



# **International Islamic University Chittagong**

**Department of Computer Science and  
Engineering**

**Lab Report: Installation and configuration of  
Kali Linux.**

**Course Code: CSE-4744**

**Course Title: Computer Security Lab**

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# 1 Title : Installation and configuration of Kali Linux.

## 2 Objectives:

- To learn the proper installation of Kali Linux.
- To Configure essential system and network settings.
- To prepare the platform for cybersecurity labs and experiments.

## 3 Introduction:

Kali Linux is a Linux-based operating system mainly used for cybersecurity and ethical hacking. It contains many built-in tools for penetration testing, network security, and digital forensics. Before using these tools, the system needs to be properly installed and configured. In this lab, we focus on installing Kali Linux, setting up basic configurations, and preparing it for future security tasks.

## 4 Step-by-step Procedure:

### Step-1:

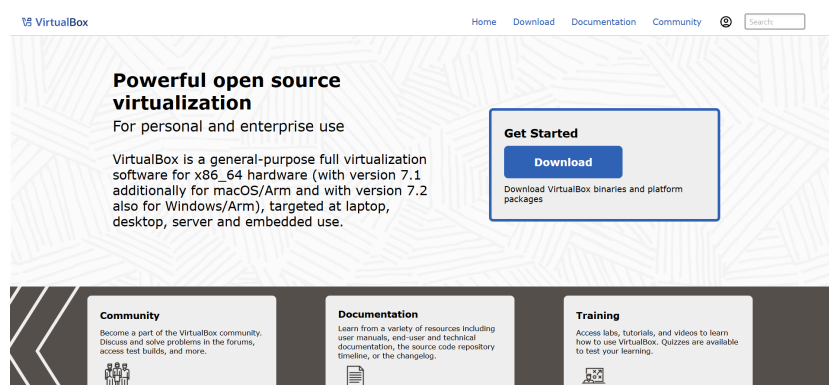


Figure 1

Step-2:

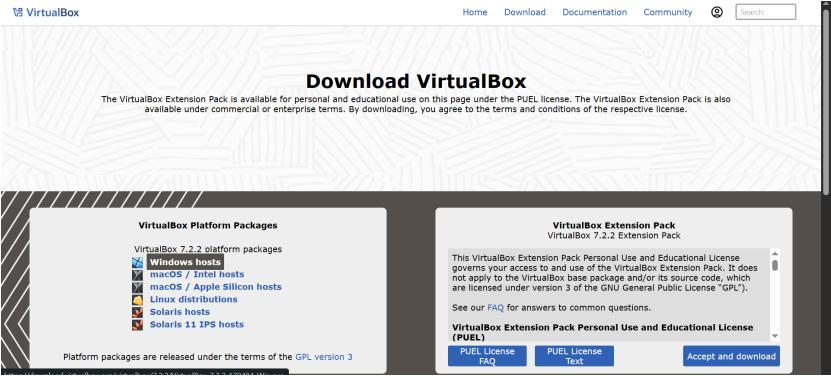


Figure 2

Step-3:

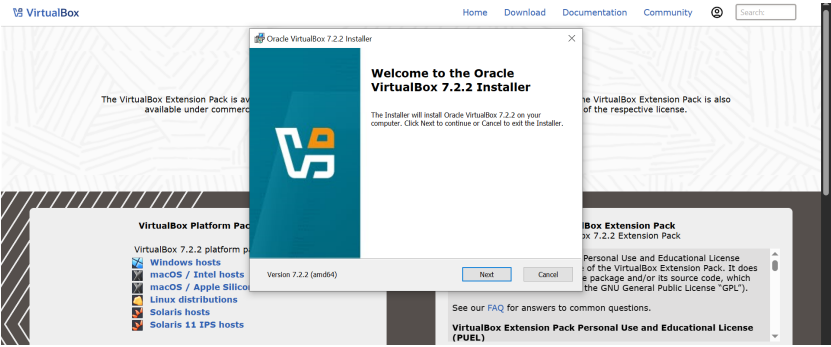


Figure 3

Step-4:

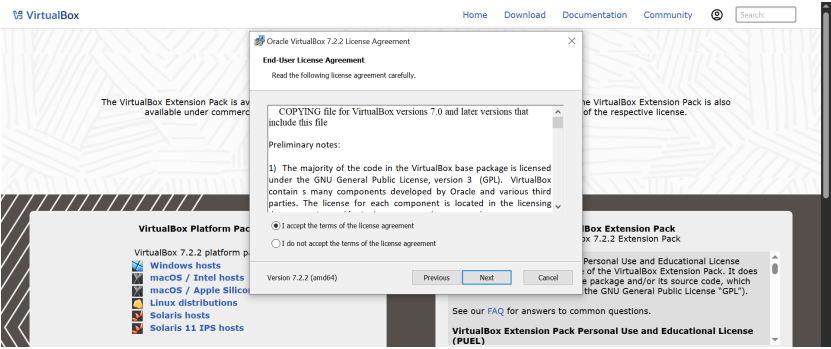


Figure 4

Step-5:

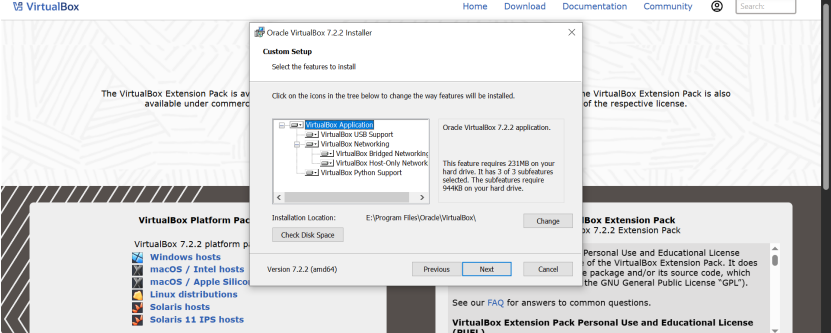


Figure 5

Step-6:

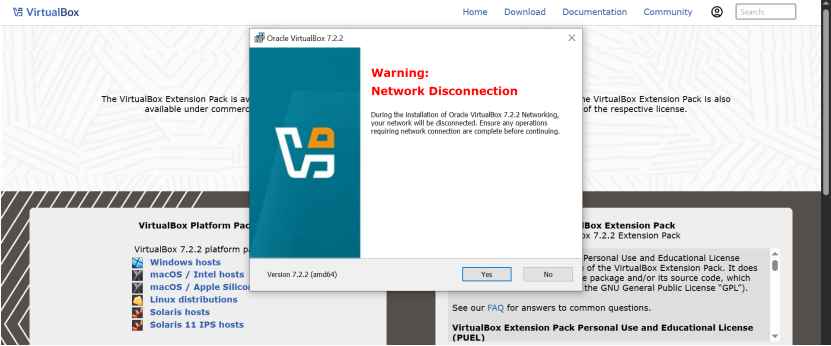


Figure 6

Step-7:

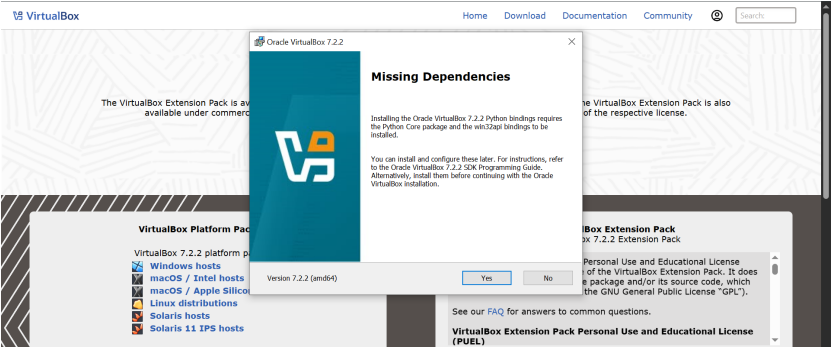


Figure 7

Step-8:

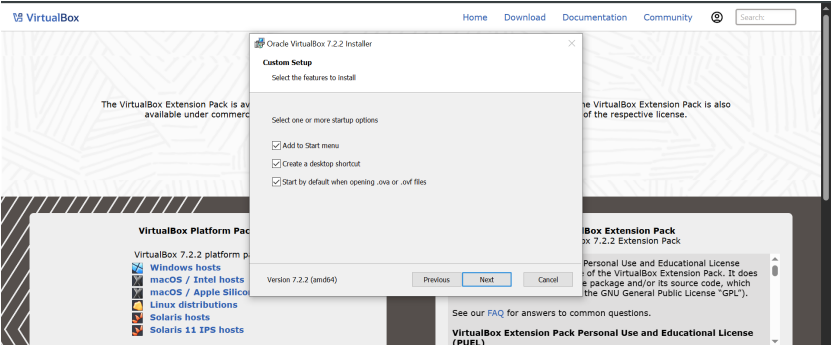


Figure 8

Step-9:

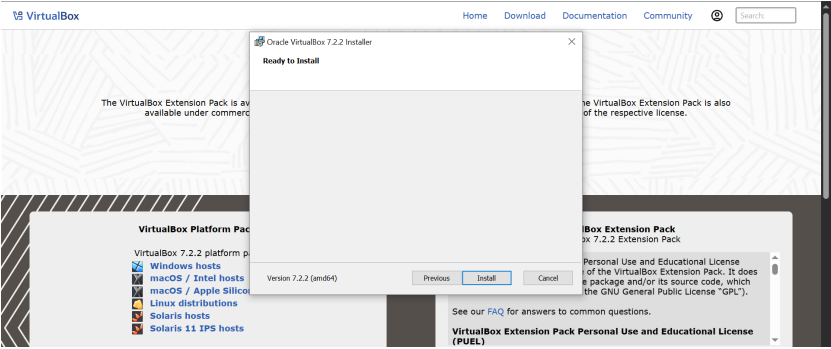


Figure 9

Step-10:

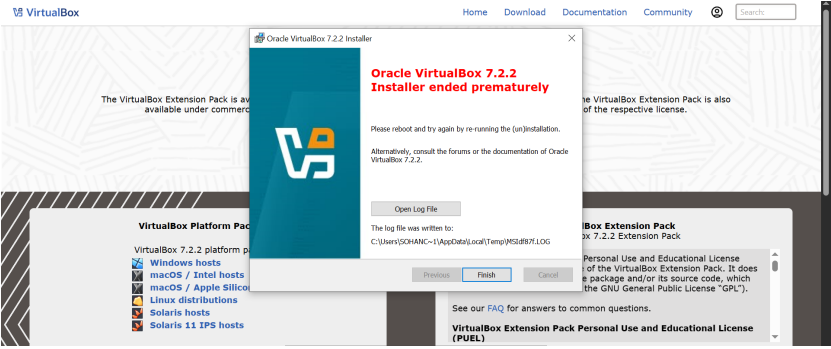


Figure 10

Step-11:

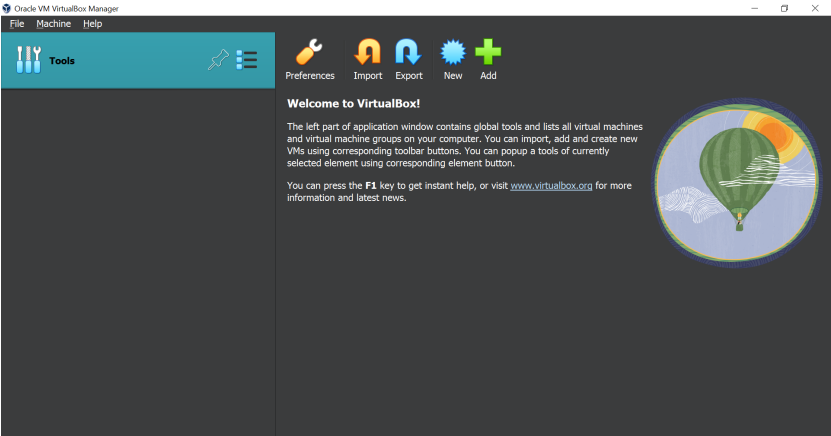


Figure 11

Step-12:

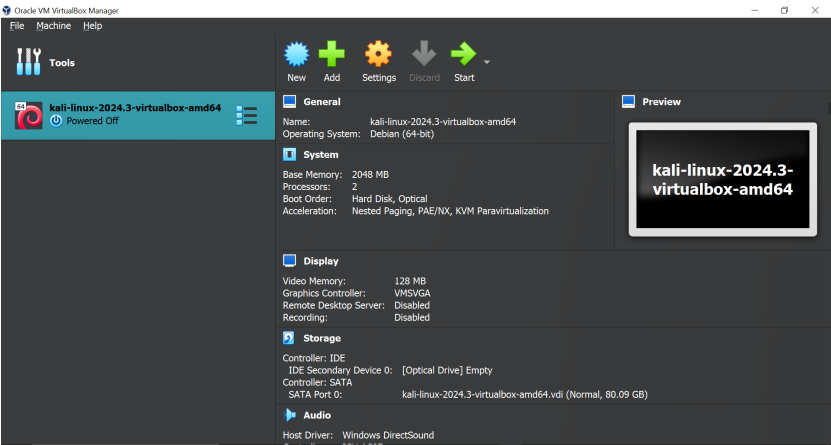


Figure 12



## 5 Output:

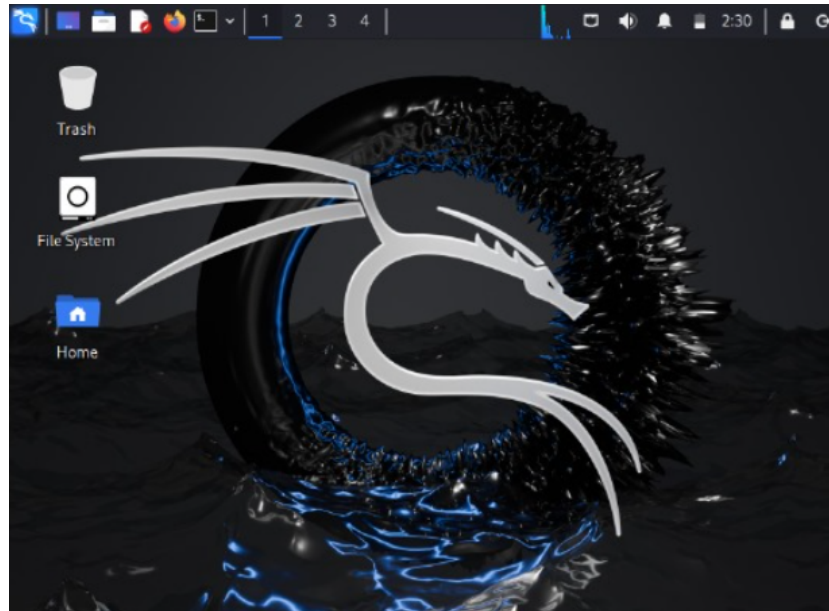


Figure 13 : kali Linux Interface

After completing the installation and configuration process, Kali Linux booted successfully on the Virtual Machine. The desktop environment loaded without errors, showing the default Kali Linux interface with icons like Trash, File System, and Home. This confirms that the operating system is properly installed and ready for performing cybersecurity and ethical hacking tasks.

## 6 Discussion:

During this lab, Kali Linux was successfully installed and configured on the system. The installation process involved selecting the appropriate settings such as disk space, memory allocation, and user configuration. After installation, basic system setup was done, including updating packages, configuring the network, and verifying root access. Through this process, we became familiar with the Kali Linux environment and its pre-installed security tools. This lab provided practical experience that will help in performing future tasks related to cybersecurity and ethical hacking.