server to download additional malicious binaries.

What type of malware has Jesse encountered?

- A. Trojan
- B. Worm
- C. Macro Virus
- D. Key-Logger

Answer: A

Explanation:

In computing, Trojan horse, or Trojan, is any malicious computer program which is used to hack into a computer by misleading users of its true intent. Although their payload can be anything, many modern forms act as a backdoor, contacting a controller which can then have unauthorized access to the affected computer.

References: [https://en.wikipedia.org/wiki/Trojan_horse_\(computing\)](https://en.wikipedia.org/wiki/Trojan_horse_(computing))

NEW QUESTION 375

- (Exam Topic 4)

You just set up a security system in your network. In what kind of system would you find the following string of characters used as a rule within its configuration?

alert tcp any any -> 192.168.100.0/24 21 (msg: "FTP on the network!");

- A. An Intrusion Detection System
- B. A firewall IPTable
- C. A Router IPTable
- D. FTP Server rule

Answer: A

Explanation:

Snort is an open source network intrusion detection system (NIDS) for networks . Snort rule example:

This example is a rule with a generator id of 1000001.

```
alert tcp any any -> any 80 (content:"BOB"; gid:1000001; sid:1; rev:1;)
```

References:

<http://manual-snort-org.s3-website-us-east-1.amazonaws.com/node31.html>

NEW QUESTION 378

- (Exam Topic 4)

It is a kind of malware (malicious software) that criminals install on your computer so they can lock it from a remote location. This malware generates a pop-up window, webpage, or email warning from what looks like an official authority. It explains that your computer has been locked because of possible illegal activities on it and demands payment before you can access your files and programs again.

Which of the following terms best matches the definition?

- A. Ransomware
- B. Adware
- C. Spyware
- D. Riskware

Answer: A

Explanation:

Ransomware is a type of malware that can be covertly installed on a computer without knowledge or intention of the user that restricts access to the infected computer system in some way, and demands that the user pay a ransom to the malware operators to remove the restriction. Some forms of ransomware systematically encrypt files on the system's hard drive, which become difficult or impossible to decrypt without paying the ransom for the encryption key, while some may simply lock the system and display messages intended to coax the user into paying. Ransomware typically propagates as a Trojan.

References: <https://en.wikipedia.org/wiki/Ransomware>

NEW QUESTION 381

- (Exam Topic 4)

While using your bank's online servicing you notice the following string in the URL bar: "http://www.MyPersonalBank.com/account?id=368940911028389&Damount=10980&Camount=21"

You observe that if you modify the Damount & Camount values and submit the request, that data on the web page reflect the changes.

Which type of vulnerability is present on this site?

- A. Web Parameter Tampering
- B. Cookie Tampering
- C. XSS Reflection
- D. SQL injection

Answer: A

Explanation:

The Web Parameter Tampering attack is based on the manipulation of parameters exchanged between client and server in order to modify application data, such as user credentials and permissions, price and quantity of products, etc. Usually, this information is stored in cookies, hidden form fields, or URL Query Strings, and is used to increase application functionality and control.

References: https://www.owasp.org/index.php/Web_Parameter_Tampering

NEW QUESTION 383

- (Exam Topic 4)

You have successfully comprised a server having an IP address of 10.10.0.5. You would like to enumerate all machines in the same network quickly.

What is the best nmap command you will use?

- A. nmap -T4 -F 10.10.0.0/24
- B. nmap -T4 -r 10.10.1.0/24
- C. nmap -T4 -O 10.10.0.0/24
- D. nmap -T4 -q 10.10.0.0/24

Answer: A

Explanation:

command = nmap -T4 -F

description = This scan is faster than a normal scan because it uses the aggressive timing template and scans fewer ports.

References: https://svn.nmap.org/nmap/zenmap/share/zenmap/config/scan_profile.usp

NEW QUESTION 384

- (Exam Topic 4)

Your company performs penetration tests and security assessments for small and medium-sized business in the local area. During a routine security assessment, you discover information that suggests your client is involved with human trafficking.

What should you do?

- A. Immediately stop work and contact the proper legal authorities.
- B. Copy the data to removable media and keep it in case you need it.
- C. Confront the client in a respectful manner and ask her about the data.
- D. Ignore the data and continue the assessment until completed as agreed.

Answer: A

NEW QUESTION 385

- (Exam Topic 5)

Risks = Threats x Vulnerabilities is referred to as the:

- A. Risk equation
- B. Threat assessment
- C. BIA equation
- D. Disaster recovery formula

Answer: A

Explanation:

The most effective way to define risk is with this simple equation: Risk = Threat x Vulnerability x Cost

This equation is fundamental to all information security. References: http://www.icharter.org/articles/risk_equation.html

NEW QUESTION 386

- (Exam Topic 5)

The "black box testing" methodology enforces which kind of restriction?

- A. Only the external operation of a system is accessible to the tester.
- B. Only the internal operation of a system is known to the tester.
- C. The internal operation of a system is only partly accessible to the tester.
- D. The internal operation of a system is completely known to the tester.

Answer: A

Explanation:

Black-box testing is a method of software testing that examines the functionality of an application without peering into its internal structures or workings.

References: https://en.wikipedia.org/wiki/Black-box_testing

NEW QUESTION 390

- (Exam Topic 5)

Which of the following areas is considered a strength of symmetric key cryptography when compared with asymmetric algorithms?

- A. Scalability
- B. Speed
- C. Key distribution
- D. Security

Answer: B

NEW QUESTION 391

- (Exam Topic 5)

Which of the following tools can be used for passive OS fingerprinting?

- A. tcpdump
- B. nmap
- C. ping
- D. tracer

Answer: A

Explanation:

The passive operating system fingerprinting is a feature built into both the pf and tcpdump tools.

References:

<http://geek00l.blogspot.se/2007/04/tcpdump-privilege-dropping-passive-os.html>

NEW QUESTION 392

- (Exam Topic 5)

What network security concept requires multiple layers of security controls to be placed throughout an IT infrastructure, which improves the security posture of an organization to defend against malicious attacks or potential vulnerabilities?

- A. Security through obscurity
- B. Host-Based Intrusion Detection System
- C. Defense in depth
- D. Network-Based Intrusion Detection System

Answer: C

NEW QUESTION 394

- (Exam Topic 5)

An IT employee got a call from one of our best customers. The caller wanted to know about the company's network infrastructure, systems, and team. New opportunities of integration are in sight for both company and customer. What should this employee do?

- A. Since the company's policy is all about Customer Service, he/she will provide information.
- B. Disregarding the call, the employee should hang up.

- C. The employee should not provide any information without previous management authorization.
D. The employees can not provide any information; but, anyway, he/she will provide the name of the person in charge.

Answer: C

NEW QUESTION 396

- (Exam Topic 5)

What is the most common method to exploit the “Bash Bug” or “ShellShock” vulnerability?

- A. Through Web servers utilizing CGI (Common Gateway Interface) to send a malformed environment variable to a vulnerable Web server
B. Manipulate format strings in text fields
C. SSH
D. SYN Flood

Answer: A

Explanation:

Shellshock, also known as Bashdoor, is a family of security bugs in the widely used Unix Bash shell. One specific exploitation vector of the Shellshock bug is CGI-based web servers.

Note: When a web server uses the Common Gateway Interface (CGI) to handle a document request, it passes various details of the request to a handler program in the environment variable list. For example, the variable HTTP_USER_AGENT has a value that, in normal usage, identifies the program sending the request. If the request handler is a Bash script, or if it executes one for example using the system call, Bash will receive the environment variables passed by the server and will process them. This provides a means for an attacker to trigger the Shellshock vulnerability with a specially crafted server request.

References: [https://en.wikipedia.org/wiki/Shellshock_\(software_bug\)#Specific_exploitation_vectors](https://en.wikipedia.org/wiki/Shellshock_(software_bug)#Specific_exploitation_vectors)

NEW QUESTION 398

- (Exam Topic 5)

PGP, SSL, and IKE are all examples of which type of cryptography?

- A. Public Key
B. Secret Key
C. Hash Algorithm
D. Digest

Answer: A

Explanation:

Public-key algorithms are fundamental security ingredients in cryptosystems, applications and protocols. They underpin various Internet standards, such as Secure Sockets Layer (SSL), Transport Layer Security (TLS), S/MIME, PGP, Internet Key Exchange (IKE or IKEv2), and GPG.

References: https://en.wikipedia.org/wiki/Public-key_cryptography

NEW QUESTION 403

- (Exam Topic 5)

Websites and web portals that provide web services commonly use the Simple Object Access Protocol SOAP. Which of the following is an incorrect definition or characteristics in the protocol?

- A. Based on XML
B. Provides a structured model for messaging
C. Exchanges data between web services
D. Only compatible with the application protocol HTTP

Answer: D

NEW QUESTION 404

- (Exam Topic 5)

The chance of a hard drive failure is once every three years. The cost to buy a new hard drive is \$300. It will require 10 hours to restore the OS and software to the new hard disk. It will require a further 4 hours to restore the database from the last backup to the new hard disk. The recovery person earns \$10/hour. Calculate the SLE, ARO, and ALE. Assume the EF = 1 (100%).

What is the closest approximate cost of this replacement and recovery operation per year?

- A. \$146
B. \$1320
C. \$440
D. \$100

Answer: A

Explanation:

The annualized loss expectancy (ALE) is the product of the annual rate of occurrence (ARO) and the single loss expectancy (SLE).

Suppose that an asset is valued at \$100,000, and the Exposure Factor (EF) for this asset is 25%. The single loss expectancy (SLE) then, is 25% * \$100,000, or \$25,000.

In our example the ARO is 33%, and the SLE is 300+14*10 (as EF=1). The ALO is thus: 33%*(300+14*10) which equals 146.

References: https://en.wikipedia.org/wiki/Annualized_loss_expectancy

NEW QUESTION 409

- (Exam Topic 5)

What is the difference between the AES and RSA algorithms?

- A. Both are asymmetric algorithms, but RSA uses 1024-bit keys.
- B. RSA is asymmetric, which is used to create a public/private key pair; AES is symmetric, which is used to encrypt data.
- C. Both are symmetric algorithms, but AES uses 256-bit keys.
- D. AES is asymmetric, which is used to create a public/private key pair; RSA is symmetric, which is used to encrypt data.

Answer: B

NEW QUESTION 413

- (Exam Topic 5)

If executives are found liable for not properly protecting their company's assets and information systems, what type of law would apply in this situation?

- A. Civil
- B. International
- C. Criminal
- D. Common

Answer: A

NEW QUESTION 417

- (Exam Topic 5)

In both pharming and phishing attacks an attacker can create websites that look similar to legitimate sites with the intent of collecting personal identifiable information from its victims. What is the difference between pharming and phishing attacks?

- A. In a pharming attack a victim is redirected to a fake website by modifying their host configuration file or by exploiting vulnerabilities in DN
- B. In a phishing attack an attacker provides the victim with a URL that is either misspelled or looks similar to the actual websites domain name.
- C. Both pharming and phishing attacks are purely technical and are not considered forms of social engineering.
- D. Both pharming and phishing attacks are identical.
- E. In a phishing attack a victim is redirected to a fake website by modifying their host configuration file or by exploiting vulnerabilities in DN
- F. In a pharming attack an attacker provides the victim with a URL that is either misspelled or looks very similar to the actual websites domain name.

Answer: A

NEW QUESTION 421

- (Exam Topic 5)

Which protocol is used for setting up secured channels between two devices, typically in VPNs?

- A. IPSEC
- B. PEM
- C. SET
- D. PPP

Answer: A

NEW QUESTION 423

- (Exam Topic 5)

You are an Ethical Hacker who is auditing the ABC company. When you verify the NOC one of the machines has 2 connections, one wired and the other wireless. When you verify the configuration of this Windows system you find two static routes.

```
route add 10.0.0.0 mask 255.0.0.0 10.0.0.1
```

```
route add 0.0.0.0 mask 255.0.0.0 199.168.0.1
```

What is the main purpose of those static routes?

- A. Both static routes indicate that the traffic is external with different gateway.
- B. The first static route indicates that the internal traffic will use an external gateway and the second static route indicates that the traffic will be rerouted.
- C. Both static routes indicate that the traffic is internal with different gateway.
- D. The first static route indicates that the internal addresses are using the internal gateway and the second static route indicates that all the traffic that is not internal must go to an external gateway.

Answer: D

NEW QUESTION 427

- (Exam Topic 5)

Which method of password cracking takes the most time and effort?

- A. Brute force
- B. Rainbow tables
- C. Dictionary attack
- D. Shoulder surfing

Answer: A

Explanation:

Brute-force cracking, in which a computer tries every possible key or password until it succeeds, is typically very time consuming. More common methods of password cracking, such as dictionary attacks, pattern checking, word list substitution, etc. attempt to reduce the number of trials required and will usually be attempted before brute force.

References: https://en.wikipedia.org/wiki/Password_cracking

NEW QUESTION 431

- (Exam Topic 5)

By using a smart card and pin, you are using a two-factor authentication that satisfies

- A. Something you know and something you are
- B. Something you have and something you know
- C. Something you have and something you are
- D. Something you are and something you remember

Answer: B

NEW QUESTION 434

- (Exam Topic 5)

Which of the following security operations is used for determining the attack surface of an organization?

- A. Running a network scan to detect network services in the corporate DMZ
- B. Training employees on the security policy regarding social engineering
- C. Reviewing the need for a security clearance for each employee
- D. Using configuration management to determine when and where to apply security patches

Answer: A

Explanation:

For a network scan the goal is to document the exposed attack surface along with any easily detected vulnerabilities.

References:

<http://meisecurity.com/home/consulting/consulting-network-scanning/>

NEW QUESTION 436

- (Exam Topic 5)

The network in ABC company is using the network address 192.168.1.64 with mask 255.255.255.192. In the network the servers are in the addresses 192.168.1.122, 192.168.1.123 and 192.168.1.124.

An attacker is trying to find those servers but he cannot see them in his scanning. The command he is using is: nmap 192.168.1.64/28.

Why he cannot see the servers?

- A. The network must be down and the nmap command and IP address are ok.
- B. He needs to add the command ""ip address"" just before the IP address.
- C. He is scanning from 192.168.1.64 to 192.168.1.78 because of the mask /28 and the servers are not in that range.
- D. He needs to change the address to 192.168.1.0 with the same mask.

Answer: C

NEW QUESTION 439

- (Exam Topic 5)

Sophia travels a lot and worries that her laptop containing confidential documents might be stolen. What is the best protection that will work for her?

- A. Password protected files
- B. Hidden folders
- C. BIOS password
- D. Full disk encryption.

Answer: D

NEW QUESTION 441

- (Exam Topic 5)

Which Intrusion Detection System is best applicable for large environments where critical assets on the network need extra security and is ideal for observing sensitive network segments?

- A. Network-based intrusion detection system (NIDS)
- B. Host-based intrusion detection system (HIDS)
- C. Firewalls
- D. Honeypots

Answer: A

NEW QUESTION 442

- (Exam Topic 5)

Sid is a judge for a programming contest. Before the code reaches him it goes through a restricted OS and is tested there. If it passes, then it moves onto Sid. What is this middle step called?

- A. Fuzzy-testing the code
- B. Third party running the code
- C. Sandboxing the code
- D. String validating the code

Answer: A

NEW QUESTION 444

- (Exam Topic 5)

Attempting an injection attack on a web server based on responses to True/False questions is called which of the following?

- A. Blind SQLi
- B. DMS-specific SQLi
- C. Classic SQLi
- D. Compound SQLi

Answer: A

NEW QUESTION 447

- (Exam Topic 5)

When purchasing a biometric system, one of the considerations that should be reviewed is the processing speed. Which of the following best describes what it is meant by processing?

- A. The amount of time it takes to convert biometric data into a template on a smart card.
- B. The amount of time and resources that are necessary to maintain a biometric system.
- C. The amount of time it takes to be either accepted or rejected form when an individual provides Identification and authentication information.
- D. How long it takes to setup individual user accounts.

Answer: C

NEW QUESTION 451

- (Exam Topic 5)

An attacker attaches a rogue router in a network. He wants to redirect traffic to a LAN attached to his router as part of a man-in-the-middle attack. What measure on behalf of the legitimate admin can mitigate this attack?

- A. Only using OSPFv3 will mitigate this risk.
- B. Make sure that legitimate network routers are configured to run routing protocols with authentication.
- C. Redirection of the traffic cannot happen unless the admin allows it explicitly.
- D. Disable all routing protocols and only use static routes.

Answer: B

NEW QUESTION 455

- (Exam Topic 5)

A company's security policy states that all Web browsers must automatically delete their HTTP browser cookies upon terminating. What sort of security breach is this policy attempting to mitigate?

- A. Attempts by attackers to access Web sites that trust the Web browser user by stealing the user's authentication credentials.
- B. Attempts by attackers to access the user and password information stored in the company's SQL database.
- C. Attempts by attackers to access passwords stored on the user's computer without the user's knowledge.
- D. Attempts by attackers to determine the user's Web browser usage patterns, including when sites were visited and for how long.

Answer: A

Explanation:

Cookies can store passwords and form content a user has previously entered, such as a credit card number or an address.

Cookies can be stolen using a technique called cross-site scripting. This occurs when an attacker takes advantage of a website that allows its users to post unfiltered HTML and JavaScript content.

References: https://en.wikipedia.org/wiki/HTTP_cookie#Cross-site_scripting_.E2.80.93_cookie_theft

NEW QUESTION 458

- (Exam Topic 5)

Scenario:

What is the name of the attack which is mentioned in the scenario?

- A. HTTP Parameter Pollution
- B. HTML Injection
- C. Session Fixation
- D. ClickJacking Attack

Answer: D

NEW QUESTION 461

- (Exam Topic 5)

Which of these options is the most secure procedure for storing backup tapes?

- A. In a climate controlled facility offsite
- B. On a different floor in the same building
- C. Inside the data center for faster retrieval in a fireproof safe
- D. In a cool dry environment

Answer: A

Explanation:

An effective disaster data recovery strategy should consist of producing backup tapes and housing them in an offsite storage facility. This way the data isn't compromised if a natural disaster affects the business' office. It is highly recommended that the backup tapes be handled properly and stored in a secure, climate controlled facility. This provides peace of mind, and gives the business almost immediate stability after a disaster.

References:

<http://www.entrustm.com/blog/1132/why-is-offsite-tape-storage-the-best-disaster-recovery-strategy>

NEW QUESTION 465

- (Exam Topic 5)

In order to have an anonymous Internet surf, which of the following is best choice?

- A. Use SSL sites when entering personal information
- B. Use Tor network with multi-node
- C. Use shared WiFi
- D. Use public VPN

Answer: B

NEW QUESTION 467

- (Exam Topic 5)

Todd has been asked by the security officer to purchase a counter-based authentication system. Which of the following best describes this type of system?

- A. A biometric system that bases authentication decisions on behavioral attributes.
- B. A biometric system that bases authentication decisions on physical attributes.
- C. An authentication system that creates one-time passwords that are encrypted with secret keys.
- D. An authentication system that uses passphrases that are converted into virtual passwords.

Answer: C

NEW QUESTION 469

- (Exam Topic 5)

What is the role of test automation in security testing?

- A. It can accelerate benchmark tests and repeat them with a consistent test setu
- B. But it cannot replace manual testing completely.
- C. It is an option but it tends to be very expensive.
- D. It should be used exclusivel
- E. Manual testing is outdated because of low speed and possible test setup inconsistencies.
- F. Test automation is not usable in security due to the complexity of the tests.

Answer: A

NEW QUESTION 470

- (Exam Topic 5)

Which of the following is a low-tech way of gaining unauthorized access to systems?

- A. Social Engineering
- B. Sniffing
- C. Eavesdropping
- D. Scanning

Answer: A

Explanation:

Social engineering, in the context of information security, refers to psychological manipulation of people into performing actions or divulging confidential information. A type of confidence trick for the purpose of information gathering, fraud, or system access.

References: [https://en.wikipedia.org/wiki/Social_engineering_\(security\)](https://en.wikipedia.org/wiki/Social_engineering_(security))

NEW QUESTION 473

- (Exam Topic 5)

In many states sending spam is illegal. Thus, the spammers have techniques to try and ensure that no one knows they sent the spam out to thousands of users at a time. Which of the following best describes what spammers use to hide the origin of these types of e-mails?

- A. A blacklist of companies that have their mail server relays configured to allow traffic only to theirspecific domain name.
- B. Mail relaying, which is a technique of bouncing e-mail from internal to external mails servers continuously.
- C. A blacklist of companies that have their mail server relays configured to be wide open.
- D. Tools that will reconfigure a mail server's relay component to send the e-mail back to the spammers occasionally.

Answer: B

NEW QUESTION 477

- (Exam Topic 5)

Which Metasploit Framework tool can help penetration tester for evading Anti-virus Systems?

- A. msfpayload
- B. msfcli
- C. msfencode
- D. msfd

Answer: C

NEW QUESTION 478

- (Exam Topic 5)

Which of the following types of firewalls ensures that the packets are part of the established session?

- A. Stateful inspection firewall
- B. Circuit-level firewall
- C. Application-level firewall
- D. Switch-level firewall

Answer: A

Explanation:

A stateful firewall is a network firewall that tracks the operating state and characteristics of network connections traversing it. The firewall is configured to distinguish legitimate packets for different types of connections. Only packets matching a known active connection (session) are allowed to pass the firewall.

References: https://en.wikipedia.org/wiki/Stateful_firewall

NEW QUESTION 483

- (Exam Topic 5)

A well-intentioned researcher discovers a vulnerability on the web site of a major corporation. What should he do?

- A. Ignore it.
- B. Try to sell the information to a well-paying party on the dark web.
- C. Notify the web site owner so that corrective action be taken as soon as possible to patch the vulnerability.
- D. Exploit the vulnerability without harming the web site owner so that attention be drawn to the problem.

Answer: C

NEW QUESTION 486

- (Exam Topic 5)

During a security audit of IT processes, an IS auditor found that there were no documented security procedures. What should the IS auditor do?

- A. Identify and evaluate existing practices
- B. Create a procedures document
- C. Conduct compliance testing
- D. Terminate the audit

Answer: A

Explanation:

The auditor should first evaluate existing policies and practices to identify problem areas and opportunities.

NEW QUESTION 488

- (Exam Topic 5)

The security concept of "separation of duties" is most similar to the operation of which type of security device?

- A. Firewall
- B. Bastion host
- C. Intrusion Detection System
- D. Honeypot

Answer: A

Explanation:

In most enterprises the engineer making a firewall change is also the one reviewing the firewall metrics for unauthorized changes. What if the firewall administrator wanted to hide something? How would anyone ever find out? This is where the separation of duties comes in to focus on the responsibilities of tasks within security.

References:

<http://searchsecurity.techtarget.com/tip/Modern-security-management-strategy-requires-security-separation-of-d>

NEW QUESTION 493

- (Exam Topic 6)

In IPv6 what is the major difference concerning application layer vulnerabilities compared to IPv4?

- A. Implementing IPv4 security in a dual-stack network offers protection from IPv6 attacks too.
- B. Vulnerabilities in the application layer are independent of the network layer
- C. Attacks and mitigation techniques are almost identical.
- D. Due to the extensive security measures built in IPv6, application layer vulnerabilities need not be addressed.
- E. Vulnerabilities in the application layer are greatly different from IPv4.

Answer: B

NEW QUESTION 495

- (Exam Topic 6)

Matthew received an email with an attachment named "YouWon\$10Grand.zip." The zip file contains a file named "HowToClaimYourPrize.docx.exe." Out of excitement and curiosity, Matthew opened the said file. Without his knowledge, the file copies itself to Matthew's APPDATA\local directory and begins to beacon to a Command-and-control server to download additional malicious binaries. What type of malware has Matthew encountered?

- A. Key-logger
- B. Trojan

- C. Worm
- D. Macro Virus

Answer: B

NEW QUESTION 496

- (Exam Topic 6)

Which type of security feature stops vehicles from crashing through the doors of a building?

- A. Turnstile
- B. Bollards
- C. Mantrap
- D. Receptionist

Answer: B

NEW QUESTION 499

- (Exam Topic 6)

A new wireless client that is 802.11 compliant cannot connect to a wireless network given that the client can see the network and it has compatible hardware and software installed. Upon further tests and investigation, it was found out that the Wireless Access Point (WAP) was not responding to the association requests being sent by the wireless client. What MOST likely is the issue on this scenario?

- A. The client cannot see the SSID of the wireless network
- B. The WAP does not recognize the client's MAC address.
- C. The wireless client is not configured to use DHCP.
- D. Client is configured for the wrong channel

Answer: B

NEW QUESTION 504

- (Exam Topic 6)

Shellshock had the potential for an unauthorized user to gain access to a server. It affected many internet-facing services, which OS did it not directly affect?

- A. Windows
- B. Unix
- C. Linux
- D. OS X

Answer: A

NEW QUESTION 507

- (Exam Topic 6)

When security and confidentiality of data within the same LAN is of utmost priority, which IPSec mode should you implement?

- A. AH Tunnel mode
- B. AH promiscuous
- C. ESP transport mode
- D. ESP confidential

Answer: C

NEW QUESTION 508

- (Exam Topic 6)

What is the term coined for logging, recording and resolving events in a company?

- A. Internal Procedure
- B. Security Policy
- C. Incident Management Process
- D. Metrics

Answer: C

NEW QUESTION 510

- (Exam Topic 6)

You've just gained root access to a Centos 6 server after days of trying. What tool should you use to maintain access?

- A. Disable Key Services
- B. Create User Account
- C. Download and Install Netcat
- D. Disable IPTables

Answer: B

NEW QUESTION 514

- (Exam Topic 6)

Which of the following BEST describes the mechanism of a Boot Sector Virus?

- A. Moves the MBR to another location on the hard disk and copies itself to the original location of the MBR
- B. Moves the MBR to another location on the RAM and copies itself to the original location of the MBR
- C. Overwrites the original MBR and only executes the new virus code
- D. Modifies directory table entries so that directory entries point to the virus code instead of the actual program

Answer: A

NEW QUESTION 519

- (Exam Topic 6)

.....is an attack type for a rogue Wi-Fi access point that appears to be a legitimate one offered on the premises, but actually has been set up to eavesdrop on wireless communications. It is the wireless version of the phishing scam. An attacker fools wireless users into connecting a laptop or mobile phone to a tainted hotspot by posing as a legitimate provider. This type of attack may be used to steal the passwords of unsuspecting users by either snooping the communication link or by phishing, which involves setting up a fraudulent web site and luring people there.

Fill in the blank with appropriate choice.

- A. Collision Attack
- B. Evil Twin Attack
- C. Sinkhole Attack
- D. Signal Jamming Attack

Answer: B

NEW QUESTION 521

- (Exam Topic 6)

What would you type on the Windows command line in order to launch the Computer Management Console provided that you are logged in as an admin?

- A. c:\compmgmt.msc
- B. c:\gpedit
- C. c:\ncpa.cpl
- D. c:\services.msc

Answer: A

NEW QUESTION 526

- (Exam Topic 6)

Which of the following commands runs snort in packet logger mode?

- A. ./snort -dev -h ./log
- B. ./snort -dev -l ./log
- C. ./snort -dev -o ./log
- D. ./snort -dev -p ./log

Answer: B

NEW QUESTION 531

- (Exam Topic 6)

This configuration allows NIC to pass all traffic it receives to the Central Processing Unit (CPU), instead of passing only the frames that the controller is intended to receive. Select the option that BEST describes the above statement.

- A. Multi-cast mode
- B. WEM
- C. Promiscuous mode
- D. Port forwarding

Answer: C

NEW QUESTION 533

- (Exam Topic 6)

Which of the following is a form of penetration testing that relies heavily on human interaction and often involves tricking people into breaking normal security procedures?

- A. Social Engineering
- B. Piggybacking
- C. Tailgating
- D. Eavesdropping

Answer: A

NEW QUESTION 535

- (Exam Topic 6)

While doing a technical assessment to determine network vulnerabilities, you used the TCP XMAS scan. What would be the response of all open ports?

- A. The port will send an ACK
- B. The port will send a SYN
- C. The port will ignore the packets

D. The port will send an RST

Answer: C

NEW QUESTION 539

- (Exam Topic 6)

A software tester is randomly generating invalid inputs in an attempt to crash the program. Which of the following is a software testing technique used to determine if a software program properly handles a wide range of invalid input?

- A. Mutating
- B. Randomizing
- C. Fuzzing
- D. Bounding

Answer: C

NEW QUESTION 541

- (Exam Topic 6)

Which of the following tools would MOST LIKELY be used to perform security audit on various of forms of network systems?

- A. Intrusion Detection System
- B. Vulnerability scanner
- C. Port scanner
- D. Protocol analyzer

Answer: B

NEW QUESTION 543

- (Exam Topic 6)

Which of the following is a restriction being enforced in “white box testing?”

- A. Only the internal operation of a system is known to the tester
- B. The internal operation of a system is completely known to the tester
- C. The internal operation of a system is only partly accessible to the tester
- D. Only the external operation of a system is accessible to the tester

Answer: B

NEW QUESTION 546

- (Exam Topic 6)

In order to prevent particular ports and applications from getting packets into an organization, what does a firewall check?

- A. Network layer headers and the session layer port numbers
- B. Presentation layer headers and the session layer port numbers
- C. Application layer port numbers and the transport layer headers
- D. Transport layer port numbers and application layer headers

Answer: D

NEW QUESTION 548

- (Exam Topic 6)

A distributed port scan operates by:

- A. Blocking access to the scanning clients by the targeted host
- B. Using denial-of-service software against a range of TCP ports
- C. Blocking access to the targeted host by each of the distributed scanning clients
- D. Having multiple computers each scan a small number of ports, then correlating the results

Answer: D

NEW QUESTION 552

- (Exam Topic 6)

Defining rules, collaborating human workforce, creating a backup plan, and testing the plans are within what phase of the Incident Handling Process?

- A. Preparation phase
- B. Containment phase
- C. Recovery phase
- D. Identification phase

Answer: A

NEW QUESTION 555

- (Exam Topic 6)

Which of the following BEST describes how Address Resolution Protocol (ARP) works?

- A. It sends a reply packet for a specific IP, asking for the MAC address
- B. It sends a reply packet to all the network elements, asking for the MAC address from a specific IP
- C. It sends a request packet to all the network elements, asking for the domain name from a specific IP
- D. It sends a request packet to all the network elements, asking for the MAC address from a specific IP

Answer: D

NEW QUESTION 560

- (Exam Topic 6)

What does a type 3 code 13 represent? (Choose two.)

- A. Echo request
- B. Destination unreachable
- C. Network unreachable
- D. Administratively prohibited
- E. Port unreachable
- F. Time exceeded

Answer: BD

NEW QUESTION 563

- (Exam Topic 6)

Bob received this text message on his mobile phone: “Hello, this is Scott Smelby from the Yahoo Bank. Kindly contact me for a vital transaction on: scottsmelby@yahoo.com”. Which statement below is true?

- A. This is probably a legitimate message as it comes from a respectable organization.
- B. Bob should write to scottsmelby@yahoo.com to verify the identity of Scott.
- C. This is a scam as everybody can get a @yahoo address, not the Yahoo customer service employees.
- D. This is a scam because Bob does not know Scott.

Answer: C

NEW QUESTION 565

- (Exam Topic 6)

Which type of Nmap scan is the most reliable, but also the most visible, and likely to be picked up by an IDS?

- A. SYN scan
- B. ACK scan
- C. RST scan
- D. Connect scan
- E. FIN scan

Answer: D

NEW QUESTION 570

- (Exam Topic 6)

Knowing the nature of backup tapes, which of the following is the MOST RECOMMENDED way of storing backup tapes?

- A. In a cool dry environment
- B. Inside the data center for faster retrieval in a fireproof safe
- C. In a climate controlled facility offsite
- D. On a different floor in the same building

Answer: C

NEW QUESTION 574

- (Exam Topic 6)

A recent security audit revealed that there were indeed several occasions that the company's network was breached. After investigating, you discover that your IDS is not configured properly and therefore is unable to trigger alarms when needed. What type of alert is the IDS giving?

- A. True Positive
- B. False Negative
- C. False Positive
- D. False Positive

Answer: B

NEW QUESTION 578

- (Exam Topic 6)

First thing you do every office day is to check your email inbox. One morning, you received an email from your best friend and the subject line is quite strange. What should you do?

- A. Delete the email and pretend nothing happened.
- B. Forward the message to your supervisor and ask for her opinion on how to handle the situation.
- C. Forward the message to your company's security response team and permanently delete the message from your computer.
- D. Reply to the sender and ask them for more information about the message contents.

Answer: C

NEW QUESTION 582

- (Exam Topic 6)

Sandra is the security administrator of XYZ.com. One day she notices that the XYZ.com Oracle database server has been compromised and customer information along with financial data has been stolen. The financial loss will be estimated in millions of dollars if the database gets into the hands of competitors. Sandra wants to report this crime to the law enforcement agencies immediately. Which organization coordinates computer crime investigations throughout the United States?

- A. NDCA
- B. NICP
- C. CIRP
- D. NPC
- E. CIA

Answer: D

NEW QUESTION 587

- (Exam Topic 6)

Which of the following is the BEST way to protect Personally Identifiable Information (PII) from being exploited due to vulnerabilities of varying web applications?

- A. Use cryptographic storage to store all PII
- B. Use full disk encryption on all hard drives to protect PII
- C. Use encrypted communications protocols to transmit PII
- D. Use a security token to log into all Web applications that use PII

Answer: C

NEW QUESTION 590

- (Exam Topic 6)

Suppose you've gained access to your client's hybrid network. On which port should you listen to in order to know which Microsoft Windows workstations has its file sharing enabled?

- A. 1433
- B. 161
- C. 445
- D. 3389

Answer: C

NEW QUESTION 594

- (Exam Topic 6)

It is a short-range wireless communication technology that allows mobile phones, computers and other devices to connect and communicate. This technology intends to replace cables connecting portable devices with high regards to security.

- A. Bluetooth
- B. Radio-Frequency Identification
- C. WLAN
- D. InfraRed

Answer: A

NEW QUESTION 595

- (Exam Topic 6)

If you are to determine the attack surface of an organization, which of the following is the BEST thing to do?

- A. Running a network scan to detect network services in the corporate DMZ
- B. Reviewing the need for a security clearance for each employee
- C. Using configuration management to determine when and where to apply security patches
- D. Training employees on the security policy regarding social engineering

Answer: A

NEW QUESTION 597

- (Exam Topic 6)

A specific site received 91 ICMP_ECHO packets within 90 minutes from 47 different sites.

77 of the ICMP_ECHO packets had an ICMP ID:39612 and Seq:57072. 13 of the ICMP_ECHO packets had an ICMP ID:0 and Seq:0. What can you infer from this information?

- A. The packets were sent by a worm spoofing the IP addresses of 47 infected sites
- B. ICMP ID and Seq numbers were most likely set by a tool and not by the operating system
- C. All 77 packets came from the same LAN segment and hence had the same ICMP ID and Seq number
- D. 13 packets were from an external network and probably behind a NAT, as they had an ICMP ID 0 and Seq 0

Answer: B

NEW QUESTION 602

- (Exam Topic 6)

Which of the following is an NMAP script that could help detect HTTP Methods such as GET, POST, HEAD, PUT, DELETE, TRACE?

- A. http-git
- B. http-headers
- C. http enum
- D. http-methods

Answer: D

NEW QUESTION 607

- (Exam Topic 6)

What is the approximate cost of replacement and recovery operation per year of a hard drive that has a value of \$300 given that the technician who charges \$10/hr would need 10 hours to restore OS and Software and needs further 4 hours to restore the database from the last backup to the new hard disk? Calculate the SLE, ARO, and ALE. Assume the EF = 1 (100%).

- A. \$440
- B. \$100
- C. \$1320
- D. \$146

Answer: D

NEW QUESTION 610

- (Exam Topic 7)

Tess King is using the nslookup command to craft queries to list all DNS information (such as Name Servers, host names, MX records, CNAME records, glue records (delegation for child Domains), zone serial number, TimeToLive (TTL) records, etc) for a Domain.

What do you think Tess King is trying to accomplish? Select the best answer.

- A. A zone harvesting
- B. A zone transfer
- C. A zone update
- D. A zone estimate

Answer: B

NEW QUESTION 615

- (Exam Topic 7)

When discussing passwords, what is considered a brute force attack?

- A. You attempt every single possibility until you exhaust all possible combinations or discover the password
- B. You threaten to use the rubber hose on someone unless they reveal their password
- C. You load a dictionary of words into your cracking program
- D. You create hashes of a large number of words and compare it with the encrypted passwords
- E. You wait until the password expires

Answer: A

NEW QUESTION 620

- (Exam Topic 7)

What is the proper response for a NULL scan if the port is open?

- A. SYN
- B. ACK
- C. FIN
- D. PSH
- E. RST
- F. No response

Answer: F

NEW QUESTION 624

- (Exam Topic 7)

Study the snort rule given below:


```
alert tcp $EXTERNAL_NET any -> $HOME_NET 135
(msg: "NETBIOS DCERPC ISystemActivator bind attempt";
flow:to_server, established; content: "|05|"; distance: 0; within: 1;
content: "|0b|"; distance: 1; within: 1; byte_test: 1, &, 1, 0, relative;
content: "|A0 01 00 00 00 00 00 00 C0 00 00 00 00 00 00 46|";
distance: 29; within: 16; reference: cve, CAN-2003-0352;
classtype: attempted-admin; sid: 2192; rev: 1;)

alert tcp $EXTERNAL_NET any -> $HOME_NET 445 (msg: "NETBIOS SMB
DCERPC ISystemActivator bind attempt"; flow: to_server, established;
content: "|FF|SMB|25|"; nocase; offset:4, depth:5; content: "|26 00|";
nocase; distance:5; within: 12; content: "|05|"; distance:0; within:1;
content: "|0b|"; distance: 1; within: 1; byte_test: 1, &, 1, 0, relative;
content: "|A0 01 00 00 00 00 00 00 C0 00 00 00 00 00 00 46|";
distance: 29; within: 16; reference: cve, CAN-2003-0352;
classtype: attempted-admin; sid: 2193; rev: 1;)
```

From the options below, choose the exploit against which this rule applies.

- A. WebDav
- B. SQL Slammer
- C. MS Blaster
- D. MyDoom

Answer: C

NEW QUESTION 625

- (Exam Topic 7)

What is the BEST alternative if you discover that a rootkit has been installed on one of your computers?

- A. Copy the system files from a known good system
- B. Perform a trap and trace
- C. Delete the files and try to determine the source
- D. Reload from a previous backup
- E. Reload from known good media

Answer: E

NEW QUESTION 630

- (Exam Topic 7)

Which of the following tools are used for enumeration? (Choose three.)

- A. SolarWinds
- B. USER2SID
- C. Cheops
- D. SID2USER
- E. DumpSec

Answer: BDE

NEW QUESTION 631

- (Exam Topic 7)

Which of the following statements about a zone transfer is correct? (Choose three.)

- A. A zone transfer is accomplished with the DNS
- B. A zone transfer is accomplished with the nslookup service
- C. A zone transfer passes all zone information that a DNS server maintains
- D. A zone transfer passes all zone information that a nslookup server maintains
- E. A zone transfer can be prevented by blocking all inbound TCP port 53 connections
- F. Zone transfers cannot occur on the Internet

Answer: ACE

NEW QUESTION 636

- (Exam Topic 7)

How can you determine if an LM hash you extracted contains a password that is less than 8 characters long?

- A. There is no way to tell because a hash cannot be reversed
- B. The right most portion of the hash is always the same
- C. The hash always starts with AB923D
- D. The left most portion of the hash is always the same
- E. A portion of the hash will be all 0's

Answer: B

NEW QUESTION 637

- (Exam Topic 7)

One of your team members has asked you to analyze the following SOA record.

What is the TTL?

Rutgers.edu.SOA NS1.Rutgers.edu ipad.college.edu (200302028 3600 3600 604800 2400.)

- A. 200303028
- B. 3600
- C. 604800
- D. 2400
- E. 60
- F. 4800

Answer: D

NEW QUESTION 642

- (Exam Topic 7)

What is the proper response for a NULL scan if the port is closed?

- A. SYN
- B. ACK
- C. FIN
- D. PSH
- E. RST
- F. No response

Answer: E

NEW QUESTION 645

- (Exam Topic 7)

In the context of Windows Security, what is a 'null' user?

- A. A user that has no skills
- B. An account that has been suspended by the admin
- C. A pseudo account that has no username and password
- D. A pseudo account that was created for security administration purpose

Answer: C

NEW QUESTION 647

- (Exam Topic 7)

Eric has discovered a fantastic package of tools named Dsniff on the Internet. He has learnt to use these tools in his lab and is now ready for real world exploitation. He was able to effectively intercept communications between the two entities and establish credentials with both sides of the connections. The two remote ends of the communication never notice that Eric is relaying the information between the two. What would you call this attack?

- A. Interceptor
- B. Man-in-the-middle
- C. ARP Proxy
- D. Poisoning Attack

Answer: B

NEW QUESTION 648

- (Exam Topic 7)

What is GINA?

- A. Gateway Interface Network Application
- B. GUI Installed Network Application CLASS
- C. Global Internet National Authority (G-USA)
- D. Graphical Identification and Authentication DLL

Answer: D

NEW QUESTION 652

- (Exam Topic 7)

Gavin owns a white-hat firm and is performing a website security audit for one of his clients. He begins by running a scan which looks for common misconfigurations and outdated software versions. Which of the following tools is he most likely using?

- A. Nikto
- B. Nmap
- C. Metasploit
- D. Armitage

Answer: B

NEW QUESTION 657

- (Exam Topic 7)

If a token and 4-digit personal identification number (PIN) are used to access a computer system and the token performs off-line checking for the correct PIN, what type of attack is possible?

- A. Birthday
- B. Brute force
- C. Man-in-the-middle
- D. Smurf

Answer: B

NEW QUESTION 661

- (Exam Topic 7)

You work for Acme Corporation as Sales Manager. The company has tight network security restrictions. You are trying to steal data from the company's Sales database (Sales.xls) and transfer them to your home computer. Your company filters and monitors traffic that leaves from the internal network to the Internet. How will you achieve this without raising suspicion?

- A. Encrypt the Sales.xls using PGP and e-mail it to your personal gmail account
- B. Package the Sales.xls using Trojan wrappers and telnet them back your home computer
- C. You can conceal the Sales.xls database in another file like photo.jpg or other files and send it out in an innocent looking email or file transfer using Steganography techniques
- D. Change the extension of Sales.xls to sales.txt and upload them as attachment to your hotmail account

Answer: C

NEW QUESTION 666

- (Exam Topic 7)

What kind of detection techniques is being used in antivirus softwares that identifies malware by collecting data from multiple protected systems and instead of analyzing files locally it's made on the premiers environment-

- A. VCloud based
- B. Honypot based
- C. Behaviour based
- D. Heuristics based

Answer: A

NEW QUESTION 670

- (Exam Topic 7)

A user on your Windows 2000 network has discovered that he can use L0phtcrack to sniff the SMB exchanges which carry user logons. The user is plugged into a hub with 23 other systems.

However, he is unable to capture any logons though he knows that other users are logging in. What do you think is the most likely reason behind this?

- A. There is a NIDS present on that segment.
- B. Kerberos is preventing it.
- C. Windows logons cannot be sniffed.
- D. L0phtcrack only sniffs logons to web servers.

Answer: B

NEW QUESTION 672

- (Exam Topic 7)

What port number is used by LDAP protocol?

- A. 110
- B. 389
- C. 464
- D. 445

Answer: B

NEW QUESTION 675

- (Exam Topic 7)

Password cracking programs reverse the hashing process to recover passwords. (True/False.)

- A. True
- B. False

Answer: B

NEW QUESTION 679

- (Exam Topic 7)

Joseph was the Web site administrator for the Mason Insurance in New York, who's main Web site was located at www.masonins.com. Joseph uses his laptop computer regularly to administer the Web site. One night, Joseph received an urgent phone call from his friend, Smith. According to Smith, the main Mason Insurance web site had been vandalized! All of its normal content was removed and replaced with an attacker's message "Hacker Message: You are dead! Freaks!" From his office, which was directly connected to Mason Insurance's internal network, Joseph surfed to the Web site using his laptop. In his browser, the Web site looked completely intact.

No changes were apparent. Joseph called a friend of his at his home to help troubleshoot the problem. The Web site appeared defaced when his friend visited using his DSL connection. So, while Smith and his friend could see the defaced page, Joseph saw the intact Mason Insurance web site. To help make sense of this problem, Joseph decided to access the Web site using his dial-up ISP. He disconnected his laptop from the corporate internal network and used his modem to dial up the same ISP used by Smith. After his modem connected, he quickly typed `www.masonins.com` in his browser to reveal the following web page:

```
H@cker Mess@ge:
Y0u @re De@d! Fre@ks!
```

After seeing the defaced Web site, he disconnected his dial-up line, reconnected to the internal network, and used Secure Shell (SSH) to log in directly to the Web server. He ran Tripwire against the entire Web site, and determined that every system file and all the Web content on the server were intact. How did the attacker accomplish this hack?

- A. ARP spoofing
- B. SQL injection
- C. DNS poisoning
- D. Routing table injection

Answer: C

NEW QUESTION 681

- (Exam Topic 7)

You are tasked to configure the DHCP server to lease the last 100 usable IP addresses in subnet to. 1.4.0/23. Which of the following IP addresses could be teased as a result of the new configuration?

- A. 210.1.55.200
- B. 10.1.4.254
- C. 10..1.5.200
- D. 10.1.4.156

Answer: C

NEW QUESTION 686

- (Exam Topic 7)

What does the following command in netcat do? `nc -l -u -p55555 < /etc/passwd`

- A. logs the incoming connections to /etc/passwd file
- B. loads the /etc/passwd file to the UDP port 55555
- C. grabs the /etc/passwd file when connected to UDP port 55555
- D. deletes the /etc/passwd file when connected to the UDP port 55555

Answer: C

NEW QUESTION 689

- (Exam Topic 7)

As a securing consultant, what are some of the things you would recommend to a company to ensure DNS security?

- A. Use the same machines for DNS and other applications
- B. Harden DNS servers
- C. Use split-horizon operation for DNS servers
- D. Restrict Zone transfers
- E. Have subnet diversity between DNS servers

Answer: BCDE

NEW QUESTION 693

- (Exam Topic 7)

When a normal TCP connection starts, a destination host receives a SYN (synchronize/start) packet from a source host and sends back a SYN/ACK (synchronize acknowledge). The destination host must then hear an ACK (acknowledge) of the SYN/ACK before the connection is established. This is referred to as the "TCP three-way handshake." While waiting for the ACK to the SYN ACK, a connection queue of finite size on the destination host keeps track of connections waiting to be completed. This queue typically empties quickly since the ACK is expected to arrive a few milliseconds after the SYN ACK.

How would an attacker exploit this design by launching TCP SYN attack?

- A. Attacker generates TCP SYN packets with random destination addresses towards a victim host
- B. Attacker floods TCP SYN packets with random source addresses towards a victim host
- C. Attacker generates TCP ACK packets with random source addresses towards a victim host
- D. Attacker generates TCP RST packets with random source addresses towards a victim host

Answer: B

NEW QUESTION 695

- (Exam Topic 7)

Which definition among those given below best describes a covert channel?

- A. A server program using a port that is not well known.
- B. Making use of a protocol in a way it is not intended to be used.
- C. It is the multiplexing taking place on a communication link.
- D. It is one of the weak channels used by WEP which makes it insecure

Answer: B

NEW QUESTION 697

- (Exam Topic 7)

You are trying to break into a highly classified top-secret mainframe computer with highest security system in place at Merclyn Barley Bank located in Los Angeles. You know that conventional hacking doesn't work in this case, because organizations such as banks are generally tight and secure when it comes to protecting their systems.

In other words, you are trying to penetrate an otherwise impenetrable system. How would you proceed?

- A. Look for "zero-day" exploits at various underground hacker websites in Russia and China and buy the necessary exploits from these hackers and target the bank's network
- B. Try to hang around the local pubs or restaurants near the bank, get talking to a poorly-paid disgruntled employee, and offer them money if they'll abuse their access privileges by providing you with sensitive information
- C. Launch DDOS attacks against Merclyn Barley Bank's routers and firewall systems using 100, 000 or more "zombies" and "bots"
- D. Try to conduct Man-in-the-Middle (MitM) attack and divert the network traffic going to the Merclyn Barley Bank's Webserver to that of your machine using DNS Cache Poisoning techniques

Answer: B

NEW QUESTION 698

- (Exam Topic 7)

You have the SOA presented below in your Zone.

Your secondary servers have not been able to contact your primary server to synchronize information. How long will the secondary servers attempt to contact the primary server before it considers that zone is dead and stops responding to queries?

collegae.edu.SOA, cikkye.edu ipad.college.edu. (200302028 3600 3600 604800 3600)

- A. One day
- B. One hour
- C. One week
- D. One month

Answer: C

NEW QUESTION 699

- (Exam Topic 7)

Elliot is in the process of exploiting a web application that uses SQL as a back-end database. He's determined that the application is vulnerable to SQL injection, and has introduced conditional timing delays into injected queries to determine whether they are successful. What type of SQL injection is Elliot most likely performing?

- A. Error-based SQL injection
- B. Blind SQL injection
- C. Union-based SQL injection
- D. NoSQL injection

Answer: B

NEW QUESTION 700

- (Exam Topic 7)

Which of the following algorithms can be used to guarantee the integrity of messages being sent, in transit, or stored?

- A. symmetric algorithms
- B. asymmetric algorithms
- C. hashing algorithms
- D. integrity algorithms

Answer: C

NEW QUESTION 701

- (Exam Topic 7)

While examining audit logs, you discover that people are able to telnet into the SMTP server on port 25. You would like to block this, though you do not see any evidence of an attack or other wrong doing. However, you are concerned about affecting the normal functionality of the email server. From the following options choose how best you can achieve this objective?

- A. Block port 25 at the firewall.
- B. Shut off the SMTP service on the server.
- C. Force all connections to use a username and password.
- D. Switch from Windows Exchange to UNIX Sendmail.
- E. None of the above.

Answer: E

NEW QUESTION 705

- (Exam Topic 7)

The network administrator at Spears Technology, Inc has configured the default gateway Cisco router's access-list as below:

You are hired to conduct security testing on their network.

You successfully brute-force the SNMP community string using a SNMP crack tool.

The access-list configured at the router prevents you from establishing a successful connection.

You want to retrieve the Cisco configuration from the router. How would you proceed?

- A. Use the Cisco's TFTP default password to connect and download the configuration file
- B. Run a network sniffer and capture the returned traffic with the configuration file from the router
- C. Run Generic Routing Encapsulation (GRE) tunneling protocol from your computer to the router masking your IP address
- D. Send a customized SNMP set request with a spoofed source IP address in the range -192.168.1.0

Answer: BD

NEW QUESTION 710

- (Exam Topic 7)

Which of the following statements is FALSE with respect to Intrusion Detection Systems?

- A. Intrusion Detection Systems can be configured to distinguish specific content in network packets
- B. Intrusion Detection Systems can easily distinguish a malicious payload in an encrypted traffic
- C. Intrusion Detection Systems require constant update of the signature library
- D. Intrusion Detection Systems can examine the contents of the data in context of the network protocol

Answer: B

NEW QUESTION 713

- (Exam Topic 7)

A zone file consists of which of the following Resource Records (RRs)?

- A. DNS, NS, AXFR, and MX records
- B. DNS, NS, PTR, and MX records
- C. SOA, NS, AXFR, and MX records
- D. SOA, NS, A, and MX records

Answer: D

NEW QUESTION 714

- (Exam Topic 7)

What ports should be blocked on the firewall to prevent NetBIOS traffic from not coming through the firewall if your network is comprised of Windows NT, 2000, and XP?

- A. 110
- B. 135
- C. 139
- D. 161
- E. 445
- F. 1024

Answer: BCE

NEW QUESTION 717

- (Exam Topic 7)

Null sessions are un-authenticated connections (not using a username or password.) to an NT or 2000 system. Which TCP and UDP ports must you filter to check null sessions on your network?

- A. 137 and 139
- B. 137 and 443
- C. 139 and 443
- D. 139 and 445

Answer: D

NEW QUESTION 720

- (Exam Topic 7)

An attacker runs netcat tool to transfer a secret file between two hosts.

```
Machine A: netcat -l -p 1234 < secretfile
Machine B: netcat 192.168.3.4 > 1234
```

He is worried about information being sniffed on the network.

How would the attacker use netcat to encrypt the information before transmitting onto the wire?

- A. Machine A: netcat -l -p -s password 1234 < testfileMachine B: netcat <machine A IP> 1234
- B. Machine A: netcat -l -e magickey -p 1234 < testfileMachine B: netcat <machine A IP> 1234
- C. Machine A: netcat -l -p 1234 < testfile -pw passwordMachine B: netcat <machine A IP> 1234 -pw password
- D. Use cryptcat instead of netcat

Answer: D

NEW QUESTION 725

- (Exam Topic 7)

You are programming a buffer overflow exploit and you want to create a NOP sled of 200 bytes in the program exploit.c


```
char shellcode[] =  
"\x31\xc0\xb0\x46\x31\xdb\x31\xc9\xcd\x80\xeb\x16\x5b\x31\xc0"  
"\x88\x43\x07\x89\x5b\x08\x89\x43\x0c\xb0\x0b\x8d\x4b\x08\x8d"  
"\x53\x0c\xcd\x80\xe8\xe5\xff\xff\xff\x2f\x62\x69\x6e\x2f\x73"  
"\x68";
```

What is the hexadecimal value of NOP instruction?

- A. 0x60
- B. 0x80
- C. 0x70
- D. 0x90

Answer: D

NEW QUESTION 729

.....

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