

CYBERSECURITY DAILY DIARY

DAY-01

DATE- 23 June, 2025

Topics Covered:

- Course overview, lab design
- VM host selection, VirtualBox/VMware install
- Download Kali ISO, create folders, plan snapshots.

What did I learn:

Today was all about laying the groundwork for my cybersecurity lab—a space where theory meets practice. I learned how to design a virtual environment that mirrors real-world network setups, which will be crucial for my upcoming network analysis project.

- I now understand how a **well-structured course overview** helps me stay focused on both technical depth and practical outcomes.
- Through **lab design**, I realized the importance of isolating systems and simulating attacks safely—this will be key when I start analyzing traffic and testing tools like Wireshark and NetFlow.
- Choosing the right **VM host** taught me to think critically about hardware limitations. It's not just about running VMs—it's about ensuring they perform well under load, especially when I start capturing packets or simulating threats.
- Installing **VirtualBox** felt like unlocking a new dimension. It's the control center for my lab, and getting it configured properly was a satisfying milestone.
- Downloading the **Kali Linux ISO** reminded me how essential it is to verify file integrity—something I'll need to practice often when dealing with sensitive tools and exploits.
- Creating **organized folders** might seem simple, but it's a game-changer for managing snapshots, logs, and reports. It's like building a digital lab bench.
- Planning **snapshots** gave me a safety net. Now I can experiment freely, knowing I can roll back if something breaks—which is bound to happen when I dive into malware analysis or traffic manipulation.

This setup isn't just technical—it's personal. It's the first step toward building a lab where I can test, learn, and grow. It's also a space where I can bring my CSI community into hands-on learning, maybe even host mini workshops or demos. Every folder, every VM, every snapshot is a brick in the foundation of the analyst I'm becoming.