312-50v11 Dumps

Certified Ethical Hacker Exam (CEH v11)

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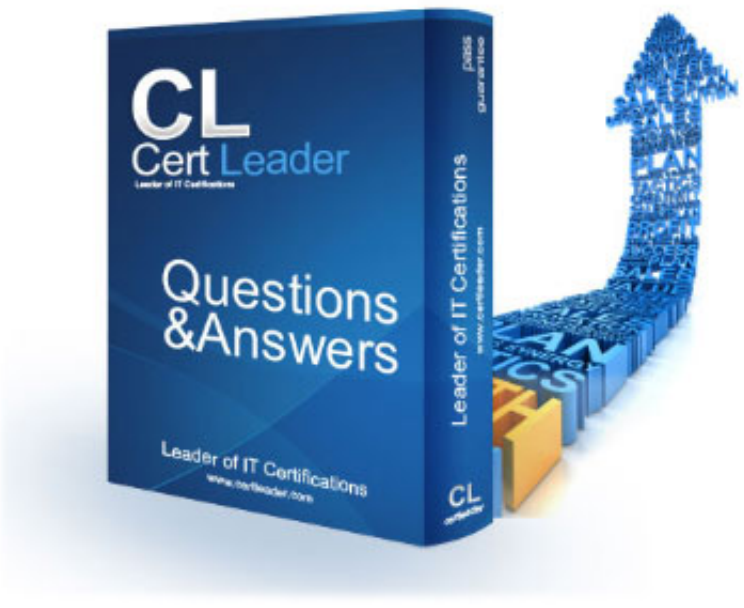


NEW QUESTION 1
Why containers are less secure that virtual machines?

A. Host OS on containers has a larger surface attack.
B. Containers may full fill disk space of the host.
C. A compromise container may cause a CPU starvation of the host.
D. Containers are attached to the same virtual network.

Answer: A

NEW QUESTION 2
Study the following log extract and identify the attack.

```
12/26-07:06:31.167035 207.219.207.240:1882 -> 172.16.1.106:80
TCP TTL:13 TTL:50 TOS:0x0 IP:53476 DFF
***AP*** Seq: 0x2BDC107 Ack: 0x1CB9F186 Win: 0x2238 TcpLen: 20
47 45 54 20 2F 6D 73 61 64 63 2F 2E 2E C0 AF 2E GET /msadc/.....
2E 2F 2E 2E C0 AF 2E 2E 2F 2E 2E C0 AF 2E 2E 2F ./....../....../
77 69 6E 6E 74 2F 73 79 73 74 65 6D 33 32 2F 63 winnt/system32/c
6D 64 2E 65 78 65 3F 2F 63 2B 64 69 72 2B 63 3A md.exe?/c+dir+c:
5C 20 48 54 54 50 2F 31 2E 31 0D 0A 41 63 63 65 \ HTTP/1.1..Acce
70 74 3A 20 69 6D 61 67 65 2F 67 69 66 2C 20 69 pt: image/gif, i
6D 61 67 65 2F 78 2D 78 62 69 74 6D 61 70 2C 20 mage/x-xbitmap
69 6D 61 67 65 2F 6A 70 65 67 2C 20 69 6D 61 67 image/jpeg, imag
65 2F 70 6A 70 65 67 2C 20 61 70 70 6C 69 63 61 e/pjpeg, applica
74 69 6F 6E 2F 76 6E 64 2E 6D 73 2D 65 78 63 65 tion/vnd.ms-exce
6C 2C 20 61 70 70 6C 69 63 61 74 69 6F 6E 2F 6D l, application/m
73 77 6F 72 64 2C 20 61 70 70 6C 69 63 61 74 69 sword, applicati
6F 6E 2F 76 6E 64 2E 6D 73 2D 70 6F 77 65 72 70 on/vnd.ms-powerp
6F 69 6E 74 2C 20 2A 2F 2A 0D 0A 41 63 63 65 70 oint, */*..Accep
74 2D 4C 61 6E 67 75 61 67 65 3A 20 65 6E 2D 75 t-Language: en-u
73 0D 0A 61 6C 65 3B 20 4D 53 49 45 20 35 2E 30 atible;pt-Encod9
6E 67 3A 57 69 6E 64 6F 77 73 20 39 35 29 0D 0A 1; Windo, deflat
65 0D 0A 55 73 65 72 2D 41 67 65 6E 74 3A 20 4D e..User-Agent: M
6F 7A 69 6C 6C 61 2F 34 2E 30 20 28 63 6F 6D 70 ozilla/4.0 (comp
61 74 69 62 6C 65 3B 20 4D 53 49 45 20 35 2E 30 atible; MSIE 5.0
31 3B 20 57 69 6E 64 6F 77 73 20 39 35 29 0D 0A 1; Windows 95)..
48 6F 73 74 3A 20 6C 61 62 2E 77 69 72 65 74 72 Host: lib.bvxttr
69 70 2E 6E 65 74 0D 0A 43 6F 6E 6E 65 63 74 69 ip.org..Connecti
6F 6E 3A 20 4B 65 65 70 2D 41 6C 69 76 65 0D 0A on: Keep-Alive..
43 6F 6F 6B 69 65 3A 20 41 53 50 53 45 53 53 49 Cookie: ASPSESSI
4F 4E 49 44 47 51 51 51 51 51 5A 55 3D 4B 4E 4F ONIDGQQQQQZU=KNO
48 4D 4F 4A 41 4B 50 46 4F 50 48 4D 4C 41 50 4E HMOJAKPFOPHMLAPN
49 46 49 46 42 0D 0A 0D 0A 41 50 4E 49 46 49 46 IFIFB....APNIFIF
42 0D 0A 0D 0A B....
```

A. Hexcode Attack
B. Cross Site Scripting
C. Multiple Domain Traversal Attack
D. Unicode Directory Traversal Attack

Answer: D

NEW QUESTION 3
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 4
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 5
What two conditions must a digital signature meet?

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

Answer: B

NEW QUESTION 6
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 7
Which of the following program infects the system boot sector and the executable files at the same time?

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

Answer: C

NEW QUESTION 8
John is an incident handler at a financial institution. His steps in a recent incident are not up to the standards of the company. John frequently forgets some steps and procedures while handling responses as they are very stressful to perform. Which of the following actions should John take to overcome this problem with the least administrative effort?

A. Create an incident checklist.
B. Select someone else to check the procedures.
C. Increase his technical skills.
D. Read the incident manual every time it occurs.

Answer: C

NEW QUESTION 9
Which of the following is the least-likely physical characteristic to be used in biometric control that supports a large company?

A. Iris patterns
B. Voice
C. Height and Weight
D. Fingerprints

Answer: C

NEW QUESTION 10
One of your team members has asked you to analyze the following SOA record. What is the version? Rutgers.edu.SOA NS1.Rutgers.edu ipad.college.edu (200302028 3600 3600 604800 2400.) (Choose four.)

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

Answer: A

NEW QUESTION 10
Which is the first step followed by Vulnerability Scanners for scanning a network?

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

Answer: D

NEW QUESTION 15
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 20
An incident investigator asks to receive a copy of the event logs from all firewalls, proxy servers, and Intrusion Detection Systems (IDS) on the network of an organization that has experienced a possible breach of security. When the investigator attempts to correlate the information in all of the logs, the sequence of many of the logged events do not match up.
What is the most likely cause?

A. The network devices are not all synchronized.
B. Proper chain of custody was not observed while collecting the logs.
C. The attacker altered or erased events from the logs.
D. The security breach was a false positive.

Answer: A

NEW QUESTION 24
Scenario1:
* 1. Victim opens the attacker's web site.
* 2. Attacker sets up a web site which contains interesting and attractive content like 'Do you want to make $1000 in a day?'.
* 3. Victim clicks to the interesting and attractive content URL.
* 4. Attacker creates a transparent 'iframe' in front of the URL which victim attempts to click, so victim thinks that he/she clicks to the 'Do you want to make $1000 in a day?' URL but actually he/she clicks to the content or URL that exists in the transparent 'iframe' which is setup by the attacker.
What is the name of the attack which is mentioned in the scenario?

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

Answer: D

NEW QUESTION 27
A network admin contacts you. He is concerned that ARP spoofing or poisoning might occur on his network. What are some things he can do to prevent it? Select the best answers.

A. Use port security on his switches.
B. Use a tool like ARPwatch to monitor for strange ARP activity.
C. Use a firewall between all LAN segments.
D. If you have a small network, use static ARP entries.
E. Use only static IP addresses on all PC's.

Answer: ABD

NEW QUESTION 31
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 hisdial-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:
YOu @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 36
Which of the following is the BEST way to defend against network sniffing?

A. Using encryption protocols to secure network communications
B. Register all machines MAC Address in a Centralized Database
C. Use Static IP Address
D. Restrict Physical Access to Server Rooms hosting Critical Servers

Answer: A

NEW QUESTION 39
env x='(){ :;};echo exploit' bash –c 'cat/etc/passwd'
What is the Shellshock bash vulnerability attempting to do on a vulnerable Linux host?

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

Answer: D

NEW QUESTION 44
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 47
Which of the following tools is used to detect wireless LANs using the 802.11a/b/g/n WLAN standards on a linux platform?

A. Kismet
B. Abel
C. Netstumbler
D. Nessus

Answer: A

NEW QUESTION 48
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 52
MX record priority increases as the number increases. (True/False.)

A. True
B. False

Answer: B

NEW QUESTION 53
What did the following commands determine?

```
C: user2sid \earth guest
S-1-5-21-343818398-789336058-1343024091-501
C:sid2user 5 21 343818398 789336058 1343024091 500
Name is Joe
Domain is EARTH
```

A. That the Joe account has a SID of 500
B. These commands demonstrate that the guest account has NOT been disabled
C. These commands demonstrate that the guest account has been disabled
D. That the true administrator is Joe
E. Issued alone, these commands prove nothing

Answer: D

NEW QUESTION 54
_____ is a tool that can hide processes from the process list, can hide files, registry entries, and intercept keystrokes.

A. Trojan
B. RootKit
C. DoS tool
D. Scanner
E. Backdoor

Answer: B

NEW QUESTION 55
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 56
What tool can crack Windows SMB passwords simply by listening to network traffic?

A. This is not possible
B. Netbus
C. NTFSDOS
D. L0phtcrack

Answer: D

NEW QUESTION 59
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 62
You have successfully logged on a Linux system. You want to now cover your trade Your login attempt may be logged on several files located in /var/log. Which file does NOT belongs to the list:

A. user.log
B. auth.fesg
C. wtmp
D. btmp

Answer: C

NEW QUESTION 67
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 negative
B. True negative
C. True positive
D. False positive

Answer: D

NEW QUESTION 68
Tremp is an IT Security Manager, and he is planning to deploy an IDS in his small company. He is looking for an IDS with the following characteristics: - Verifies success or failure of an attack - Monitors system activities Detects attacks that a network-based IDS fails to detect - Near real-time detection and response - Does not require additional hardware - Lower entry cost Which type of IDS is best suited for Tremp's requirements?

A. Gateway-based IDS

B. Network-based IDS
C. Host-based IDS
D. Open source-based

Answer: C

NEW QUESTION 69
The collection of potentially actionable, overt, and publicly available information is known as

A. Open-source intelligence
B. Real intelligence
C. Social intelligence
D. Human intelligence

Answer: A

NEW QUESTION 74
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 79
Email is transmitted across the Internet using the Simple Mail Transport Protocol. SMTP does not encrypt email, leaving the information in the message vulnerable to being read by an unauthorized person. SMTP can upgrade a connection between two mail servers to use TLS. Email transmitted by SMTP over TLS is encrypted. What is the name of the command used by SMTP to transmit email over TLS?

A. OPPORTUNISTICTLS
B. UPGRADETLS
C. FORCETLS
D. STARTTLS

Answer: D

NEW QUESTION 81
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 and resources that are necessary to maintain a biometric system
B. How long it takes to setup individual user accounts
C. The amount of time it takes to be either accepted or rejected from when an individual provides identification and authentication information
D. The amount of time it takes to convert biometric data into a template on a smart card

Answer: C

NEW QUESTION 86
Identify the UDP port that Network Time Protocol (NTP) uses as its primary means of communication?

A. 113
B. 69
C. 123
D. 161

Answer: C

NEW QUESTION 89
Hackers often raise the trust level of a phishing message by modeling the email to look similar to the internal email used by the target company. This includes using logos, formatting, and names of the target company. The phishing message will often use the name of the company CEO, President, or Managers. The time a hacker spends performing research to locate this information about a company is known as?

A. Exploration
B. Investigation
C. Reconnaissance
D. Enumeration

Answer: C

NEW QUESTION 90
While scanning with Nmap, Patin found several hosts which have the IP ID of incremental sequences. He then decided to conduct: nmap -Pn -p- -si

kiosk.adobe.com www.riaa.com. kiosk.adobe.com is the host with incremental IP ID sequence. What is the purpose of using "-si" with Nmap?

A. Conduct stealth scan
B. Conduct ICMP scan
C. Conduct IDLE scan
D. Conduct silent scan

Answer: A

NEW QUESTION 91
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 the built-in Windows Update tool
B. Use a scan tool like Nessus
C. Check MITRE.org for the latest list of CVE findings
D. Create a disk image of a clean Windows installation

Answer: B

NEW QUESTION 96
If you want to only scan fewer ports than the default scan using Nmap tool, which option would you use?

A. –r
B. –F
C. –P
D. –sP

Answer: B

NEW QUESTION 97
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 98
While performing online banking using a Web browser, a user receives an email that contains a link to an interesting Web site. When the user clicks on the link, another Web browser session starts and displays a video of cats playing a piano. The next business day, the user receives what looks like an email from his bank, indicating that his bank account has been accessed from a foreign country. The email asks the user to call his bank and verify the authorization of a funds transfer that took place. What Web browser-based security vulnerability was exploited to compromise the user?

A. Clickjacking
B. Cross-Site Scripting
C. Cross-Site Request Forgery
D. Web form input validation

Answer: C

NEW QUESTION 101
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 103
What is one of the advantages of using both symmetric and asymmetric cryptography in SSL/TLS?

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

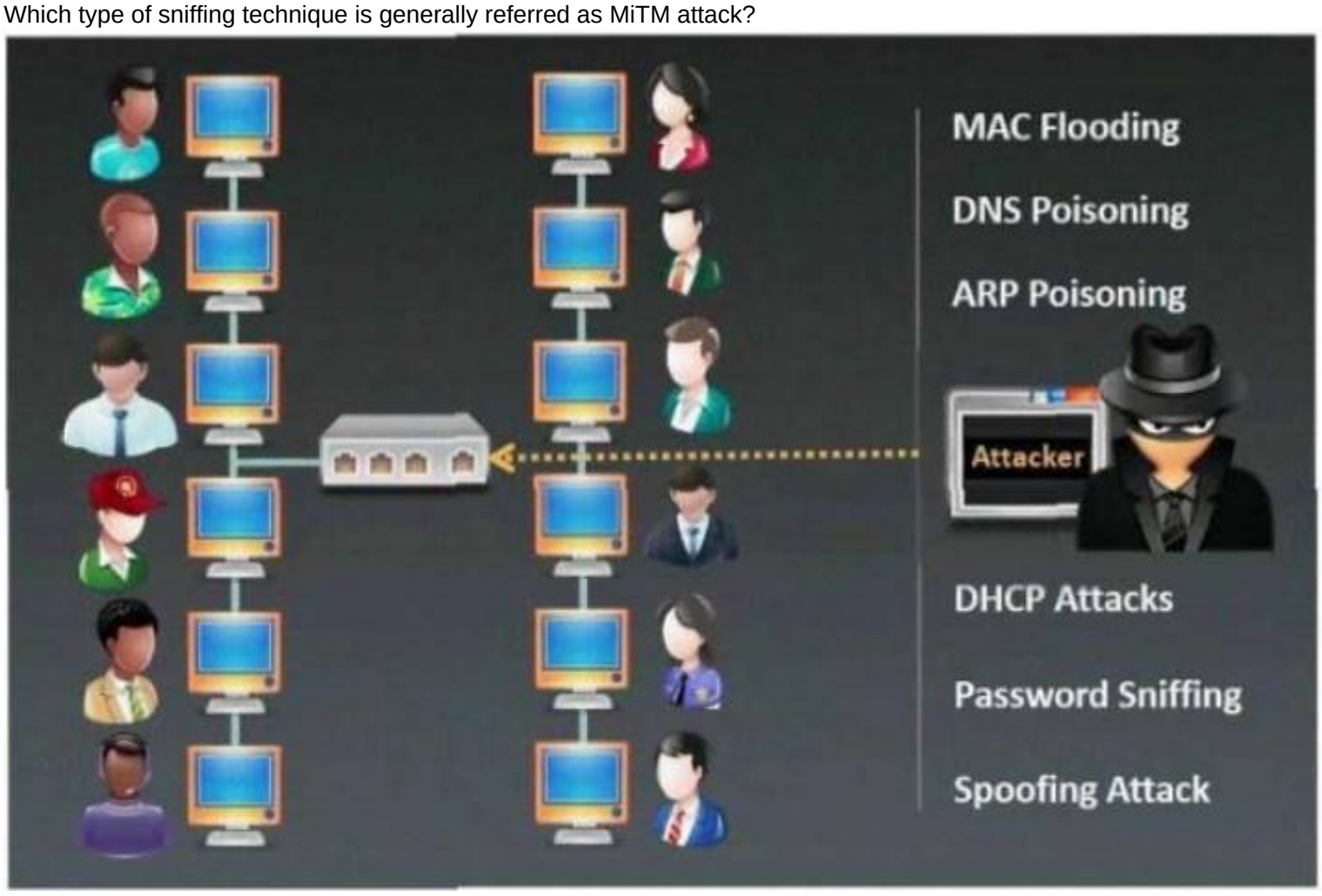
Answer: A

NEW QUESTION 108
Nathan is testing some of his network devices. Nathan is using Macof to try and flood the ARP cache of these switches.
If these switches' ARP cache is successfully flooded, what will be the result?

A. The switches will drop into hub mode if the ARP cache is successfully flooded.
B. If the ARP cache is flooded, the switches will drop into pix mode making it less susceptible to attacks.
C. Depending on the switch manufacturer, the device will either delete every entry in its ARP cache or reroute packets to the nearest switch.
D. The switches will route all traffic to the broadcast address created collisions.

Answer: A

NEW QUESTION 113
Which type of sniffing technique is generally referred as MiTM attack?



A. Password Sniffing
B. ARP Poisoning
C. Mac Flooding
D. DHCP Sniffing

Answer: B

NEW QUESTION 117
Bob, a network administrator at BigUniversity, realized that some students are connecting their notebooks in the wired network to have Internet access. In the university campus, there are many Ethernet ports available for professors and authorized visitors but not for students.
He identified this when the IDS alerted for malware activities in the network. What should Bob do to avoid this problem?

A. Disable unused ports in the switches
B. Separate students in a different VLAN
C. Use the 802.1x protocol
D. Ask students to use the wireless network

Answer: C

NEW QUESTION 119
Within the context of Computer Security, which of the following statements describes Social Engineering best?

A. Social Engineering is the act of publicly disclosing information
B. Social Engineering is the means put in place by human resource to perform time accounting
C. Social Engineering is the act of getting needed information from a person rather than breaking into a system
D. Social Engineering is a training program within sociology studies

Answer: C

NEW QUESTION 122
Which system consists of a publicly available set of databases that contain domain name registration contact information?

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

Answer: A

NEW QUESTION 126
During an Xmas scan what indicates a port is closed?

A. No return response
B. RST
C. ACK
D. SYN

Answer: B

NEW QUESTION 131
Every company needs a formal written document which spells out to employees precisely what they are allowed to use the company's systems for, what is prohibited, and what will happen to them if they break the rules. Two printed copies of the policy should be given to every employee as soon as possible after they join the organization. The employee should be asked to sign one copy, which should be safely filed by the company. No one should be allowed to use the company's computer systems until they have signed the policy in acceptance of its terms.
What is this document called?

A. Information Audit Policy (IAP)
B. Information Security Policy (ISP)
C. Penetration Testing Policy (PTP)
D. Company Compliance Policy (CCP)

Answer: B

NEW QUESTION 133
Let's imagine three companies (A, B and C), all competing in a challenging global environment. Company A and B are working together in developing a product that will generate a major competitive advantage for them. Company A has a secure DNS server while company B has a DNS server vulnerable to spoofing. With a spoofing attack on the DNS server of company B, company C gains access to outgoing e-mails from company B. How do you prevent DNS spoofing?

A. Install DNS logger and track vulnerable packets
B. Disable DNS timeouts
C. Install DNS Anti-spoofing
D. Disable DNS Zone Transfer

Answer: C

NEW QUESTION 138
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 141
An LDAP directory can be used to store information similar to a SQL database. LDAP uses a database structure instead of SQL's structure. Because of this, LDAP has difficulty representing many-to-one relationships.

A. Relational, Hierarchical
B. Strict, Abstract
C. Hierarchical, Relational
D. Simple, Complex

Answer:

C

NEW QUESTION 146
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. Confront the client in a respectful manner and ask her about the data.
B. Copy the data to removable media and keep it in case you need it.
C. Ignore the data and continue the assessment until completed as agreed.
D. Immediately stop work and contact the proper legal authorities.

Answer: D

NEW QUESTION 150
Bob is going to perform an active session hijack against Brownies Inc. He has found a target that allows session oriented connections (Telnet) and performs the sequence prediction on the target operating system. He manages to find an active session due to the high level of traffic on the network. What is Bob supposed to do next?

A. Take over the session
B. Reverse sequence prediction
C. Guess the sequence numbers
D. Take one of the parties offline

Answer: C

NEW QUESTION 154
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 158
Session splicing is an IDS evasion technique in which an attacker delivers data in multiple, small sized packets to the target computer, making it very difficult for an IDS to detect the attack signatures. Which tool can be used to perform session splicing attacks?

A. tcpsplice
B. Burp
C. Hydra
D. Whisker

Answer: D

NEW QUESTION 161
Which of the following is not a Bluetooth attack?

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

Answer: A

NEW QUESTION 162
Peter, a Network Administrator, has come to you looking for advice on a tool that would help him perform SNMP enquires over the network.
Which of these tools would do the SNMP enumeration he is looking for? Select the best answers.

A. SNMPUtil
B. SNScan
C. SNMPScan
D. Solarwinds IP Network Browser
E. NMap

Answer: ABD

NEW QUESTION 163
What is the role of test automation in security testing?

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

Answer: D

NEW QUESTION 165
As a Certified Ethical Hacker, you were contracted by a private firm to conduct an external security assessment through penetration testing.
What document describes the specifics of the testing, the associated violations, and essentially protects both the organization's interest and your liabilities as a tester?

A. Service Level Agreement
B. Project Scope
C. Rules of Engagement
D. Non-Disclosure Agreement

Answer: C

NEW QUESTION 167
A hacker is an intelligent individual with excellent computer skills and the ability to explore a computer's software and hardware without the owner's permission. Their intention can either be to simply gain knowledge or to illegally make changes.
Which of the following class of hacker refers to an individual who works both offensively and defensively at various times?

A. White Hat
B. Suicide Hacker
C. Gray Hat
D. Black Hat

Answer: C

NEW QUESTION 171
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 172
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. A firewall IPTable
B. FTP Server rule
C. A Router IPTable
D. An Intrusion Detection System

Answer: D

NEW QUESTION 174
You are performing a penetration test for a client and have gained shell access to a Windows machine on the internal network. You intend to retrieve all DNS records for the internal domain, if the DNS server is at 192.168.10.2 and the domain name is abccorp.local, what command would you type at the nslookup prompt to attempt a zone transfer?

A. list server=192.168.10.2 type=all
B. is-d abccorp.local
C. Iserver 192.168.10.2-t all
D. List domain=Abccorp.local type=zone

Answer: B

NEW QUESTION 177
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 181
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 185
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 n context of the network protocol

Answer: B

NEW QUESTION 187
Bob is doing a password assessment for one of his clients. Bob suspects that security policies are not in place. He also suspects that weak passwords are probably the norm throughout the company he is evaluating. Bob is familiar with password weaknesses and key loggers.
Which of the following options best represents the means that Bob can adopt to retrieve passwords from his clients hosts and servers?

A. Hardware, Software, and Sniffing.
B. Hardware and Software Keyloggers.
C. Passwords are always best obtained using Hardware key loggers.
D. Software only, they are the most effective.

Answer: A

NEW QUESTION 190
Matthew, a black hat, has managed to open a meterpreter session to one of the kiosk machines in Evil Corp’s lobby. He checks his current SID, which is S-1-5-21-1223352397-1872883824-861252104-501. What needs to happen before Matthew has full administrator access?

A. He must perform privilege escalation.
B. He needs to disable antivirus protection.
C. He needs to gain physical access.
D. He already has admin privileges, as shown by the “501” at the end of the SID.

Answer: A

NEW QUESTION 192
Which type of security feature stops vehicles from crashing through the doors of a building?

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

Answer: A

NEW QUESTION 196
Which command can be used to show the current TCP/IP connections?

A. Netsh
B. Netstat
C. Net use connection
D. Net use

Answer: A

NEW QUESTION 198
To reach a bank web site, the traffic from workstations must pass through a firewall. You have been asked to review the firewall configuration to ensure that workstations in network 10.10.10.0/24 can only reach the bank web site 10.20.20.1 using https. Which of the following firewall rules meets this requirement?

A. If (source matches 10.10.10.0/24 and destination matches 10.20.20.1 and port matches 443) then permit
B. If (source matches 10.10.10.0/24 and destination matches 10.20.20.1 and port matches 80 or 443) then permit
C. If (source matches 10.20.20.1 and destination matches 10.10.10.0/24 and port matches 443) then permit
D. If (source matches 10.10.10.0 and destination matches 10.20.20.1 and port matches 443) then permit

Answer: A

NEW QUESTION 202
Identify the correct terminology that defines the above statement.
"Testing the network using the same methodologies and tools em-
ployed by attackers"

A. Vulnerability Scanning
B. Penetration Testing
C. Security Policy Implementation
D. Designing Network Security

Answer: B

NEW QUESTION 205
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. Public
B. Private
C. Shared
D. Root

Answer: B

NEW QUESTION 207
You have 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 toolkit, you have an Ubuntu 9.10 Linux LiveCD. Which Linux-based tool can change any user's password or activate disabled Windows accounts?

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

Answer: C

NEW QUESTION 208
This TCP flag instructs the sending system to transmit all buffered data immediately.

A. SYN
B. RST
C. PSH
D. URG
E. FIN

Answer: C

NEW QUESTION 210
Although FTP traffic is not encrypted by default, which layer 3 protocol would allow for end-to-end encryption of the connection?

A. SFTP
B. Ipsec
C. SSL
D. FTPS

Answer: B

NEW QUESTION 212
What is the purpose of a demilitarized zone on a network?

A. To scan all traffic coming through the DMZ to the internal network
B. To only provide direct access to the nodes within the DMZ and protect the network behind it
C. To provide a place to put the honeypot
D. To contain the network devices you wish to protect

Answer: B

NEW QUESTION 216
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 218
What is the known plaintext attack used against DES which gives the result that encrypting plaintext with one DES key followed by encrypting it with a second DES key is no more secure than using a single key?

A. Man-in-the-middle attack
B. Meet-in-the-middle attack
C. Replay attack
D. Traffic analysis attack

Answer: B

NEW QUESTION 219
Why would you consider sending an email to an address that you know does not exist within the company you are performing a Penetration Test for?

A. To determine who is the holder of the root account
B. To perform a DoS
C. To create needless SPAM
D. To illicit a response back that will reveal information about email servers and how they treat undeliverable mail
E. To test for virus protection

Answer: D

NEW QUESTION 223
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 the user and password information stored in the company's SQL database.
B. Attempts by attackers to access Web sites that trust the Web browser user by stealing the user's authentication credentials.
C. Attempts by attackers to access password 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: B

NEW QUESTION 224
A large mobile telephony and data network operator has a data center that houses network elements. These are essentially large computers running on Linux. The perimeter of the data center is secured with firewalls and IPS systems.
What is the best security policy concerning this setup?

A. Network elements must be hardened with user ids and strong password
B. Regular security tests and audits should be performed.
C. As long as the physical access to the network elements is restricted, there is no need for additional measures.
D. There is no need for specific security measures on the network elements as long as firewalls and IPS systems exist.
E. The operator knows that attacks and down time are inevitable and should have a backup site.

Answer: A

NEW QUESTION 229
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 230
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 a scam as everybody can get a @yahoo address, not the Yahoo customer service employees.
B. This is a scam because Bob does not know Scott.
C. Bob should write to scottmelby@yahoo.com to verify the identity of Scott.
D. This is probably a legitimate message as it comes from a respectable organization.

Answer: A

NEW QUESTION 234
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 238
Take a look at the following attack on a Web Server using obstructed URL:

```
http://www.certifiedhacker.com/script.ext?
template=%2e%2e%2f%2e%2e%2f%2e%2e%2f%65%74%63%2f%70%61%73%73%77%64
This request is made up of:
%2e%2e%2f%2e%2f%2e%2e%2f = ../ ../ ../
%65%74%63 = etc
%2f = /
%70%61%73%73%77%64 = passwd
```

How would you protect from these attacks?

A. Configure the Web Server to deny requests involving "hex encoded" characters
B. Create rules in IDS to alert on strange Unicode requests
C. Use SSL authentication on Web Servers
D. Enable Active Scripts Detection at the firewall and routers

Answer: B

NEW QUESTION 243
The company ABC recently contracts 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. Which of the following options can be useful to ensure the integrity of the data?

A. The CFO can use a hash algorithm in the document once he approved the financial statements
B. The CFO can use an excel file with a password
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 is the same document
D. The document can be sent to the accountant using an exclusive USB for that document

Answer: A

NEW QUESTION 246
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 251
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 253
You are the Network Admin, and you get a complaint that some of the websites are no longer accessible. You try to ping the servers and find them to be reachable. Then you type the IP address and then you try on the browser, and find it to be accessible. But they are not accessible when you try using the URL. What may be the problem?

A. Traffic is Blocked on UDP Port 53
B. Traffic is Blocked on TCP Port 80
C. Traffic is Blocked on TCP Port 54
D. Traffic is Blocked on UDP Port 80

Answer: A

NEW QUESTION 256
Which of the following is an extremely common IDS evasion technique in the web world?

A. Spyware
B. Subnetting
C. Unicode Characters
D. Port Knocking

Answer: C

NEW QUESTION 257
By using a smart card and pin, you are using a two-factor authentication that satisfies

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

Answer: B

NEW QUESTION 262
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 264
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 266
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

NEW QUESTION 267
When a security analyst prepares for the formal security assessment - what of the following should be done in order to determine inconsistencies in the secure assets database and verify that system is compliant to the minimum security baseline?

A. Data items and vulnerability scanning
B. Interviewing employees and network engineers
C. Reviewing the firewalls configuration
D. Source code review

Answer: A

NEW QUESTION 268
Which of the following tools performs comprehensive tests against web servers, including dangerous files and CGIs?

A. Nikto
B. John the Ripper
C. Dsniff
D. Snort

Answer:

A

NEW QUESTION 269
Which of the following programming languages is most susceptible to buffer overflow attacks, due to its lack of a built-in bounds checking mechanism?
Code:
#include <string.h> int main(){char buffer[8];
strcpy(buffer, ""11111111111111111111111111111111"");} Output: Segmentation fault

A. C#
B. Python
C. Java
D. C++

Answer: D

NEW QUESTION 273
What is a NULL scan?

A. A scan in which all flags are turned off
B. A scan in which certain flags are off
C. A scan in which all flags are on
D. A scan in which the packet size is set to zero
E. A scan with an illegal packet size

Answer: A

NEW QUESTION 278
is a set of extensions to DNS that provide the origin authentication of DNS data to DNS clients (resolvers) so as to reduce the threat of DNS poisoning, spoofing, and similar types of attacks.

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

Answer: A

NEW QUESTION 283
Internet Protocol Security IPsec is actually a suite pf protocols. Each protocol within the suite provides different functionality. Collective IPsec does everything except.

A. Protect the payload and the headers
B. Encrypt
C. Work at the Data Link Layer
D. Authenticate

Answer: D

NEW QUESTION 288
You are attempting to run an Nmap port scan on a web server. Which of the following commands would result in a scan of common ports with the least amount of noise in order to evade IDS?

A. nmap -A - Pn
B. nmap -sP -p-65535 -T5
C. nmap -sT -O -T0
D. nmap -A --host-timeout 99 -T1

Answer: C

NEW QUESTION 289
What is the minimum number of network connections in a multi homed firewall?

A. 3
B. 5
C. 4
D. 2

Answer: A

NEW QUESTION 293
What does a firewall check to prevent particular ports and applications from getting packets into an organization?

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

Answer: A

NEW QUESTION 298
Which address translation scheme would allow a single public IP address to always correspond to a single machine on an internal network, allowing "server publishing"?

A. Overloading Port Address Translation
B. Dynamic Port Address Translation
C. Dynamic Network Address Translation
D. Static Network Address Translation

Answer: D

NEW QUESTION 301
Shellshock allowed an unauthorized user to gain access to a server. It affected many Internet-facing services, which OS did it not directly affect?

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

Answer: D

NEW QUESTION 303
What is not a PCI compliance recommendation?

A. Use a firewall between the public network and the payment card data.
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. Limit access to card holder data to as few individuals as possible.

Answer: C

NEW QUESTION 308
What does the –oX flag do in an Nmap scan?

A. Perform an eXpress scan
B. Output the results in truncated format to the screen
C. Output the results in XML format to a file
D. Perform an Xmas scan

Answer: C

NEW QUESTION 311
A pen tester is configuring a Windows laptop for a test. In setting up Wireshark, what river and library are required to allow the NIC to work in promiscuous mode?

A. Libpcap
B. Awinpcap
C. Winprom
D. Winpcap

Answer: D

NEW QUESTION 314
Which mode of IPSec should you use to assure security and confidentiality of data within the same LAN?

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

Answer: A

NEW QUESTION 316
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 Prometric Online Testing – Reports https://ibt1.prometric.com/users/custom/report_queue/rq_str... corporate network. What tool should the analyst use to perform a Blackjacking attack?

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

Answer: B

NEW QUESTION 320
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 reflects the changes.
Which type of vulnerability is present on this site?

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

Answer: C

NEW QUESTION 321
The "Gray-box testing" methodology enforces what kind of restriction?

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

Answer: B

NEW QUESTION 324
Which method of password cracking takes the most time and effort?

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

Answer: D

NEW QUESTION 325
What is the main security service a cryptographic hash provides?

A. Integrity and ease of computation
B. Message authentication and collision resistance
C. Integrity and collision resistance
D. Integrity and computational in-feasibility

Answer: D

NEW QUESTION 326
Which Intrusion Detection System is the best applicable for large environments where critical assets on the network need extra scrutiny and is ideal for observing sensitive network segments?

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

Answer: C

NEW QUESTION 329
Which regulation defines security and privacy controls for Federal information systems and organizations?

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

Answer: D

NEW QUESTION 331
The establishment of a TCP connection involves a negotiation called three-way handshake. What type of message does the client send to the server in order to begin this negotiation?

A. ACK
B. SYN
C. RST
D. SYN-ACK

Answer: B

NEW QUESTION 335
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 340
Password cracking programs reverse the hashing process to recover passwords. (True/False.)

A. True
B. False

Answer: B

NEW QUESTION 345
During a black-box 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. Circuit
B. Stateful
C. Application
D. Packet Filtering

Answer: B

NEW QUESTION 349
What term describes the amount of risk that remains after the vulnerabilities are classified and the countermeasures have been deployed?

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

Answer: A

NEW QUESTION 350
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