Cybersecurity Daily Dairy

Day 2: Kali Linux Setup & Linux Fundamentals

Date: June 19, 2025

Topics Covered:
- Installation of Kali Linux
- Different installation methods: Dual Boot, VMware, VirtualBox
- Installing Kali via VirtualBox
- Linux Fundamentals (TryHackMe module)
- Hands-on Linux terminal commands

What I Learned:

On Day 2, I explored how to install **Kali Linux**, a Debian-based Linux distribution widely used by cybersecurity professionals for penetration testing and ethical hacking.
I learned that Kali Linux can be installed using three common methods:
1. **Dual Boot** – Installing Kali alongside Windows on physical hardware
2. **VMware** – Using VMware Workstation or Player to create a virtual Kali Linux machine
3. **VirtualBox** – Using Oracle VirtualBox to run Kali in a virtual environment

I used **VirtualBox** for my installation due to its open-source nature and ease of use. After successful installation, I began the **Linux Fundamentals** module on **TryHackMe**, which provided interactive exercises and real-world scenarios for learning terminal commands.

Linux Commands Practiced:

Command	Purpose
mkdir	Create a new directory
cd	Change directory
ls, ls -a, ls -l	List files (basic, hidden, detailed)
pwd	Print current working directory
whoami	Show current user
cd ..	Move one directory up
rm	Remove files or directories
cp	Copy files or directories
mv	Move or rename files
touch	Create empty files
cat, cat >, cat >>	Read or write file content
echo	Print text or write to files
grep	Search text within files
sudo su	Switch to root user
sudo apt install	Install software packages
man	View manual/help pages for Linux commands
chmod	Change file permissions

Tools & Platforms Used:

- **VirtualBox** – Used for installing and running Kali Linux

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- **TryHackMe** – Used to learn and practice Linux commands in a guided environment
- **Kali Linux Terminal** – Used for practical hands-on experience with command-line operations

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