

Practice Exam Questions

G A Q M

Global Association for Quality Management



Certified Professional Ethical Hacker (CPEH)



EXAMKILLER

Help Pass Your Exam At First Try

GAQM

Exam CPEH-001

Certified Professional Ethical Hacker (CPEH)

Version: 3.0

[Total Questions: 736]

Topic break down

Topic	No. of Questions
Topic 1: Exam Pool A	103
Topic 2: Exam Pool B	169
Topic 3: Exam Pool C	63
Topic 4: Exam Pool D	83
Topic 5: Exam Pool E	104
Topic 6: Exam Pool F	106
Topic 7: Exam Pool G	108

Topic 1, Exam Pool A

Question No : 1 - (Topic 1)

During the process of encryption and decryption, what keys are shared?

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

Answer: C

Question No : 2 - (Topic 1)

The network team has well-established procedures to follow for creating new rules on the firewall. This includes having approval from a manager prior to implementing any new rules. While reviewing the firewall configuration, you notice a recently implemented rule but cannot locate manager approval for it. What would be a good step to have in the procedures for a situation like this?

- A. Have the network team document the reason why the rule was implemented without prior manager approval.
- B. Monitor all traffic using the firewall rule until a manager can approve it.
- C. Do not roll back the firewall rule as the business may be relying upon it, but try to get manager approval as soon as possible.
- D. Immediately roll back the firewall rule until a manager can approve it

Answer: D

Question No : 3 - (Topic 1)

Which of the following scanning method splits the TCP header into several packets and makes it difficult for packet filters to detect the purpose of the packet?

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

Answer: B

Question No : 4 - (Topic 1)

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 (High. Medium, Low)
- D. Identifies sources of harm to an IT system. (Natural, Human. Environmental)

Answer: C

Question No : 5 - (Topic 1)

Vlady works in a fishing company where the majority of the employees have very little understanding of IT let alone IT Security. Several information security issues that Vlady often found includes, employees sharing password, writing his/her password on a post it note and stick it to his/her desk, leaving the computer unlocked, didn't log out from emails or other social media accounts, and etc.

After discussing with his boss, Vlady decided to make some changes to improve the security environment in his company. The first thing that Vlady wanted to do is to make the employees understand the importance of keeping confidential information, such as password, a secret and they should not share it with other persons.

Which of the following steps should be the first thing that Vlady should do to make the employees in his company understand to importance of keeping confidential information a secret?

- A. Warning to those who write password on a post it note and put it on his/her desk
- B. Developing a strict information security policy
- C. Information security awareness training

D. Conducting a one to one discussion with the other employees about the importance of information security

Answer: A

Question No : 6 - (Topic 1)

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 UDP Port 80
- C.** Traffic is Blocked on UDP Port 54
- D.** Traffic is Blocked on UDP Port 80

Answer: A

Question No : 7 - (Topic 1)

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

In concept, the solution developed by Bob is actually:

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

Answer: A

Question No : 8 - (Topic 1)

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

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

Answer: C

Question No : 9 - (Topic 1)

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

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

Answer: A

Question No : 10 - (Topic 1)

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

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

Answer: D

Question No : 11 - (Topic 1)

You are working as a Security Analyst in a company XYZ that owns the whole subnet range of 23.0.0.0/8 and 192.168.0.0/8.

While monitoring the data, you find a high number of outbound connections. You see that IP's owned by XYZ (Internal) and private IP's are communicating to a Single Public IP. Therefore, the Internal IP's are sending data to the Public IP.

After further analysis, you find out that this Public IP is a blacklisted IP, and the internal communicating devices are compromised.

What kind of attack does the above scenario depict?

- A. Botnet Attack
- B. Spear Phishing Attack
- C. Advanced Persistent Threats
- D. Rootkit Attack

Answer: A

Question No : 12 - (Topic 1)

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

Question No : 13 - (Topic 1)

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

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

Answer: B

Question No : 14 - (Topic 1)

Which of the following act requires employer's standard national numbers to identify them on standard transactions?

- A. SOX
- B. HIPAA
- C. DMCA
- D. PCI-DSS

Answer: B

Question No : 15 - (Topic 1)

Which of the following options represents a conceptual characteristic of an anomaly-based IDS over a signature-based IDS?

- A. Produces less false positives
- B. Can identify unknown attacks
- C. Requires vendor updates for a new threat
- D. Cannot deal with encrypted network traffic

Answer: B

Question No : 16 - (Topic 1)

You are monitoring the network of your organizations. You notice that:

1. There are huge outbound connections from your Internal Network to External IPs.
2. On further investigation, you see that the External IPs are blacklisted.
3. Some connections are accepted, and some are dropped.
4. You find that it is a CnC communication.

Which of the following solution will you suggest?

- A. Block the Blacklist IP's @ Firewall
- B. Update the Latest Signatures on your IDS/IPS
- C. Clean the Malware which are trying to Communicate with the External Blacklist IP's
- D. Both B and C

Answer: D

Question No : 17 - (Topic 1)

You are a Penetration Tester and are assigned to scan a server. You need to use a scanning technique wherein the TCP Header is split into many packets so that it becomes difficult to detect what the packets are meant for.

Which of the below scanning technique will you use?

- A. ACK flag scanning
- B. TCP Scanning
- C. IP Fragment Scanning
- D. Inverse TCP flag scanning

Answer: C

Question No : 18 - (Topic 1)

A pen tester is configuring a Windows laptop for a test. In setting up Wireshark, what driver and library

are required to allow the NIC to work in promiscuous mode?

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

Answer: D

Question No : 19 - (Topic 1)

Based on the below log, which of the following sentences are true?

Mar 1, 2016, 7:33:28 AM 10.240.250.23 – 54373 10.249.253.15 – 22 tcp_ip

- A. SSH communications are encrypted it's impossible to know who is the client or the server
- B. Application is FTP and 10.240.250.23 is the client and 10.249.253.15 is the server
- C. Application is SSH and 10.240.250.23 is the client and 10.249.253.15 is the server
- D. Application is SSH and 10.240.250.23 is the server and 10.249.253.15 is the server

Answer: C

Question No : 20 - (Topic 1)

When conducting a penetration test, it is crucial to use all means to get all available information about the target network. One of the ways to do that is by sniffing the network. Which of the following cannot be performed by the passive network sniffing?

- A. Identifying operating systems, services, protocols and devices
- B. Modifying and replaying captured network traffic
- C. Collecting unencrypted information about usernames and passwords
- D. Capturing a network traffic for further analysis

Answer: B

Question No : 21 - (Topic 1)

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

Question No : 22 - (Topic 1)

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

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

Answer: D

Question No : 23 - (Topic 1)

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

- A. -sP
- B. -P
- C. -r
- D. -F

Answer: B

Question No : 24 - (Topic 1)

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

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

Answer: A

Question No : 25 - (Topic 1)

Which of the following attacks exploits web age vulnerabilities that allow an attacker to force an unsuspecting user's browser to send malicious requests they did not intend?

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

Answer: C

Question No : 26 - (Topic 1)

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

- A. Attempting to decrypt cipher text by making logical assumptions about the contents of the original plain text.
- B. Extraction of cryptographic secrets through coercion or torture.
- C. Forcing the targeted key stream through a hardware-accelerated device such as an ASIC.

D. A backdoor placed into a cryptographic algorithm by its creator.

Answer: B

Question No : 27 - (Topic 1)

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

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

Answer: B

Question No : 28 - (Topic 1)

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

Question No : 29 - (Topic 1)

DHCP snooping is a great solution to prevent rogue DHCP servers on your network. Which security feature on switches leverages the DHCP snooping database to help prevent man-in-the-middle attacks?

- A. Port security
- B. A Layer 2 Attack Prevention Protocol (LAPP)
- C. Dynamic ARP inspection (DAI)
- D. Spanning tree

Answer: C

Question No : 30 - (Topic 1)

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

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

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

Answer: B

Question No : 31 - (Topic 1)

What type of vulnerability/attack is it when the malicious person forces the user's browser to send an authenticated request to a server?

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

Answer: A

Question No : 32 - (Topic 1)