

How to Install Kali Linux in VirtualBox

This guide explains step-by-step how to install Kali Linux on Oracle VirtualBox using a Windows PC.

1. Requirements

- A Windows computer with at least 8 GB RAM
- Oracle VirtualBox installed
- Kali Linux ISO file downloaded
- Minimum 40 GB free disk space
- Stable internet connection

2. Download VirtualBox and Kali Linux

Download VirtualBox from the official Oracle website and download the Kali Linux ISO from the official Kali website.

Software	Official Website
VirtualBox	https://www.virtualbox.org
Kali Linux	https://www.kali.org/get-kali/

3. Create a New Virtual Machine

- 1 Open VirtualBox and click 'New'.
- 2 Enter Name: Kali Linux.
- 3 Select Type: Linux.
- 4 Select Version: Debian (64-bit).
- 5 Allocate at least 4 GB RAM.
- 6 Create a virtual hard disk.
- 7 Choose VDI (Virtual Disk Image).
- 8 Select Dynamically Allocated.
- 9 Set disk size to at least 40 GB.

4. Attach Kali Linux ISO

- 1 Select the Kali Linux virtual machine.
- 2 Click Settings → Storage.
- 3 Under Controller: IDE, click Empty.
- 4 Click the disk icon and choose the Kali Linux ISO file.
- 5 Press OK.

5. Install Kali Linux

- 1 Click Start in VirtualBox.
- 2 Choose Graphical Install.
- 3 Select your language and keyboard layout.
- 4 Configure hostname and user account.
- 5 Create a password.
- 6 Choose Guided – Use Entire Disk.
- 7 Finish partitioning and write changes to disk.
- 8 Wait for installation to complete.
- 9 Install GRUB boot loader when prompted.
- 10 Restart the virtual machine.

6. Recommended VirtualBox Settings

- Enable 2 CPU cores for better performance.
- Enable 128 MB video memory.
- Enable Bidirectional Clipboard.
- Install VirtualBox Guest Additions for fullscreen support.

Kali Linux is now successfully installed in VirtualBox. You can use it for cybersecurity learning, ethical hacking practice, and penetration testing in a safe virtual environment.