

InSkill-1

Step 1: Download and Install VirtualBox

1. **Download VirtualBox:**
 - Go to the [VirtualBox website](#).
 - Download the version compatible with your operating system (Windows, macOS, or Linux).
2. **Install VirtualBox:**
 - Run the installer and follow the on-screen instructions to complete the installation.

Step 2: Download Kali Linux ISO

1. **Go to the Kali Linux website:**
 - Visit the Kali Linux download page.
 - Choose the ISO file (Installer Images) for your system architecture (usually 64-bit).

Step 3: Create a New Virtual Machine in VirtualBox

1. **Open VirtualBox** and click on the “New” button.
2. **Name your virtual machine** (e.g., "Kali Linux").
3. **Select the type as Linux** and the version as **Debian (64-bit)**.
4. **Allocate memory (RAM):**
 - Minimum 2 GB (2048 MB) is recommended, but you can allocate more if your system has enough RAM.

Step 4: Configure the Virtual Machine

1. **Create a Virtual Hard Disk:**
 - Select “Create a virtual hard disk now” and click “Create.”
 - Choose “VDI (VirtualBox Disk Image)” and click “Next.”
 - Select “Dynamically allocated” for disk space allocation.
 - Allocate disk space (20 GB is sufficient, but more is better if you plan to install many tools).
2. **Attach the Kali Linux ISO:**
 - Click on “Settings” for the newly created virtual machine.
 - Go to “Storage” -> “Controller: IDE” -> Click on the empty disk icon.
 - Choose “Choose a disk file” and select the downloaded Kali Linux ISO.

Step 5: Install Kali Linux

1. **Start the Virtual Machine:**
 - Click “Start” in VirtualBox to boot the VM.
 - The VM will boot from the Kali Linux ISO.
2. **Follow the Installation Process:**
 - Choose the “Graphical Install” option.

- Follow the on-screen instructions to set your location, language, keyboard layout, etc.
 - Configure the network (you can skip if not required).
 - Partition the disk: Choose “Guided – use entire disk.”
 - Complete the installation by following the prompts. Set up your user account and password when prompted.
3. **Finish the Installation:**
- After installation, the VM will reboot, and you can start using Kali Linux within VirtualBox.

Step 6: Post-Installation Setup

1. **Install VirtualBox Guest Additions:**
- It helps in improving the VM performance, enabling shared folders, and better screen resolution.
 - Go to “Devices” -> “Insert Guest Additions CD image” in the VirtualBox menu.
 - Follow the on-screen instructions to install it inside Kali Linux.

2.Update Kali Linux:

- Open the terminal and run:

```
sudo apt update
```

```
sudo apt upgrade
```

3. Explore Tools:

- Start exploring the various ethical hacking tools available in Kali Linux, such as Nmap, Metasploit, and Wireshark.