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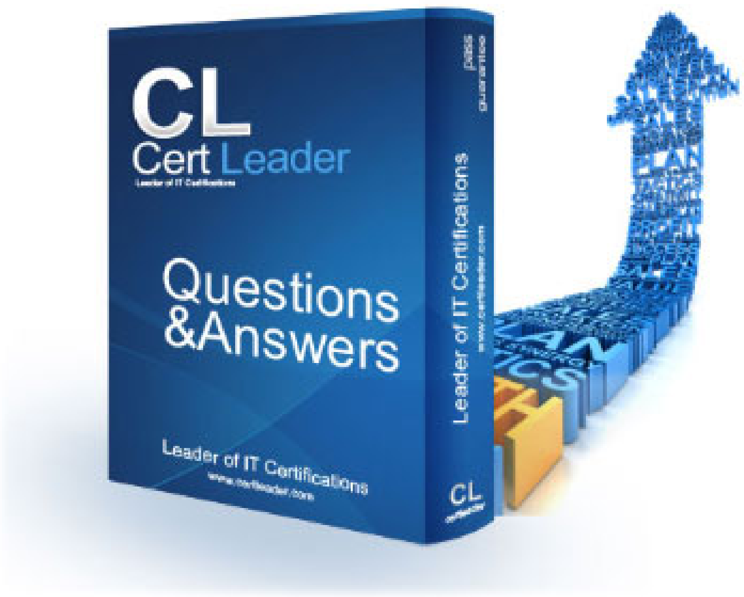


NEW QUESTION 1
- (Exam Topic 1)
What would you enter, if you wanted to perform a stealth scan using Nmap?

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

Answer: B

NEW QUESTION 2
- (Exam Topic 1)
Security Policy is a definition of what it means to be secure for a system, organization or other entity. For Information Technologies, there are sub-policies like Computer Security Policy, Information Protection Policy, Information Security Policy, network Security Policy, Physical Security Policy, Remote Access Policy, and User Account Policy.
What is the main theme of the sub-policies for Information Technologies?

A. Availability, Non-repudiation, Confidentiality
B. Authenticity, Integrity, Non-repudiation
C. Confidentiality, Integrity, Availability
D. Authenticity, Confidentiality, Integrity

Answer: C

NEW QUESTION 3
- (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 4
- (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 5
- (Exam Topic 1)
Which of the following scanning method splits the TCP header into several packets and makes it difficult for packet filters to detect the purpose of the packet?

A. ICMP Echo scanning
B. SYN/FIN scanning using IP fragments
C. ACK flag probe scanning
D. IPID scanning

Answer: B

NEW QUESTION 6
- (Exam Topic 1)
Which of the following attacks exploits web age vulnerabilities that allow an attacker to force an unsuspecting user’s browser to send malicious requests they did not intend?

A. Command Injection Attacks
B. File Injection Attack
C. Cross-Site Request Forgery (CSRF)
D. Hidden Field Manipulation Attack

Answer: C

NEW QUESTION 7
- (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 8
- (Exam Topic 1)
What type of analysis is performed when an attacker has partial knowledge of inner-workings of the application?

A. Black-box
B. Announced
C. White-box
D. Grey-box

Answer: D

NEW QUESTION 9
- (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 10
- (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 10
- (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 14
- (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 19
- (Exam Topic 1)
During the process of encryption and decryption, what keys are shared? During the process of encryption and decryption, what keys are shared?

A. Private keys
B. User passwords
C. Public keys
D. Public and private keys

Answer: C

NEW QUESTION 20
- (Exam Topic 1)
What type of vulnerability/attack is it when the malicious person forces the user’s browser to send an authenticated request to a server?

A. Cross-site request forgery
B. Cross-site scripting
C. Session hijacking
D. Server side request forgery

Answer: A

NEW QUESTION 21
- (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 26
- (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 27
- (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 31
- (Exam Topic 2)
The network administrator for a company is setting up a website with e-commerce capabilities. Packet sniffing is a concern because credit card information will be sent electronically over the Internet. Customers visiting the site will need to encrypt the data with HTTPS. Which type of certificate is used to encrypt and decrypt the data?

A. Asymmetric
B. Confidential
C. Symmetric
D. Non-confidential

Answer: A

NEW QUESTION 32
- (Exam Topic 2)
WPA2 uses AES for wireless data encryption at which of the following encryption levels?

A. 64 bit and CCMP
B. 128 bit and CRC
C. 128 bit and CCMP
D. 128 bit and TKIP

Answer: C

NEW QUESTION 33
- (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 35
- (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 37
- (Exam Topic 2)
At a Windows Server command prompt, which command could be used to list the running services?

A. Sc query type= running
B. Sc query \\servername
C. Sc query
D. Sc config

Answer: C

NEW QUESTION 40
- (Exam Topic 2)
What is the main disadvantage of the scripting languages as opposed to compiled programming languages?

A. Scripting languages are hard to learn.
B. Scripting languages are not object-oriented.
C. Scripting languages cannot be used to create graphical user interfaces.
D. Scripting languages are slower because they require an interpreter to run the code.

Answer: D

NEW QUESTION 43
- (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 44
- (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 49
- (Exam Topic 2)
A security consultant is trying to bid on a large contract that involves penetration testing and reporting. The company accepting bids wants proof of work so the consultant prints out several audits that have been performed. Which of the following is likely to occur as a result?

A. The consultant will ask for money on the bid because of great work.
B. The consultant may expose vulnerabilities of other companies.
C. The company accepting bids will want the same type of format of testing.
D. The company accepting bids will hire the consultant because of the great work performed.

Answer: B

NEW QUESTION 50
- (Exam Topic 2)
The use of alert thresholding in an IDS can reduce the volume of repeated alerts, but introduces which of the following vulnerabilities?

A. An attacker, working slowly enough, can evade detection by the IDS.
B. Network packets are dropped if the volume exceeds the threshold.
C. Thresholding interferes with the IDS’ ability to reassemble fragmented packets.
D. The IDS will not distinguish among packets originating from different sources.

Answer: A

NEW QUESTION 53
- (Exam Topic 2)
Which type of intrusion detection system can monitor and alert on attacks, but cannot stop them?

A. Detective
B. Passive
C. Intuitive
D. Reactive

Answer: B

NEW QUESTION 58
- (Exam Topic 2)
A consultant is hired to do physical penetration testing at a large financial company. In the first day of his assessment, the consultant goes to the company`s building dressed like an electrician and waits in the lobby for an employee to pass through the main access gate, then the consultant follows the employee behind to get into the restricted area. Which type of attack did the consultant perform?

A. Man trap
B. Tailgating
C. Shoulder surfing
D. Social engineering

Answer: B

NEW QUESTION 61
- (Exam Topic 2)
A hacker is attempting to use nslookup to query Domain Name Service (DNS). The hacker uses the nslookup interactive mode for the search. Which command should the hacker type into the command shell to request the appropriate records?

A. Locate type=ns
B. Request type=ns
C. Set type=ns
D. Transfer type=ns

Answer: C

NEW QUESTION 62
- (Exam Topic 2)
Which of the following is an example of an asymmetric encryption implementation?

A. SHA1
B. PGP
C. 3DES
D. MD5

Answer: B

NEW QUESTION 63
- (Exam Topic 2)
What is the best defense against privilege escalation vulnerability?

A. Patch systems regularly and upgrade interactive login privileges at the system administrator level.
B. Run administrator and applications on least privileges and use a content registry for tracking.
C. Run services with least privileged accounts and implement multi-factor authentication and authorization.
D. Review user roles and administrator privileges for maximum utilization of automation services.

Answer: C

NEW QUESTION 64
- (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 67
- (Exam Topic 2)
Which of the following is a strong post designed to stop a car?

A. Gate
B. Fence
C. Bollard
D. Reinforced rebar

Answer: C

NEW QUESTION 71
- (Exam Topic 2)
An NMAP scan of a server shows port 25 is open. What risk could this pose?

A. Open printer sharing
B. Web portal data leak
C. Clear text authentication
D. Active mail relay

Answer: D

NEW QUESTION 76
- (Exam Topic 2)
To send a PGP encrypted message, which piece of information from the recipient must the sender have before encrypting the message?

A. Recipient's private key
B. Recipient's public key
C. Master encryption key
D. Sender's public key

Answer: B

NEW QUESTION 78
- (Exam Topic 2)
What results will the following command yield: 'NMAP -sS -O -p 123-153 192.168.100.3'?

A. A stealth scan, opening port 123 and 153
B. A stealth scan, checking open ports 123 to 153
C. A stealth scan, checking all open ports excluding ports 123 to 153
D. A stealth scan, determine operating system, and scanning ports 123 to 153

Answer: D

NEW QUESTION 83
- (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 85
- (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 87
- (Exam Topic 2)
Which of the following is a component of a risk assessment?

A. Physical security

B. Administrative safeguards
C. DMZ
D. Logical interface

Answer: B

NEW QUESTION 89
- (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 90
- (Exam Topic 2)
Which of the following scanning tools is specifically designed to find potential exploits in Microsoft Windows products?

A. Microsoft Security Baseline Analyzer
B. Retina
C. Core Impact
D. Microsoft Baseline Security Analyzer

Answer: D

NEW QUESTION 95
- (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 98
- (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 102
- (Exam Topic 2)
Which of the following is an example of two factor authentication?

A. PIN Number and Birth Date
B. Username and Password
C. Digital Certificate and Hardware Token
D. Fingerprint and Smartcard ID

Answer: D

NEW QUESTION 105
- (Exam Topic 2)
Least privilege is a security concept that requires that a user is

A. limited to those functions required to do the job.
B. given root or administrative privileges.
C. trusted to keep all data and access to that data under their sole control.
D. given privileges equal to everyone else in the department.

Answer: A

NEW QUESTION 107
- (Exam Topic 2)
Which of the following is a symmetric cryptographic standard?

A. DSA
B. PKI
C. RSA
D. 3DES

Answer: D

NEW QUESTION 112
- (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 117
- (Exam Topic 2)
Which of the following settings enables Nessus to detect when it is sending too many packets and the network pipe is approaching capacity?

A. Netstat WMI Scan
B. Silent Dependencies
C. Consider unscanned ports as closed
D. Reduce parallel connections on congestion

Answer: D

NEW QUESTION 122
- (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 124
- (Exam Topic 2)
While performing data validation of web content, a security technician is required to restrict malicious input. Which of the following processes is an efficient way of restricting malicious input?

A. Validate web content input for query strings.
B. Validate web content input with scanning tools.
C. Validate web content input for type, length, and range.
D. Validate web content input for extraneous queries.

Answer: C

NEW QUESTION 125
- (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 126
- (Exam Topic 2)
What statement is true regarding LM hashes?

A. LM hashes consist in 48 hexadecimal characters.
B. LM hashes are based on AES128 cryptographic standard.
C. Uppercase characters in the password are converted to lowercase.

D. LM hashes are not generated when the password length exceeds 15 characters.

Answer: D

NEW QUESTION 128
- (Exam Topic 3)
Which of the following describes a component of Public Key Infrastructure (PKI) where a copy of a private key is stored to provide third-party access and to facilitate recovery operations?

A. Key registry
B. Recovery agent
C. Directory
D. Key escrow

Answer: D

NEW QUESTION 133
- (Exam Topic 3)
How can a policy help improve an employee's security awareness?

A. By implementing written security procedures, enabling employee security training, and promoting the benefits of security
B. By using informal networks of communication, establishing secret passing procedures, and immediately terminating employees
C. By sharing security secrets with employees, enabling employees to share secrets, and establishing a consultative help line
D. By decreasing an employee's vacation time, addressing ad-hoc employment clauses, and ensuring that managers know employee strengths

Answer: A

NEW QUESTION 134
- (Exam Topic 3)
Which element of Public Key Infrastructure (PKI) verifies the applicant?

A. Certificate authority
B. Validation authority
C. Registration authority
D. Verification authority

Answer: C

NEW QUESTION 138
- (Exam Topic 3)
To reduce the attack surface of a system, administrators should perform which of the following processes to remove unnecessary software, services, and insecure configuration settings?

A. Harvesting
B. Windowing
C. Hardening
D. Stealthing

Answer: C

NEW QUESTION 141
- (Exam Topic 3)
Which security strategy requires using several, varying methods to protect IT systems against attacks?

A. Defense in depth
B. Three-way handshake
C. Covert channels
D. Exponential backoff algorithm

Answer: A

NEW QUESTION 142
- (Exam Topic 3)
Which method can provide a better return on IT security investment and provide a thorough and comprehensive assessment of organizational security covering policy, procedure design, and implementation?

A. Penetration testing
B. Social engineering
C. Vulnerability scanning
D. Access control list reviews

Answer: A

NEW QUESTION 143
- (Exam Topic 3)

Which of the following ensures that updates to policies, procedures, and configurations are made in a controlled and documented fashion?

A. Regulatory compliance
B. Peer review
C. Change management
D. Penetration testing

Answer: C

NEW QUESTION 144
- (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 146
- (Exam Topic 3)
Which type of security document is written with specific step-by-step details?

A. Process
B. Procedure
C. Policy
D. Paradigm

Answer: B

NEW QUESTION 151
- (Exam Topic 3)
A certified ethical hacker (CEH) completed a penetration test of the main headquarters of a company almost two months ago, but has yet to get paid. The customer is suffering from financial problems, and the CEH is worried that the company will go out of business and end up not paying. What actions should the CEH take?

A. Threaten to publish the penetration test results if not paid.
B. Follow proper legal procedures against the company to request payment.
C. Tell other customers of the financial problems with payments from this company.
D. Exploit some of the vulnerabilities found on the company webserver to deface it.

Answer: B

NEW QUESTION 155
- (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 156
- (Exam Topic 4)
You've just been hired to perform a pen test on an organization that has been subjected to a large-scale attack. The CIO is concerned with mitigating threats and vulnerabilities to totally eliminate risk.
What is one of the first things you should do when given the job?

A. Explain to the CIO that you cannot eliminate all risk, but you will be able to reduce risk to acceptablelevels.
B. Interview all employees in the company to rule out possible insider threats.
C. Establish attribution to suspected attackers.
D. Start the wireshark application to start sniffing network traffic.

Answer: A

Explanation:
The goals of penetration tests are:
References: https://en.wikipedia.org/wiki/Penetration_test

NEW QUESTION 160
- (Exam Topic 4)

You have successfully gained access to a linux server and would like to ensure that the succeeding outgoing traffic from this server will not be caught by a Network Based Intrusion Detection Systems (NIDS).
What is the best way to evade the NIDS?

A. Encryption
B. Protocol Isolation
C. Alternate Data Streams
D. Out of band signalling

Answer: A

Explanation:
When the NIDS encounters encrypted traffic, the only analysis it can perform is packet level analysis, since the application layer contents are inaccessible. Given that exploits against today's networks are primarily targeted against network services (application layer entities), packet level analysis ends up doing very little to protect our core business assets.
References:
http://www.techrepublic.com/article/avoid-these-five-common-ids-implementation-errors/

NEW QUESTION 164
- (Exam Topic 4)
You are a Network Security Officer. You have two machines. The first machine (192.168.0.99) has snort installed, and the second machine (192.168.0.150) has kiwi syslog installed. You perform a syn scan in your network, and you notice that kiwi syslog is not receiving the alert message from snort. You decide to run wireshark in the snort machine to check if the messages are going to the kiwi syslog machine.
What wireshark filter will show the connections from the snort machine to kiwi syslog machine?

A. tcp.dstport==514 && ip.dst==192.168.0.150
B. tcp.srcport==514 && ip.src==192.168.0.99
C. tcp.dstport==514 && ip.dst==192.168.0.0/16
D. tcp.srcport==514 && ip.src==192.168.150

Answer: A

Explanation:
We need to configure destination port at destination ip. The destination ip is 192.168.0.150, where the kiwi syslog is installed.
References: https://wiki.wireshark.org/DisplayFilters

NEW QUESTION 169
- (Exam Topic 4)
During a blackbox pen test you attempt to pass IRC traffic over port 80/TCP from a compromised web enabled host. The traffic gets blocked; however, outbound HTTP traffic is unimpeded.
What type of firewall is inspecting outbound traffic?

A. Application
B. Circuit
C. Stateful
D. Packet Filtering

Answer: A

Explanation:
An application firewall is an enhanced firewall that limits access by applications to the operating system (OS) of a computer. Conventional firewalls merely control the flow of data to and from the central processing unit (CPU), examining each packet and determining whether or not to forward it toward a particular destination. An application firewall offers additional protection by controlling the execution of files or the handling of data by specific applications.
References:
http://searchsoftwarequality.techtarget.com/definition/application-firewall

NEW QUESTION 173
- (Exam Topic 4)
You have compromised a server and successfully gained a root access. You want to pivot and pass traffic undetected over the network and evade any possible Intrusion Detection System.
What is the best approach?

A. Install Cryptcat and encrypt outgoing packets from this server.
B. Install and use Telnet to encrypt all outgoing traffic from this server.
C. Use Alternate Data Streams to hide the outgoing packets from this server.
D. Use HTTP so that all traffic can be routed via a browser, thus evading the internal Intrusion Detection Systems.

Answer: A

Explanation:
Cryptcat enables us to communicate between two systems and encrypts the communication between them with twofish.
References:
http://null-byte.wonderhowto.com/how-to/hack-like-pro-create-nearly-undetectable-backdoor-with-cryptcat-014

NEW QUESTION 177
- (Exam Topic 4)
It is a short-range wireless communication technology intended to replace the cables connecting portable of fixed devices while maintaining high levels of security. It allows mobile phones, computers and other devices to connect and communicate using a short-range wireless connection.
Which of the following terms best matches the definition?

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

Answer: A

Explanation:
Bluetooth is a standard for the short-range wireless interconnection of mobile phones, computers, and other electronic devices.
References:
http://www.bbc.co.uk/webwise/guides/about-bluetooth

NEW QUESTION 182
- (Exam Topic 4)
What is the best description of SQL Injection?

A. It is an attack used to gain unauthorized access to a database.
B. It is an attack used to modify code in an application.
C. It is a Man-in-the-Middle attack between your SQL Server and Web App Server.
D. It is a Denial of Service Attack.

Answer: A

Explanation:
SQL injection is a code injection technique, used to attack data-driven applications, in which malicious SQL statements are inserted into an entry field for execution (e.g. to dump the database contents to the attacker).
References: https://en.wikipedia.org/wiki/SQL_injection

NEW QUESTION 187
- (Exam Topic 4)
When you are getting information about a web server, it is very important to know the HTTP Methods (GET, POST, HEAD, PUT, DELETE, TRACE) that are available because there are two critical methods (PUT and DELETE). PUT can upload a file to the server and DELETE can delete a file from the server. You can detect all these methods (GET, POST, HEAD, PUT, DELETE, TRACE) using NMAP script engine.
What nmap script will help you with this task?

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

Answer: A

Explanation:
You can check HTTP method vulnerability using NMAP. Example: #nmap –script=http-methods.nse 192.168.0.25 References:
http://solutionsatexperts.com/http-method-vulnerability-check-using-nmap/

NEW QUESTION 190
- (Exam Topic 4)
During a recent security assessment, you discover the organization has one Domain Name Server (DNS) in a Demilitarized Zone (DMZ) and a second DNS server on the internal network.
What is this type of DNS configuration commonly called?

A. Split DNS
B. DNSSEC
C. DynDNS
D. DNS Scheme

Answer: A

Explanation:
In a split DNS infrastructure, you create two zones for the same domain, one to be used by the internal network, the other used by the external network. Split DNS directs internal hosts to an internal domain name server for name resolution and external hosts are directed to an external domain name server for name resolution.
References:
http://www.webopedia.com/TERM/S/split_DNS.html

NEW QUESTION 191
- (Exam Topic 4)
You are logged in as a local admin on a Windows 7 system and you need to launch the Computer Management Console from command line.
Which command would you use?

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

Answer: A

Explanation:

To start the Computer Management Console from command line just type compmgmt.msc
/computer:computername in your run box or at the command line and it should automatically open the Computer Management console.
References:
http://www.waynezim.com/tag/compmgmtmsc/

NEW QUESTION 192
- (Exam Topic 4)
Which of the following is a design pattern based on distinct pieces of software providing application functionality as services to other applications?

A. Service Oriented Architecture
B. Object Oriented Architecture
C. Lean Coding
D. Agile Process

Answer: A

Explanation:
A service-oriented architecture (SOA) is an architectural pattern in computer software design in which application components provide services to other components via a communications protocol, typically over a network.
References: https://en.wikipedia.org/wiki/Service-oriented_architecture

NEW QUESTION 195
- (Exam Topic 4)
Which regulation defines security and privacy controls for Federal information systems and organizations?

A. NIST-800-53
B. PCI-DSS
C. EU Safe Harbor
D. HIPAA

Answer: A

Explanation:
NIST Special Publication 800-53, "Security and Privacy Controls for Federal Information Systems and Organizations," provides a catalog of security controls for all U.S. federal information systems except those related to national security.
References: https://en.wikipedia.org/wiki/NIST_Special_Publication_800-53

NEW QUESTION 200
- (Exam Topic 4)
After trying multiple exploits, you've gained root access to a Centos 6 server. To ensure you maintain access, what would you do first?

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

Answer: A

NEW QUESTION 205
- (Exam Topic 4)
Initiating an attack against targeted businesses and organizations, threat actors compromise a carefully selected website by inserting an exploit resulting in malware infection. The attackers run exploits on well-known and trusted sites likely to be visited by their targeted victims. Aside from carefully choosing sites to compromise, these attacks are known to incorporate zero-day exploits that target unpatched vulnerabilities. Thus, the targeted entities are left with little or no defense against these exploits.
What type of attack is outlined in the scenario?

A. Watering Hole Attack
B. Heartbleed Attack
C. Shellshock Attack
D. Spear Phising Attack

Answer: A

Explanation:
Watering Hole is a computer attack strategy, in which the victim is a particular group (organization, industry, or region). In this attack, the attacker guesses or observes which websites the group often uses and infects one or more of them with malware. Eventually, some member of the targeted group gets infected.

NEW QUESTION 207
- (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. Masqurading
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)

NEW QUESTION 208
- (Exam Topic 4)
It is a regulation that has a set of guidelines, which should be adhered to by anyone who handles any electronic medical data. These guidelines stipulate that all medical practices must ensure that all necessary measures are in place while saving, accessing, and sharing any electronic medical data to keep patient data secure.
Which of the following regulations best matches the description?

A. HIPAA
B. ISO/IEC 27002
C. COBIT
D. FISMA

Answer: A

Explanation:
The HIPAA Privacy Rule regulates the use and disclosure of Protected Health Information (PHI) held by "covered entities" (generally, health care clearinghouses, employer sponsored health plans, health insurers, and medical service providers that engage in certain transactions.)[15] By regulation, the Department of Health and Human Services extended the HIPAA privacy rule to independent contractors of covered entities who fit within the definition of "business associates".
References: https://en.wikipedia.org/wiki/Health_Insurance_Portability_and_Accountability_Act#Privacy_Rule

NEW QUESTION 210
- (Exam Topic 4)
The configuration allows a wired or wireless network interface controller to pass all traffic it receives to the central processing unit (CPU), rather than passing only the frames that the controller is intended to receive.
Which of the following is being described?

A. promiscuous mode
B. port forwarding
C. multi-cast mode
D. WEM

Answer: A

Explanation:
Promiscuous mode refers to the special mode of Ethernet hardware, in particular network interface cards (NICs), that allows a NIC to receive all traffic on the network, even if it is not addressed to this NIC. By default, a NIC ignores all traffic that is not addressed to it, which is done by comparing the destination address of the Ethernet packet with the hardware address (a.k.a. MAC) of the device. While this makes perfect sense for networking, non-promiscuous mode makes it difficult to use network monitoring and analysis software for diagnosing connectivity issues or traffic accounting.
References: https://www.tamos.com/htmlhelp/monitoring/

NEW QUESTION 213
- (Exam Topic 4)
Your company was hired by a small healthcare provider to perform a technical assessment on the network. What is the best approach for discovering vulnerabilities on a Windows-based computer?

A. Use a scan tool like Nessus
B. Use the built-in Windows Update tool
C. Check MITRE.org for the latest list of CVE findings
D. Create a disk image of a clean Windows installation

Answer: A

Explanation:
Nessus is an open-source network vulnerability scanner that uses the Common Vulnerabilities and Exposures architecture for easy cross-linking between compliant security tools.
The Nessus server is currently available for Unix, Linux and FreeBSD. The client is available for Unix- or Windows-based operating systems.
Note: Significant capabilities of Nessus include: References: http://searchnetworking.techtarget.com/definition/Nessus

NEW QUESTION 216
- (Exam Topic 5)
A new wireless client is configured to join a 802.11 network. This client uses the same hardware and software as many of the other clients on the network. The client can see the network, but cannot connect. A wireless packet sniffer shows that the Wireless Access Point (WAP) is not responding to the association requests being sent by the wireless client.
What is a possible source of this problem?

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

Answer: A

Explanation:
MAC Filtering (or GUI filtering, or layer 2 address filtering) refers to a security access control method whereby the 48-bit address assigned to each network card is used to determine access to the network. MAC Filtering is often used on wireless networks.
References: https://en.wikipedia.org/wiki/MAC_filtering

NEW QUESTION 220
- (Exam Topic 5)
The company ABC recently discovered that their new product was released by the opposition before their premiere. They contract an investigator who discovered that the maid threw away papers with confidential information about the new product and the opposition found it in the garbage. What is the name of the technique used by the opposition?

A. Hack attack
B. Sniffing
C. Dumpster diving
D. Spying

Answer: C

NEW QUESTION 224
- (Exam Topic 5)
A company's Web development team has become aware of a certain type of security vulnerability in their Web software. To mitigate the possibility of this vulnerability being exploited, the team wants to modify the software requirements to disallow users from entering HTML as input into their Web application.
What kind of Web application vulnerability likely exists in their software?

A. Cross-site scripting vulnerability
B. Cross-site Request Forgery vulnerability
C. SQL injection vulnerability
D. Web site defacement vulnerability

Answer: A

Explanation:
Many operators of particular web applications (e.g. forums and webmail) allow users to utilize a limited subset of HTML markup. When accepting HTML input from users (say, <b>very</b> large), output encoding (such as &lt;b&gt;very&lt;/b&gt; large) will not suffice since the user input needs to be rendered as HTML by the browser (so it shows as "very large", instead of "<b>very</b> large"). Stopping an XSS attack when accepting HTML input from users is much more complex in this situation. Untrusted HTML input must be run through an HTML sanitization engine to ensure that it does not contain cross-site scripting code.
References: https://en.wikipedia.org/wiki/Cross-site_scripting#Safely_validating_untrusted_HTML_input

NEW QUESTION 225
- (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 than 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 227
- (Exam Topic 5)
In cryptanalysis and computer security, 'pass the hash' is a hacking technique that allows an attacker to authenticate to a remote server/service by using the underlying NTLM and/or LanMan hash of a user's password, instead of requiring the associated plaintext password as is normally the case.
Metasploit Framework has a module for this technique: psexec. The psexec module is often used by penetration testers to obtain access to a given system that you already know the credentials for. It was written by sysinternals and has been integrated within the framework. Often as penetration testers, successfully gain access to a system through some exploit, use meterpreter to grab the passwords or other methods like fgdump, pwdump, or cachedump and then utilize rainbowtables to crack those hash values.
Which of the following is true hash type and sort order that is using in the psexec module's 'smbpass'?

A. NT:LM
B. LM:NT
C. LM:NTLM
D. NTLM:LM

Answer: B

NEW QUESTION 231
- (Exam Topic 5)

What two conditions must a digital signature meet?

A. Has to be unforgeable, and has to be authentic.
B. Has to be legible and neat.
C. Must be unique and have special characters.
D. Has to be the same number of characters as a physical signature and must be unique.

Answer: A

NEW QUESTION 236
- (Exam Topic 5)
Rebecca commonly sees an error on her Windows system that states that a Data Execution Prevention (DEP) error has taken place. Which of the following is most likely taking place?

A. A race condition is being exploited, and the operating system is containing the malicious process.
B. A page fault is occurring, which forces the operating system to write data from the hard drive.
C. Malware is executing in either ROM or a cache memory area.
D. Malicious code is attempting to execute instruction in a non-executable memory region.

Answer: D

NEW QUESTION 237
- (Exam Topic 5)
The company ABC recently contracted a new accountant. The accountant will be working with the financial statements. Those financial statements need to be approved by the CFO and then they will be sent to the accountant but the CFO is worried because he wants to be sure that the information sent to the accountant was not modified once he approved it. What of the following options can be useful to ensure the integrity of the data?

A. The document can be sent to the accountant using an exclusive USB for that document.
B. The CFO can use a hash algorithm in the document once he approved the financial statements.
C. The financial statements can be sent twice, one by email and the other delivered in USB and the accountant can compare both to be sure it is the same document.
D. The CFO can use an excel file with a password.

Answer: B

NEW QUESTION 239
- (Exam Topic 5)
An attacker is using nmap to do a ping sweep and a port scanning in a subnet of 254 addresses. In which order should he perform these steps?

A. The sequence does not matte
B. Both steps have to be performed against all hosts.
C. First the port scan to identify interesting services and then the ping sweep to find hosts responding to icmp echo requests.
D. First the ping sweep to identify live hosts and then the port scan on the live host
E. This way he saves time.
F. The port scan alone is adequat
G. This way he saves time.

Answer: C

NEW QUESTION 240
- (Exam Topic 5)
____ is a set of extensions to DNS that provide to DNS clients (resolvers) origin authentication of DNS data to reduce the threat of DNS poisoning, spoofing, and similar attacks types.

A. DNSSEC
B. Zone transfer
C. Resource transfer
D. Resource records

Answer: A

NEW QUESTION 241
- (Exam Topic 5)
Bob learned that his username and password for a popular game has been compromised. He contacts the company and resets all the information. The company suggests he use two-factor authentication, which option below offers that?

A. A new username and password
B. A fingerprint scanner and his username and password.
C. Disable his username and use just a fingerprint scanner.
D. His username and a stronger password.

Answer: B

NEW QUESTION 242
- (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.entrustrm.com/blog/1132/why-is-offsite-tape-storage-the-best-disaster-recovery-strategy

NEW QUESTION 244
- (Exam Topic 5)
What term describes the amount of risk that remains after the vulnerabilities are classified and the countermeasures have been deployed?

A. Residual risk
B. Inherent risk
C. Deferred risk
D. Impact risk

Answer: A

Explanation:
The residual risk is the risk or danger of an action or an event, a method or a (technical) process that, although being abreast with science, still conceives these dangers, even if all theoretically possible safety measures would be applied (scientifically conceivable measures); in other words, the amount of risk left over after natural or inherent risks have been reduced by risk controls.
References: https://en.wikipedia.org/wiki/Residual_risk

NEW QUESTION 249
- (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 250
- (Exam Topic 5)
To determine if a software program properly handles a wide range of invalid input, a form of automated testing can be used to randomly generate invalid input in an attempt to crash the program.
What term is commonly used when referring to this type of testing?

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

Answer: A

Explanation:
Fuzz testing or fuzzing is a software testing technique, often automated or semi-automated, that involves providing invalid, unexpected, or random data to the inputs of a computer program. The program is then monitored for exceptions such as crashes, or failing built-in code assertions or for finding potential memory leaks. Fuzzing is commonly used to test for security problems in software or computer systems. It is a form of random testing which has been used for testing hardware or software.
References: https://en.wikipedia.org/wiki/Fuzz_testing

NEW QUESTION 252
- (Exam Topic 5)
What is not a PCI compliance recommendation?

A. Limit access to card holder data to as few individuals as possible.
B. Use encryption to protect all transmission of card holder data over any public network.
C. Rotate employees handling credit card transactions on a yearly basis to different departments.
D. Use a firewall between the public network and the payment card data.

Answer: C

NEW QUESTION 256
- (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\IocaI 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 257
- (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 259
- (Exam Topic 6)
Which Type of scan sends a packets with no flags set?

A. Open Scan
B. Null Scan
C. Xmas Scan
D. Half-Open Scan

Answer: B

NEW QUESTION 263
- (Exam Topic 6)
As an Ethical Hacker you are capturing traffic from your customer network with Wireshark and you need to find and verify just SMTP traffic. What command in Wireshark will help you to find this kind of traffic?

A. request smtp 25
B. tcp.port eq 25
C. smtp port
D. tcp.contains port 25

Answer: B

NEW QUESTION 268
- (Exam Topic 6)
A hacker was able to easily gain access to a website. He was able to log in via the frontend user login form of the website using default or commonly used credentials. This exploitation is an example of what Software design flaw?

A. Insufficient security management
B. Insufficient database hardening
C. Insufficient input validation
D. Insufficient exception handling

Answer: B

NEW QUESTION 271
- (Exam Topic 6)
SNMP is a protocol used to query hosts, servers, and devices about performance or health status data. This protocol has long been used by hackers to gather great amount of information about remote hosts. Which of the following features makes this possible? (Choose two.)

A. It used TCP as the underlying protocol.
B. It uses community string that is transmitted in clear text.
C. It is susceptible to sniffing.
D. It is used by all network devices on the market.

Answer: BD

NEW QUESTION 274
- (Exam Topic 6)
TCP/IP stack fingerprinting is the passive collection of configuration attributes from a remote device during standard layer 4 network communications. Which of the following tools can be used for passive OS fingerprinting?

A. nmap
B. ping
C. tracert
D. tcpdump

Answer: D

NEW QUESTION 277
- (Exam Topic 6)
The practical realities facing organizations today make risk response strategies essential. Which of the following is NOT one of the five basic responses to risk?

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

Answer: C

NEW QUESTION 280
- (Exam Topic 6)
Which of the following will perform an Xmas scan using NMAP?

A. nmap -sA 192.168.1.254
B. nmap -sP 192.168.1.254
C. nmap -sX 192.168.1.254
D. nmap -sV 192.168.1.254

Answer: C

NEW QUESTION 285
- (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 286
- (Exam Topic 6)
Which among the following is a Windows command that a hacker can use to list all the shares to which the current user context has access?

A. NET FILE
B. NET USE
C. NET CONFIG
D. NET VIEW

Answer: B

NEW QUESTION 289
- (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 291
- (Exam Topic 6)
LM hash is a compromised password hashing function. Which of the following parameters describe LM Hash:?
I – The maximum password length is 14 characters.
II – There are no distinctions between uppercase and lowercase.
III – It's a simple algorithm, so 10,000,000 hashes can be generated per second.

A. I
B. I, II, and III
C. II
D. I and II

Answer: B

NEW QUESTION 293
- (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 295
- (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 296
- (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 297
- (Exam Topic 6)
Security and privacy of/on information systems are two entities that requires lawful regulations. Which of the following regulations defines security and privacy controls for Federal information systems and organizations?

A. NIST SP 800-53
B. PCI-DSS
C. EU Safe Harbor
D. HIPAA

Answer: A

NEW QUESTION 299
- (Exam Topic 6)
Which of the following is a serious vulnerability in the popular OpenSSL cryptographic software library? This weakness allows stealing the information protected, under normal conditions, by the SSL/TLS encryption used to secure the Internet.

A. Heartbleed Bug
B. POODLE
C. SSL/TLS Renegotiation Vulnerability
D. Shellshock

Answer: A

NEW QUESTION 304
- (Exam Topic 6)
The following are types of Bluetooth attack EXCEPT ?

A. Bluejacking
B. Bluesmaking
C. Bluesnarfing
D. Bluedriving

Answer: D

NEW QUESTION 305
- (Exam Topic 6)
Which of the following is a vulnerability in GNU's bash shell (discovered in September of 2014) that gives attackers access to run remote commands on a vulnerable system?

A. Shellshock
B. Rootshell

C. Rootshock
D. Shellbash

Answer: A

NEW QUESTION 309
- (Exam Topic 6)
Which of the following command line switch would you use for OS detection in Nmap?

A. -D
B. -O
C. -P
D. –X

Answer: B

NEW QUESTION 314
- (Exam Topic 6)
While doing a Black box pen test via the TCP port (80), you noticed that the traffic gets blocked when you tried to pass IRC traffic from a web enabled host. However, you also noticed that outbound HTTP traffic is being allowed. What type of firewall is being utilized for the outbound traffic?

A. Stateful
B. Application
C. Circuit
D. Packet Filtering

Answer: B

NEW QUESTION 317
- (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 319
- (Exam Topic 7)
This kind of password cracking method uses word lists in combination with numbers and special characters:

A. Hybrid
B. Linear
C. Symmetric
D. Brute Force

Answer: A

NEW QUESTION 321
- (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 322
- (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 323
- (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 328
- (Exam Topic 7)
Windows LAN Manager (LM) hashes are known to be weak.
Which of the following are known weaknesses of LM? (Choose three.)

A. Converts passwords to uppercase.
B. Hashes are sent in clear text over the network.
C. Makes use of only 32-bit encryption.
D. Effective length is 7 characters.

Answer: ABD

NEW QUESTION 330
- (Exam Topic 7)
Password cracking programs reverse the hashing process to recover passwords. (True/False.)

A. True
B. False

Answer: B

NEW QUESTION 335
- (Exam Topic 7)
What hacking attack is challenge/response authentication used to prevent?

A. Replay attacks
B. Scanning attacks
C. Session hijacking attacks
D. Password cracking attacks

Answer: A

NEW QUESTION 337
- (Exam Topic 7)
You have retrieved the raw hash values from a Windows 2000 Domain Controller. Using social engineering, you come to know that they are enforcing strong passwords. You understand that all users are required to use passwords that are at least 8 characters in length. All passwords must also use 3 of the 4 following categories: lower case letters, capital letters, numbers and special characters. With your existing knowledge of users, likely user account names and the possibility that they will choose the easiest passwords possible, what would be the fastest type of password cracking attack you can run against these hash values and still get results?

A. Online Attack
B. Dictionary Attack
C. Brute Force Attack
D. Hybrid Attack

Answer: D

NEW QUESTION 338
- (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 343
- (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

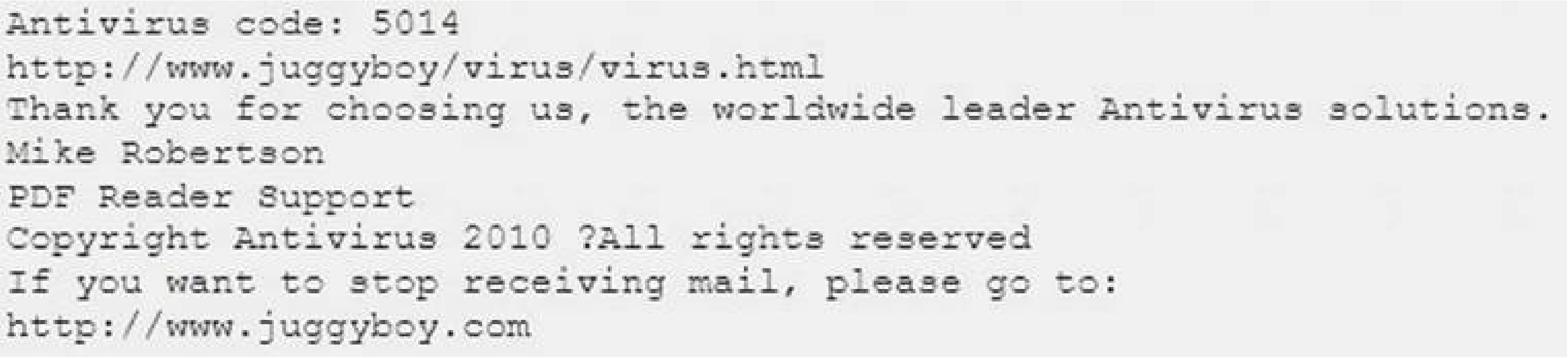
Answer: C

NEW QUESTION 346
- (Exam Topic 7)
Which of the following represents the initial two commands that an IRC client sends to join an IRC network?

A. USER, NICK
B. LOGIN, NICK
C. USER, PASS
D. LOGIN, USER

Answer: A

NEW QUESTION 350
- (Exam Topic 7)
You receive an e-mail like the one shown below. When you click on the link contained in the mail, you are redirected to a website seeking you to download free Anti-Virus software.
Dear valued customers,
We are pleased to announce the newest version of Antivirus 2010 for Windows which will probe you with total security against the latest spyware, malware, viruses, Trojans and other online threats. Simply visit the link below and enter your antivirus code:



Antivirus code: 5014
http://www.juggyboy/virus/virus.html
Thank you for choosing us, the worldwide leader Antivirus solutions.
Mike Robertson
PDF Reader Support
Copyright Antivirus 2010 ?All rights reserved
If you want to stop receiving mail, please go to:
http://www.juggyboy.com

or you may contact us at the following address: Media Internet Consultants, Edif. Neptuno, Planta
Baja, Ave. Ricardo J. Alfaro, Tumba Muerto, n/a Panama
How will you determine if this is Real Anti-Virus or Fake Anti-Virus website?

A. Look at the website design, if it looks professional then it is a Real Anti-Virus website
B. Connect to the site using SSL, if you are successful then the website is genuine
C. Search using the URL and Anti-Virus product name into Google and lookout for suspicious warnings against this site
D. Download and install Anti-Virus software from this suspicious looking site, your Windows 7 will prompt you and stop the installation if the downloaded file is a malware
E. Download and install Anti-Virus software from this suspicious looking site, your Windows 7 will prompt you and stop the installation if the downloaded file is a malware

Answer: C

NEW QUESTION 353
- (Exam Topic 7)
Based on the following extract from the log of a compromised machine, what is the hacker really trying to steal?

A. har.txt
B. SAM file
C. wwwroot
D. Repair file

Answer: B

NEW QUESTION 354
- (Exam Topic 7)
You are analysing traffic on the network with Wireshark. You want to routinely run a cron job which will run the capture against a specific set of IPs - 192.168.8.0/24. What command you would use?

A. wireshark --fetch "192.168.8*"
B. wireshark --capture --local masked 192.168.8.0 ---range 24
C. tshark -net 192.255.255.255 mask 192.168.8.0
D. sudo tshark -f"net 192 .68.8.0/24"

Answer: D

NEW QUESTION 359
- (Exam Topic 7)
Which DNS resource record can indicate how long any "DNS poisoning" could last?

A. MX
B. SOA
C. NS
D. TIMEOUT

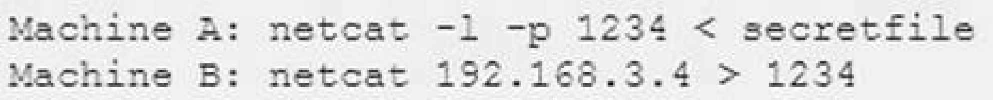
Answer: B

NEW QUESTION 363
- (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 368
- (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 372
- (Exam Topic 7)
In the context of password security, a simple dictionary attack involves loading a dictionary file (a text file full of dictionary words) into a cracking application such as L0phtCrack or John the Ripper, and running it against user accounts located by the application. The larger the word and word fragment selection, the more effective the dictionary attack is. The brute force method is the most inclusive, although slow. It usually tries every possible letter and number combination in its automated exploration. If you would use both brute force and dictionary methods combined together to have variation of words, what would you call such an attack?

A. Full Blown
B. Thorough
C. Hybrid
D. BruteDics

Answer: C

NEW QUESTION 377
- (Exam Topic 7)
What do Trinoo, TFN2k, WinTrinoo, T-Sight, and Stracheldraht have in common?

A. All are hacking tools developed by the legion of doom
B. All are tools that can be used not only by hackers, but also security personnel
C. All are DDOS tools
D. All are tools that are only effective against Windows
E. All are tools that are only effective against Linux

Answer: C

NEW QUESTION 380
- (Exam Topic 7)
How does a denial-of-service attack work?

A. A hacker prevents a legitimate user (or group of users) from accessing a service
B. A hacker uses every character, word, or letter he or she can think of to defeat authentication
C. A hacker tries to decipher a password by using a system, which subsequently crashes the network
D. A hacker attempts to imitate a legitimate user by confusing a computer or even another person

Answer: A

NEW QUESTION 382
- (Exam Topic 7)
Yancey is a network security administrator for a large electric company. This company provides power for over 100, 000 people in Las Vegas. Yancey has worked for his company for over 15 years and has become very successful. One day, Yancey comes in to work and finds out that the company will be downsizing and he will be out of a job in two weeks. Yancey is very angry and decides to place logic bombs, viruses, Trojans, and backdoors all over the network to take down the company once he has left. Yancey does not care if his actions land him in jail for 30 or more years, he just wants the company to pay for what they are doing to him.
What would Yancey be considered?

A. Yancey would be considered a Suicide Hacker
B. Since he does not care about going to jail, he would be considered a Black Hat
C. Because Yancey works for the company currently; he would be a White Hat
D. Yancey is a Hacktivist Hacker since he is standing up to a company that is downsizing

Answer: A

NEW QUESTION 386
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