Congratulations! You passed!

Grade received 90%

Latest Submission Grade 90%

To pass 80% or higher

Go to next item

Weekly challenge 2

Quiz • 50 min

Review Learning Objectives

1. What type of attack involves the unauthorized transmission of data from a system? **1 / 1 point**

- Packet crafting
- Data leak
- Packet classification
- Data exfiltration

Submit your assignment — Try again

Due Jun 18, 11:59 PM +08 Attempts 3 every 24 hours

Receive grade — Your grade 90% — View Feedback

Correct To Pass 80% or higher — We keep your highest score

Like Dislike Report an issue

2. Which of the following behaviors may suggest an ongoing data exfiltration attack? Select two answers. **1 / 1 point**

- [ ] Network performance issues
- [x] Outbound network traffic to an unauthorized file hosting service

Correct

- [x] Unexpected modifications to files containing sensitive data

Correct

- [ ] Multiple successful multi-factor authentication logins

3. What information do packet headers contain? Select three answers. **1 / 1 point**

- [x] IP addresses

Correct

- [x] Ports

Correct

- [x] Protocols

Correct

- [ ] Payload data

4. Fill in the blank: Network protocol analyzers can save network communications into files known as a _____. **1 / 1 point**

- payload
- packet capture
- network packet
- protocol

Correct

5. Fill in the blank: tcpdump is a network protocol analyzer that uses a(n) _____ interface. **1 / 1 point**

- Linux
- graphical user
- command-line
- internet

Correct

6. Which layer of the TCP/IP model does the Internet Protocol (IP) operate on? **1 / 1 point**

- Network Access
- Internet
- Application
- Transport

Correct

7. What is used to determine whether errors have occurred in the IPv4 header? **0 / 1 point**

- Flags
- Header
- Protocol
- Checksum

Incorrect
Please review the video on IP headers.

8. What is the process of breaking down packets known as? **1 / 1 point**

- Fragment Offset
- Flags
- Checksum
- Fragmentation

Correct

9. Which tcpdump option is used to specify the capture of 5 packets? **1 / 1 point**

- `-i 5`
- `-v 5`
- `-n 5`
- `-c 5`

Correct

10. Examine the following tcpdump output: **1 / 1 point**

```
22:00:19.538395 IP (tos 0x10, ttl 64, id 33842, offset 0, flags [P], proto TCP
(6), length 196) 198.168.105.1.41012 > 198.111.123.1.61012: Flags [P.], cksum
0x50af (correct), seq 169, ack 187, win 501, length 42
```

Which protocols are being used? Select two answers.

- [ ] `UDP`
- [x] `IP`

Correct

- [x] `TCP`

Correct

- [ ] `TOS`