**LAB 1**

**AIM:**

To install and configure a Virtual Machine for a Malware Analysis Lab Setup.

**SOFTWARE REQUIRED:**

Oracle VM VirtualBox

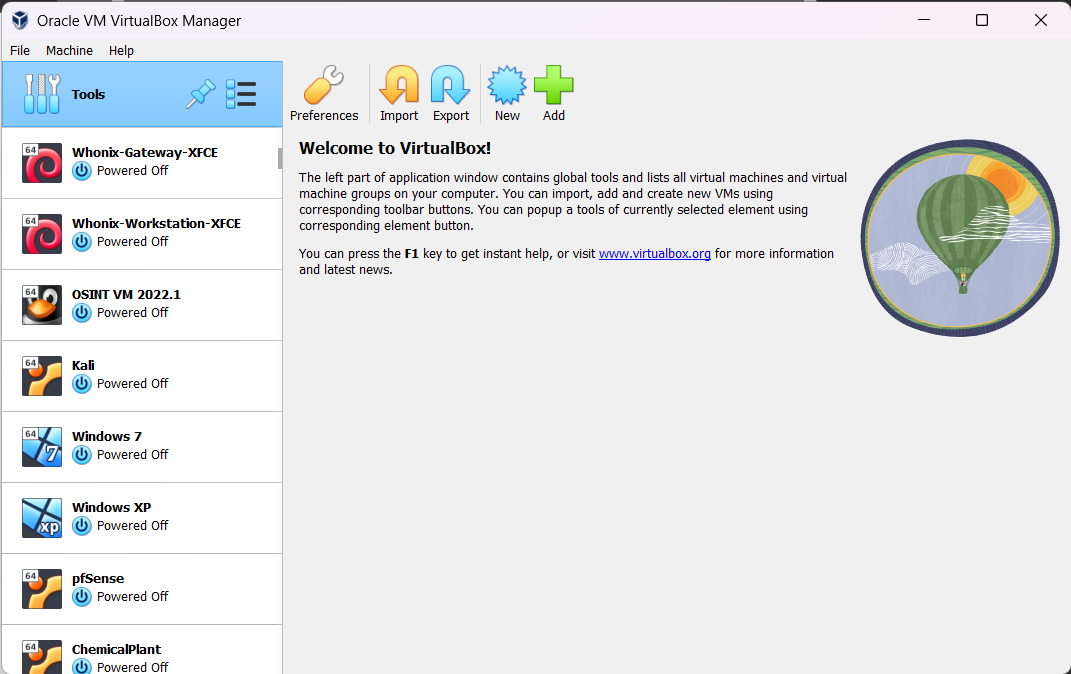
**INTRODUCTION:**

Virtual machine (VM) is a software emulation of a computer system that enables running multiple operating systems simultaneously on a single physical machine.

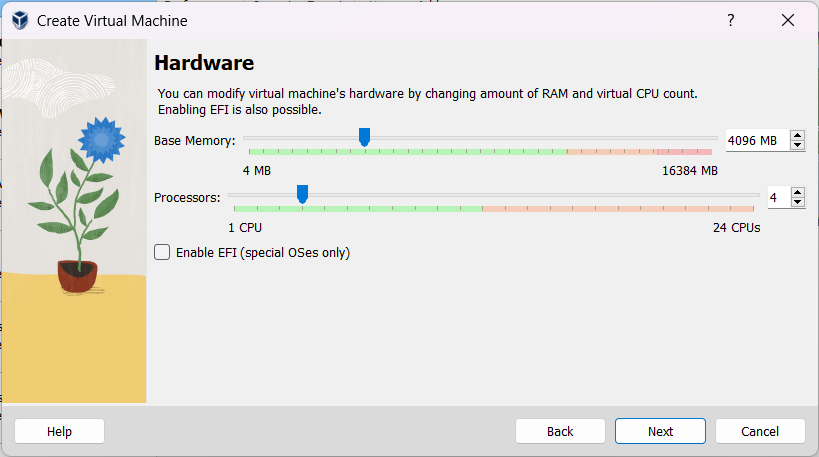
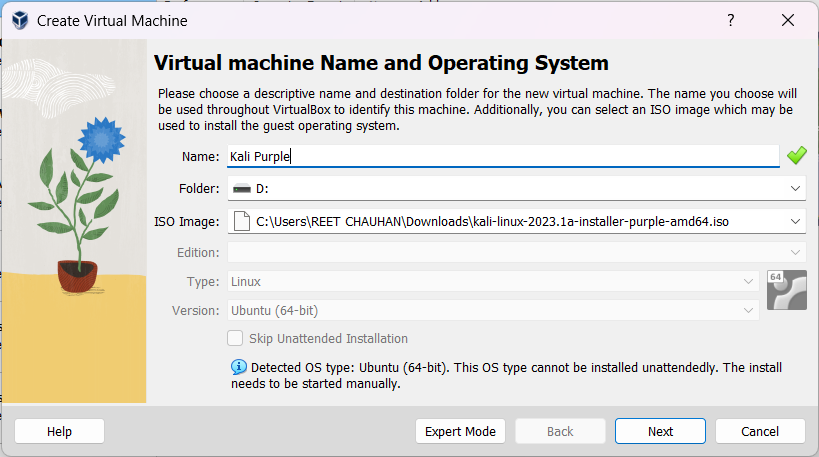
Oracle VM VirtualBox is a widely used open-source virtualization software. It allows users to create and manage virtual machines on different host operating systems, including Windows, macOS, Linux, and Solaris. VirtualBox offers features like resource allocation, snapshot functionality, and seamless integration between host and guest systems. With hardware-assisted virtualization, it ensures efficient utilization of system resources.

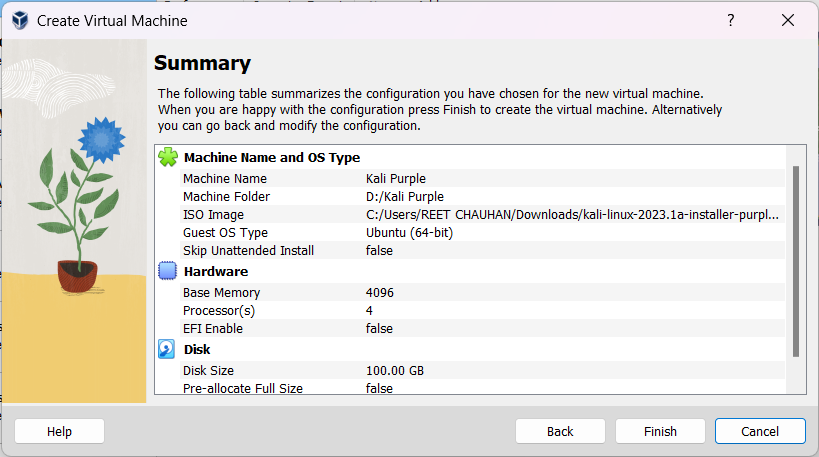
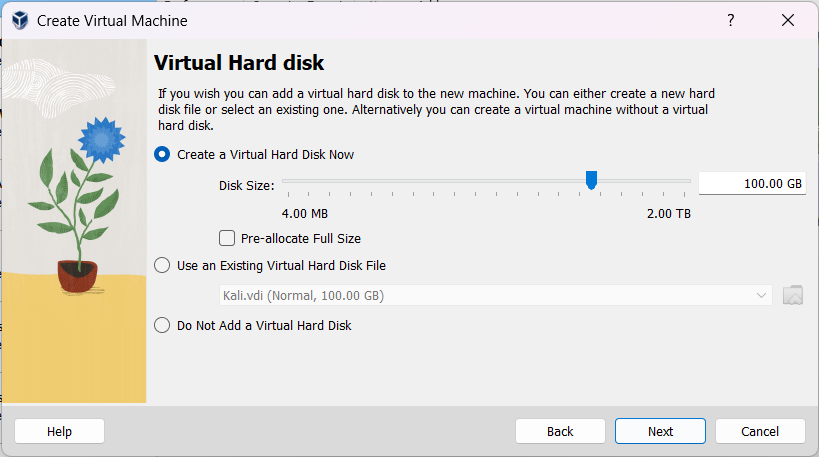
**STEPS:**

1. Download and install Oracle VM VirtualBox.

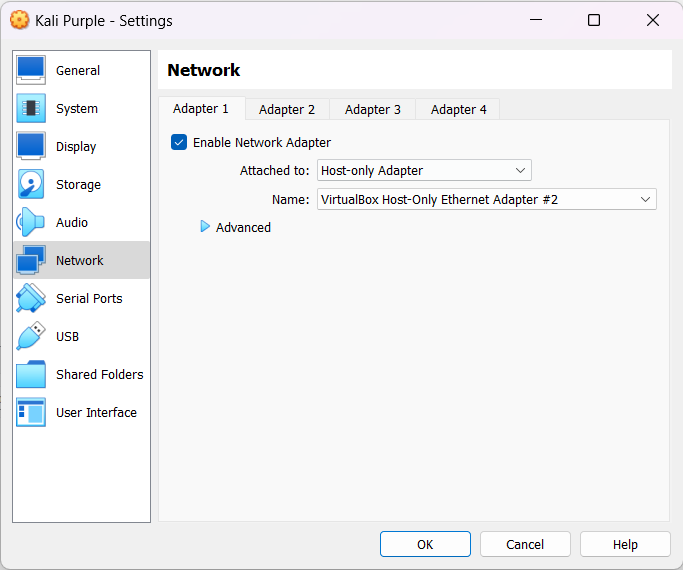


1. Download Operating System's ISO images for the Virtual Machines that are to be created. Create a Virtual Machine using the ISO image.

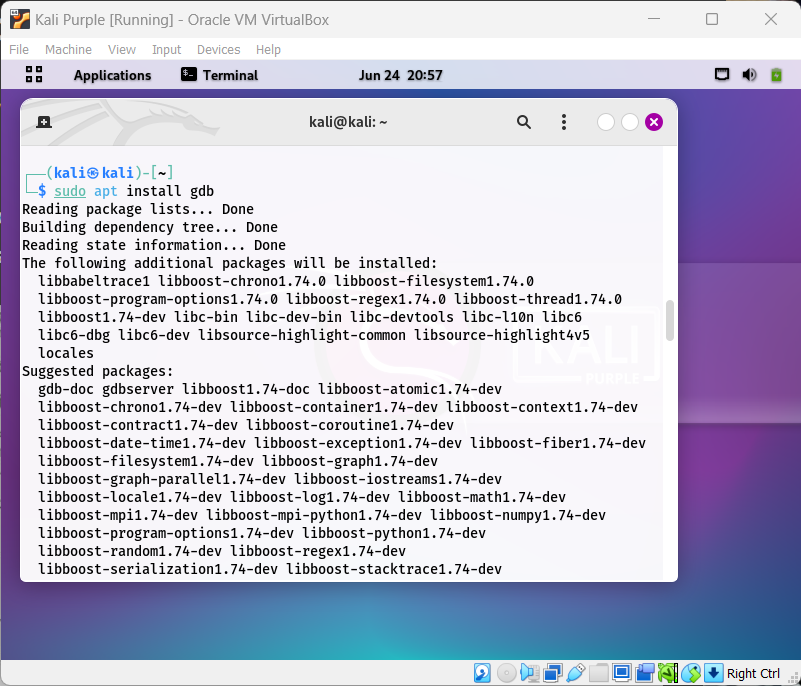
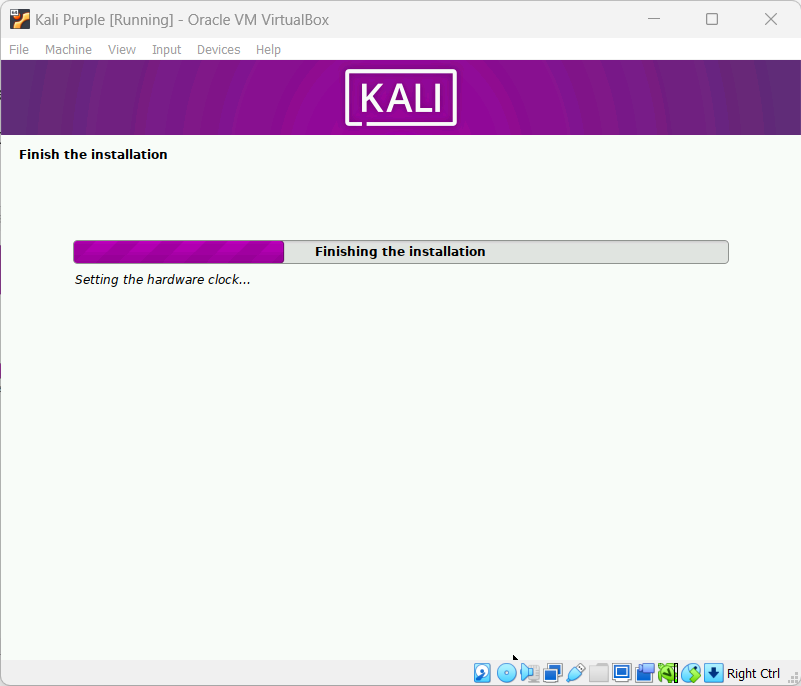




1. Configure the Virtual Machine. Ensure to change the network settings to host-only network.



1. Install the OS. Download Malware Analysis tools like antivirus, debuggers, disassemblers, network monitoring tools and other static and dynamic analysis tools.



1. Take a Snapshot of the Virtual Machine.

