Lab 1

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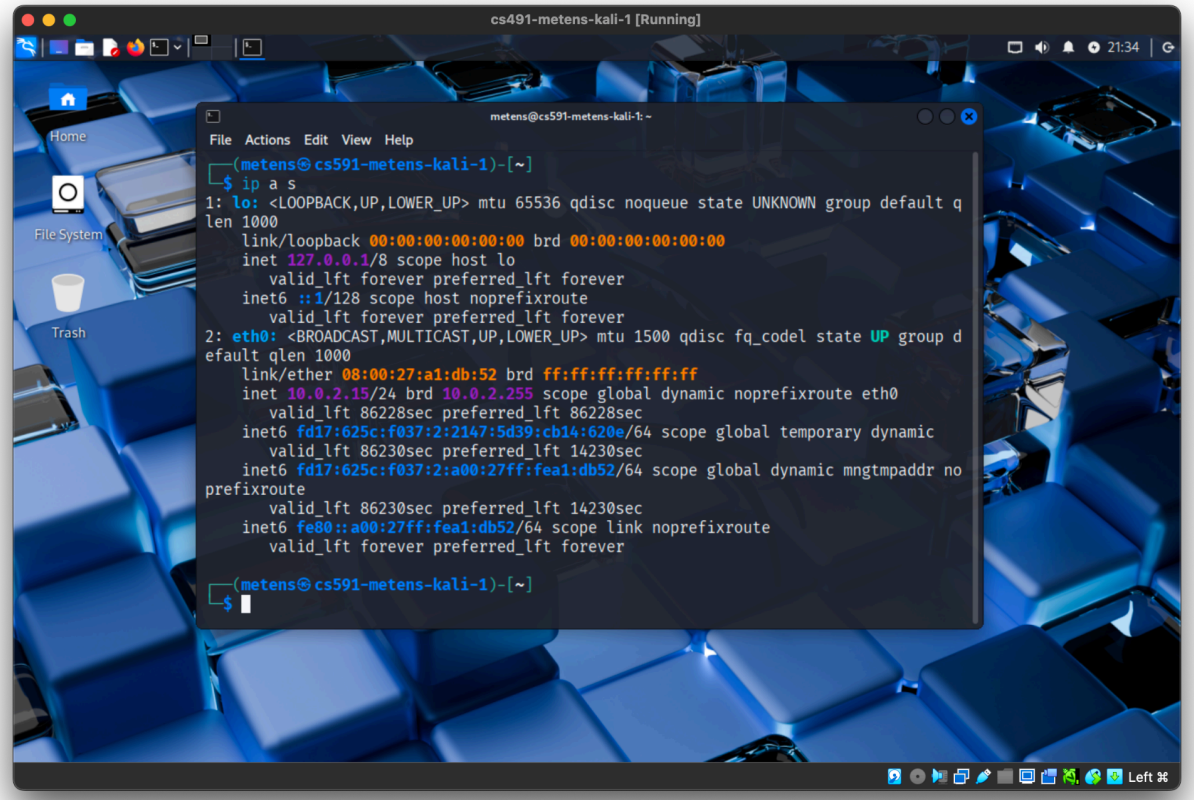
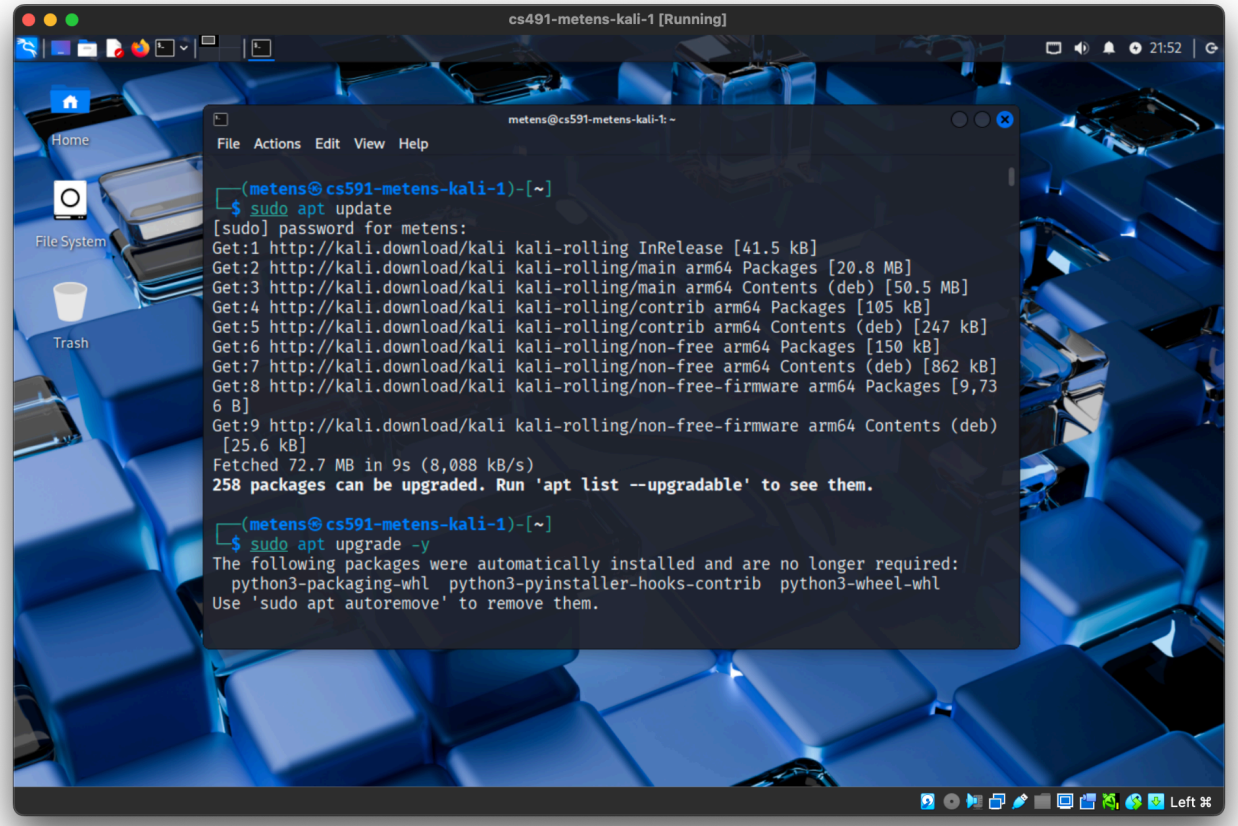
Task 1: Building a Virtual VM running Kali Linux

Step 32) Using `ip a s`



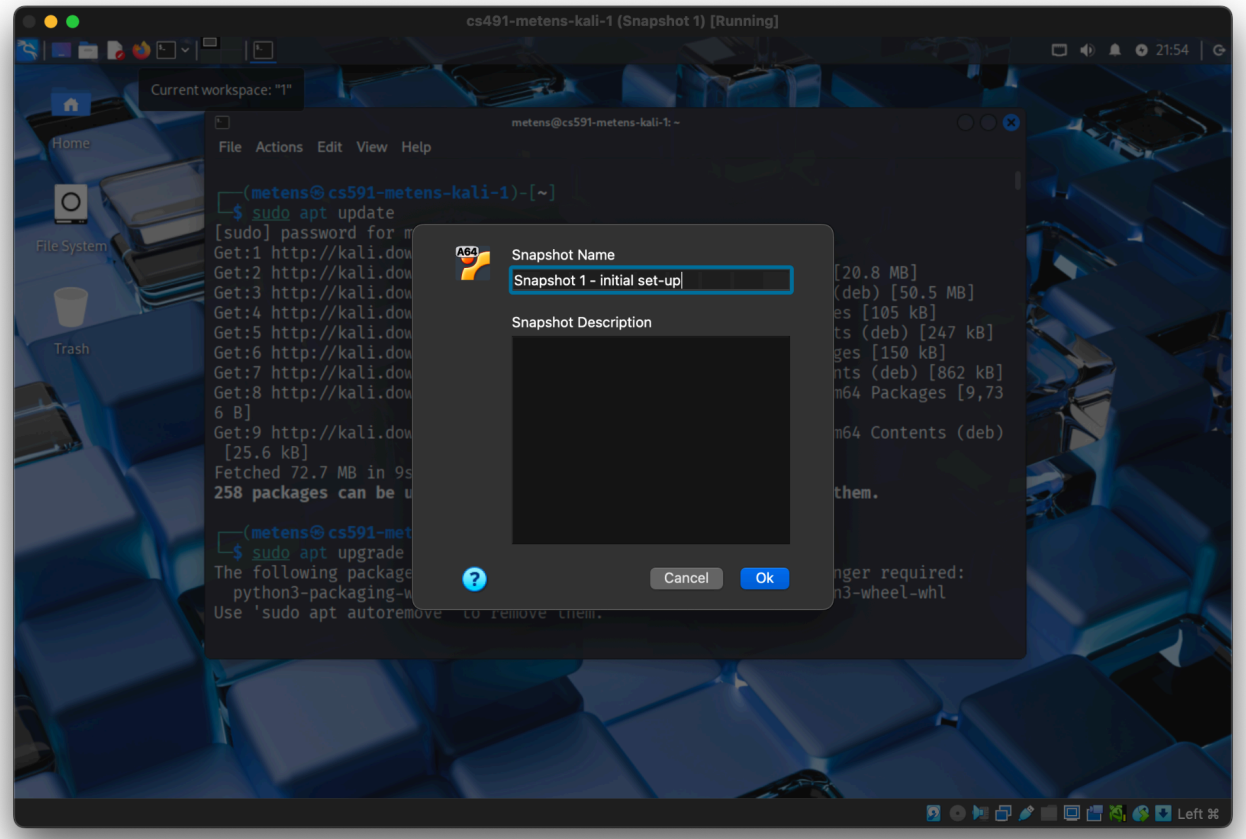
After running `ip a s`, I was curious about its meaning, so I looked it up and found that it means “ip address show”. I see `lo` and `eth0`. `lo` seems to be the loopback localhost (127.0.0.1), which is useful for testing local websites before deployment. And `eth0` seems to be the Ethernet broadcast, whatever that means. Good to know the basics.

Step 33) Updating and Upgrading



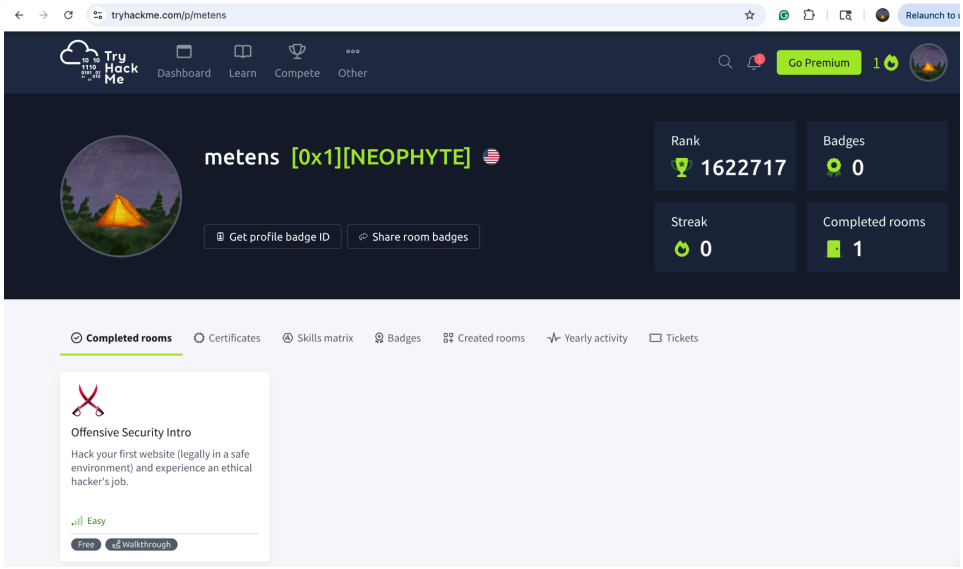
Here I used `sudo`, which means “superuser do”. Running a command as root so that the entire VM updates can be useful. `apt` translates to Advanced Package Tool, which is useful for installing, updating, upgrading, and removing software packages. So, I updated and upgraded all the packages to their newest versions, sweet.

Step 35) snapshot



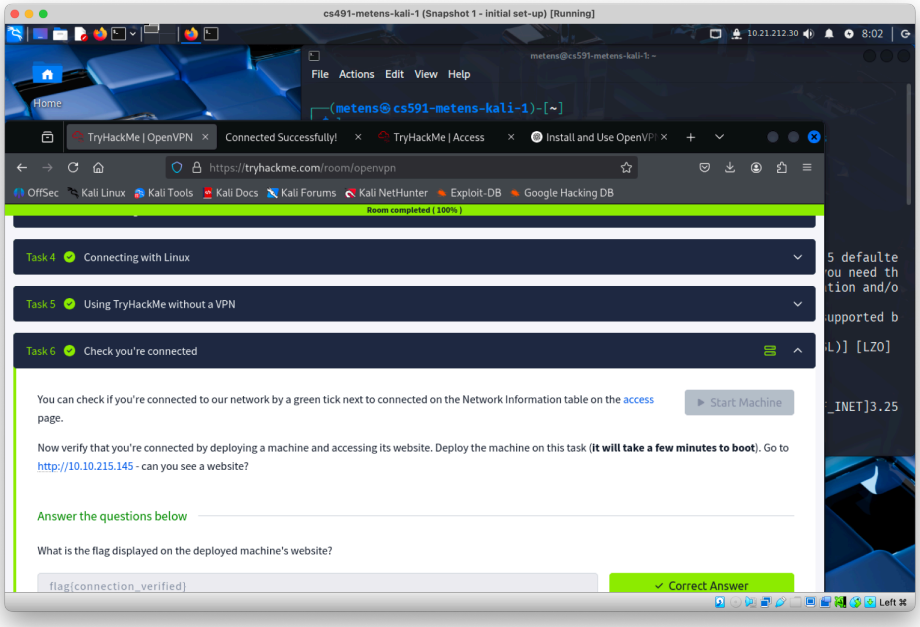
I followed all the steps perfectly in the notebook guide. Some parts took longer to load than others. I was able to watch a YouTube video while waiting. I went through this setup relatively quickly because I had already set up a Kali Linux VM for my other class (Network Security). I did have to take a second screenshot, however, because the steps didn't mention taking a screenshot of the initial snapshot. All in all, things are working, and I now have a VM for the rest of this term. Wahoo!

Task 2: Creating the TryHackMe Account



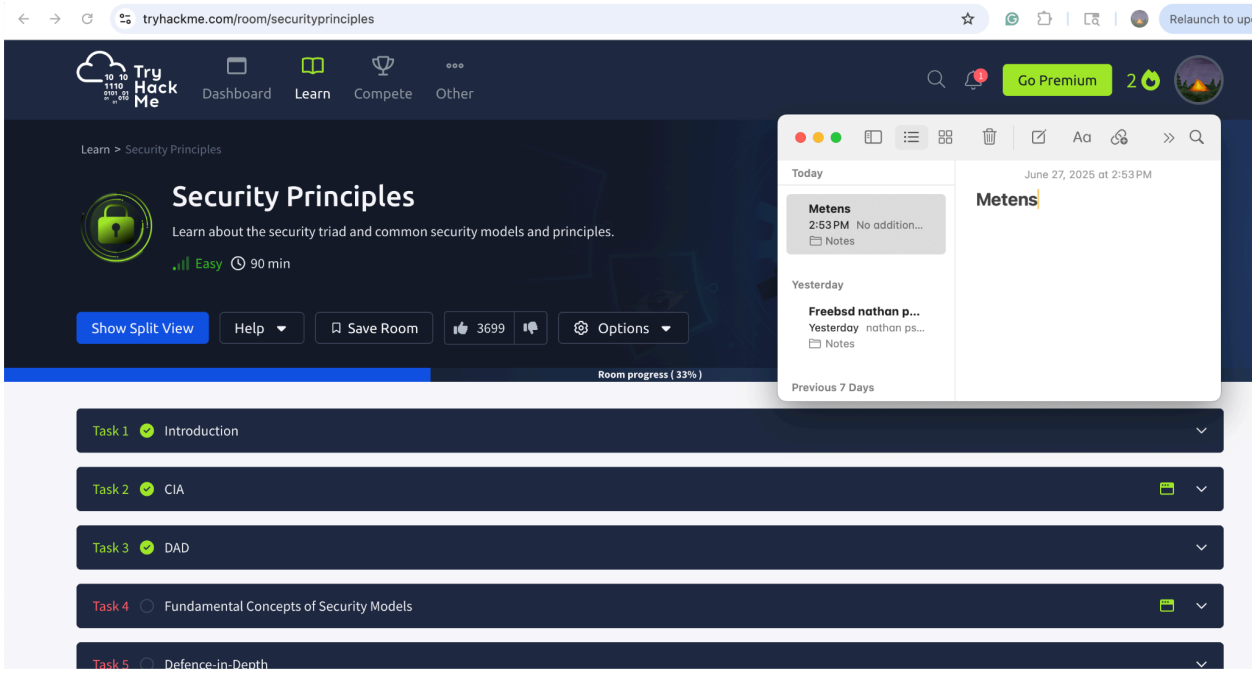
I completed an intro room to understand how things worked on this site. It seems very helpful for learning new skills about security.

Task 3: TryHackMe OpenVPN



This one was fun because I was doing everything in the Kali VM I had just created.

Task 4: TryHackMe Security Principle



A good overview of CIA and DAD, two major opposites.

Conclusion

This assignment involved creating a Kali Linux VM, creating a TryHackMe account, and performing two TryHackMe room courses. I now have a solid foundation for the remainder of the term, as I performed each task without any major hiccups. I enjoyed the TryHackMe rooms I completed, as they were insightful and gave me a sense that I will be using them for some time to gain new hacking skills.