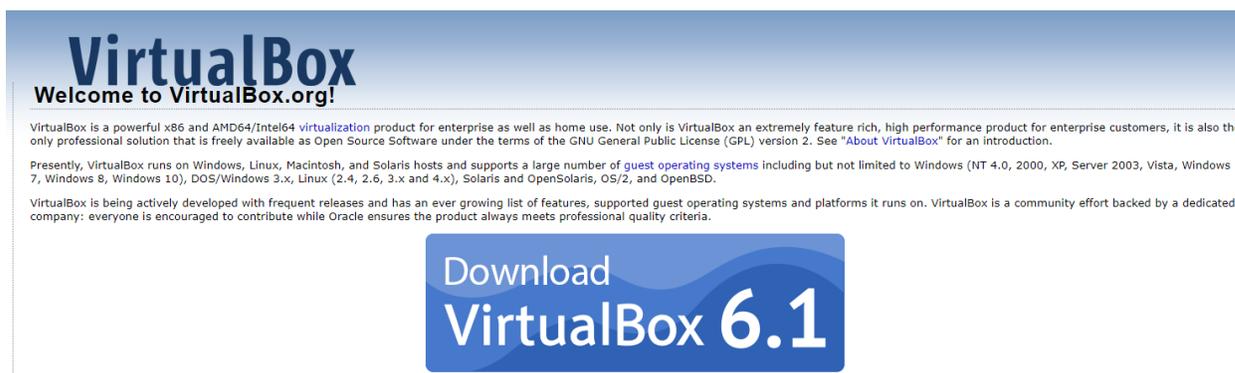


Setting Up Your Kali VM

The simplest way to get started using Kali Linux is to run it as a Virtual Machine. There are several hypervisors available to run your VM, we recommend VirtualBox, as it is free and simple to use. Alternatively you could [install Kali Linux on a Raspberry Pi](#) or install it to an old laptop you have laying around.

Simply go to virtualbox.org and click the Download button:



Once downloaded, click the executable and follow the installation instructions.

Next, we need to download the Kali VM. If you go to the kali.org website, they have .iso image files, which allow you to install the OS from scratch. The web location is <https://www.offensive-security.com/kali-linux-vm-vmware-virtualbox-image-download/>. From here, you can download the VirtualBox OVA. This is a pre-built Kali VM container that you can import directly into VirtualBox. Download the 64-bit version:

+ KALI LINUX VMWARE IMAGES				
- KALI LINUX VIRTUALBOX IMAGES				
Image Name	Torrent	Version	Size	SHA256Sum
Kali Linux VirtualBox 32-Bit	Torrent	2019.4	2.9G	39d0c41cef32360d195b8a4338495929af8048a5a63fb663fe51c713211f267
Kali Linux VirtualBox 64-Bit	Torrent	2019.4	3.0G	1bad2cf0e342e22586366605aefe5d8fa54480bf333cfad2892d3897cec07c01

Once the file is downloaded, open VirtualBox and click "File -> Import Appliance". Use the navigator to select the OVA file you downloaded and click *Next*. This will take you to an "Appliance Settings" menu. Leave everything as default and click "Import".

← Import Virtual Appliance

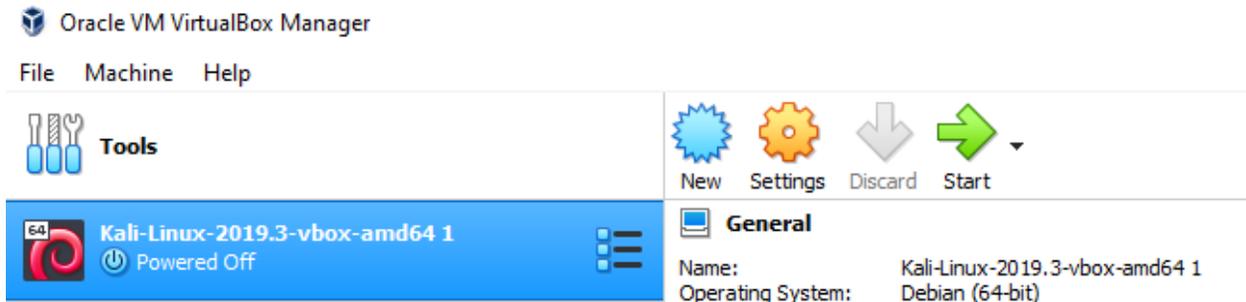
Appliance settings

These are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the check boxes below.

Virtual System 1	
	Name Kali-Linux-2019.3-vbox-amd64 1
	Product Kali Linux
	Product-URL https://www.kali.org/
	Vendor Offensive Security
	Vendor-URL https://www.offensive-security.com/
	Version Rolling (2019.3) x64
	Description Kali Rolling (2019.3) x64...

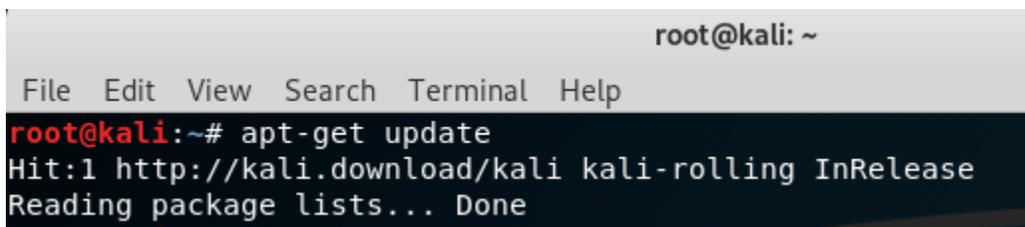
You can modify the base folder which will host all the virtual machines. Home folders can also be individually (per virtual machine) modified.

Once the import is complete, you will see the Kali VM in the Virtual Machine list.

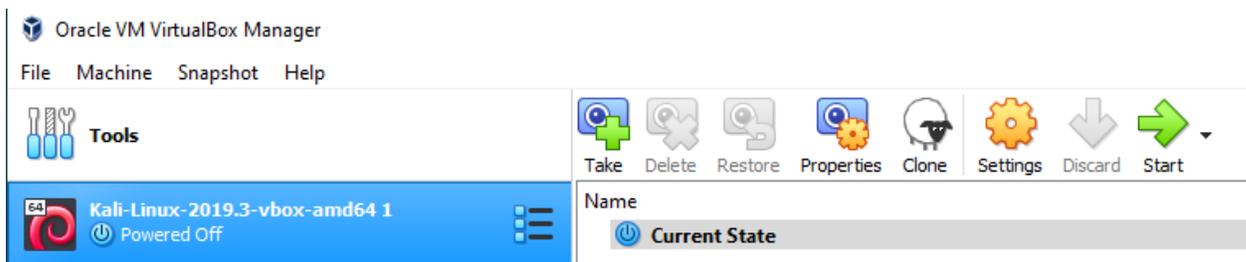


Boot the VM by clicking the "Start" button. Log in using the default credentials "root:toor".

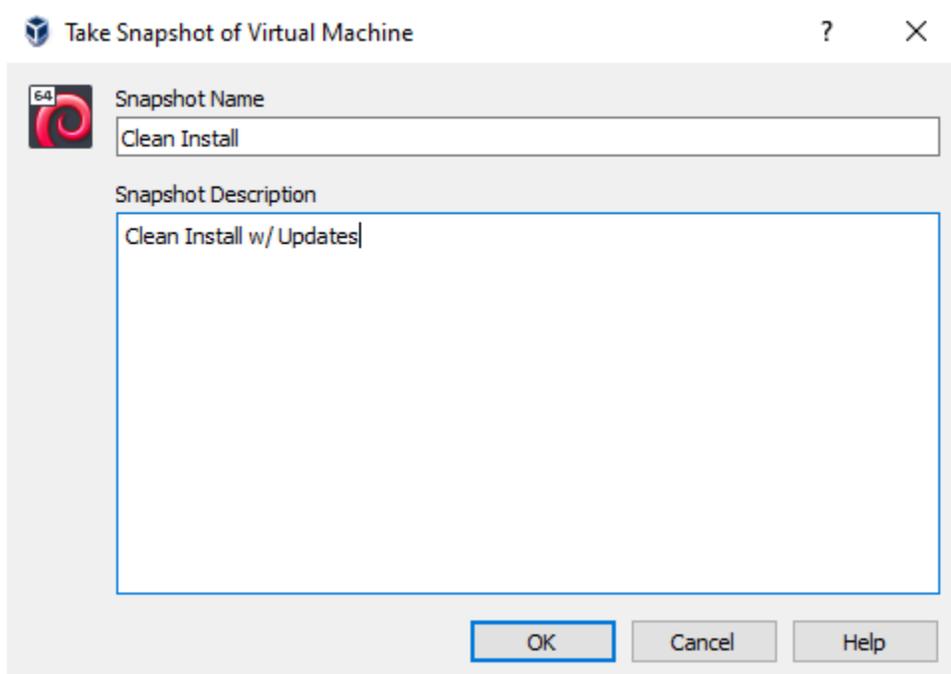
Once logged in, we need to update the VM. Open a terminal by clicking the terminal icon on the left-hand menu. The update takes two steps. First type "*apt-get update*".



Next type "*apt-get upgrade -y*". This will likely take several minutes for the upgrade to complete. Once the upgrade is finished, take a Snapshot of your VM. This will capture the state of the VM. That way if the image gets corrupted, gets malware, gets misconfigured, etc., you can simply roll back to the clean/updated snapshot.



Click the options menu icon next to the VM name and click "Snapshots". This will take you to the page above. Then, simply click the "Take" button. Name your snapshot and provide a description.



You now have a working Kali VM for use with the Cyber Range. Enjoy!