

CYBERSECURITY DAILY DIARY

DAY-07

DATE- 29 June, 2025

Topics Covered:

- Review and quiz: consolidate knowledge
- Identify weak spots and document learning gaps.

What did I learn:

Today I consolidated my learning across key networking and cybersecurity lab setup topics. Reflecting on each area helped me identify strengths and spot gaps I need to work on:

Strengths

- Confident in setting up virtual labs using VirtualBox and Kali Linux.
- Comfortable with OSI model layers and mapping protocols like HTTP, TCP, IP, and Ethernet.
- Solid grasp of TCP flags and handshake mechanics.
- Able to convert subnet masks to CIDR and calculate host counts.

Learning Gaps

- Need more practice with binary-to-decimal IP conversions under pressure.
- Want to improve speed and accuracy in subnetting exercises, especially calculating broadcast addresses.
- Still fuzzy on how UDP behaves in packet captures compared to TCP.
- Need to simulate real-world traffic flows using multiple VMs and analyze them with Wireshark.