## Virtual Box and Virtual Machine Setup Guide

Visit <u>https://www.virtualbox.org/wiki/Downloads</u> and download the version of Virtual box that matches your Operating System.

Install Virtual Box through the installer you downloaded.

Open Virtual Box and navigate to Machine -> Add...



Navigate to the location of your Virtual Machines, select the .vbox file, and click Open.

Name	Date modified	Туре	Size
Logs	6/18/2021 4:04 PM	File folder	
Snapshots	6/17/2021 6:47 PM	File folder	
💎 PNW-GenCyber-KaliLinux.vbox	6/18/2021 4:09 PM	VirtualBox Machin	4 KB

## Repeat the previous step for the PNW-GenCyber-WindowsServer2012 VM

🦸 Oracle VM VirtualBox Manager	
File Machine Help	
	Preferences Import Export New Add
PNW-GenCyber-KaliLinux	Welcome to VirtualBox! The left part of application window contains global tools a
PNW-GenCyber-WindowsServer2012	machines and virtual machine groups on your computer. add and create new VMs using corresponding toolbar but popup a tools of currently selected element using corresp button.
	You can press the <b>F1</b> key to get instant help, or visit <u>ww</u> for more information and latest news.

Go to File -> Preferences, then go to the Network section on the left-hand side. Press the green plus sign icon to create a NatNetwork and press Okay

🤌 VirtualBox - Pre	ferences		?	$\times$
General	Network			
/ Input	NAT Networks			~
🕑 Update	Active Name			
ら Language				1
Display				
Network				
Extensions				
Proxy				
		OK	Cance	el
VirtualBox - Pre	ferences		?	×
E General	Network			
Input	NAT Networks			
G Update	Active Name			
	✓ NatNetwork			
Language				100

Right-Click on either Virtual Machine and click Settings.

Go to the Network section and make sure the Network Adapter is Attached to: NAT Network with network name NatNetwork.

🥝 PNW-GenCyber-Ka	liLinux - Settings	?	$\times$
General	Network		
System	Adapter 1 Adapter 2 Adapter 3 Adapter 4		
Display	Enable Network Adapter		
Storage	Attached to: NAT Network		_
🕩 Audio	Name: NatNetwork  Advanced		•
Network			
Serial Ports			
🌽 USB			
Shared Folders			
User Interface			

Repeat the previous step for the other Virtual Machine

Double-Click or select a VM and press start to launch the VM Enter the user credentials if prompted: Kali Username: root Kali Password: toor

Windows Server 2012 Username: lab250 Windows Server 2012 Password: toor

Windows Server 2012: Open command prompt from the desktop and enter ipconfig The IPv4 Address should be: 10.0.2.4

C:\Users\lab250>ipconfig			
Windows IP Configuration			
Ethernet adapter Ethernet:			
Connection-specific DNS	Suffix	. :	pnw.edu
Link-local IPv6 Address		. :	fe80::a03a:41f4:dbcb:3371%15
IPv4 Address		. :	10.0.2.4
Subnet Mask		. :	255.255.255.0
Default Gateway		. :	10.0.2.1

Kali Linux:

Create a new terminal by right-clicking on the desktop and selecting open terminal here, or by pressing the terminal emulator button on the top left, and enter ifconfig The inet address should be: 10.0.2.15

