Day 62

Topic: Dark Web & Anonymity

Objective: To understand the Onion Routing protocol and the Dark Web ecosystem.

Theoretical Concepts:
We explained the Surface Web, Deep Web, and Dark Web. We studied how TOR (The Onion Router) works by bouncing traffic through three nodes (Guard, Middle, Exit) to anonymize the user.

Practical Work:
We installed the **Tor Browser** and accessed .onion sites (hidden services). We used **Proxychains** in Kali Linux to route our terminal traffic through Tor, allowing us to run Nmap scans anonymously (though slow). We discussed the illicit markets and the role of cryptocurrency.

Tools Used: Tor Browser, Proxychains.

Outcome: Understanding online anonymity tools and the structure of the dark web.