Wireless Penetration Testing Installation and Configuration

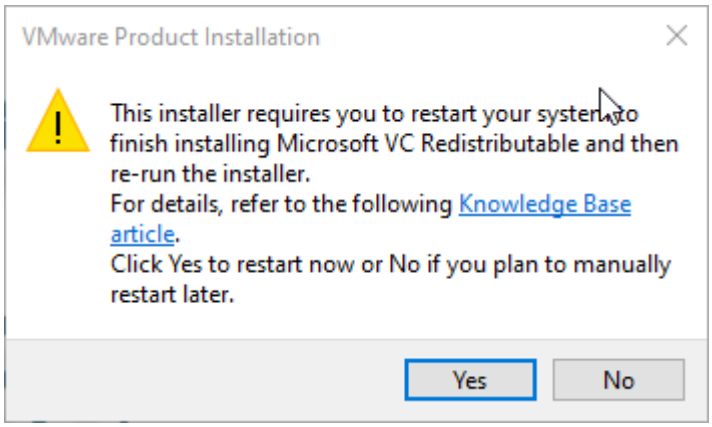
Network adapter: TP-LINK TL-WN722N

Emag download link: https://www.emag.ro/adaptor-wireless-tp-link-usb-2-0-tl-wn722n/pd/E8RV7BBBM/

I have chosen this wireless adapter because of monitor mode and packet injection capabilities that will help us in further testing the security of wireless networks.

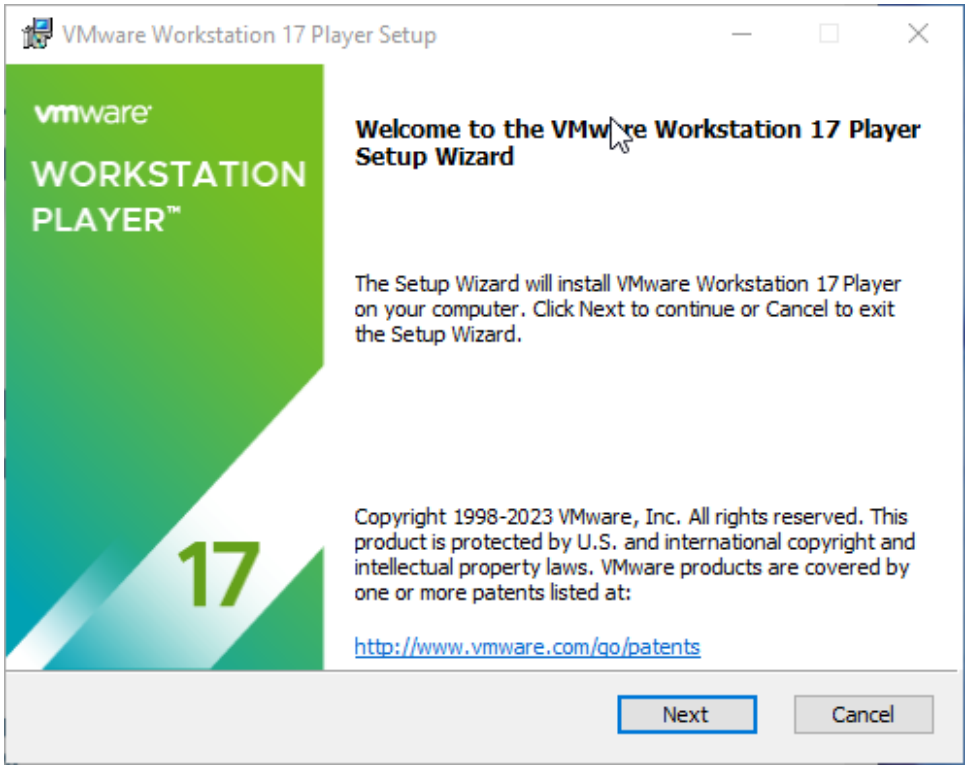
Kali virtual machine download link: https://zsecurity.org/download-custom-kali/

Vmware workstation player download link: https://customerconnect.vmware.com/en/downloads/details?downloadGroup=WKST-PLAYER-1701&productId=1377&rPId=100675

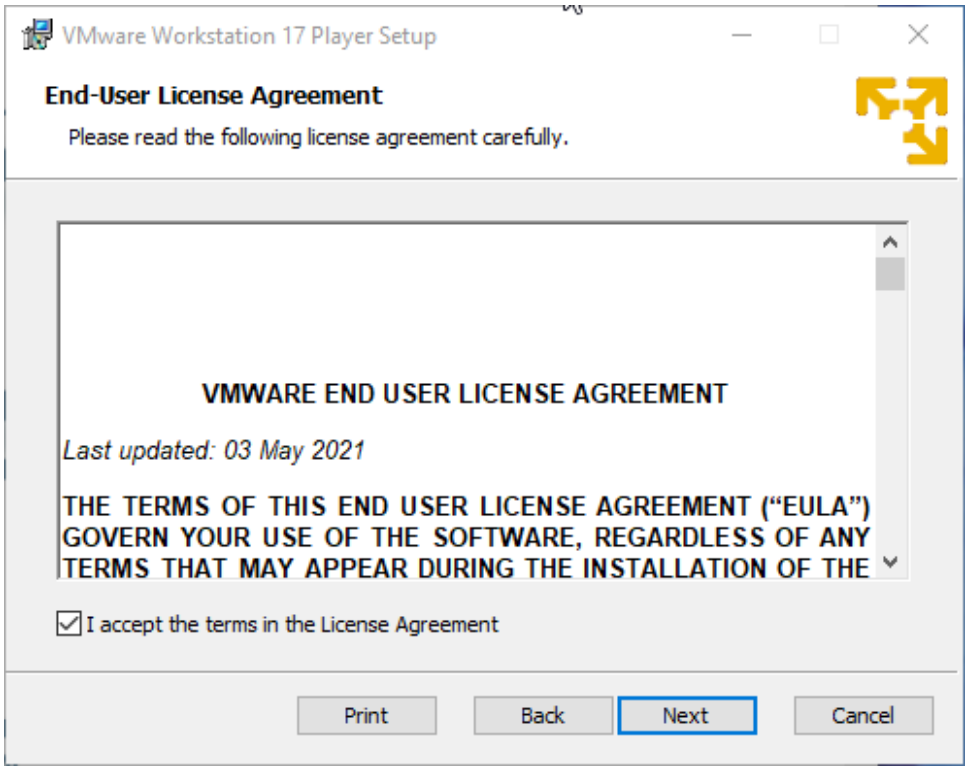


Restart computer.

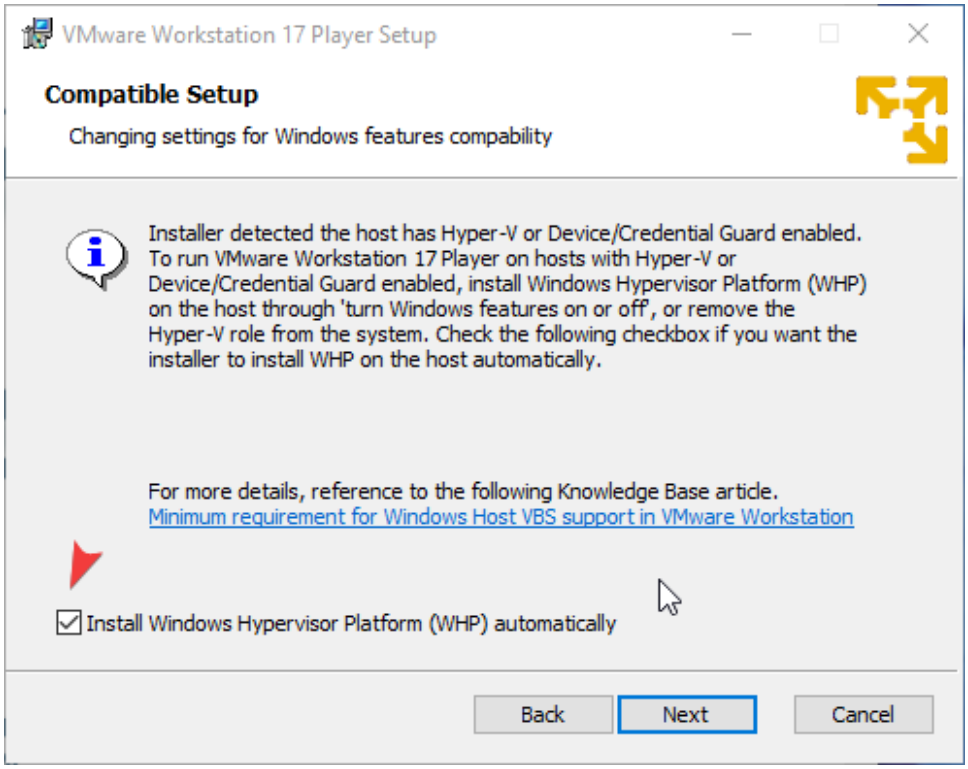
Re-run installer.



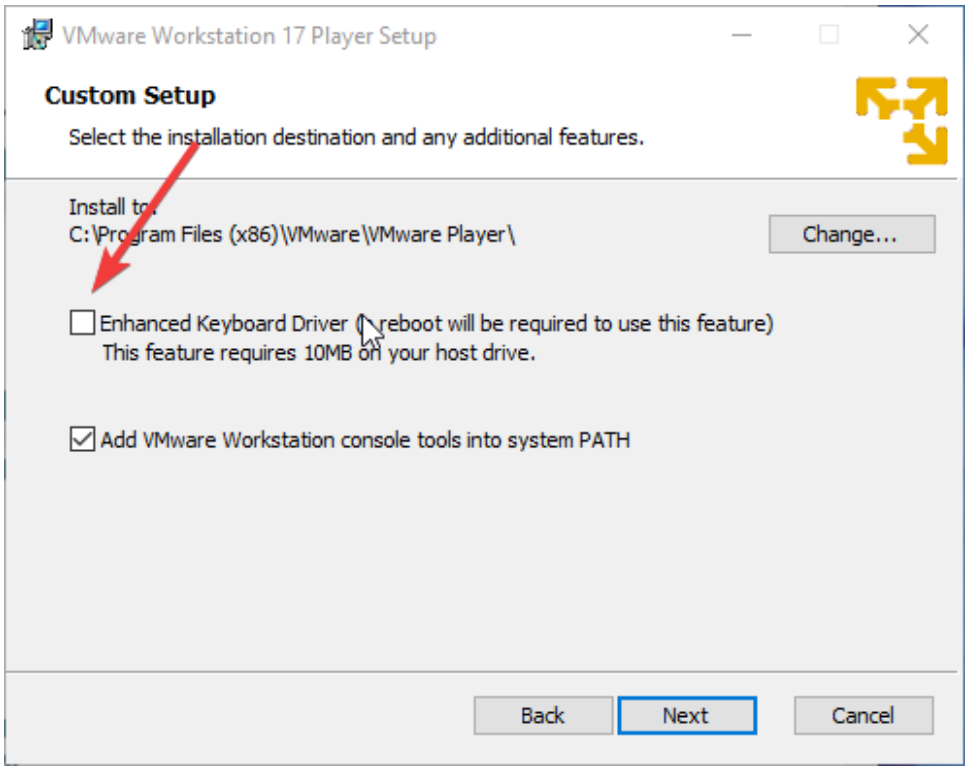
Accept terms.



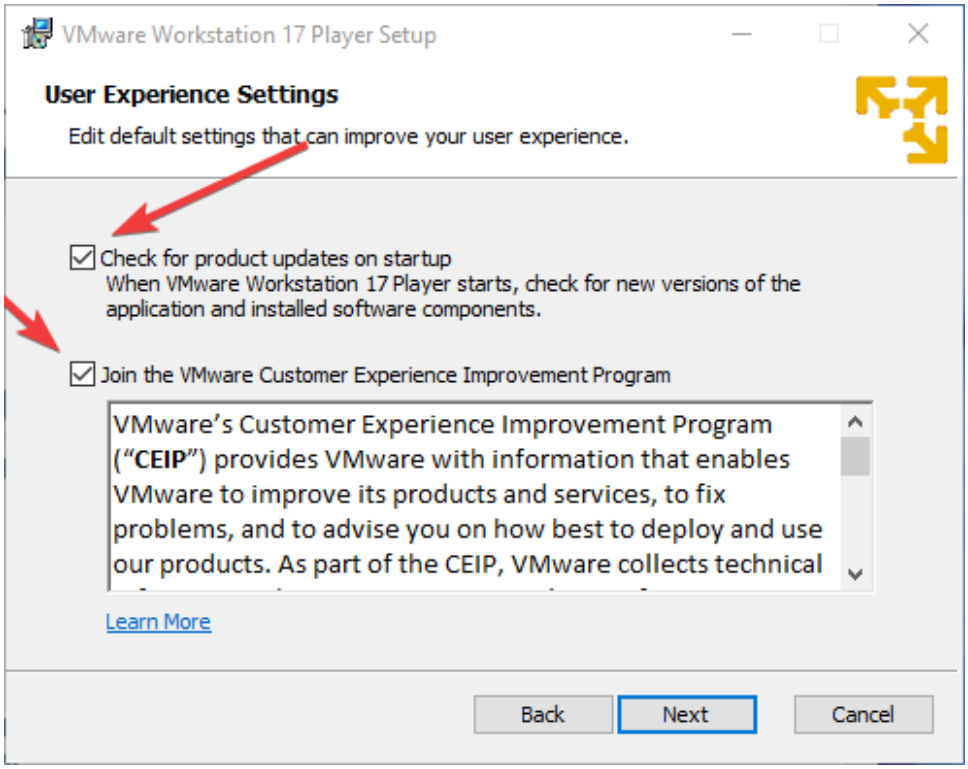
Install WHP.

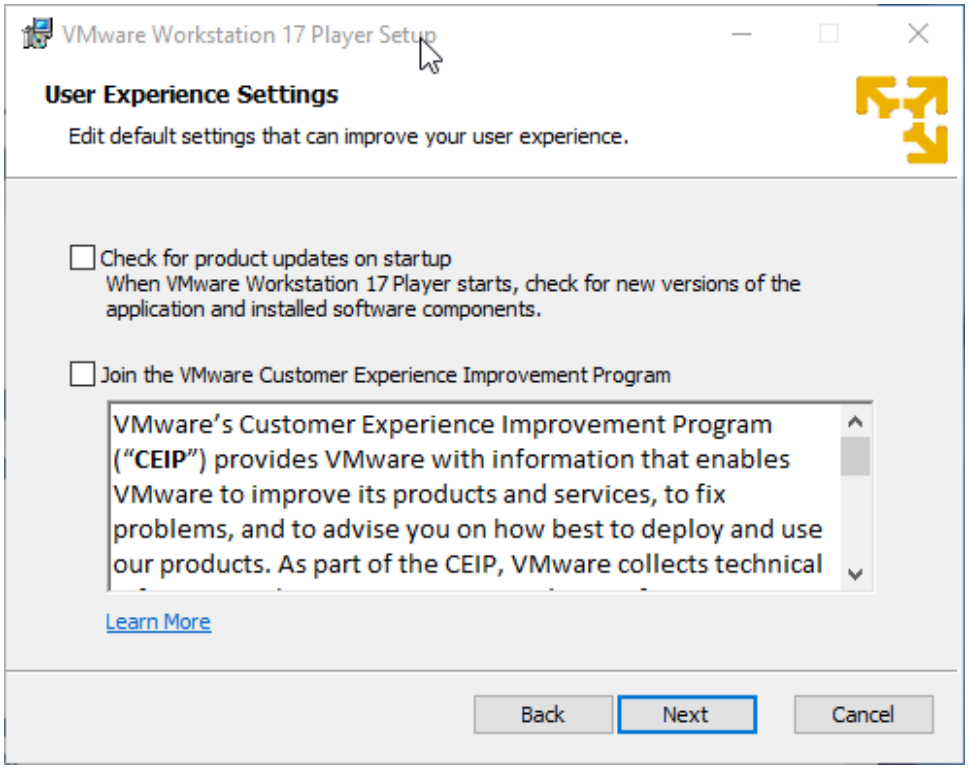


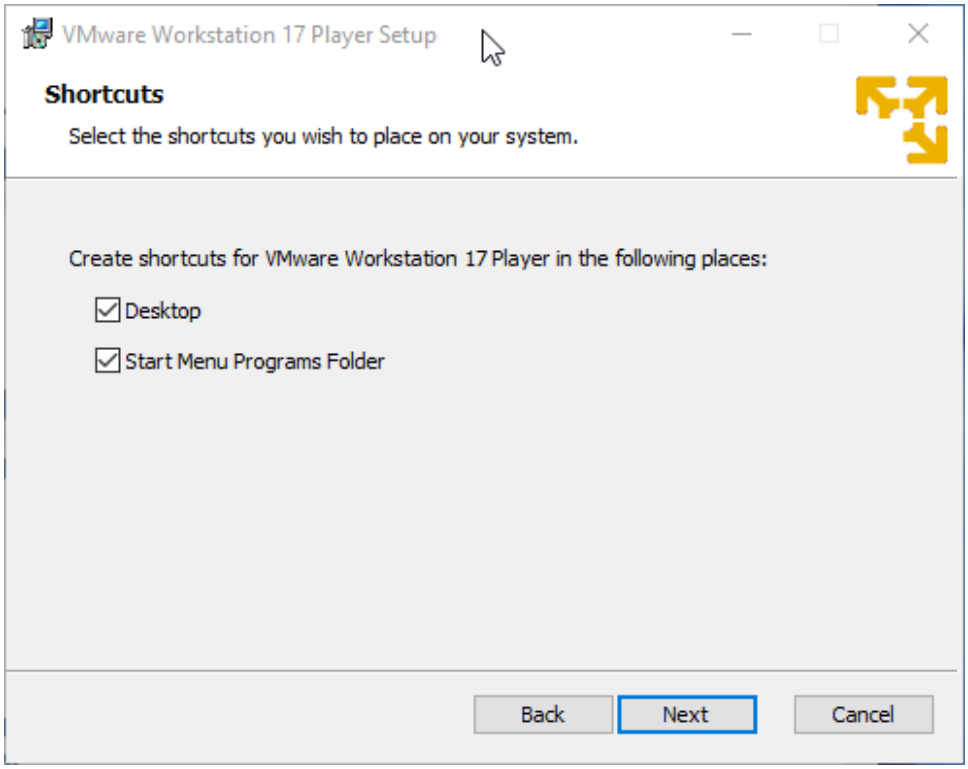
Enable Enhaced Keyboard Driver.

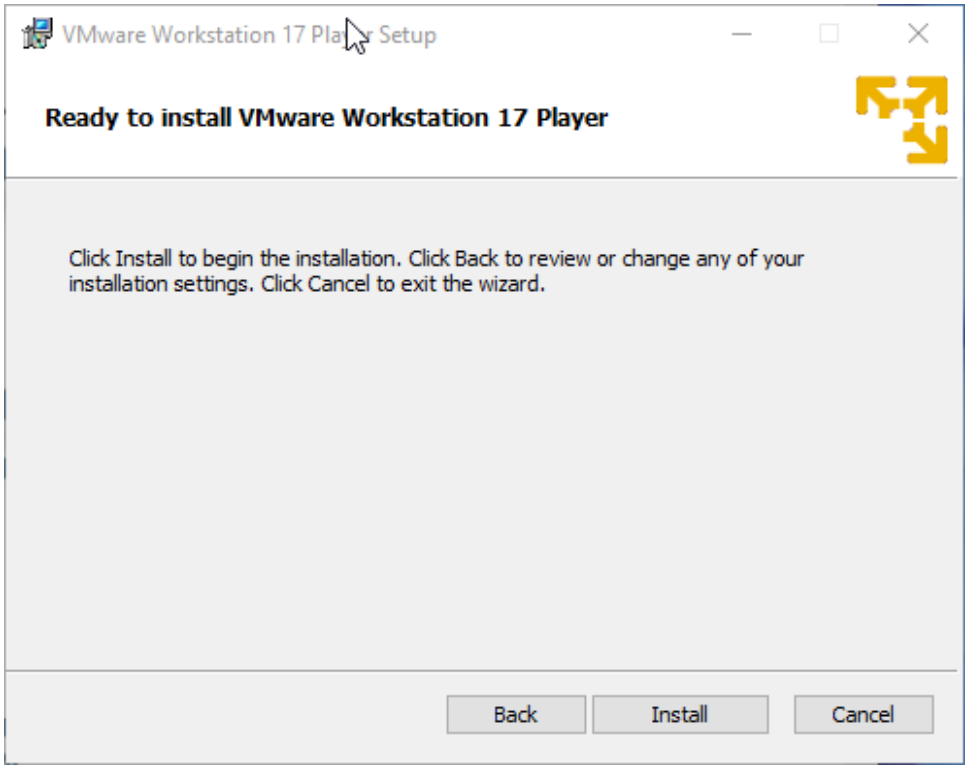


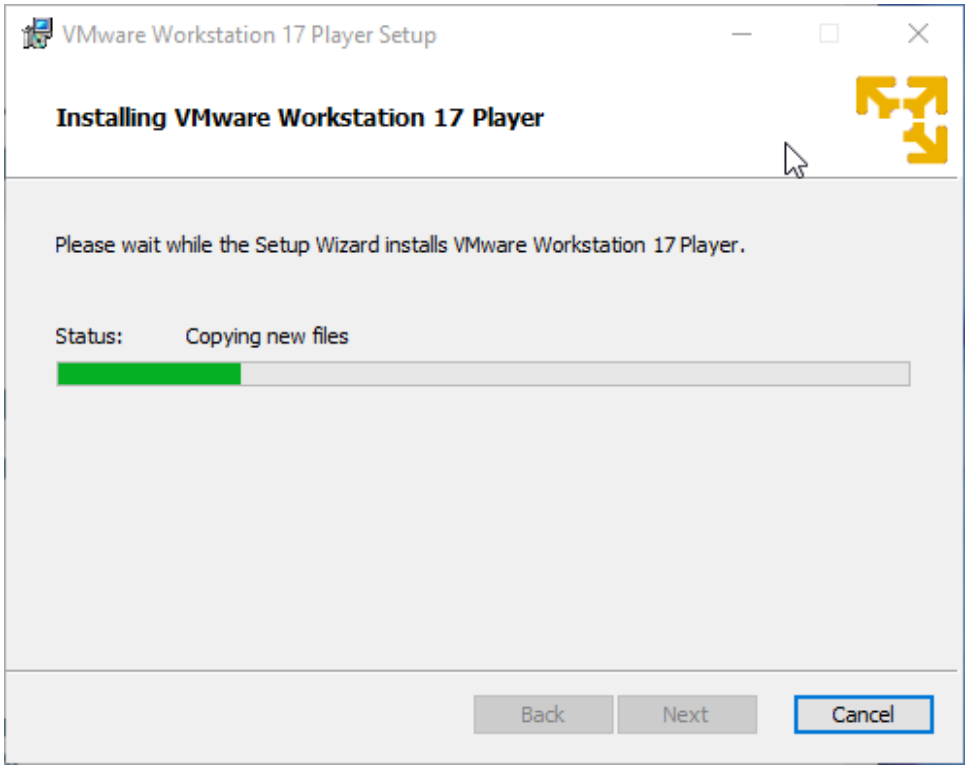
Disable both.

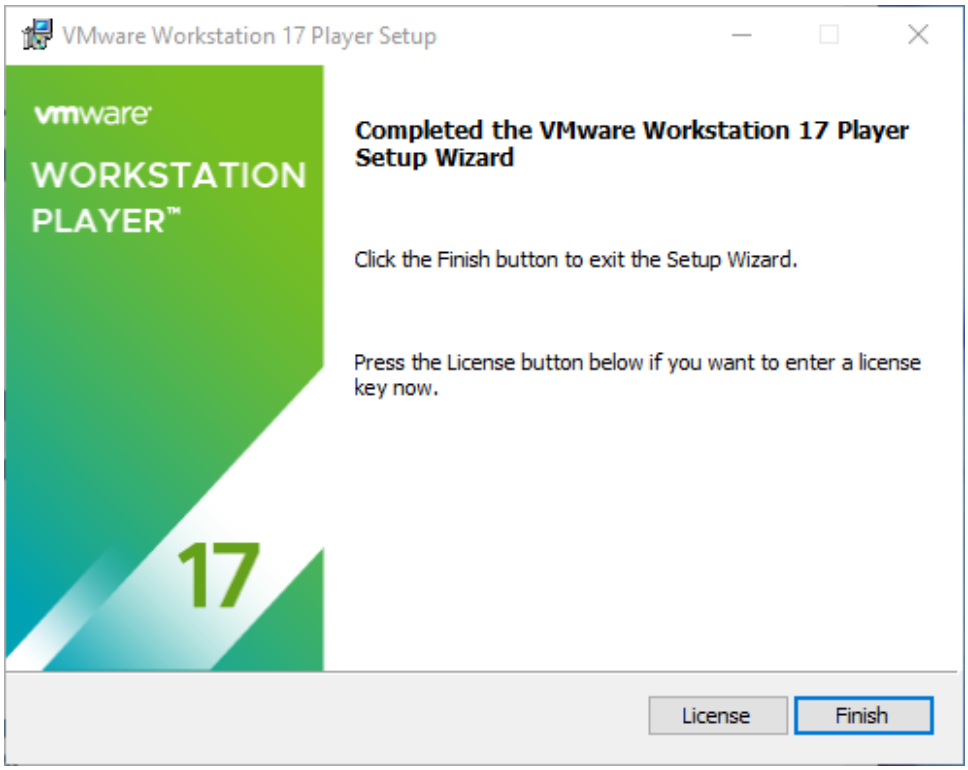




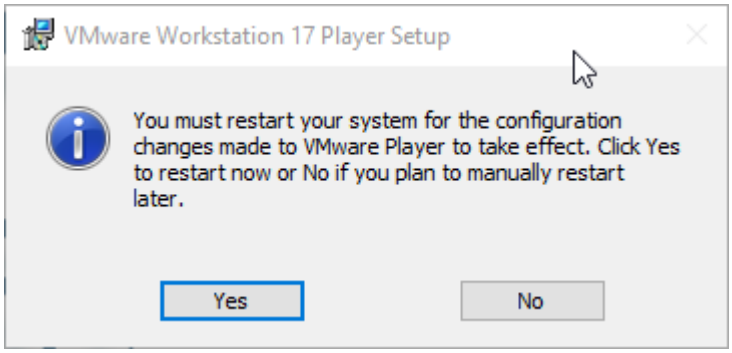

VMware Workstation 17 Player Setup
Shortcuts
Select the shortcuts you wish to place on your system.
Create shortcuts for VMware Workstation 17 Player in the following places:
Desktop
Start Menu Programs Folder
Back
Next
Cancel


VMware Workstation 17 Player Setup
Ready to install VMware Workstation 17 Player
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Install
Cancel

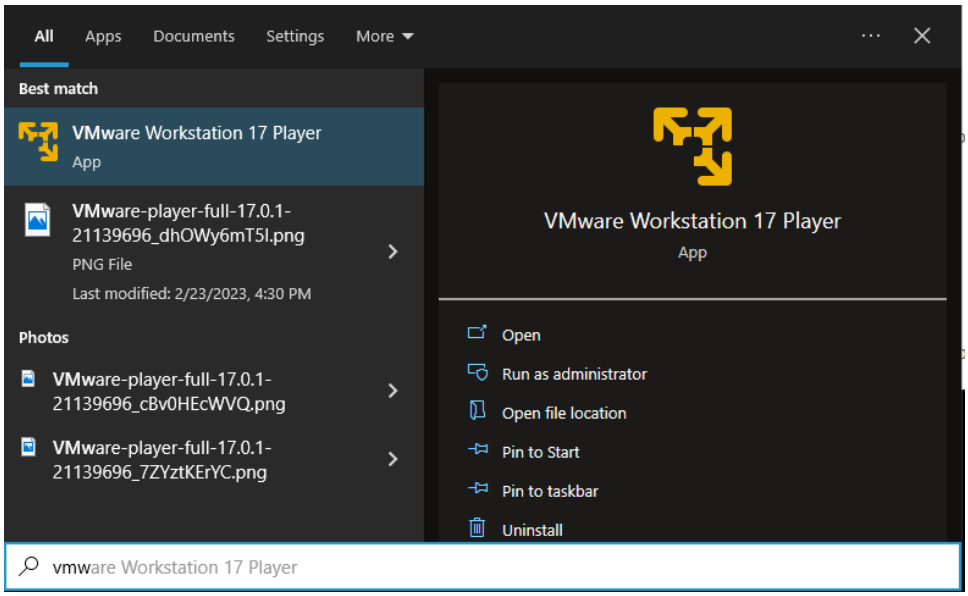

VMware Workstation 17 Player Setup
Installing VMware Workstation 17 Player
Please wait while the Setup Wizard installs VMware Workstation 17 Player.
Status: Copying new files
Back
Next
Cancel


VMware Workstation 17 Player Setup
vmware
WORKSTATION
PLAYER™
17
Completed the VMware Workstation 17 Player Setup Wizard
Click the Finish button to exit the Setup Wizard.
Press the License button below if you want to enter a license key now.
License
Finish

Restart.

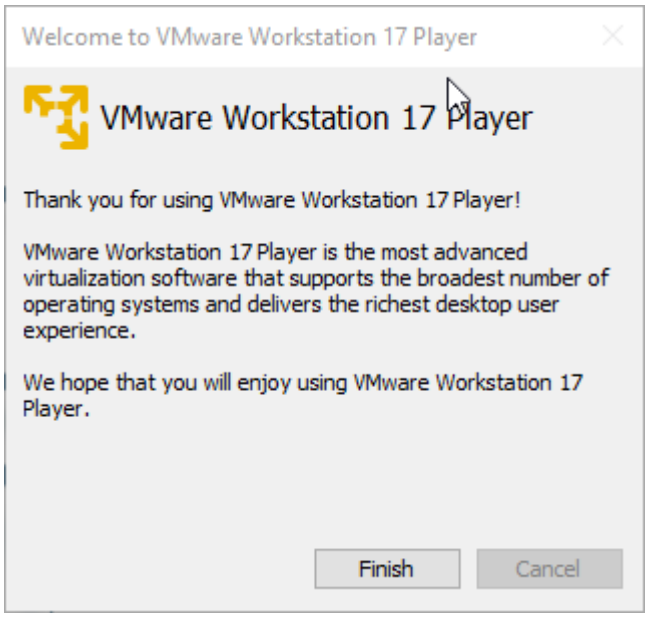


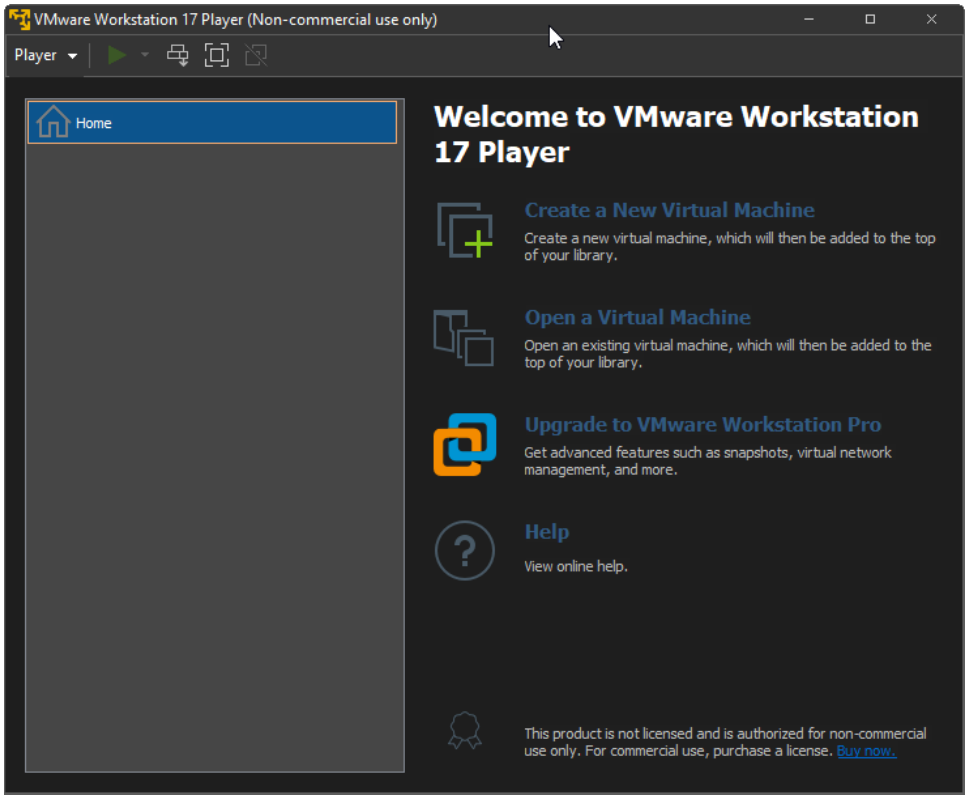
Search for VMware Workstation.



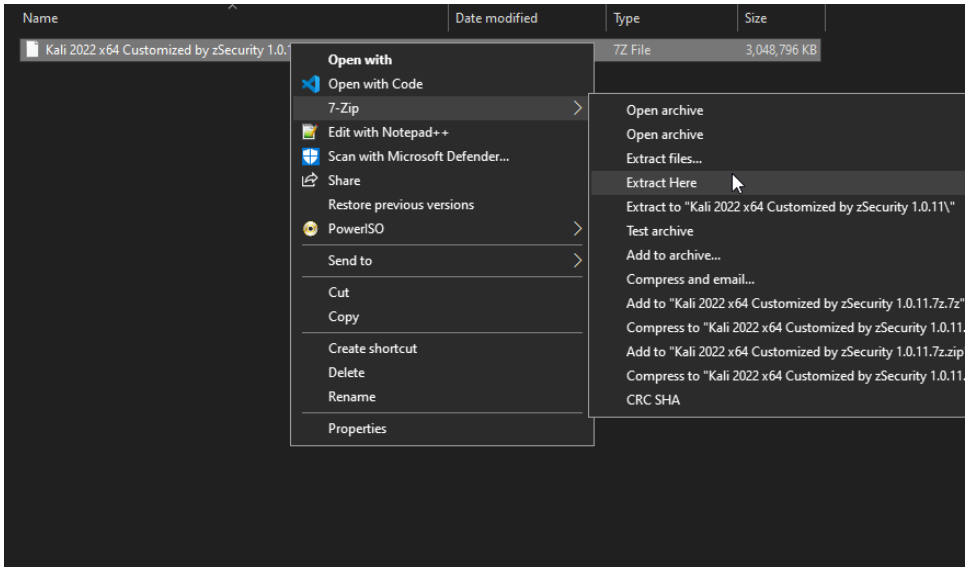
Non-commercial use.

Welcome to VMware Workstation 17 Player
VMware Workstation 17 Player
Use VMware Workstation 17 Player for free for non-commercial use
Enter a license key to allow commercial use:
- - - -
Buy a commercial use license
Continue
Cancel


Welcome to VMware Workstation 17 Player
VMware Workstation 17 Player
Thank you for using VMware Workstation 17 Player!
VMware Workstation 17 Player is the most advanced virtualization software that supports the broadest number of operating systems and delivers the richest desktop user experience.
We hope that you will enjoy using VMware Workstation 17 Player.
Finish
Cancel


VMware Workstation 17 Player (Non-commercial use only)
Player
Home
Welcome to VMware Workstation 17 Player
Create a New Virtual Machine
Create a new virtual machine, which will then be added to the top of your library.
Open a Virtual Machine
Open an existing virtual machine, which will then be added to the top of your library.
Upgrade to VMware Workstation Pro
Get advanced features such as snapshots, virtual network management, and more.
Help
View online help.
This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. Buy now.

Unarchive.


Name
Date modified
Type
Size
Kali 2022 x64 Customized by zSecurity 1.0.
7Z File
3,048,796 KB
Open with
Open with Code
7-Zip
Edit with Notepad++
Scan with Microsoft Defender...
Share
Restore previous versions
PowerISO
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties
Open archive
Open archive
Extract files...
Extract Here
Extract to "Kali 2022 x64 Customized by zSecurity 1.0.11\"
Test archive
Add to archive...
Compress and email...
Add to "Kali 2022 x64 Customized by zSecurity 1.0.11.7z.7z"
Compress to "Kali 2022 x64 Customized by zSecurity 1.0.11.
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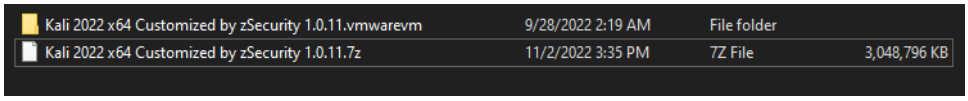
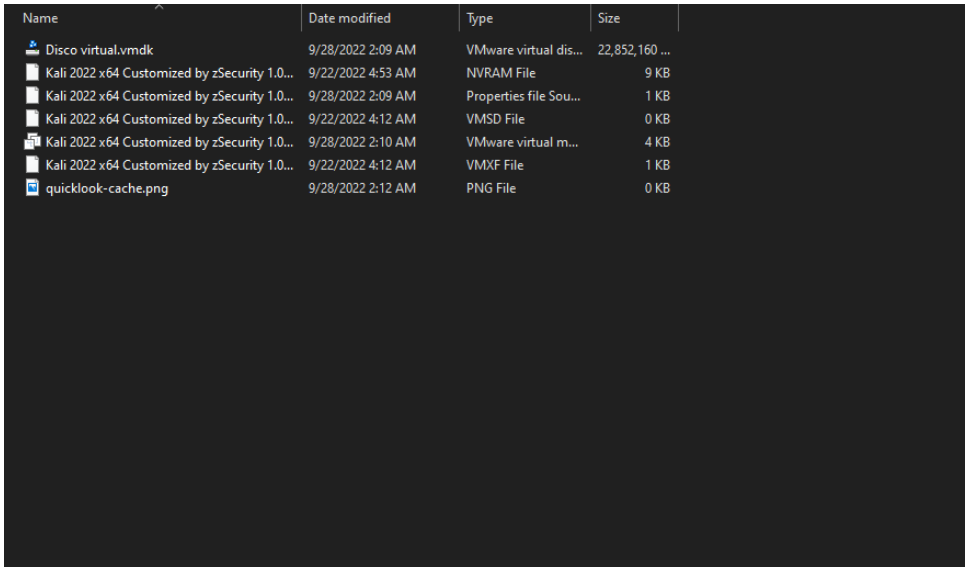
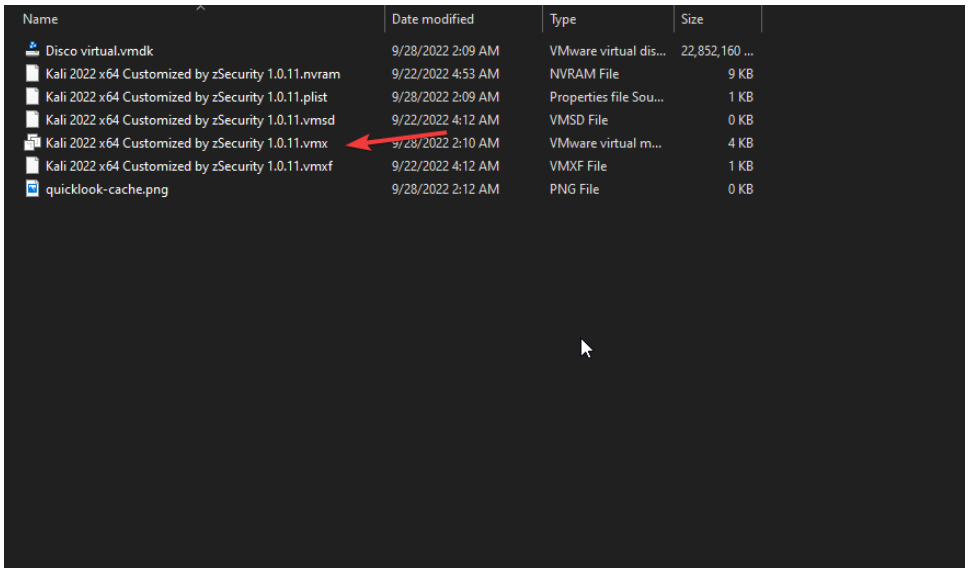
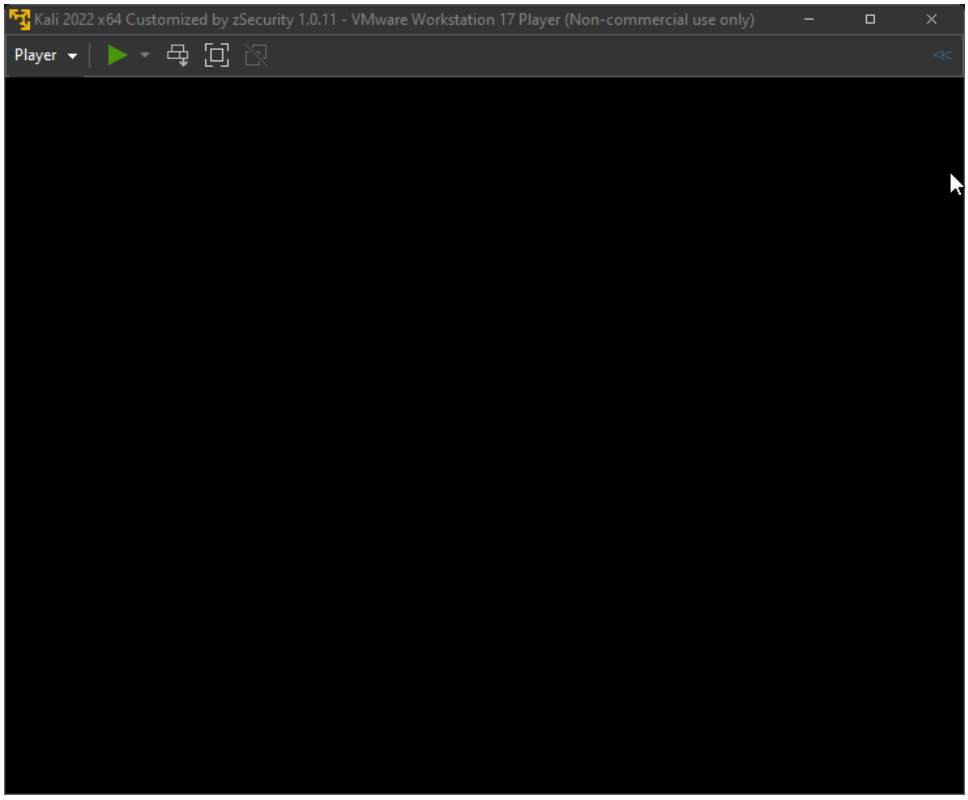
Compress to "Kali 2022 x64 Customized by zSecurity 1.0.11.
CRC SHA

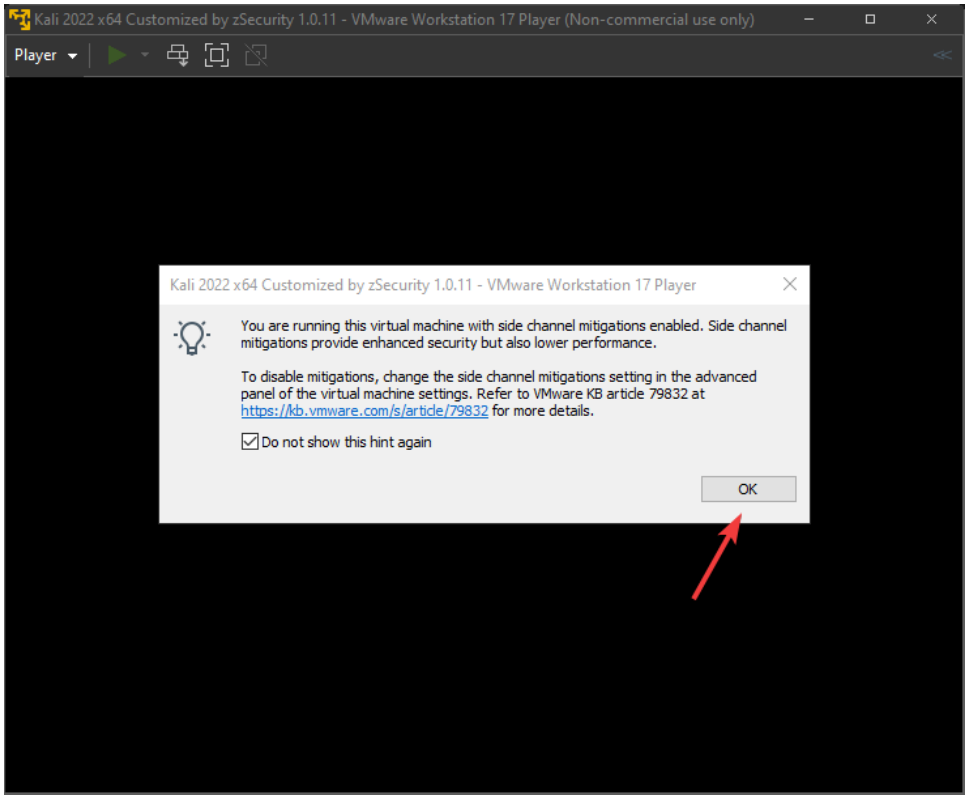

Kali 2022 x64 Customized by zSecurity 1.0.11.vmwarevm
9/28/2022 2:19 AM
File folder
Kali 2022 x64 Customized by zSecurity 1.0.11.7z
11/2/2022 3:35 PM
7Z File
3,048,796 KB

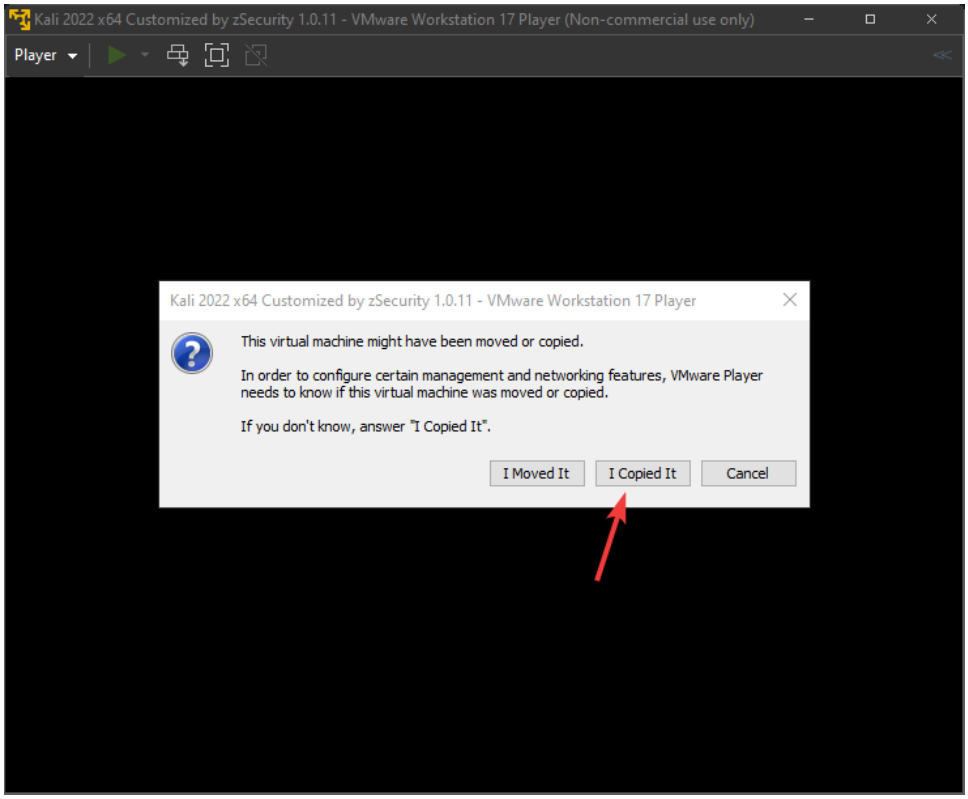


Double click to import virtual machine.




Kali 2022 x64 Customized by zSecurity 1.0.11 - VMware Workstation 17 Player (Non-commercial use only)
Player

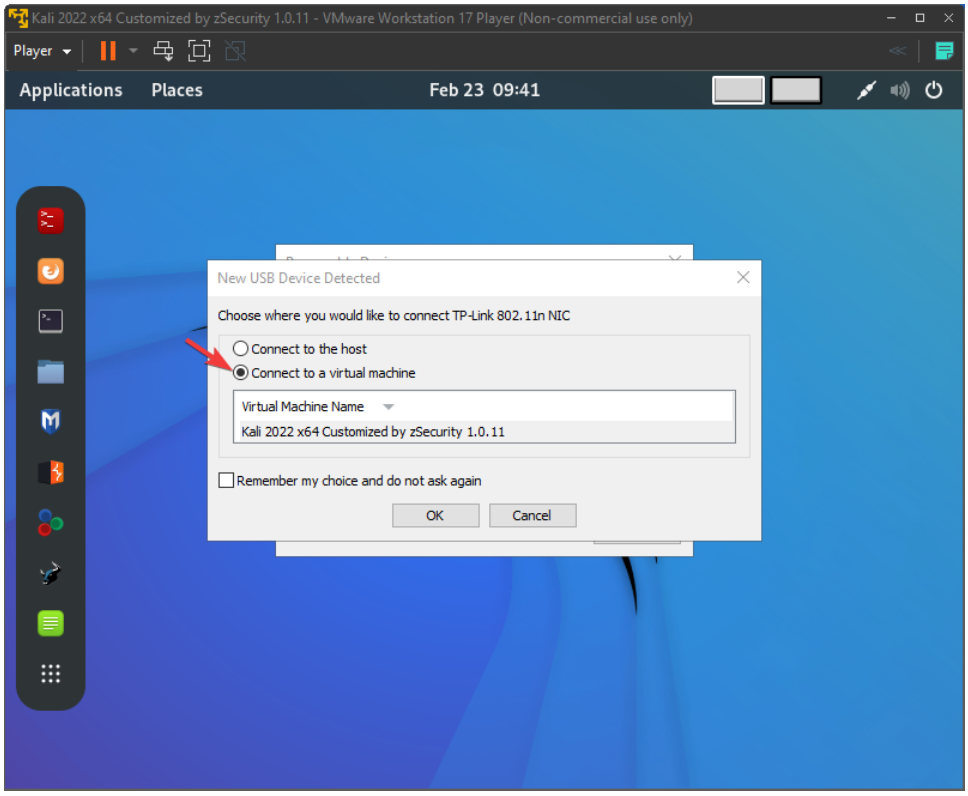

Kali 2022 x64 Customized by zSecurity 1.0.11 - VMware Workstation 17 Player (Non-commercial use only)
Player
Kali 2022 x64 Customized by zSecurity 1.0.11 - VMware Workstation 17 Player
You are running this virtual machine with side channel mitigations enabled. Side channel mitigations provide enhanced security but also lower performance.
To disable mitigations, change the side channel mitigations setting in the advanced panel of the virtual machine settings. Refer to VMware KB article 79832 at https://kb.vmware.com/s/article/79832 for more details.
Do not show this hint again
OK

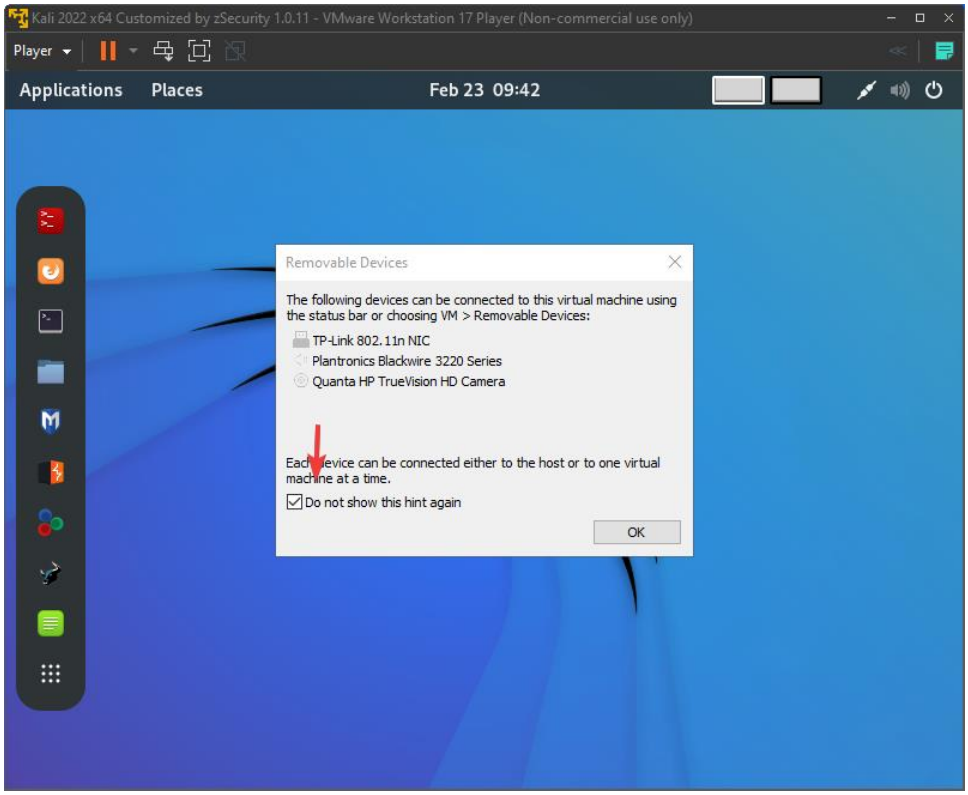


Let it setup.

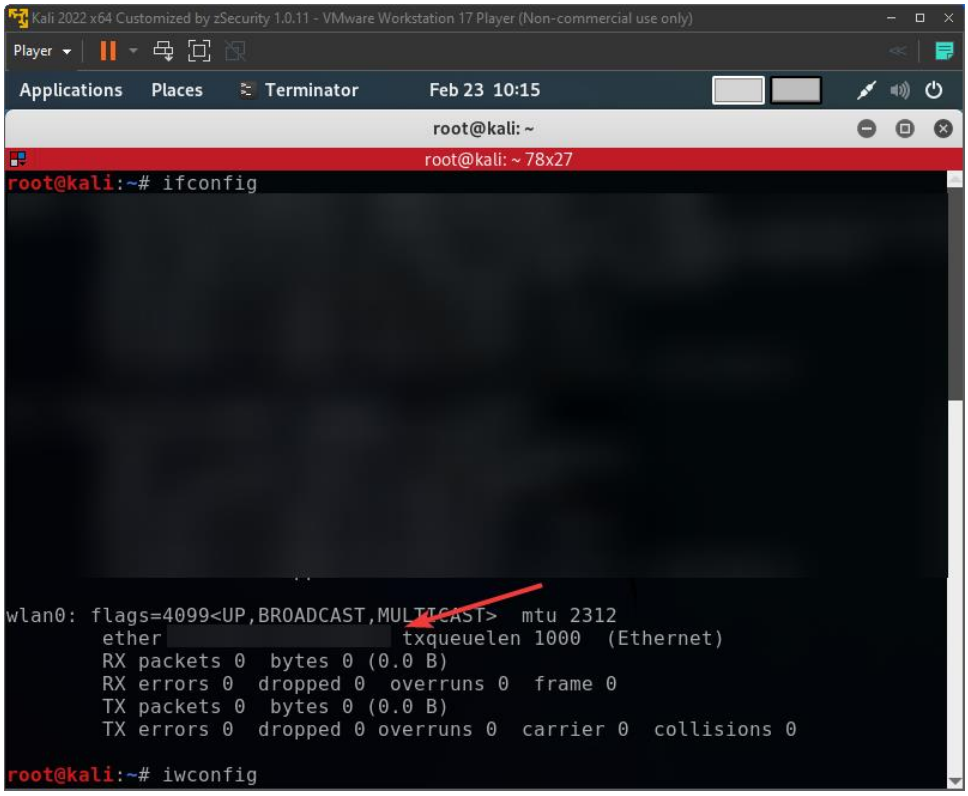
Username/password: root/toor.

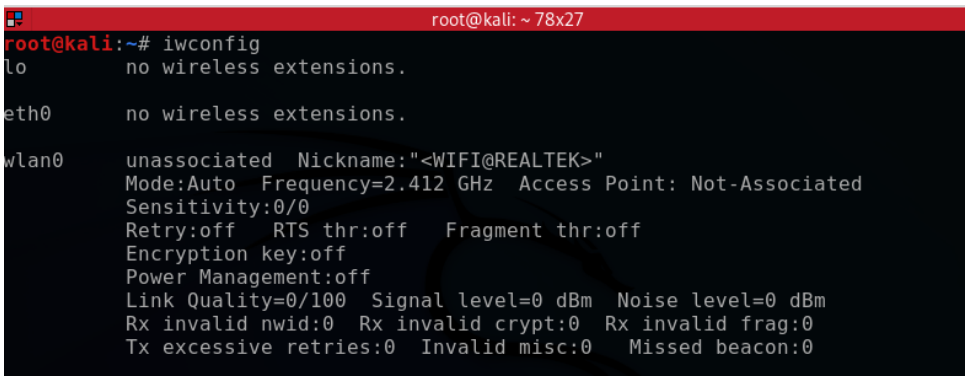
Input network interface card into the system and connect it directly to the virtual machine.



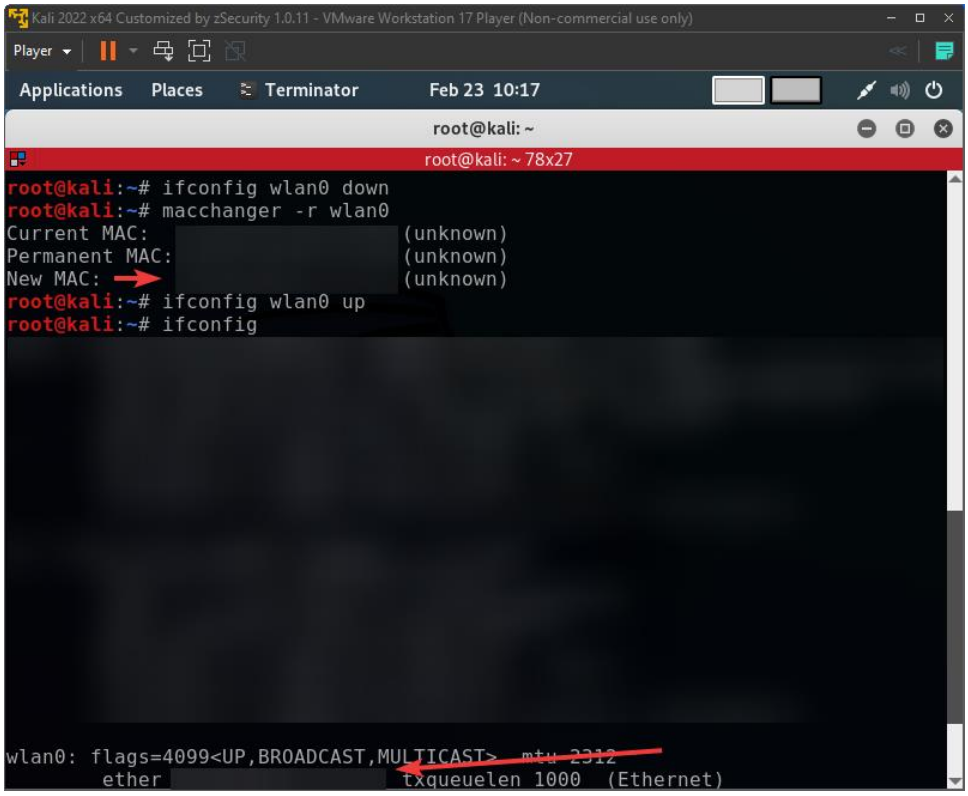


Check Wireless NIC MAC.





Change MAC address for further testing. The MAC will be reverted upon system shutdown or restart, make sure you change your MAC address when you are testing the security of a wireless network.


Kali 2022 x64 Customized by zSecurity 1.0.11 - VMware Workstation 17 Player (Non-commercial use only)
Player
Applications
Places
Terminator
Feb 23 10:17
root@kali: ~
root@kali: ~ 78x27
root@kali:~# ifconfig wlan0 down
root@kali:~# macchanger -r wlan0
Current MAC: (unknown)
Permanent MAC: (unknown)
New MAC: (unknown)
root@kali:~# ifconfig wlan0 up
root@kali:~# ifconfig
wlan0: flags=4099<UP,BROADCAST,MULTICAST> mtu 2312
ether txqueuelen 1000 (Ethernet)