

S1.5.3 Quiz Network Monitoring

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Seat 99 (Grade level 13)

Cyber Capstone

0. What are some common problems associated with user login issues?

- A. Issues related to file attributes such as ownership and timestamps.
- B. Difficulties users face when trying to access files in the wrong context.
- C. Problems with forgotten passwords, weak password policies, or password expiration.
- D. Problems like username/password issues, authentication methods, or account lockouts due to multiple failed login attempts.

Answer:

1. Which tool is a command-line packet analyzer used for capturing and displaying network traffic in real-time?

- A. Wireshark
- B. netstat
- C. traceroute
- D. tcpdump

Answer:

2. What is the graphical user interface (GUI) network protocol analyzer?

- A. tshark
- B. traceroute
- C. Wireshark
- D. mtr

Answer:

3. Which utility displays network-related information, including active network connections, routing tables, and interface statistics, through the command line?

- A. netstat
- B. ping
- C. tcpdump
- D. mtr

Answer:

4. What does the traceroute command do?

- A. Tests the reachability of a host
- B. Captures and analyzes network traffic
- C. Displays network-related information
- D. Traces the route taken by packets to a destination host

Answer:

5. Which command-line tool is used to test the reachability of a host on a network and measure round-trip time for packets?

- A. tcpdump
- B. netstat
- C. ping
- D. traceroute

Answer:

6. What is the purpose of the mtr (My TraceRoute) utility?

- A. Captures and analyzes network traffic
- B. Tests the reachability of a host
- C. Displays network-related information
- D. Provides ongoing network performance metrics

Answer:

7. How does mtr differ from traceroute?

- A. mtr is a graphical tool, while traceroute is command-line
- B. mtr continuously sends ICMP packets, providing ongoing performance metrics
- C. mtr only traces the route, while traceroute combines tracing and ping monitoring
- D. mtr does not work on many cyber ranges

Answer: