



# 312-50V10<sup>Q&As</sup>

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### QUESTION 1

You are the Systems Administrator for a large corporate organization. You need to monitor all network traffic on your local network for suspicious activities and receive notifications when an attack is occurring. Which tool would allow you to accomplish this goal?

- A. Network-based IDS
- B. Firewall
- C. Proxy
- D. Host-based IDS

Correct Answer: A

A network-based intrusion detection system (NIDS) is used to monitor and analyze network traffic to protect a system from network-based threats. A NIDS reads all inbound packets and searches for any suspicious patterns. When threats are discovered, based on its severity, the system can take action such as notifying administrators, or barring the source IP address from accessing the network.

References: <https://www.techopedia.com/definition/12941/network-based-intrusion-detection-system-nids>

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### QUESTION 2

What attack is used to crack passwords by using a precomputed table of hashed passwords?

- A. Brute Force Attack
- B. Hybrid Attack
- C. Rainbow Table Attack
- D. Dictionary Attack

Correct Answer: C

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### QUESTION 3

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

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

Correct Answer: A

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Brute-force cracking, in which a computer tries every possible key or password until it succeeds, is typically very time consuming. More common methods of password cracking, such as dictionary attacks, pattern checking, word list substitution, etc. attempt to reduce the number of trials required and will usually be attempted before brute force.

References: [https://en.wikipedia.org/wiki/Password\\_cracking](https://en.wikipedia.org/wiki/Password_cracking)

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#### QUESTION 4

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. OPPORTUNISTIC TLS STARTTLS
- B. FORCE TLS
- C. UPGRADE TLS

Correct Answer: B

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#### QUESTION 5

What is the best Nmap command to use when you want to list all devices in the same network quickly after you successfully identified a server whose IP address is 10.10.0.5?

- A. `nmap -T4 -F 10.10.0.0/24`
- B. `nmap -T4 -q 10.10.0.0/24`
- C. `nmap -T4 -O 10.10.0.0/24`
- D. `nmap -T4 -r 10.10.1.0/24`

Correct Answer: A

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