

Common Errors Encountered in Complete Ethical Hacking Bootcamp

Kali Linux Setup:

1) Virtual Box Error: **VT-x is disabled in BIOS for all CPU Modes**

- **This error is typically fixed by enabling virtualization inside your BIOS settings**

- To enable virtualization inside your BIOS, check out this article:

<https://bce.berkeley.edu/enabling-virtualization-in-your-pc-bios.html>

2) **Kali Linux Black Screen Error/Full Screen Error:**

- If you encounter issues trying to enter full screen mode in kali linux, this is typically fixed by navigating to the **Display Settings** of your Kali VM and increasing **Video Memory**

3) **Bridged Adapter Not Working:**

- If you find bridged adapter not working, there are few things you can do:

- Navigate to the VMs Network Settings and under the Advance Network Settings set **Cable Connected** option as checked and set Promiscuous mode to **Allow All**.

- If that didn't work, you can switch from Bridged Adapter to **NAT Network**. To use nat network, you must first create one. To create a nat network, navigate to the 3 lines/dots next to the Tools Tab in the Virtual Box Main Menu and select Network from there. Once a window opens up you will see NAT network settings where you will be able to create a nat network. Once NAT Network is created, make sure to select it for your Kali VM and for all the future VMs that we create in their Network Settings.

4) Drag and Drop Not Working:

- **This error you might encounter when trying to transfer files between your Kali VM and your Host Machine. There are 2 alternative ways you can transfer files if this error occurs to you:**

a) Transfer the files via USB - Plug in your USB in the Host Machine and then navigate to Devices tab in the upper left corner of your Kali VM Window and check your USB. After a few seconds your USB will be imported to your Kali VM.

b) Transfer the files with Apache2 Web server - this way can be used to transfer files from Kali to any vm on the same network. To transfer the desired files follow next steps:

b.1) transfer desired files to the /var/www/html directory

b.2) remove index.html file if it is located in the /var/www/html directory

b.3) start apache2 web server with "service apache2 start" command

b.4) Open browser from your Host Machine and type in Kali's IP Address in your search bar. If everything worked properly, it should open a page where you will have files from /var/www/html/ directory available for download

Linux Terminal & Commands:

1) Permission Denied Error:

- This error occurs once you try running a command which requires elevated privileges as a regular user. To solve this error, you must add "sudo" prefix to your command. For example "**nmap -sS 192.168.1.1**" will throw a Permission Denied Error, to avoid it you can run "**sudo nmap -sS 192.168.1.1**"

2) Ping Command Not Working:

- Most common reason pinging won't work is due to network issues. Double check first whether you have a proper IP address assigned to you by typing "ifconfig" in your terminal. Also test whether you are able to browse Firefox from Kali Linux. If you both get an IP address and are able to browse Firefox then try running this command:
"**ping -4 google.com**"