EC-Council

Exam Questions 412-79v10

EC-Council Certified Security Analyst (ECSA) V10

NEW QUESTION 1
How many possible sequence number combinations are there in TCP/IP protocol?

A. 320 billion
B. 32 million
C. 4 billion
D. 1 billion

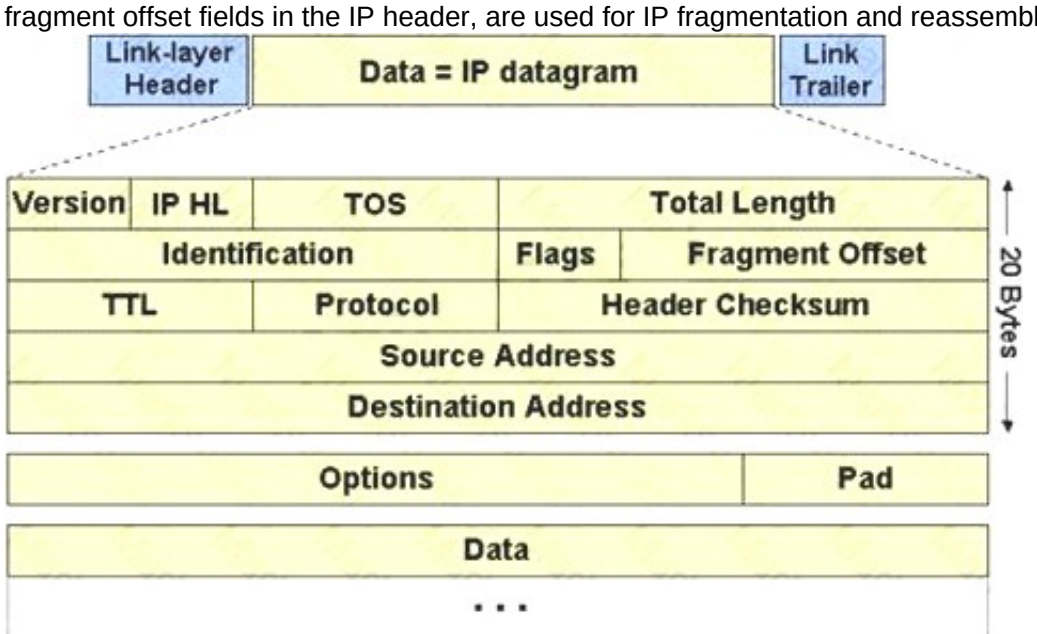
Answer: C

NEW QUESTION 2
Firewall is an IP packet filter that enforces the filtering and security policies to the flowing network traffic. Using firewalls in IPv6 is still the best way of protection from low level attacks at the network and transport layers.
Which one of the following cannot handle routing protocols properly?

A. “Internet-router-firewall-net architecture”
B. “Internet-firewall-router-net architecture”
C. “Internet-firewall/router(edge device)-net architecture”
D. “Internet-firewall -net architecture”

Answer: B

NEW QUESTION 3
The IP protocol was designed for use on a wide variety of transmission links. Although the maximum length of an IP datagram is 64K, most transmission links enforce a smaller maximum packet length limit, called a MTU.
The value of the MTU depends on the type of the transmission link. The design of IP accommodates MTU differences by allowing routers to fragment IP datagrams as necessary. The receiving station is responsible for reassembling the fragments back into the original full size IP datagram.
IP fragmentation involves breaking a datagram into a number of pieces that can be reassembled later. The IP source, destination, identification, total length, and fragment offset fields in the IP header, are used for IP fragmentation and reassembly.



The fragment offset is 13 bits and indicates where a fragment belongs in the original IP datagram. This value is a:

A. Multiple of four bytes
B. Multiple of two bytes
C. Multiple of eight bytes
D. Multiple of six bytes

Answer: C

NEW QUESTION 4
Identify the policy that defines the standards for the organizational network connectivity and security standards for computers that are connected in the organizational network.

A. Information-Protection Policy
B. Special-Access Policy
C. Remote-Access Policy
D. Acceptable-Use Policy

Answer: C

NEW QUESTION 5
Which of the following policies states that the relevant application owner must authorize requests for additional access to specific business applications in writing to the IT Department/resource?

A. Special-Access Policy
B. User Identification and Password Policy
C. Personal Computer Acceptable Use Policy
D. User-Account Policy

Answer: B

NEW QUESTION 6
Which of the following password hashing algorithms is used in the NTLMv2 authentication mechanism?

A. AES
B. DES (ECB mode)
C. MD5
D. RC5

Answer: C

NEW QUESTION 7
Which of the following is the range for assigned ports managed by the Internet Assigned Numbers Authority (IANA)?

A. 3001-3100
B. 5000-5099
C. 6666-6674
D. 0 – 1023

Answer: D

NEW QUESTION 8
Which of the following is NOT related to the Internal Security Assessment penetration testing strategy?

A. Testing to provide a more complete view of site security
B. Testing focused on the servers, infrastructure, and the underlying software, including the target
C. Testing including tiers and DMZs within the environment, the corporate network, or partner company connections
D. Testing performed from a number of network access points representing each logical and physical segment

Answer: B

NEW QUESTION 9
Harold is a web designer who has completed a website for ghttech.net. As part of the maintenance agreement he signed with the client, Harold is performing research online and seeing how much exposure the site has received so far. Harold navigates to google.com and types in the following search.
link:www.ghttech.net
What will this search produce?

A. All sites that link to ghttech.net
B. Sites that contain the code: link:www.ghttech.net
C. All sites that ghttech.net links to
D. All search engines that link to .net domains

Answer: A

NEW QUESTION 10
Which of the following has an offset field that specifies the length of the header and data?

A. IP Header
B. UDP Header
C. ICMP Header
D. TCP Header

Answer: D

NEW QUESTION 10
By default, the TFTP server listens on UDP port 69. Which of the following utility reports the port status of target TCP and UDP ports on a local or a remote computer and is used to troubleshoot TCP/IP connectivity issues?

A. PortQry
B. Netstat
C. Telnet
D. Tracert

Answer: A

NEW QUESTION 13
Which one of the following log analysis tools is used for analyzing the server's log files?

A. Performance Analysis of Logs tool
B. Network Sniffer Interface Test tool
C. Ka Log Analyzer tool
D. Event Log Tracker tool

Answer: C

NEW QUESTION 16
Which of the following acts is a proprietary information security standard for organizations that handle cardholder information for the major debit, credit, prepaid, e-purse, ATM, and POS cards and applies to all entities involved in payment card processing?

A. PIPEDA
B. PCI DSS
C. Human Rights Act 1998
D. Data Protection Act 1998

Answer: B

NEW QUESTION 20
You are a security analyst performing a penetration tests for a company in the Midwest. After some initial reconnaissance, you discover the IP addresses of some Cisco routers used by the company. You type in the following URL that includes the IP address of one of the routers:
http://172.168.4.131/level/99/exec/show/config
After typing in this URL, you are presented with the entire configuration file for that router. What have you discovered?

A. URL Obfuscation Arbitrary Administrative Access Vulnerability
B. Cisco IOS Arbitrary Administrative Access Online Vulnerability
C. HTTP Configuration Arbitrary Administrative Access Vulnerability
D. HTML Configuration Arbitrary Administrative Access Vulnerability

Answer: C

NEW QUESTION 24
Snort, an open source network-based intrusion detection sensor, is the most widely installed NIDS in the world. It can be configured to run in the four modes. Which one of the following modes reads the packets off the network and displays them in a continuous stream on the console (screen)?

A. Packet Sniffer Mode
B. Packet Logger Mode
C. Network Intrusion Detection System Mode
D. Inline Mode

Answer: A

NEW QUESTION 26
One of the steps in information gathering is to run searches on a company using complex keywords in Google.

Which search keywords would you use in the Google search engine to find all the PowerPoint presentations containing information about a target company, ROCHESTON?

A. ROCHESTON fileformat:+ppt
B. ROCHESTON ppt:filestring
C. ROCHESTON filetype:ppt
D. ROCHESTON +ppt:filesearch

Answer: C

NEW QUESTION 30
A Demilitarized Zone (DMZ) is a computer host or small network inserted as a “neutral zone” between a company’s private network and the outside public network. Usage of a protocol within a DMZ environment is highly variable based on the specific needs of an organization.
Privilege escalation, system is compromised when the code runs under root credentials, and DoS attacks are the basic weakness of which one of the following Protocol?

A. Lightweight Directory Access Protocol (LDAP)
B. Simple Network Management Protocol (SNMP)
C. Telnet
D. Secure Shell (SSH)

Answer: D

NEW QUESTION 33
Which one of the following tools of trade is an automated, comprehensive penetration testing product for assessing the specific information security threats to an organization?

A. Sunbelt Network Security Inspector (SNSI)
B. CORE Impact
C. Canvas
D. Microsoft Baseline Security Analyzer (MBSA)

Answer: C

NEW QUESTION 38
You just passed your ECSA exam and are about to start your first consulting job running security audits for a financial institution in Los Angeles. The IT manager of the company you will be working for tries to see if you remember your ECSA class. He asks about the methodology you will be using to test the company's network.
How would you answer?

A. IBM Methodology
B. LPT Methodology
C. Google Methodology
D. Microsoft Methodology

Answer: B

NEW QUESTION 42
Which of the following contents of a pen testing project plan addresses the strengths, weaknesses, opportunities, and threats involved in the project?

A. Project Goal
B. Success Factors
C. Objectives
D. Assumptions

Answer: D

NEW QUESTION 44
What are the scanning techniques that are used to bypass firewall rules and logging mechanisms and disguise themselves as usual network traffic?

A. Connect Scanning Techniques
B. SYN Scanning Techniques
C. Stealth Scanning Techniques
D. Port Scanning Techniques

Answer: C

NEW QUESTION 48
Which of the following is not the SQL injection attack character?

A. $
B. PRINT
C. #
D. @@variable

Answer: A

NEW QUESTION 52
If a web application sends HTTP cookies as its method for transmitting session tokens, it may be vulnerable which of the following attacks?

A. Parameter tampering Attack
B. Sql injection attack
C. Session Hijacking
D. Cross-site request attack

Answer: D

NEW QUESTION 56
Which one of the following scans starts, but does not complete the TCP handshake sequence for each port selected, and it works well for direct scanning and often works well through firewalls?

A. SYN Scan
B. Connect() scan
C. XMAS Scan
D. Null Scan

Answer: A

NEW QUESTION 57
You are the security analyst working for a private company out of France. Your current assignment is to obtain credit card information from a Swiss bank owned by that company. After initial reconnaissance, you discover that the bank security defenses are very strong and would take too long to penetrate. You decide to get the information by monitoring the traffic between the bank and one of its subsidiaries in London.

After monitoring some of the traffic, you see a lot of FTP packets traveling back and forth. You want to sniff the traffic and extract usernames and passwords. What tool could you use to get this information?

A. RaidSniff
B. Snort
C. Ettercap
D. Airsnort

Answer: C

NEW QUESTION 59
In which of the following firewalls are the incoming or outgoing packets blocked from accessing services for which there is no proxy?

A. Circuit level firewalls
B. Packet filters firewalls
C. Stateful multilayer inspection firewalls
D. Application level firewalls

Answer: D

NEW QUESTION 62
George is the network administrator of a large Internet company on the west coast. Per corporate policy, none of the employees in the company are allowed to use FTP or SFTP programs without obtaining approval from the IT department. Few managers are using SFTP program on their computers.
Before talking to his boss, George wants to have some proof of their activity. George wants to use Ethereal t monitor network traffic, but only SFTP traffic to and from his network. What filter should George use in Ethereal?

A. net port 22
B. udp port 22 and host 172.16.28.1/24
C. src port 22 and dst port 22
D. src port 23 and dst port 23

Answer: C

NEW QUESTION 67
John and Hillary works at the same department in the company. John wants to find out Hillary's
network password so he can take a look at her documents on the file server. He enables Lophtcrack program to sniffing mode. John sends Hillary an email with a link to Error! Reference source not found.
What information will he be able to gather from this?

A. The SID of Hillary's network account
B. The network shares that Hillary has permissions
C. The SAM file from Hillary's computer
D. Hillary's network username and password hash

Answer: D

NEW QUESTION 70
In the process of hacking a web application, attackers manipulate the HTTP requests to subvert the application authorization schemes by modifying input fields that relate to the user ID, username, access group, cost, file names, file identifiers, etc.
They first access the web application using a low privileged account and then escalate privileges to access protected resources. What attack has been carried out?

A. XPath Injection Attack
B. Authorization Attack
C. Authentication Attack
D. Frame Injection Attack

Answer: B

NEW QUESTION 73
Which of the following will not handle routing protocols properly?

A. “Internet-router-firewall-net architecture”
B. “Internet-firewall-router-net architecture”
C. “Internet-firewall -net architecture”
D. “Internet-firewall/router(edge device)-net architecture”

Answer: B

NEW QUESTION 75
What is the following command trying to accomplish?

```
C:\> nmap -sU -p445 192.168.0.0/24
```

A. Verify that NETBIOS is running for the 192.168.0.0 network
B. Verify that TCP port 445 is open for the 192.168.0.0 network
C. Verify that UDP port 445 is open for the 192.168.0.0 network

D. Verify that UDP port 445 is closed for the 192.168.0.0 networks

Answer: C

NEW QUESTION 76
Which of the following documents helps in creating a confidential relationship between the pen tester and client to protect critical and confidential information or trade secrets?

A. Penetration Testing Agreement
B. Rules of Behavior Agreement
C. Liability Insurance
D. Non-Disclosure Agreement

Answer: D

NEW QUESTION 77
Which one of the following is a command line tool used for capturing data from the live network and copying those packets to a file?

A. Wireshark: Capinfos
B. Wireshark: Tcpdump
C. Wireshark: Text2pcap
D. Wireshark: Dumpcap

Answer: D

NEW QUESTION 82
Julia is a senior security analyst for Berber Consulting group. She is currently working on a contract for a small accounting firm in Florida. They have given her permission to perform social engineering attacks on the company to see if their in-house training did any good. Julia calls the main number for the accounting firm and talks to the receptionist. Julia says that she is an IT technician from the company's main office in Iowa.
She states that she needs the receptionist's network username and password to troubleshoot a problem they are having. Julia says that Bill Hammond, the CEO of the company, requested this information. After hearing the name of the CEO, the receptionist gave Julia all the information she asked for.
What principal of social engineering did Julia use?

A. Reciprocation
B. Friendship/Liking
C. Social Validation
D. Scarcity

Answer: A

NEW QUESTION 85
Besides the policy implications of chat rooms, Internet Relay Chat (IRC) is frequented by attackers and used as a command and control mechanism. IRC normally uses which one of the following TCP ports?

A. 6566 TCP port
B. 6771 TCP port
C. 6667 TCP port
D. 6257 TCP port

Answer: C

NEW QUESTION 86
Which one of the following 802.11 types has WLAN as a network support?

A. 802.11b
B. 802.11-Legacy
C. 802.11n
D. 802.11g

Answer: C

NEW QUESTION 91
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