

Exam Questions 312-50v11

Certified Ethical Hacker Exam (CEH v11)

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NEW QUESTION 1

Why containers are less secure than 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.

- 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 192.168.8.0/24"

Answer: D

NEW QUESTION 4

An Intrusion Detection System (IDS) has alerted the network administrator to a possibly malicious sequence of packets sent to a Web server in the network's external DMZ. The packet traffic was captured by the IDS and saved to a PCAP file. What type of network tool can be used to determine if these packets are genuinely malicious or simply a false positive?

- A. Protocol analyzer
- B. Network sniffer
- C. Intrusion Prevention System (IPS)
- D. Vulnerability scanner

Answer: A

NEW QUESTION 5

A network administrator discovers several unknown files in the root directory of his Linux FTP server. One of the files is a tarball, two are shell script files, and the third is a binary file named "nc." The FTP server's access logs show that the anonymous user account logged in to the server, uploaded the files, and extracted the contents of the tarball and ran the script using a function provided by the FTP server's software. The "ps" command shows that the "nc" file is running as process, and the netstat command shows the "nc" process is listening on a network port. What kind of vulnerability must be present to make this remote attack possible?

- A. File system permissions
- B. Privilege escalation
- C. Directory traversal
- D. Brute force login

Answer: A

NEW QUESTION 6

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 7

What is GINA?

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

Answer: D

NEW QUESTION 8

Which of the following Linux commands will resolve a domain name into IP address?

- A. >host-t a hackeddomain.com
- B. >host-t ns hackeddomain.com
- C. >host -t soa hackeddomain.com
- D. >host -t AXFR hackeddomain.com

Answer: A

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

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 10

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 11

DNS cache snooping is a process of determining if the specified resource address is present in the DNS cache records. It may be useful during the examination of the network to determine what software update resources are used, thus discovering what software is installed.

What command is used to determine if the entry is present in DNS cache?

- A. nslookup -fullrecursive update.antivirus.com
- B. dnsnoping -rt update.antivirus.com
- C. nslookup -norecursive update.antivirus.com
- D. dns --snoop update.antivirus.com

Answer: C

NEW QUESTION 15

In the field of cryptanalysis, what is meant by a “rubber-hose” attack?

- A. Forcing the targeted keystream through a hardware-accelerated device such as an ASIC.
- B. A backdoor placed into a cryptographic algorithm by its creator.
- C. Extraction of cryptographic secrets through coercion or torture.
- D. Attempting to decrypt ciphertext by making logical assumptions about the contents of the original plaintext.

Answer: C

NEW QUESTION 19

```
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 23

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 24

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 29

Nedved is an IT Security Manager of a bank in his country. One day, he found out that there is a security breach to his company's email server based on analysis of a suspicious connection from the email server to an unknown IP Address.

What is the first thing that Nedved needs to do before contacting the incident response team?

- A. Leave it as it is and contact the incident response team right away
- B. Block the connection to the suspicious IP Address from the firewall
- C. Disconnect the email server from the network
- D. Migrate the connection to the backup email server

Answer: C

NEW QUESTION 33

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

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

Answer: B

NEW QUESTION 34

In Trojan terminology, what is a covert channel?

- A. A channel that transfers information within a computer system or network in a way that violates the security policy
- B. A legitimate communication path within a computer system or network for transfer of data
- C. It is a kernel operation that hides boot processes and services to mask detection
- D. It is Reverse tunneling technique that uses HTTPS protocol instead of HTTP protocol to establish connections

Answer: A

NEW QUESTION 37

Due to a slowdown of normal network operations, the IT department decided to monitor internet traffic for all of the employees. From a legal standpoint, what would be troublesome to take this kind of measure?

- A. All of the employees would stop normal work activities
- B. IT department would be telling employees who the boss is
- C. Not informing the employees that they are going to be monitored could be an invasion of privacy.
- D. The network could still experience traffic slow down.

Answer: C

NEW QUESTION 42

MX record priority increases as the number increases. (True/False.)

- A. True
- B. False

Answer: B

NEW QUESTION 46

What did the following commands determine?

- 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 51

Which of the following is a component of a risk assessment?

- A. Administrative safeguards
- B. Physical security
- C. DMZ
- D. Logical interface

Answer: A

NEW QUESTION 52

Under what conditions does a secondary name server request a zone transfer from a primary name server?

- A. When a primary SOA is higher than a secondary SOA
- B. When a secondary SOA is higher than a primary SOA
- C. When a primary name server has had its service restarted
- D. When a secondary name server has had its service restarted
- E. When the TTL falls to zero

Answer: A

NEW QUESTION 54

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 55

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 58

Trempe 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 Trempe's requirements?

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

Answer: C

NEW QUESTION 60

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

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

Answer: A

NEW QUESTION 64

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 65

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 70

You are tasked to perform a penetration test. While you are performing information gathering, you find an employee list in Google. You find the receptionist's email, and you send her an email changing the source email to her boss's email (boss@company). In this email, you ask for a pdf with information. She reads your email and sends back a pdf with links. You exchange the pdf links with your malicious links (these links contain malware) and send back the modified pdf, saying that the links don't work. She reads your email, opens the links, and her machine gets infected. You now have access to the company network. What testing method did you use?

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

Answer: A

NEW QUESTION 71

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 75

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 79

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 81

You went to great lengths to install all the necessary technologies to prevent hacking attacks, such as expensive firewalls, antivirus software, anti-spam systems and intrusion detection/prevention tools in your company's network. You have configured the most secure policies and tightened every device on your network. You are confident that hackers will never be able to gain access to your network with complex security system in place. Your peer, Peter Smith who works at the same department disagrees with you. He says even the best network security technologies cannot prevent hackers gaining access to the network because of presence of "weakest link" in the security chain. What is Peter Smith talking about?

- A. Untrained staff or ignorant computer users who inadvertently become the weakest link in your securitychain

- B. "zero-day" exploits are the weakest link in the security chain since the IDS will not be able to detect these attacks
- C. "Polymorphic viruses" are the weakest link in the security chain since the Anti-Virus scanners will not be able to detect these attacks
- D. Continuous Spam e-mails cannot be blocked by your security system since spammers use different techniques to bypass the filters in your gateway

Answer: A

NEW QUESTION 82

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 86

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:

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 89

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

Answer: D

NEW QUESTION 90

A penetration tester is conducting a port scan on a specific host. The tester found several ports opened that were confusing in concluding the Operating System (OS) version installed. Considering that NMAP result below, which of the following is likely to be installed on the target machine by the OS? Starting NMAP 5.21 at 2011-03-15 11:06 NMAP scan report for 172.16.40.65 Host is up (1.00s latency). Not shown: 993 closed ports PORT STATE SERVICE 21/tcp open ftp 23/tcp open telnet 80/tcp open http 139/tcp open netbios-ssn 515/tcp open 631/tcp open ipp 9100/tcp open MAC Address: 00:00:48:0D:EE:8

- A. The host is likely a Linux machine.
- B. The host is likely a printer.
- C. The host is likely a router.
- D. The host is likely a Windows machine.

Answer: B

NEW QUESTION 93

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

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

Answer: D

NEW QUESTION 98

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 99

During an Xmas scan what indicates a port is closed?

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

Answer: B

NEW QUESTION 103

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 104

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 106

Eve is spending her day scanning the library computers. She notices that Alice is using a computer whose port 445 is active and listening. Eve uses the ENUM tool to enumerate Alice machine. From the command prompt, she types the following command.

What is Eve trying to do?

- A. Eve is trying to connect as a user with Administrator privileges
- B. Eve is trying to enumerate all users with Administrative privileges
- C. Eve is trying to carry out a password crack for user Administrator
- D. Eve is trying to escalate privilege of the null user to that of Administrator

Answer: C

NEW QUESTION 107

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 109

OpenSSL on Linux servers includes a command line tool for testing TLS. What is the name of the tool and the correct syntax to connect to a web server?

- A. openssl s_client -site www.website.com:443
- B. openssl_client -site www.website.com:443
- C. openssl s_client -connect www.website.com:443
- D. openssl_client -connect www.website.com:443

Answer: C

NEW QUESTION 113

Which of the following is not a Bluetooth attack?

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

Answer: A

NEW QUESTION 115

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 119

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 121

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

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

Answer: C

NEW QUESTION 125

Which of the following incident handling process phases is responsible for defining rules, collaborating human workforce, creating a back-up plan, and testing the plans for an organization?

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

Answer: A

NEW QUESTION 130

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 131

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 135

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

Answer: D

NEW QUESTION 139

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. lserver 192.168.10.2-t all
- D. List domain=Abccorp.local type=zone

Answer: B

NEW QUESTION 143

Which of the following programs is usually targeted at Microsoft Office products?

- A. Polymorphic virus
- B. Multipart virus
- C. Macro virus
- D. Stealth virus

Answer: C

NEW QUESTION 145

An attacker, using a rogue wireless AP, performed an MITM attack and injected an HTML code to embed a malicious applet in all HTTP connections.

When users accessed any page, the applet ran and exploited many machines. Which one of the following tools the hacker probably used to inject HTML code?

- A. Wireshark
- B. Ettercap
- C. Aircrack-ng
- D. Tcpdump

Answer: B

NEW QUESTION 148

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 150

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 151

Identify the correct terminology that defines the above statement.

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

Answer: B

NEW QUESTION 156

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

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

Answer: B

NEW QUESTION 158

Peter extracts the SIDs list from Windows 2000 Server machine using the hacking tool "SIDExtractor". Here is the output of the SIDs:

From the above list identify the user account with System Administrator privileges.

- A. John
- B. Rebecca
- C. Sheela
- D. Shawn
- E. Somia
- F. Chang
- G. Micah

Answer: F

NEW QUESTION 159

Switches maintain a CAM Table that maps individual MAC addresses on the network to physical ports on the switch.

In MAC flooding attack, a switch is fed with many Ethernet frames, each containing different source MAC addresses, by the attacker. Switches have a limited memory for mapping various MAC addresses to physical ports. What happens when the CAM table becomes full?

- A. Switch then acts as hub by broadcasting packets to all machines on the network
- B. The CAM overflow table will cause the switch to crash causing Denial of Service
- C. The switch replaces outgoing frame switch factory default MAC address of FF:FF:FF:FF:FF:FF
- D. Every packet is dropped and the switch sends out SNMP alerts to the IDS port

Answer: A

NEW QUESTION 161

What is the algorithm used by LM for Windows2000 SAM?

- A. MD4
- B. DES
- C. SHA
- D. SSL

Answer: B

NEW QUESTION 164

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 165

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

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

Answer: A

NEW QUESTION 168

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 173

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 177

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.srcport= = 514 && ip.src= = 192.168.0.99
- B. tcp.srcport= = 514 && ip.src= = 192.168.150
- C. tcp.dstport= = 514 && ip.dst= = 192.168.0.99
- D. tcp.dstport= = 514 && ip.dst= = 192.168.0.150

Answer: D

NEW QUESTION 178

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 183

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 188

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

Answer: B

NEW QUESTION 193

Which utility will tell you in real time which ports are listening or in another state?

- A. Netstat
- B. TCPView
- C. Nmap
- D. Loki

Answer: B

NEW QUESTION 198

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

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

Answer: B

NEW QUESTION 199

Which of the following are well known password-cracking programs?

- A. L0phtcrack
- B. NetCat
- C. Jack the Ripper
- D. Netbus
- E. John the Ripper

Answer: AE

NEW QUESTION 202

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 203

Which of the following tools is used to analyze the files produced by several packet-capture programs such as tcpdump, WinDump, Wireshark, and EtherPeek?

- A. tcptrace
- B. Nessus
- C. OpenVAS
- D. tcptracroute

Answer: A

NEW QUESTION 206

Which results will be returned with the following Google search query? site:target.com – site:Marketing.target.com accounting

- A. Results from matches on the site marketing.target.com that are in the domain target.com but do not include the word accounting.
- B. Results matching all words in the query.
- C. Results for matches on target.com and Marketing.target.com that include the word “accounting”
- D. Results matching “accounting” in domain target.com but not on the site Marketing.target.com

Answer: D

NEW QUESTION 211

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 215

Why should the security analyst disable/remove unnecessary ISAPI filters?

- A. To defend against social engineering attacks
- B. To defend against webserver attacks
- C. To defend against jailbreaking
- D. To defend against wireless attacks

Answer: B

NEW QUESTION 217

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 221

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 226

What is the way to decide how a packet will move from an untrusted outside host to a protected inside that is behind a firewall, which permits the hacker to determine which ports are open and if the packets can pass through the packet-filtering of the firewall?

- A. Session hijacking
- B. Firewalking
- C. Man-in-the middle attack
- D. Network sniffing

Answer: B

NEW QUESTION 231

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 233

Peter is surfing the internet looking for information about DX Company. Which hacking process is Peter doing?

- A. Scanning
- B. Footprinting
- C. Enumeration
- D. System Hacking

Answer: B

NEW QUESTION 234

Susan has attached to her company's network. She has managed to synchronize her boss's sessions with that of the file server. She then intercepted his traffic destined for the server, changed it the way she wanted to and then placed it on the server in his home directory.

What kind of attack is Susan carrying on?

- A. A sniffing attack
- B. A spoofing attack
- C. A man in the middle attack
- D. A denial of service attack

Answer: C

NEW QUESTION 236

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 240

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 241

What is the minimum number of network connections in a multihomed firewall?

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

Answer: A

NEW QUESTION 242

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

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

- A. Look for "zero-day" exploits at various underground hacker websites in Russia and China and buy the necessary exploits from these hackers and target the bank's network
- B. Try to hang around the local pubs or restaurants near the bank, get talking to a poorly-paid or disgruntled employee, and offer them money if they'll abuse their access privileges by providing you with sensitive information

- C. Launch DDOS attacks against Merclyn Barley Bank's routers and firewall systems using 100, 000 or more "zombies" and "bots"
- D. Try to conduct Man-in-the-Middle (MiTM) attack and divert the network traffic going to the Merclyn Barley Bank's Webserver to that of your machine using DNS Cache Poisoning techniques

Answer: B

NEW QUESTION 243

Which of the following is the best countermeasure to encrypting ransomwares?

- A. Use multiple antivirus softwares
- B. Pay a ransom
- C. Keep some generation of off-line backup
- D. Analyze the ransomware to get decryption key of encrypted data

Answer: C

NEW QUESTION 245

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

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

Answer: A

NEW QUESTION 248

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 249

The change 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. \$1320
- B. \$440
- C. \$100
- D. \$146

Answer: D

NEW QUESTION 251

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 254

A company's policy requires employees to perform file transfers using protocols which encrypt traffic. You suspect some employees are still performing file transfers using unencrypted protocols because the employees do not like changes. You have positioned a network sniffer to capture traffic from the laptops used by employees in the data ingest department. Using Wire shark to examine the captured traffic, which command can be used as a display filter to find unencrypted file transfers?

- A. tcp.port != 21
- B. tcp.port = 23
- C. tcp.port ==21
- D. tcp.port ==21 || tcp.port ==22

Answer: D

NEW QUESTION 257

Bob is acknowledged as a hacker of repute and is popular among visitors of "underground" sites.

Bob is willing to share his knowledge with those who are willing to learn, and many have expressed their interest in learning from him. However, this knowledge has a risk associated with it, as it can be used for malevolent attacks as well.

In this context, what would be the most effective method to bridge the knowledge gap between the "black" hats or crackers and the "white" hats or computer security professionals? (Choose the test answer.)

- A. Educate everyone with books, articles and training on risk analysis, vulnerabilities and safeguards.
- B. Hire more computer security monitoring personnel to monitor computer systems and networks.
- C. Make obtaining either a computer security certification or accreditation easier to achieve so more individuals feel that they are a part of something larger than life.
- D. Train more National Guard and reservist in the art of computer security to help out in times of emergency or crises.

Answer: A

NEW QUESTION 259

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 264

You are attempting to crack LM Manager hashed from Windows 2000 SAM file. You will be using LM Brute force hacking tool for decryption. What encryption algorithm will you be decrypting?

- A. MD4
- B. DES
- C. SHA
- D. SSL

Answer: B

NEW QUESTION 267

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

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

Answer: B

NEW QUESTION 271

Which of the following is a command line packet analyzer similar to GUI-based Wireshark?

- A. nessus
- B. tcpdump
- C. ethereal
- D. jack the ripper

Answer: B

NEW QUESTION 276

An attacker is trying to redirect the traffic of a small office. That office is using their own mail server, DNS server and NTP server because of the importance of their job. The attacker gain access to the DNS server and redirect the direction www.google.com to his own IP address. Now when the employees of the office want to go to Google they are being redirected to the attacker machine. What is the name of this kind of attack?

- A. MAC Flooding
- B. Smurf Attack
- C. DNS spoofing
- D. ARP Poisoning

Answer: C

NEW QUESTION 277

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 278

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 280

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 283

Which of the following steps for risk assessment methodology refers to vulnerability identification?

- A. Determines if any flaws exist in systems, policies, or procedures
- B. Assigns values to risk probabilities; Impact values.
- C. Determines risk probability that vulnerability will be exploited (Hig
- D. Medium, Low)
- E. Identifies sources of harm to an IT syste
- F. (Natural, Huma
- G. Environmental)

Answer: C

NEW QUESTION 285

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 289

The tools which receive event logs from servers, network equipment, and applications, and perform analysis and correlation on those logs, and can generate alarms for security relevant issues, are known as what?

- A. network Sniffer
- B. Vulnerability Scanner
- C. Intrusion prevention Server
- D. Security incident and event Monitoring

Answer: D

NEW QUESTION 290

John the Ripper is a technical assessment tool used to test the weakness of which of the following?

- A. Passwords
- B. File permissions
- C. Firewall rulesets
- D. Usernames

Answer: A

NEW QUESTION 292

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 295

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

- A. Behavioral based
- B. Heuristics based
- C. Honeypot based
- D. Cloud based

Answer: D

NEW QUESTION 297

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 302

Why is a penetration test considered to be more thorough than vulnerability scan?

- A. Vulnerability scans only do host discovery and port scanning by default.
- B. A penetration test actively exploits vulnerabilities in the targeted infrastructure, while a vulnerability scan does not typically involve active exploitation.
- C. It is not – a penetration test is often performed by an automated tool, while a vulnerability scan requires active engagement.
- D. The tools used by penetration testers tend to have much more comprehensive vulnerability databases.

Answer: B

NEW QUESTION 305

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 310

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