



UNIVERSITI MALAYSIA TERENGGANU

SEMESTER 1 2023/2024

CYBER SECURITY CSF3233

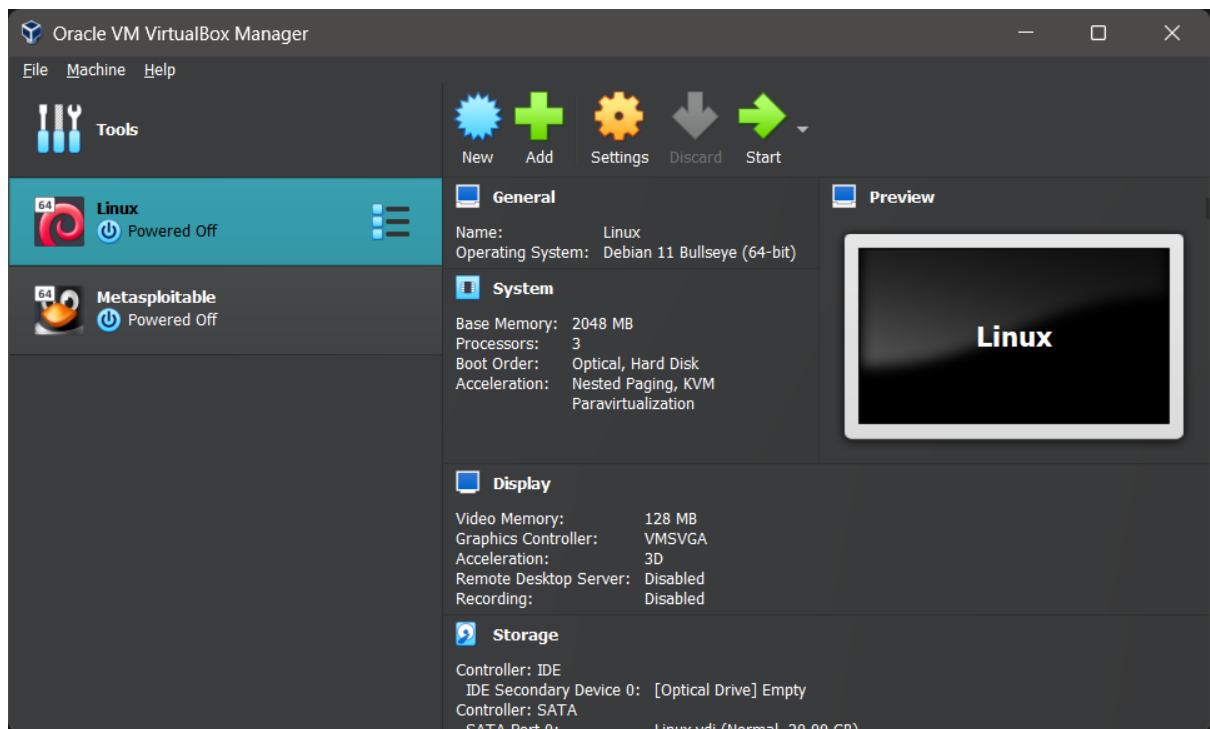
LAB 1

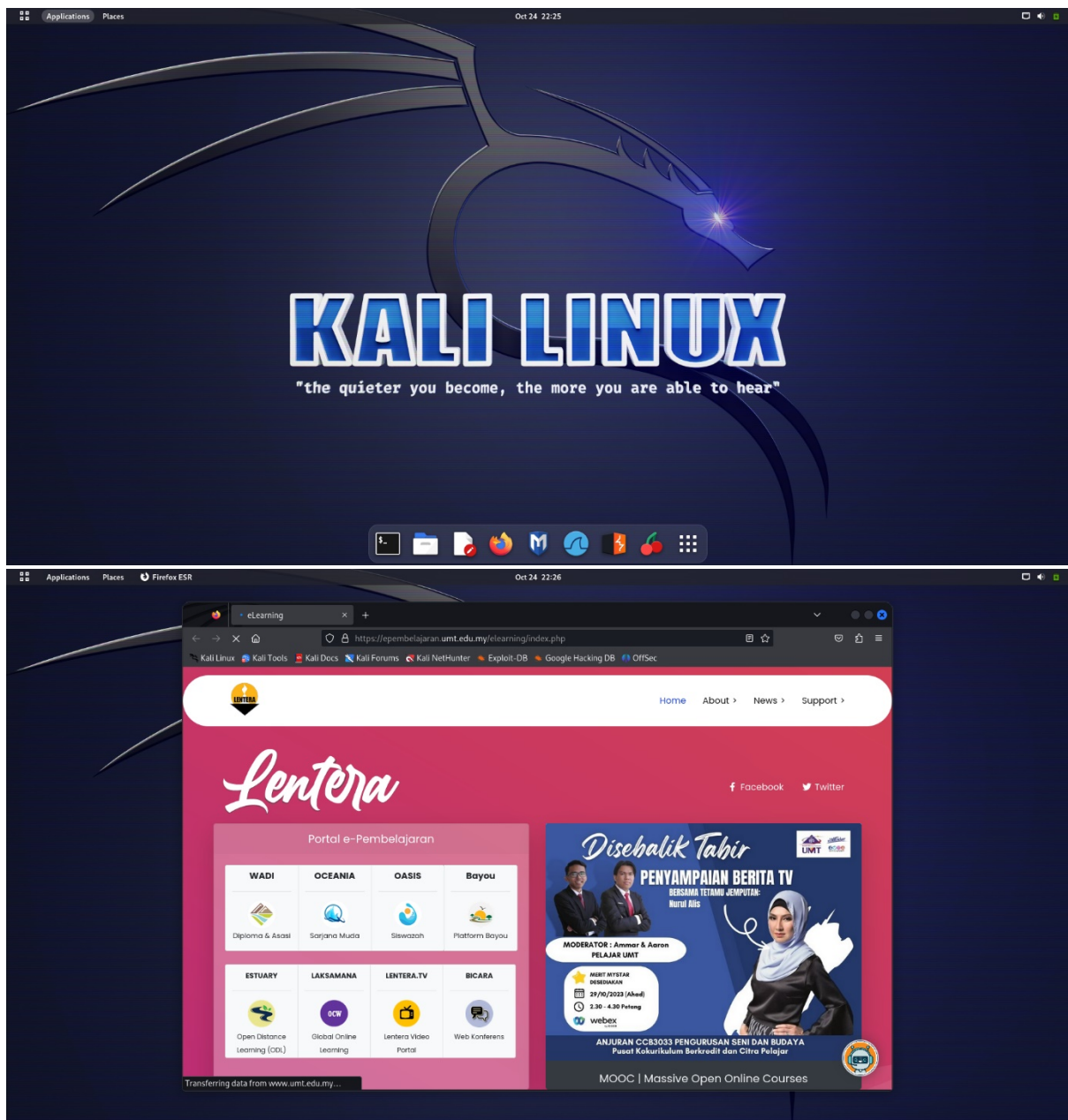
PREPARED FOR:

MUHAMMAD ABDUL AALIM AHMAD ROSLI

PREPARED BY:

ARUN MUGILAN A/L SARGUNAN S63746





REFLECTION QUESTIONS

1. What is Virtual Box and what are their benefits?
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2. What are the types of virtualization available?

3. Give four reasons for using Virtual Box.
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1. The most widely used open source cross-platform virtualization programme in the world, Oracle VM VirtualBox, helps developers to produce code more quickly by allowing them to run different operating systems on a single device.
2. Types of virtualization
 - Desktop virtualization.
 - Network virtualization.
 - Storage virtualization.
 - Data virtualization.
 - Application virtualization.
 - Data center virtualization.
 - CPU virtualization.
 - GPU virtualization.
3. Running numerous operating systems at the same time. Oracle VM VirtualBox allows you to run multiple operating systems at the same time. Software installation is simplified. Disaster recovery and testing. Infrastructure reorganisation. It enables users to install and run different operating systems at the same time by allowing them to create and run virtual machines on their PCs.

REFLECTION QUESTIONS

1. Based on your understanding, what is Kali Linux?
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2. What is Kali Linux used for?
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3. Give five reasons for using Kali Linux.

1. It is an operating system designed for conducting security assessments, network testing, and digital forensics
2. Kali Linux is mostly used to launch advanced-level security audits and penetration tests. The operating system includes a plethora of tools for activities such as information security, security research, penetration testing, reverse engineering, and computer forensics.
3. Reasons to use Kali Linux
 - There are almost 600 penetrating tools provided.
 - Compliance with the file-system hierarchy standard.
 - Navigate to the development tree.
 - Support for multiple languages.
 - Totally customisable.
 - Support for a wide range of wireless devices.

```
msfadmin@metasploitable:~$ ls
-bash: ls: command not found
msfadmin@metasploitable:~$ ls vulnerable
-bash: ls: command not found
msfadmin@metasploitable:~$ mkdir S63746
msfadmin@metasploitable:~$ dir S63746 vulnerable
S63746:
```

```
vulnerable:
mysql-ssl samba tikiwiki twiki20030201
msfadmin@metasploitable:~$ _
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My matric number is S63746

1. *What is the purpose of this study?*
 2. *What are the research objectives?*
 3. *What is the research methodology?*
 4. *What are the key findings?*
 5. *What are the conclusions?*
 6. *What are the limitations?*
 7. *What are the implications?*
 8. *What are the future research directions?*
 9. *What are the contributions?*
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 11. *What are the references?*
 12. *What are the appendices?*
 13. *What are the glossary?*
 14. *What are the abbreviations?*
 15. *What are the symbols?*
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```
"S63746.txt" 3 lines, 52 characters written
msfadmin@metasploitable:~/S63746$ _
```

```
"S63746.txt" 3 lines, 52 characters written
msfadmin@metasploitable:~/S63746$ pwd
/home/msfadmin/S63746
msfadmin@metasploitable:~/S63746$ _
```