

CYBERSECURITY DAILY DIARY

DAY-16

DATE- 8 July, 2025

Topics Covered:

- System update & baseline snapshot
- Apt update/full-upgrade and create golden snapshot.

What did I learn:

Today I took a critical step in securing and stabilizing my Kali Linux VM: I performed a full system update and created a **golden snapshot**. This moment felt like sealing a pristine lab environment in amber—ready to be restored anytime I need a clean slate.

♦ System Update

I ran the following commands to bring Kali up to date:

```
bash
```

```
sudo apt update
```

```
sudo apt full-upgrade -y
```

- **apt update** refreshed the package lists.
- **full-upgrade** installed the latest tools, kernel patches, and security fixes.
- I rebooted the VM to apply changes and verified that tools like Wireshark, Nmap, and Metasploit were functioning properly.

This ensures my lab is running the latest versions—critical for compatibility, stability, and security.

♦ Golden Snapshot

After confirming everything worked, I created a **baseline snapshot**:

- Named it: **Kali_Golden_Baseline**
- Description: “Fully updated system with default tools and clean config”
- This snapshot will be my **restore point** before any risky experiments—like spoofing, scanning, or exploit testing.

I plan to clone this VM for specialized tasks (e.g., attacker VM, victim VM) and take new snapshots before major changes. It's like version control for my cybersecurity playground.

This wasn't just maintenance—it was strategy. I now have a clean, updated Kali VM I can trust. Every experiment from here on has a safety net, and every mistake is reversible.