Cyber Clinic

Recent News

Claude AI Pro free for students

- Claude Sonnet 4.5 released this week is currently the best model for programming

- $50 in API credits for Claude Code

- Must(?) sign up to Claude Builder Club for access

Google Gemini Pro free for students

- Turn lecture recordings to a 'podcast-style Audio Overview'

- 2TB Google Cloud Storage

- Offer ends November 3 2025

Welcome to
Cyber Clinic
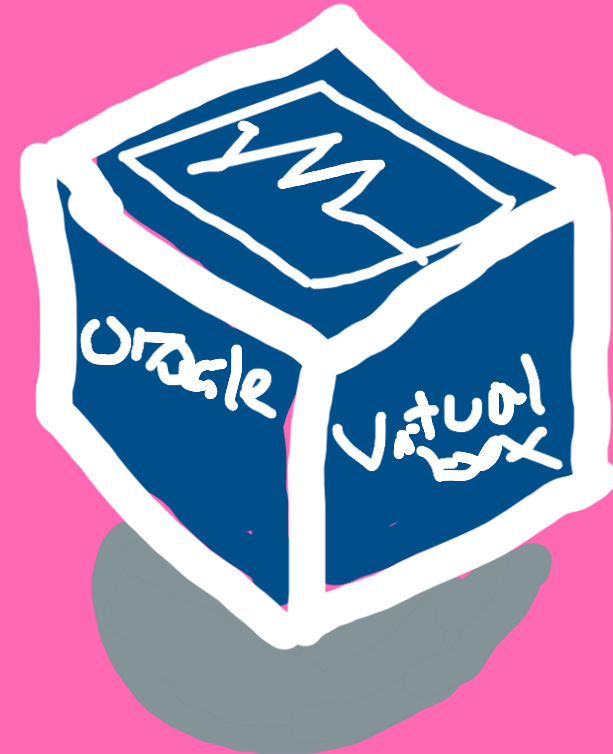
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today we are covering

setting up a virtual machine

linux commands

metasploitable

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nmap ("Network Mapper")

- Open source tool for network exploration and security auditing.
- Designed to rapidly scan large networks, although it works fine against single hosts.

- Uses raw IP packets in novel ways to determine:
    - what hosts are available on the network
    - what services (application name and version) those hosts are offering
    - what operating systems (and OS versions) they are running
    - what type of packet filters/firewalls are in use
    - dozens of other characteristics.

While Nmap is commonly used for security audits, many systems and network administrators find it useful for routine tasks such as network inventory, managing service upgrade schedules, and monitoring host or service uptime.