

IGNITE CYBER SECURITY COHORT 1

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ASSIGNMENT: VIRTUALIZATION

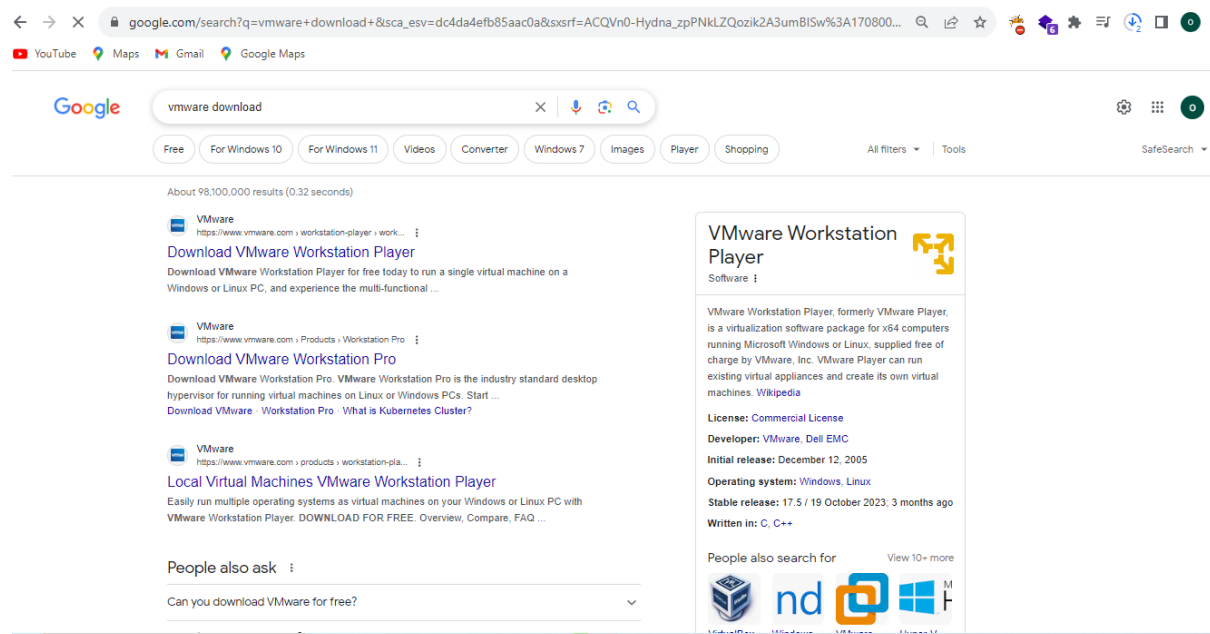
SUMMARY REPORT

In this assignment I was supposed to set up a lab which would assist me in learning hands on cyber security. This was made possible by use of a virtualization software (VMware). I also researched out and found out different classes of hypervisors available (class A and B).

METHODOLOGY FOLLOWED


1. I downloaded VMware work station pro 17 from google.
2. I clicked the executable and installed the VMware software.
3. I then proceeded to download kali Linux VMware ISO image from kali.org site.
4. I downloaded windows 7 and 10 ISO images. Since windows 7 is no longer supported by Microsoft I had to dig deeper into internet achieves to find the ISO image.
5. I extracted the kali Linux ISO image in a file.
6. I enabled file extensions clicked on the file with. vmx extension as It contains the configuration for kali Linux in VMware.
7. I proceeded to login to kali Linux and create a new user account and change the default passwords.
8. For windows 7 and 10 I just created a new virtual machine and installed them.

Downloading VMware work station



vmware.com/products/workstation-player/workstation-player-evaluation.html

VMWARE
WORKSTATION
PLAYER™ 17



VMware Workstation Player is an ideal utility for running a single virtual machine on a Windows or Linux PC. Organizations use Workstation Player to deliver managed corporate desktops, while students and educators use it for learning and training.

The free version is available for non-commercial, personal and home use. We also encourage students and non-profit organizations to benefit from this offering.

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Need a more advanced virtualization solution? Check out [Workstation Pro](#).

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DOWNLOADING KALI LINUX ISO IMAGE

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Kali Linux
<https://www.kali.org/get-kali/>

Get Kali
Quick and easy access to a full Kali install. Your Kali, always with you, without altering the host OS, plus allows you to benefit from hardware access. WSL.
[Installation Documentation](#) [Which Image Should I...](#) [Kali Linux 2023.4 Release...](#)

Kali Linux
<https://www.kali.org/docs/introduction/download...>

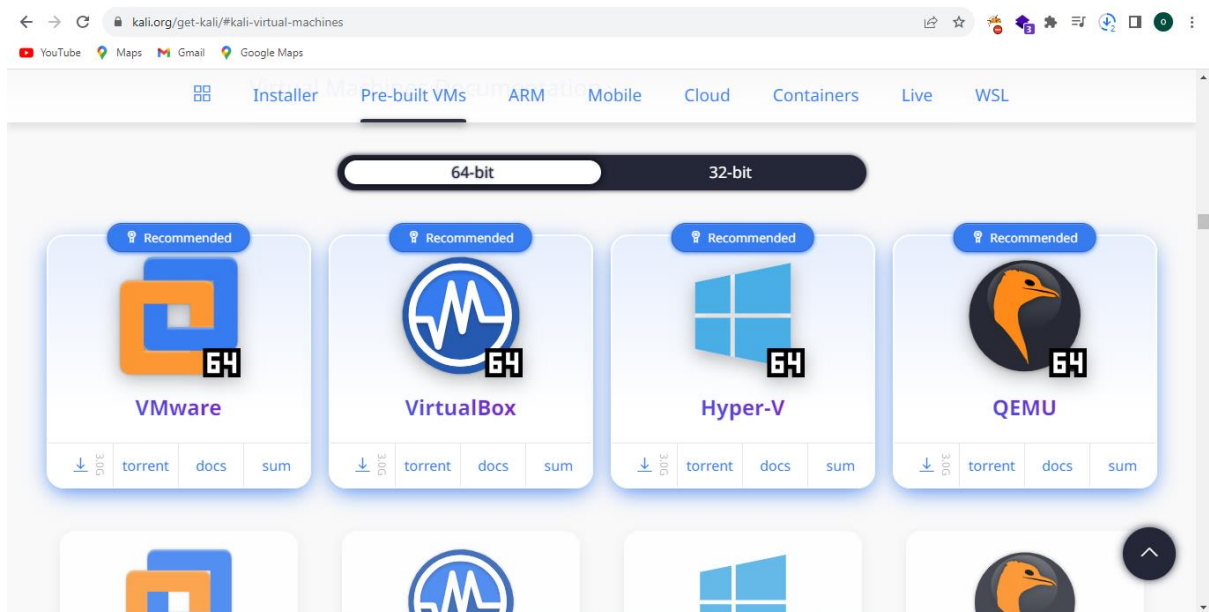
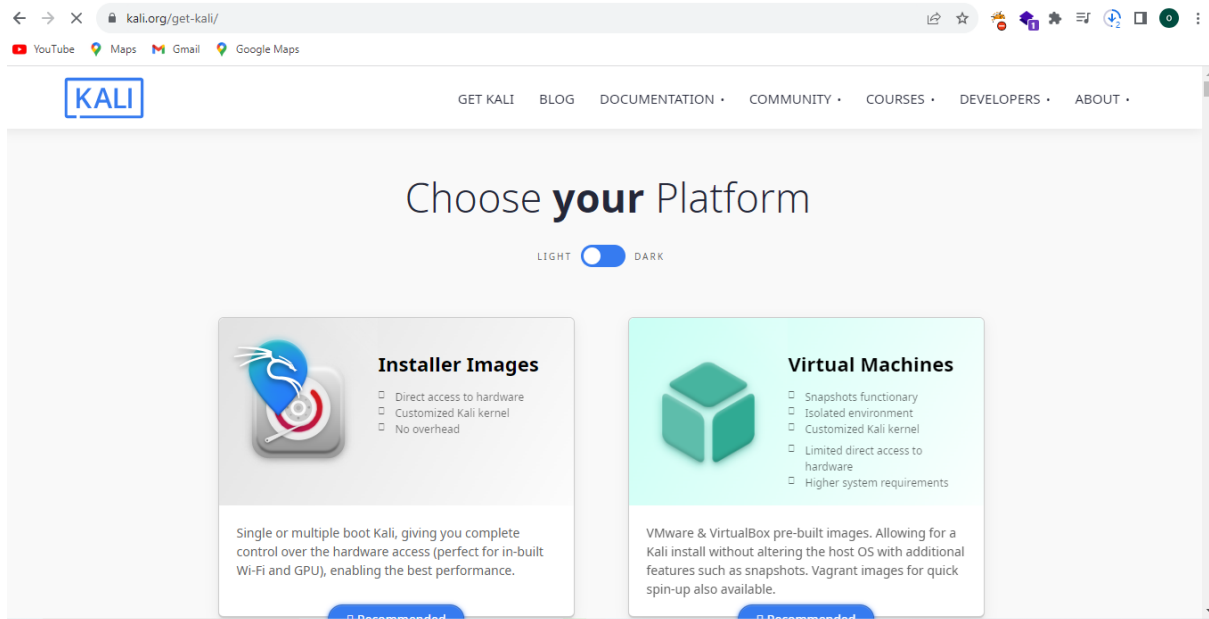
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TechSpot
<https://www.techspot.com/downloads/6738-kali-4...>

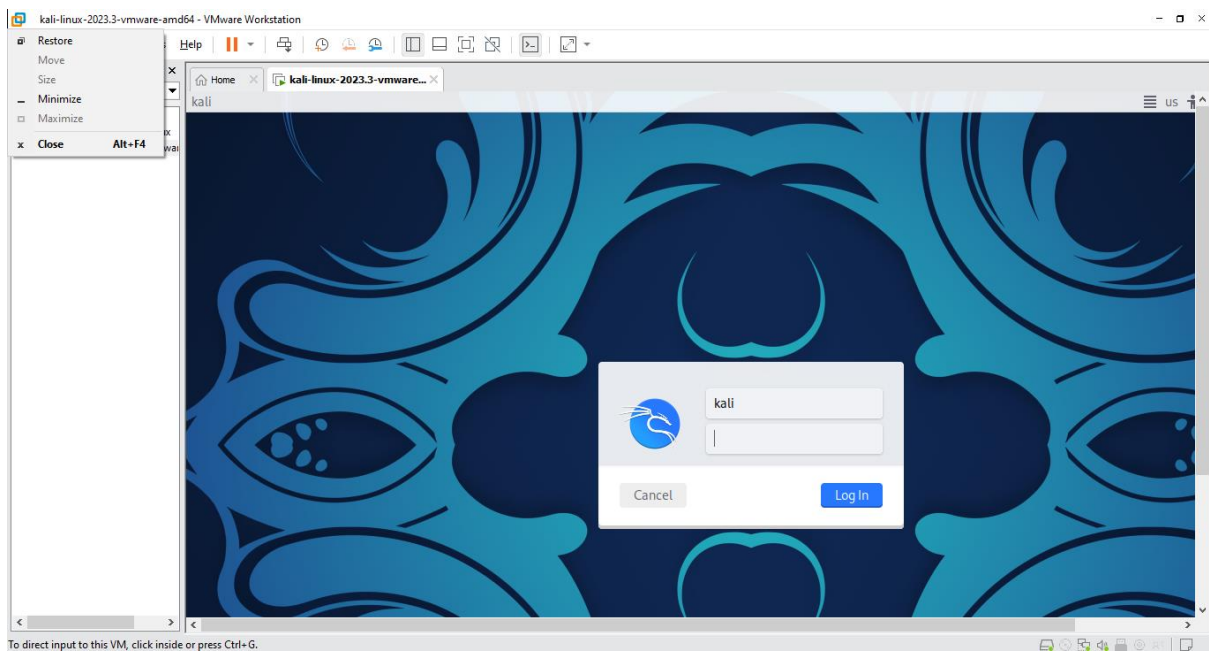
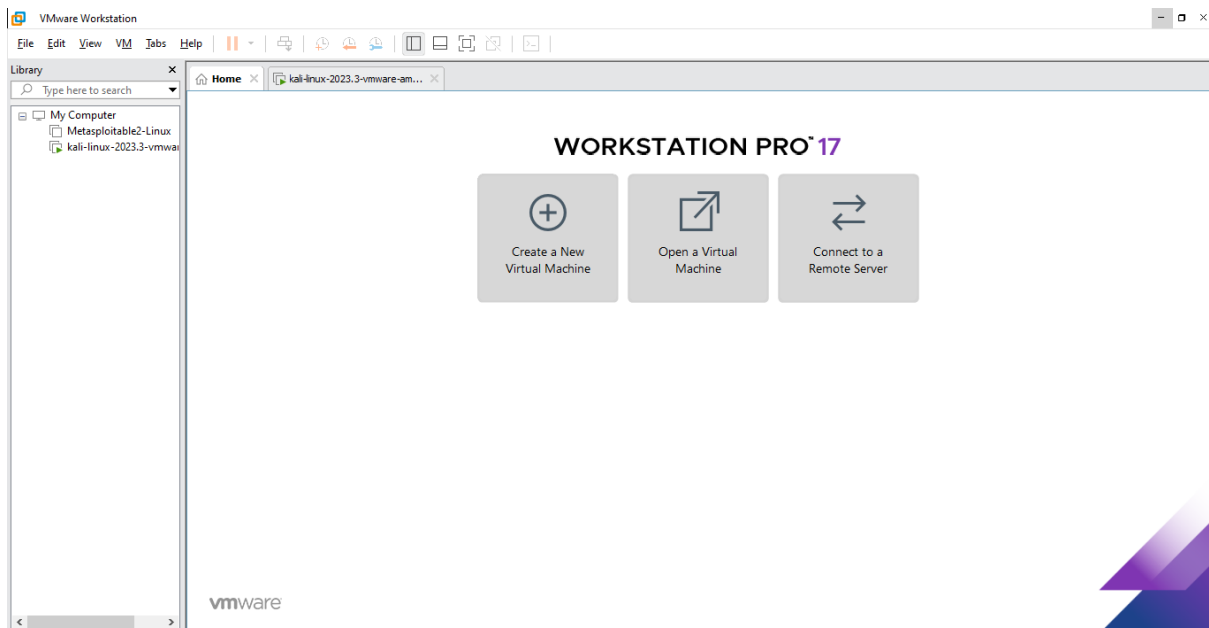
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4 Jan 2024 — Download Kali Linux - Kali Linux is an advanced Linux distribution used for penetration testing, ethical hacking and network security ...
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Kali Linux
<https://www.kali.org/installation/hard-disk-install/>

Installing Kali Linux | Kali Linux Documentation
31 May 2023 — Download Kali Linux (We recommend the image marked Installer). - Burn The



INSTALLING VIRTUAL MACHINES IN VMWARE



CONCLUSION

Virtualization is very important in the world of cyber security and ethical hacking as it provides an environment where we can practice hacking in a safe environment.

REFERENCES

<https://www.vmware.com/products/workstation-pro.html>

<https://www.kali.org/get-kali/#kali-platforms>