



Install WHONIX

Whonix Requirements

Requirements:

- A Windows 11 computer or an Apple Mac
- VirtualBox installed



Why Whonix?

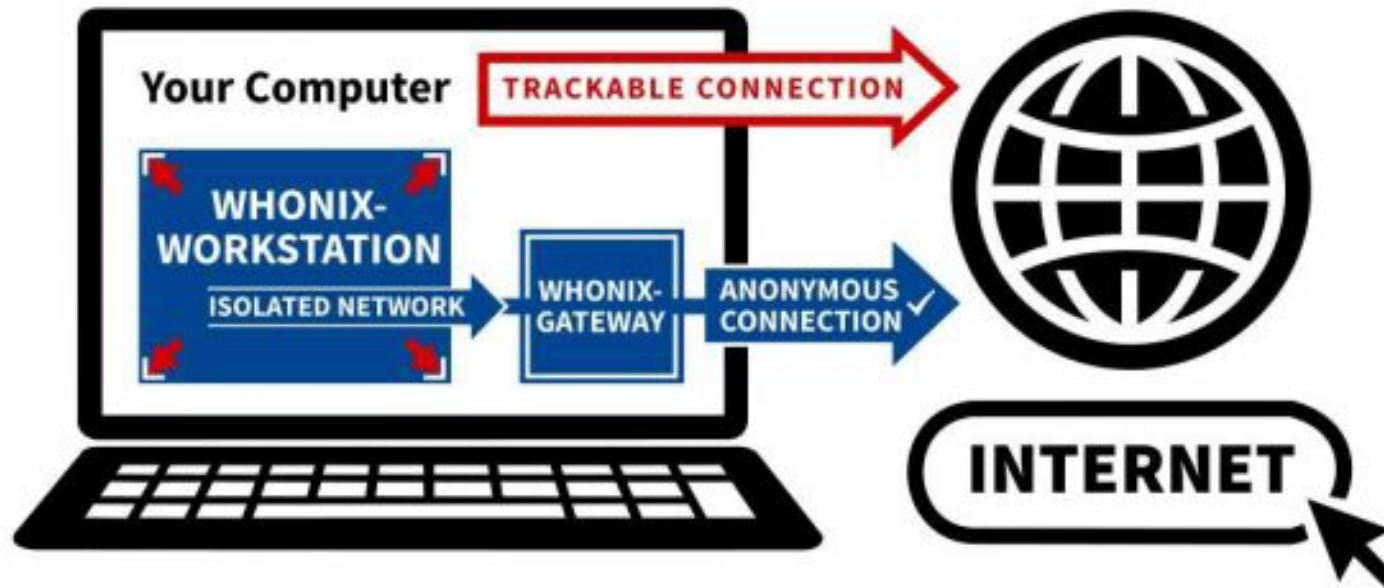
Why should you use Whonix?

- All internet traffic from your VM is routed through the Tor anonymity network, providing you the best possible protection for your IP address.
- You can be identified by your IP address, and hiding it is challenging. Whonix forces all connections through multiple anonymity servers, utilizing its unique Dual-VM architecture.
- The vast majority of users have unique browser configurations giving you a unique fingerprint just by the way you configured your browser. Whonix by lowering the number of bits of information to an acceptable lower bound; means that a lot of other browsers will share the same fingerprint.
- Whonix is based on Kicksecure which is a security hardened operating system.
- Your keystrokes can be used to identify you. Whonix has a keystroke anonymizer (kloak) built-in.



Why Whonix?

Whonix Anonymity Architecture

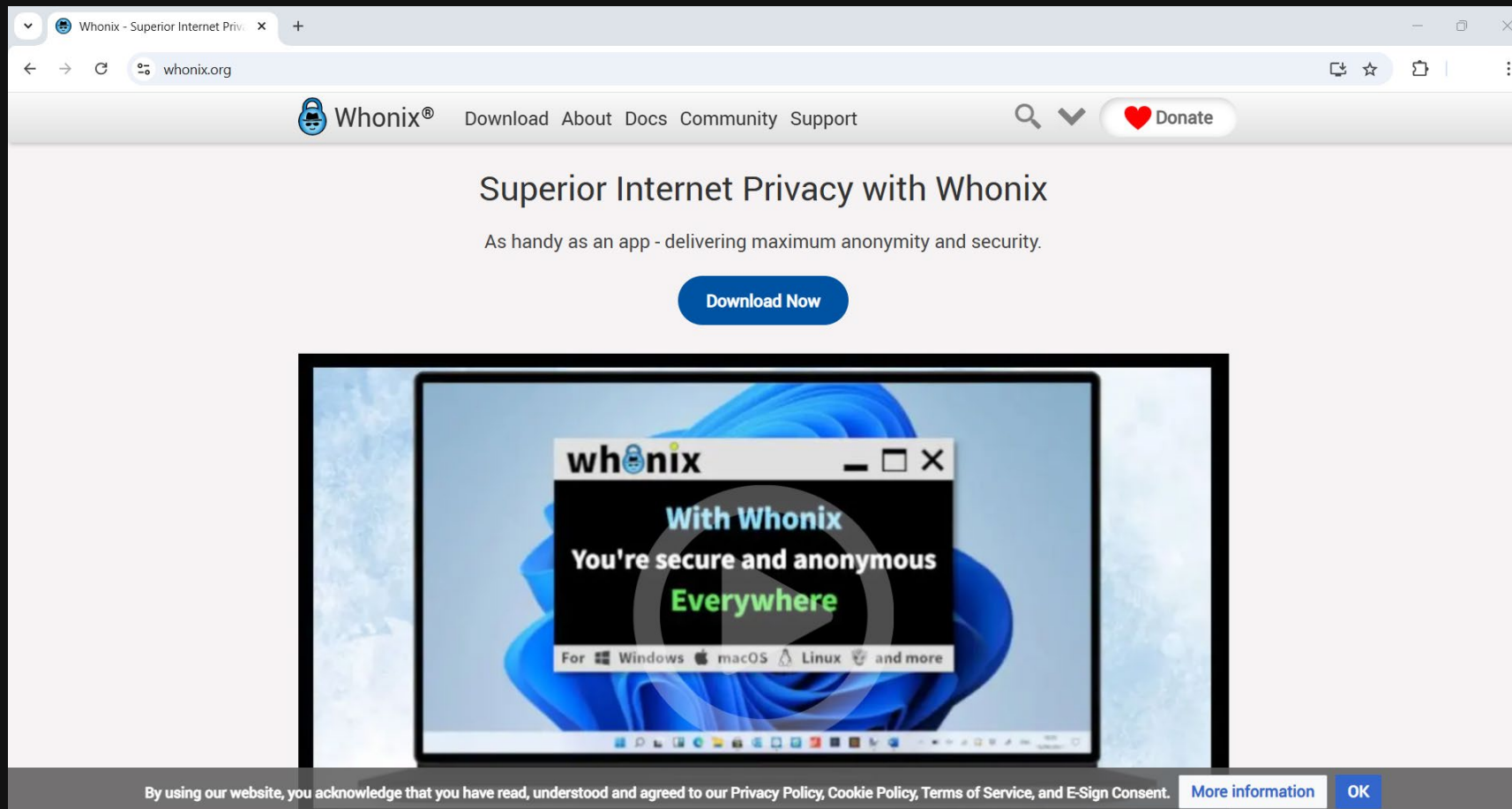


The red arrows  indicate that misbehaving / leaky applications can't break out of **Whonix-Workstation**.

All network connections  are forced to go through **Whonix-Gateway** where they are torified and routed to the Internet.

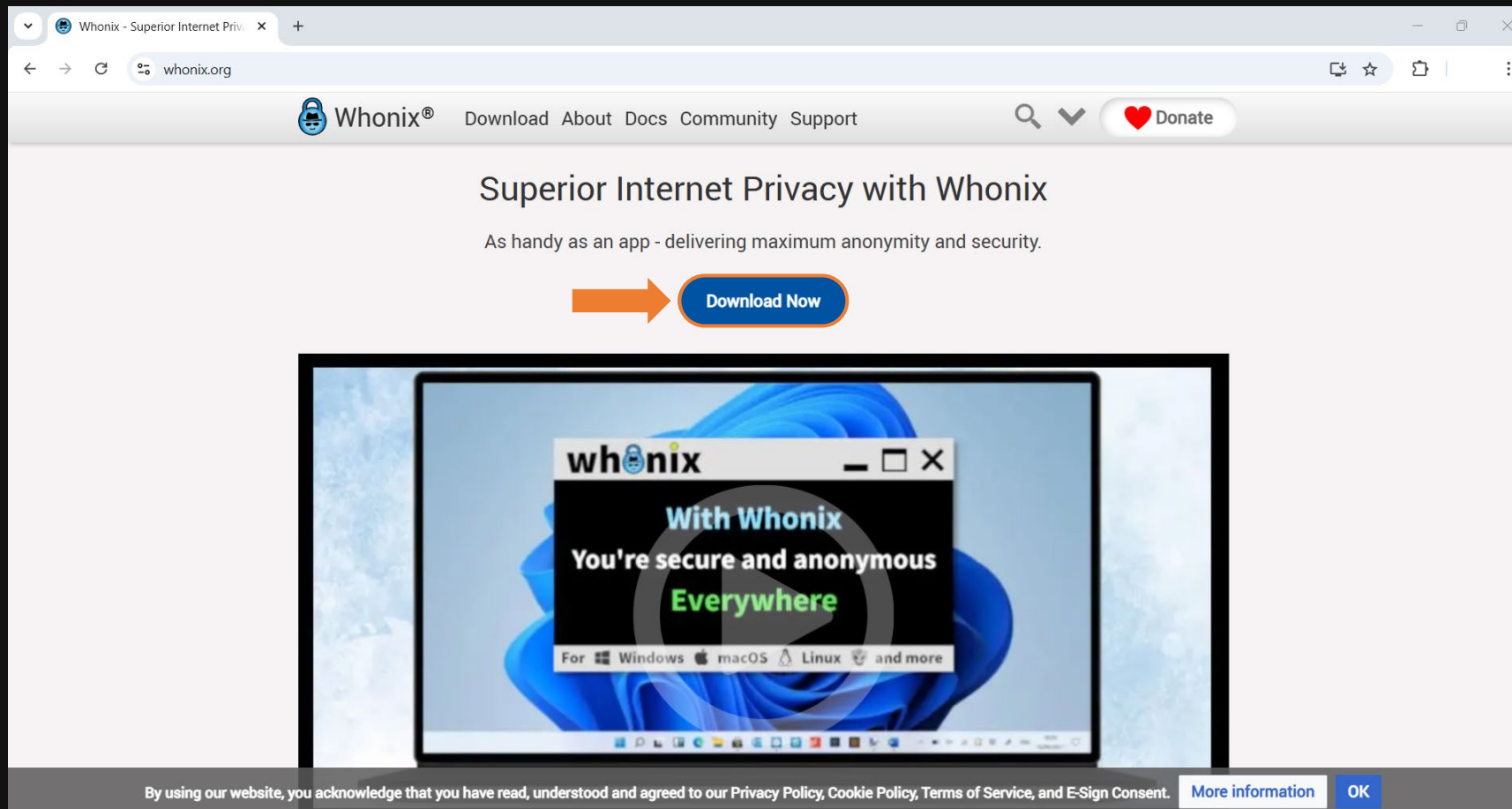
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1. Go to the following website: <https://www.whonix.org/>



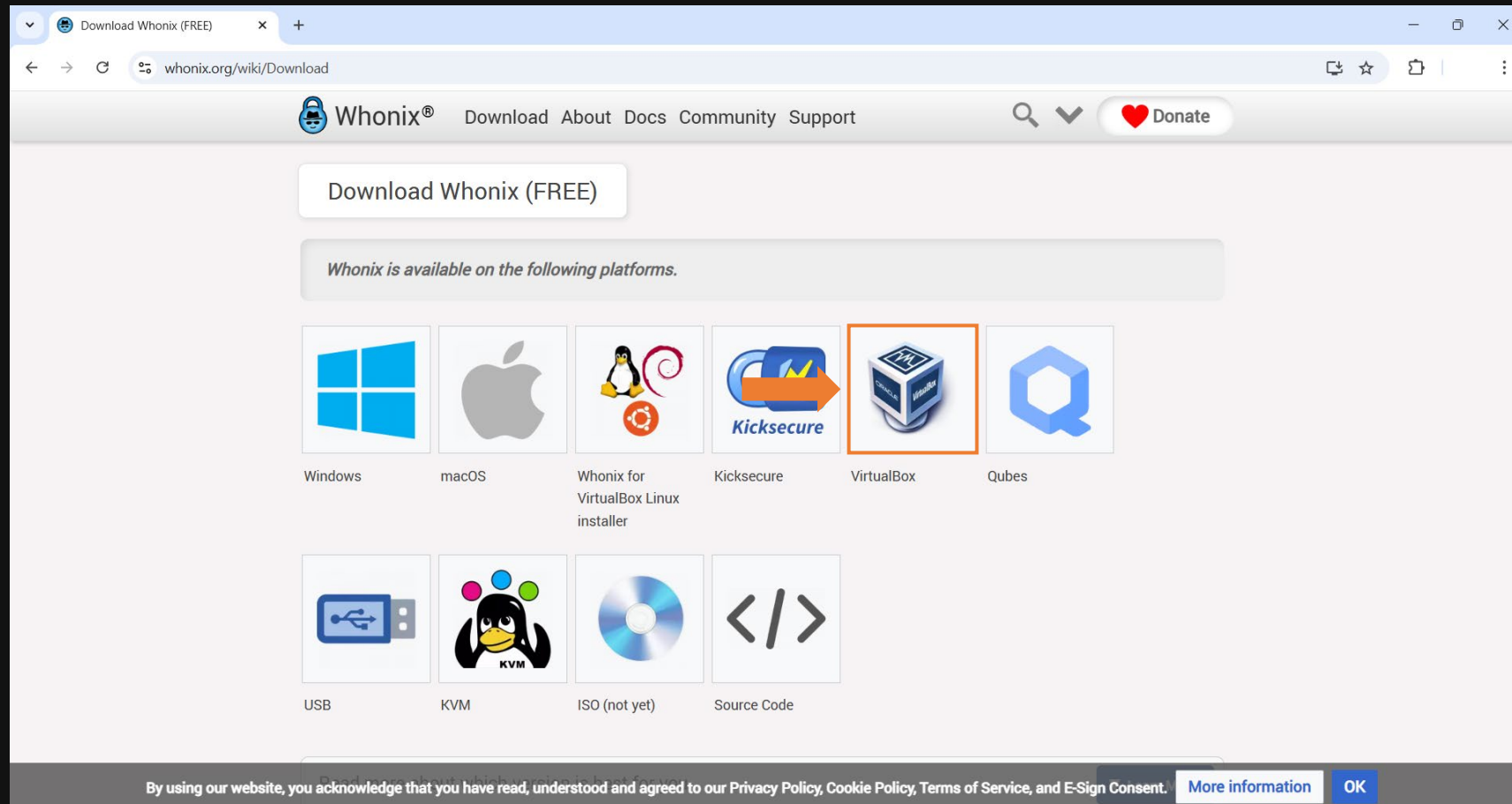
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2. Click on **Download Now**.



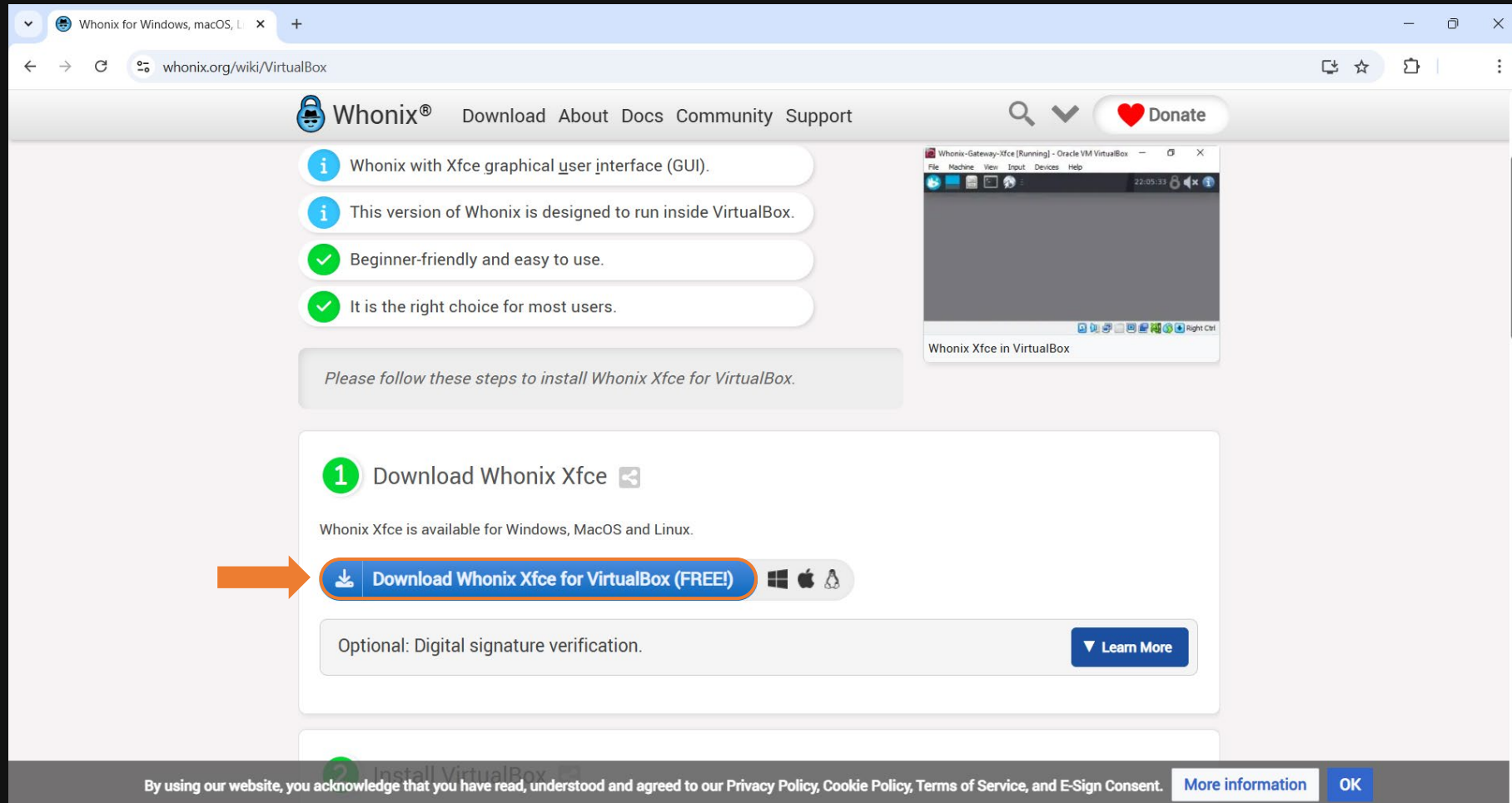
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3. We are going to select VirtualBox.



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4. Click on **Download Whonix Xfce for VirtualBox (FREE)**



The screenshot shows the Whonix website's download page for VirtualBox. The page features a navigation bar with links for Download, About, Docs, Community, and Support, along with a search icon and a 'Donate' button. A list of features for Whonix Xfce is displayed, including its GUI, VirtualBox compatibility, and ease of use. A prominent orange arrow points to the 'Download Whonix Xfce for VirtualBox (FREE!)' button, which is highlighted with a blue border. Below this button, there is an optional section for digital signature verification with a 'Learn More' link. The page also includes a footer with a disclaimer and links for more information and OK.

Whonix® Download About Docs Community Support

Whonix with Xfce graphical user interface (GUI).

This version of Whonix is designed to run inside VirtualBox.

Beginner-friendly and easy to use.

It is the right choice for most users.

Please follow these steps to install Whonix Xfce for VirtualBox.

1 Download Whonix Xfce

Whonix Xfce is available for Windows, MacOS and Linux.

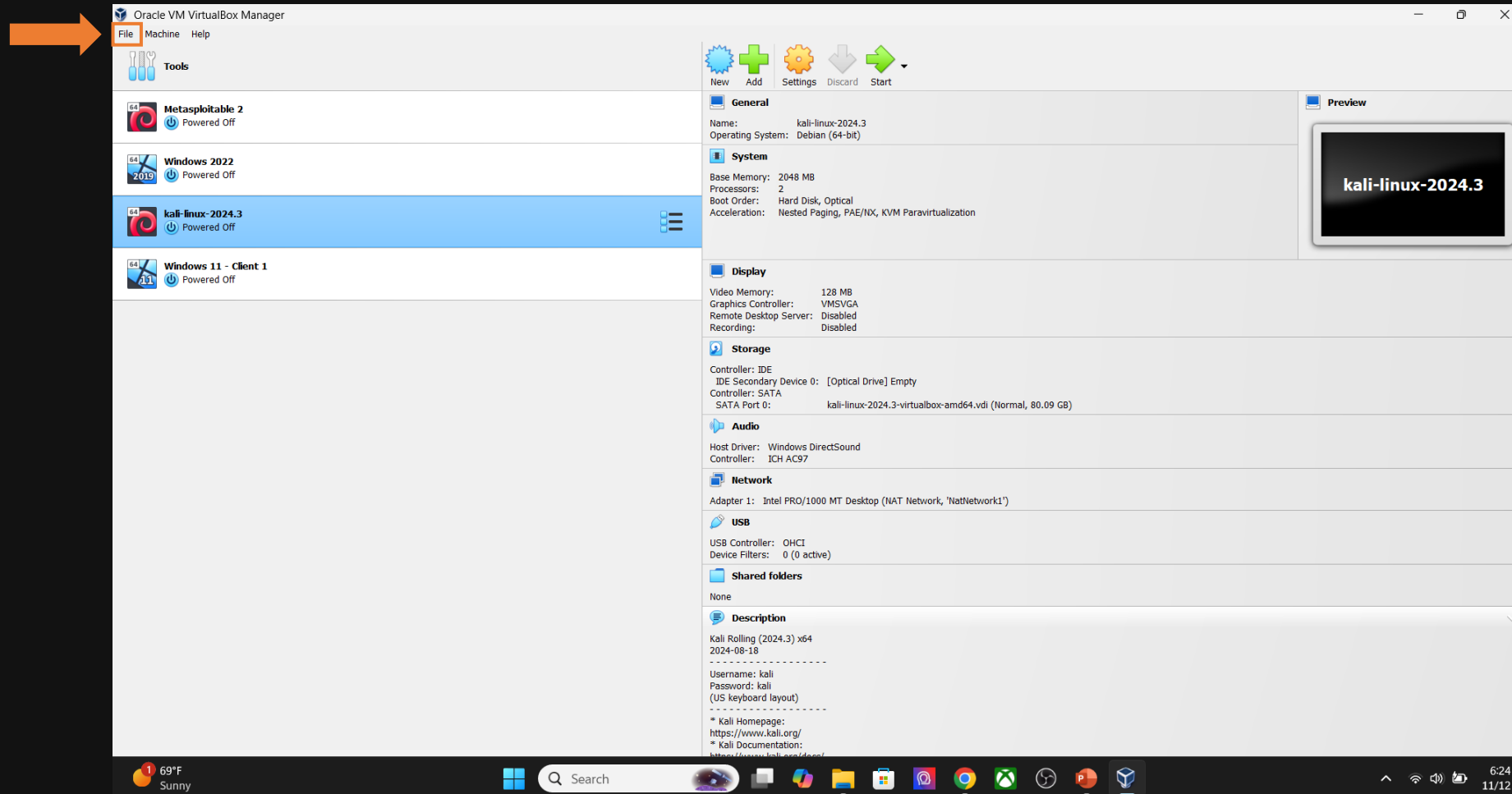
Download Whonix Xfce for VirtualBox (FREE!)

Optional: Digital signature verification. [Learn More](#)

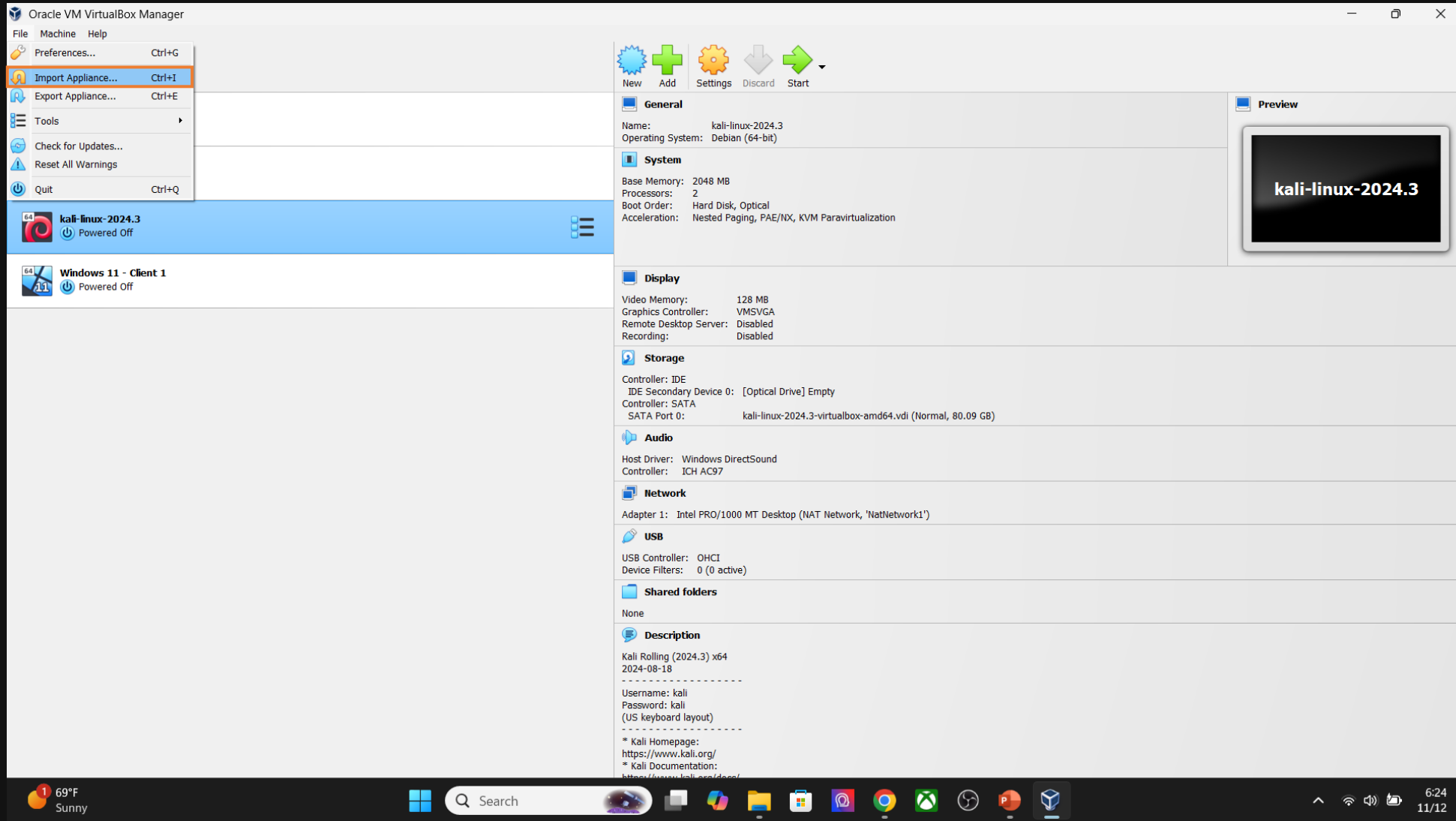
By using our website, you acknowledge that you have read, understood and agreed to our Privacy Policy, Cookie Policy, Terms of Service, and E-Sign Consent. [More information](#) [OK](#)

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5. Open VirtualBox. Click on the **File > Import Appliance**

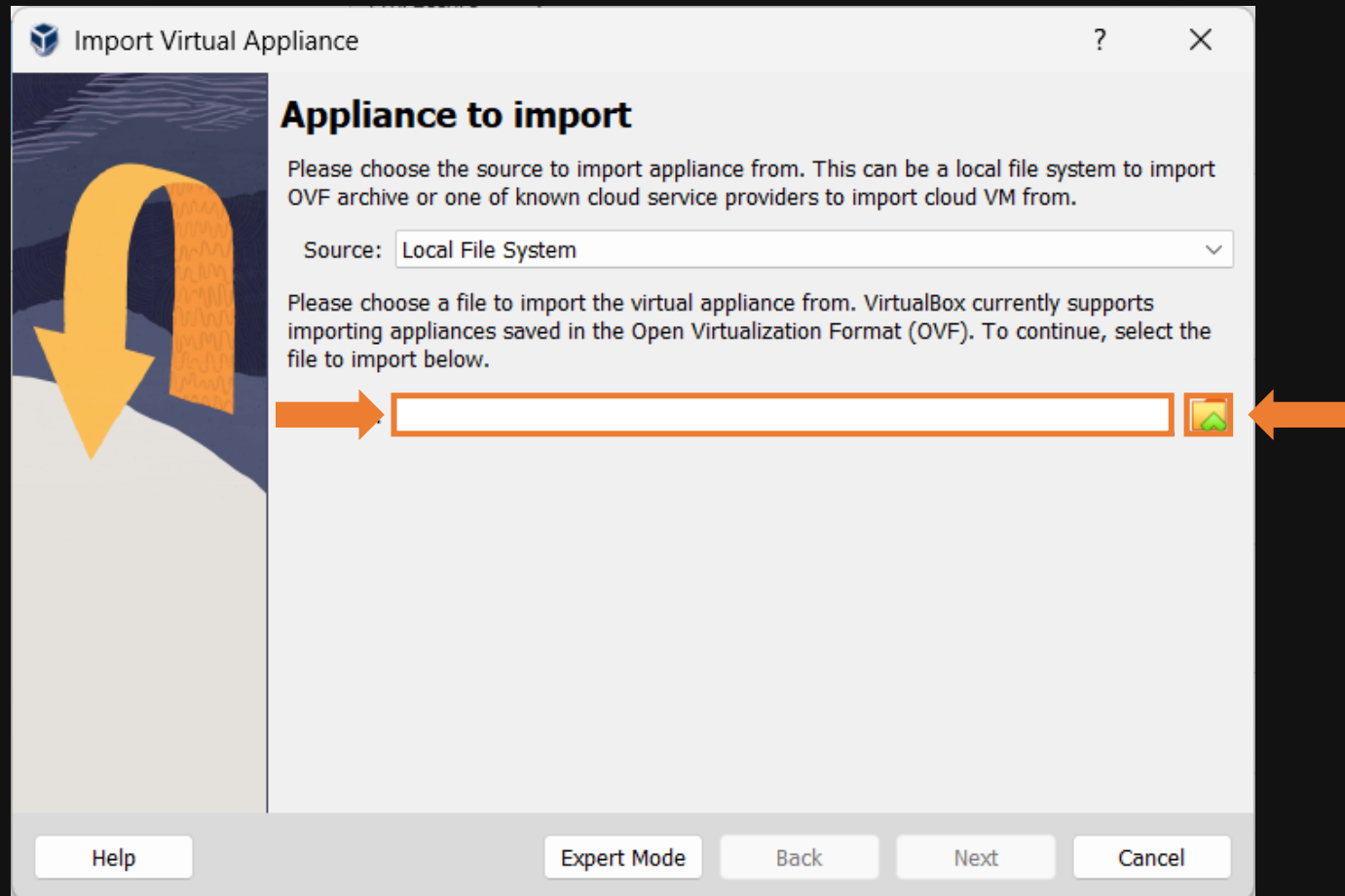


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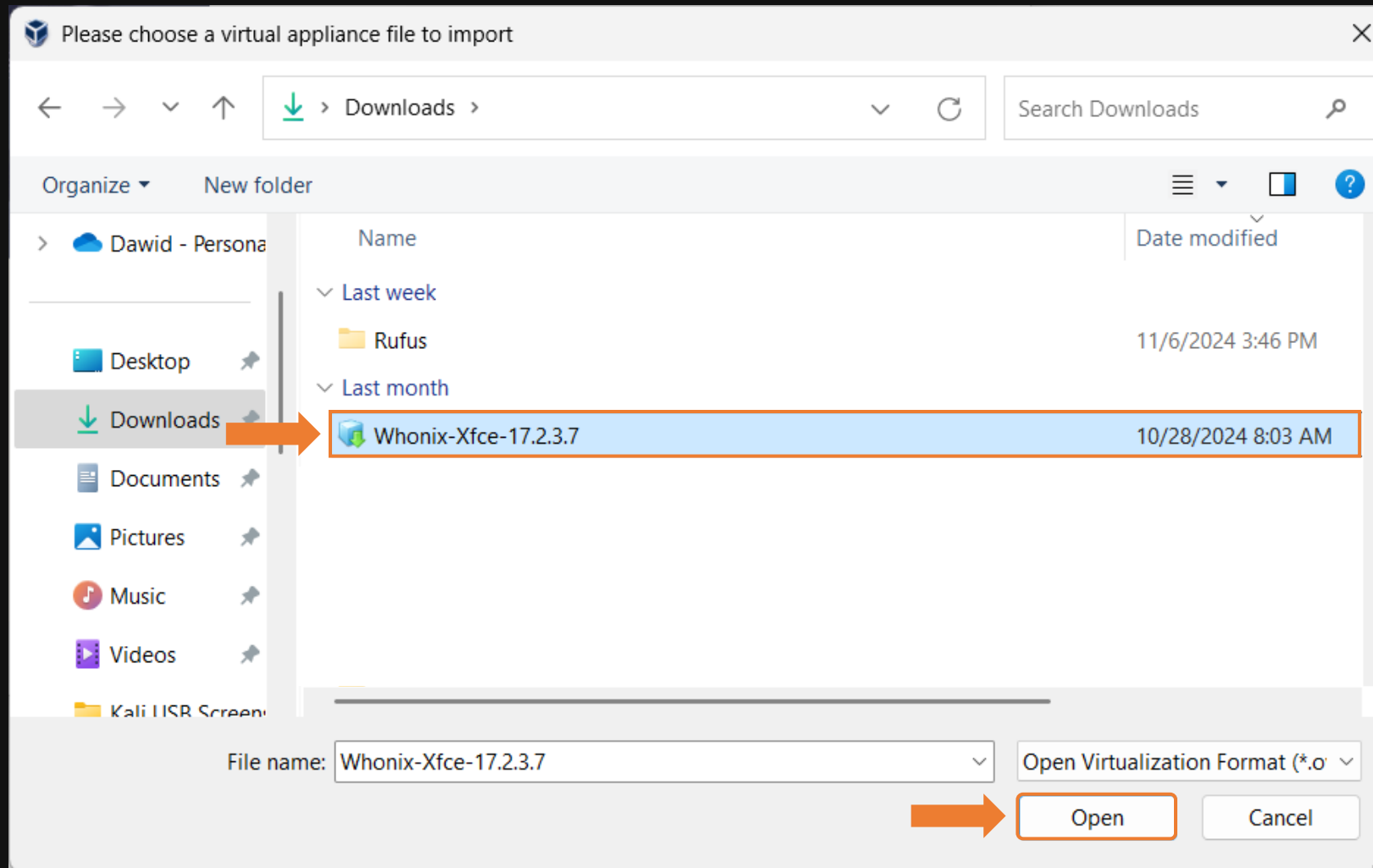


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6. Select the Whonix.ova file you downloaded earlier.

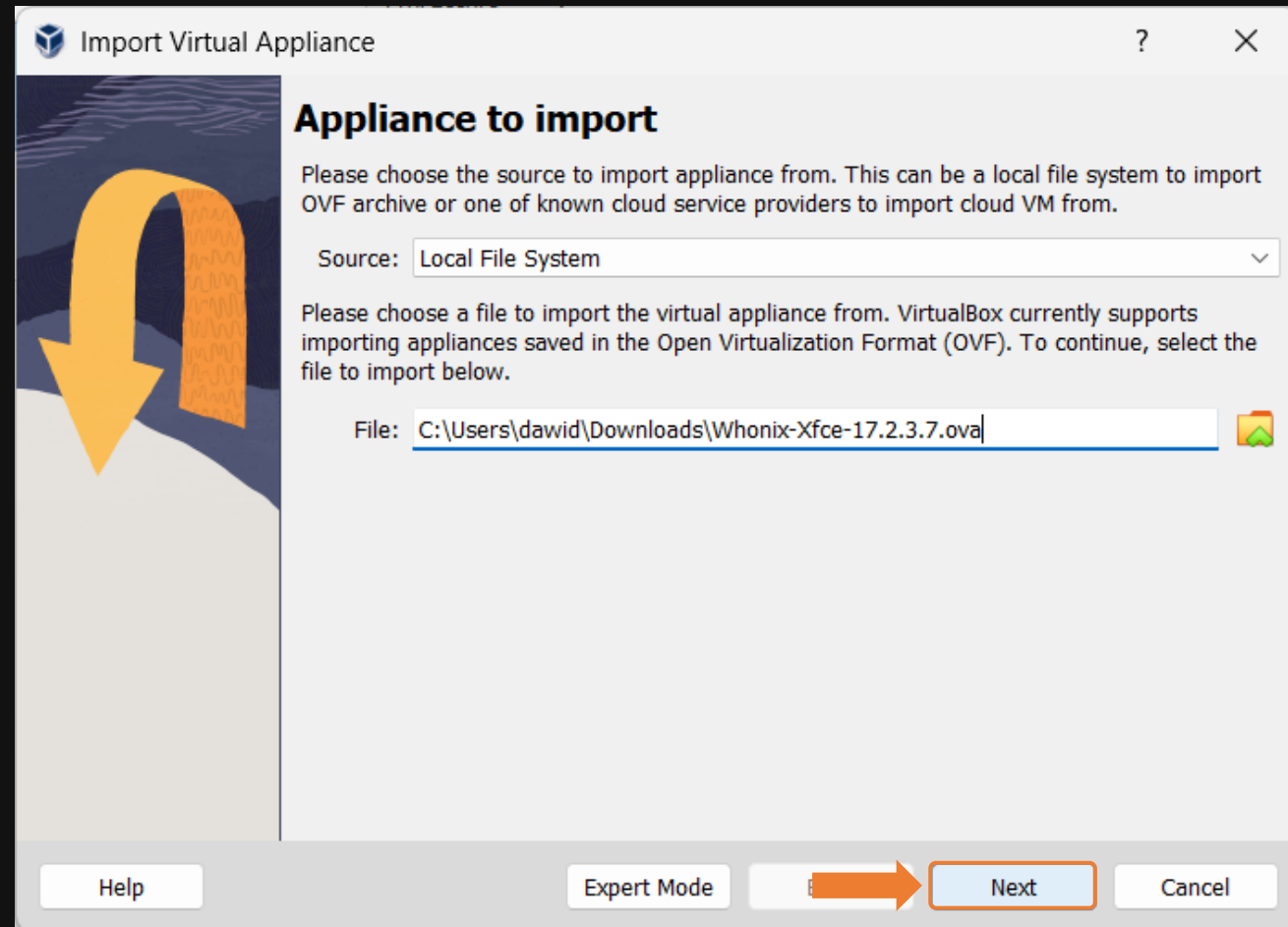


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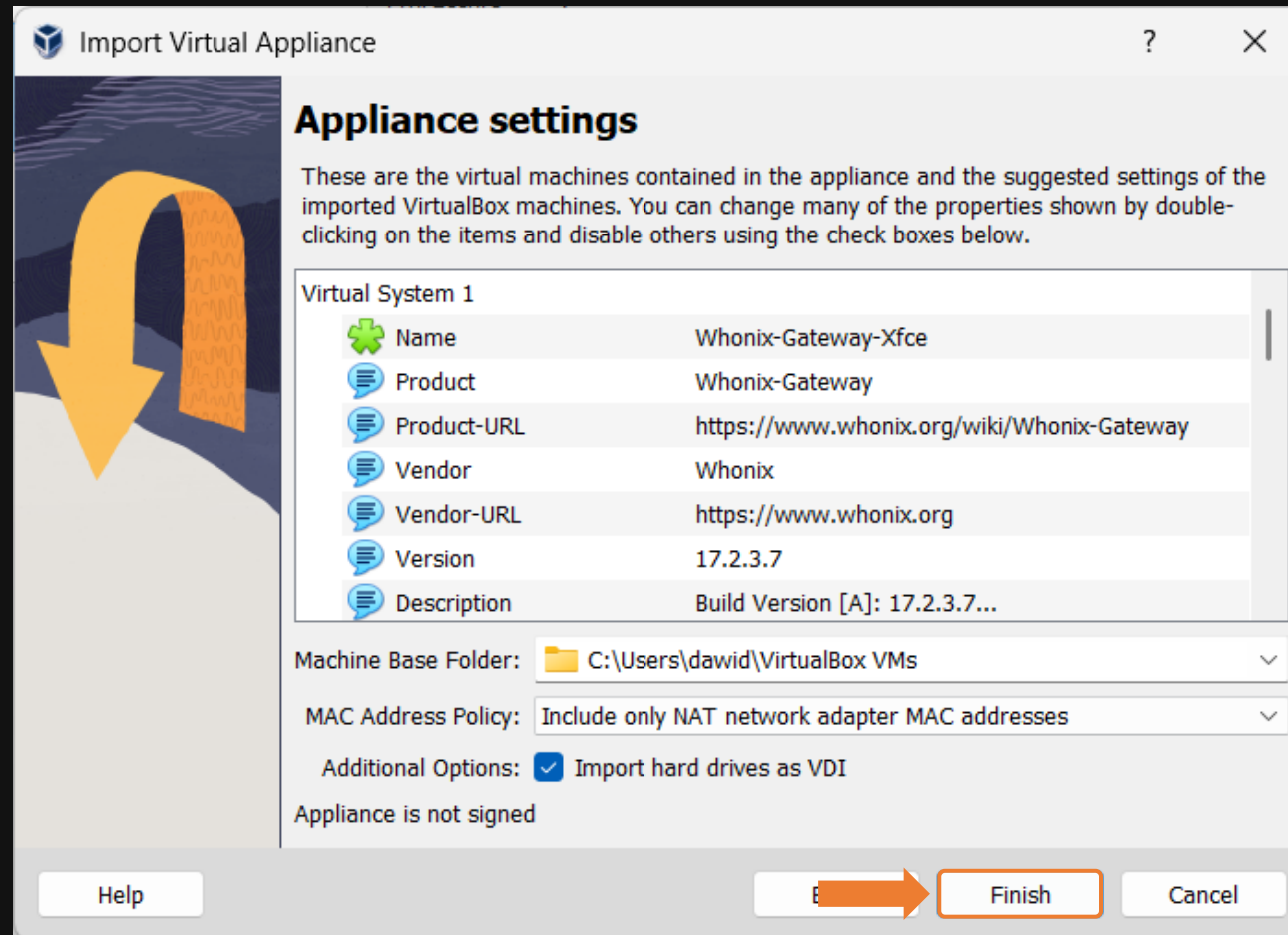
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7. Click on **Next**.



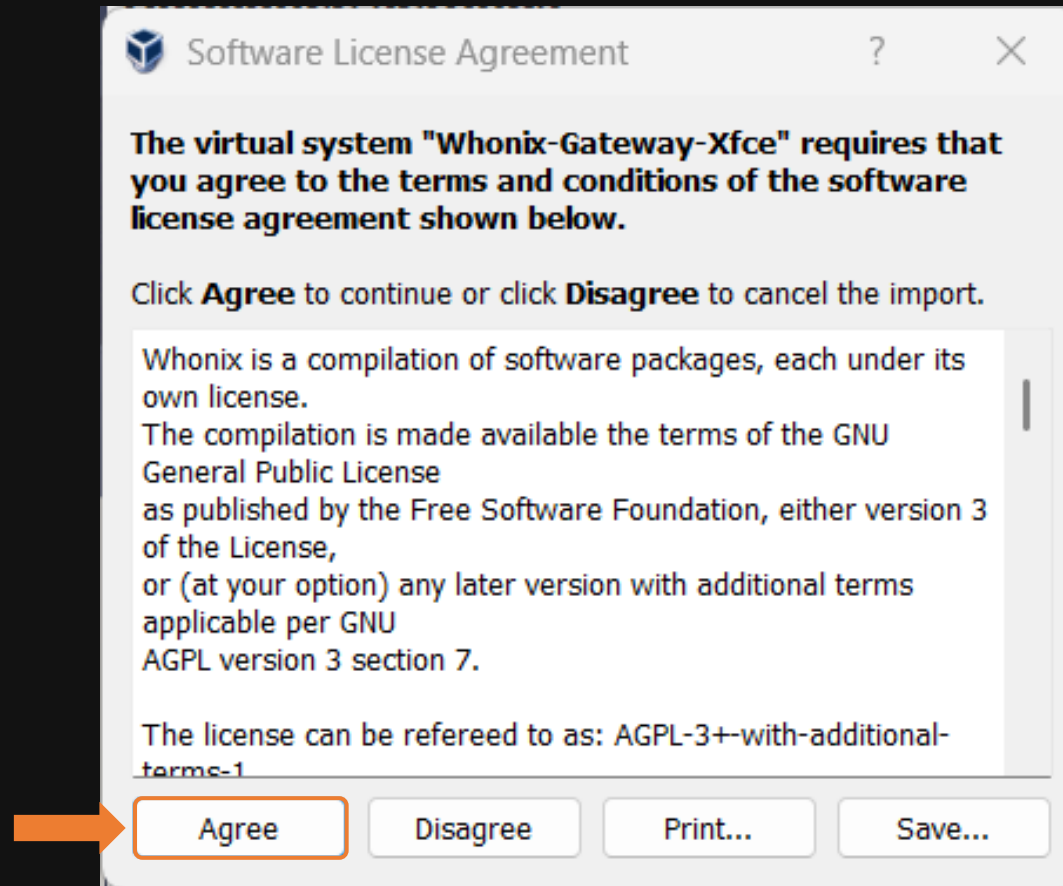
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7. Click on **Finish**.



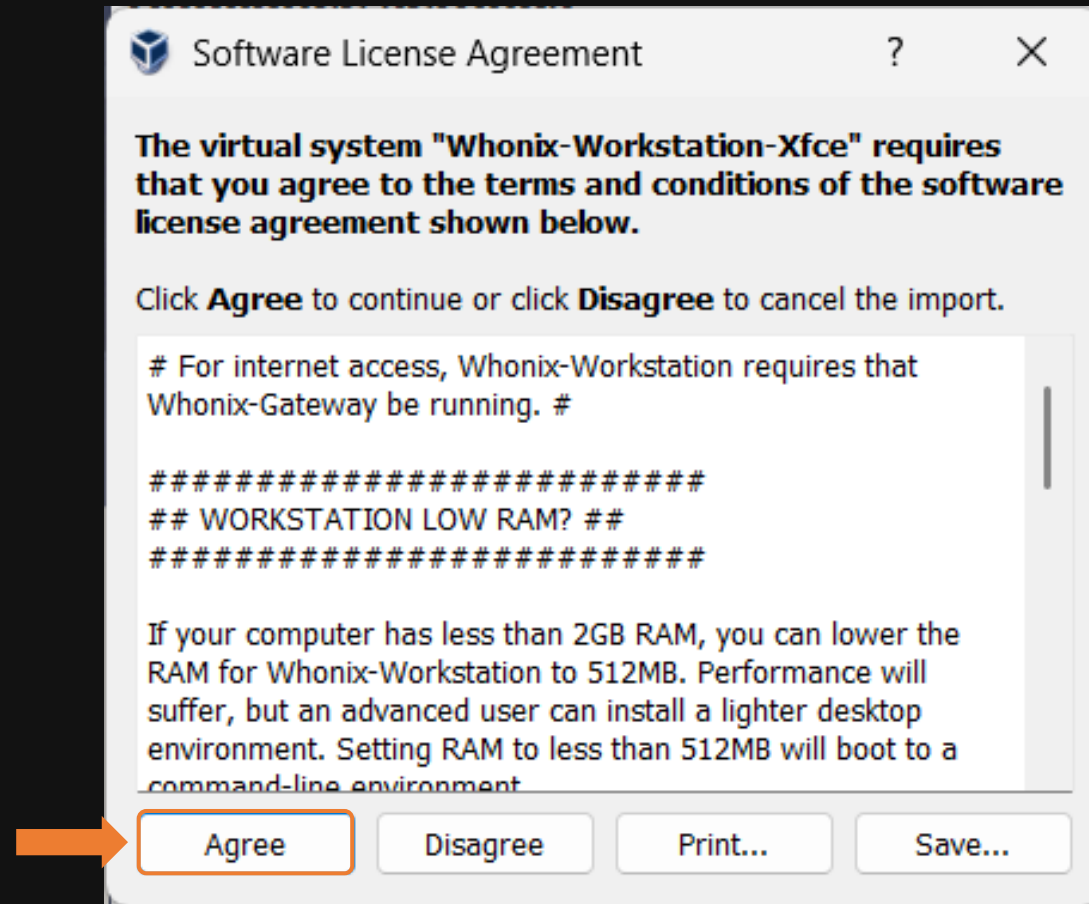
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8. You need to **Agree** to the Software License Agreement for the **Whonix-Gateway-Xfce**.



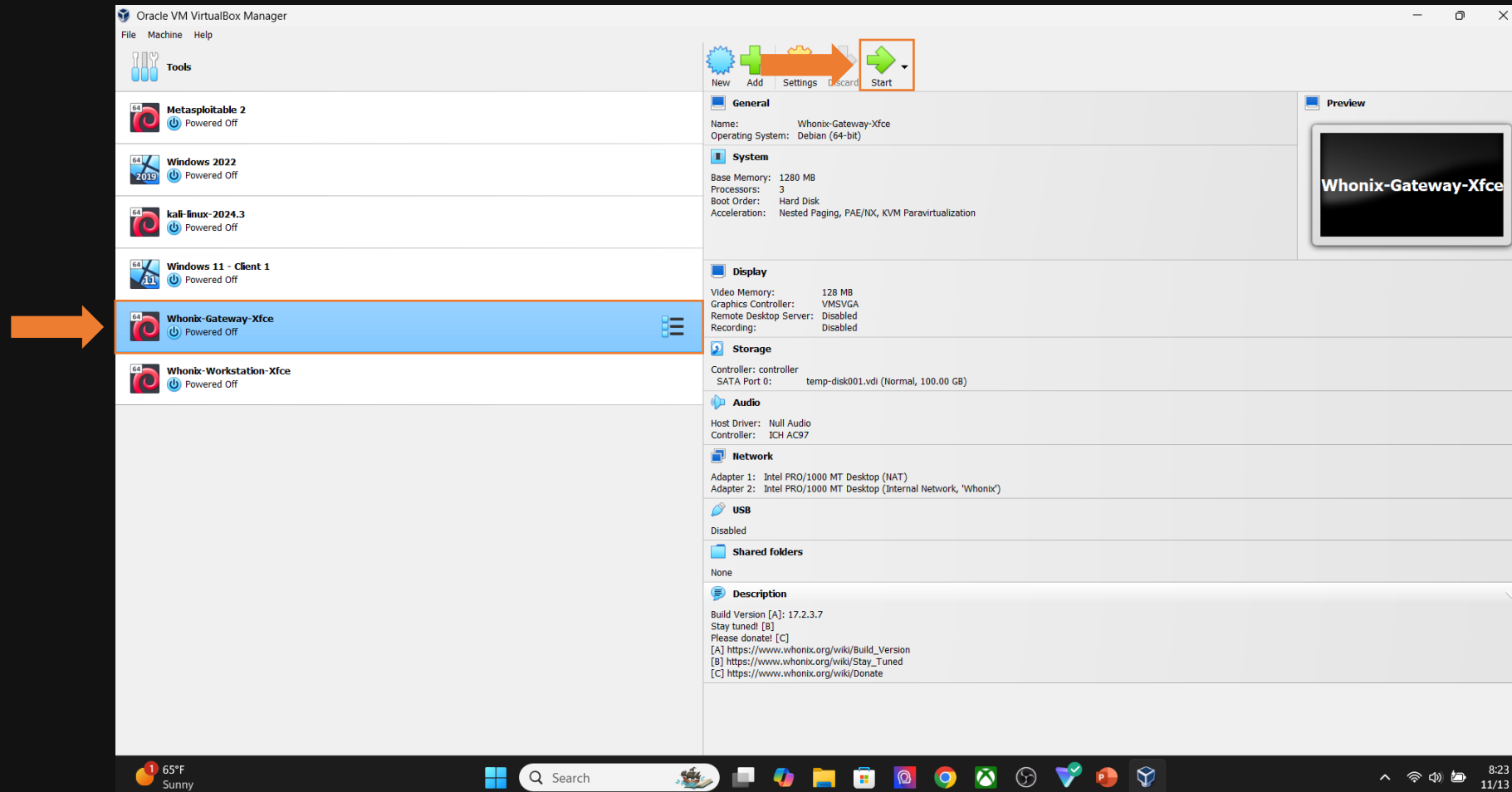
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9. You need to **Agree** to the Software License Agreement for the **Whonix-Workstation-Xfce**.



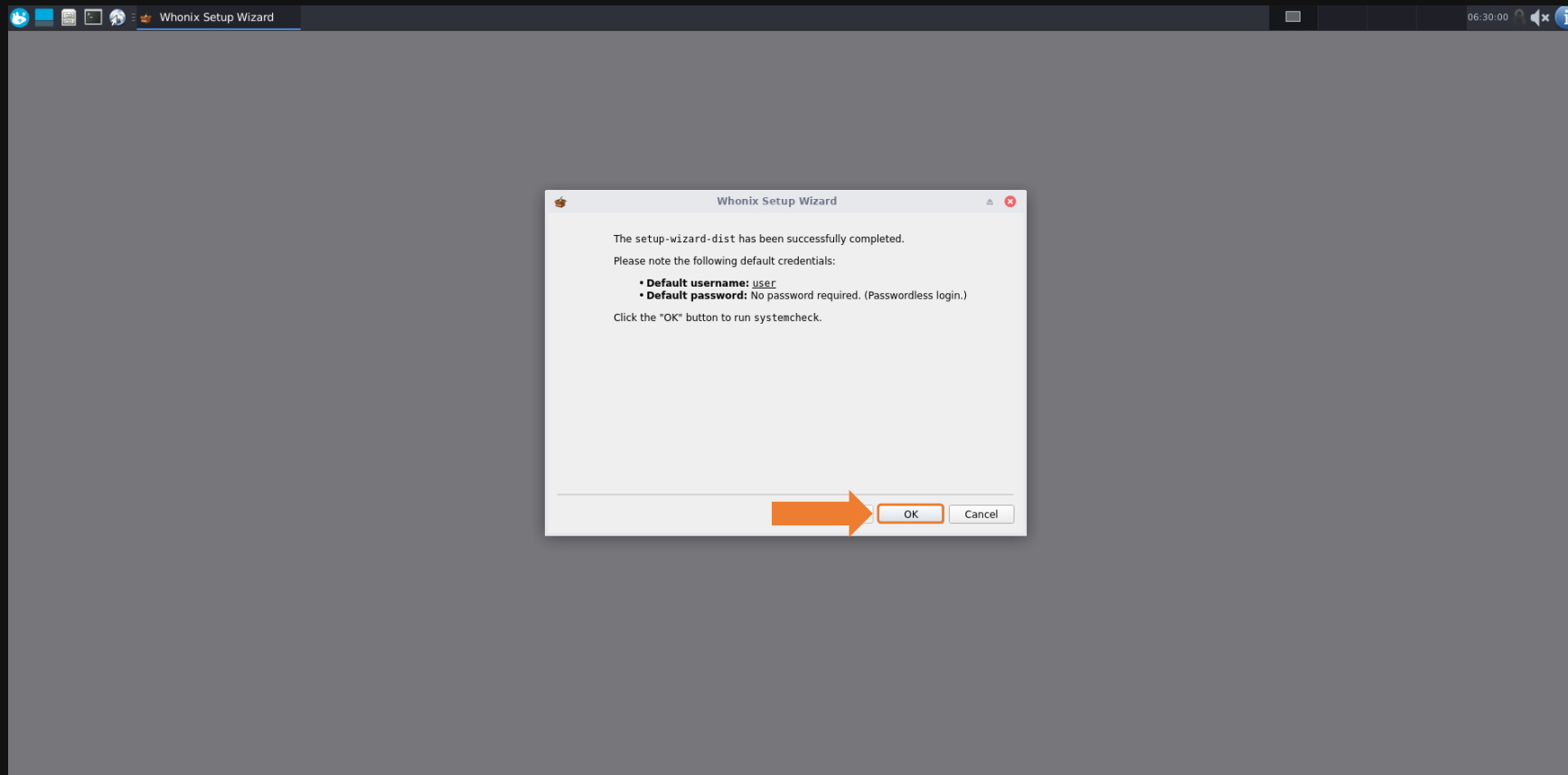
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10. You now have both the **Whonix-Gateway** and **Whonix-Workstation**. You want to start the **Gateway** first.



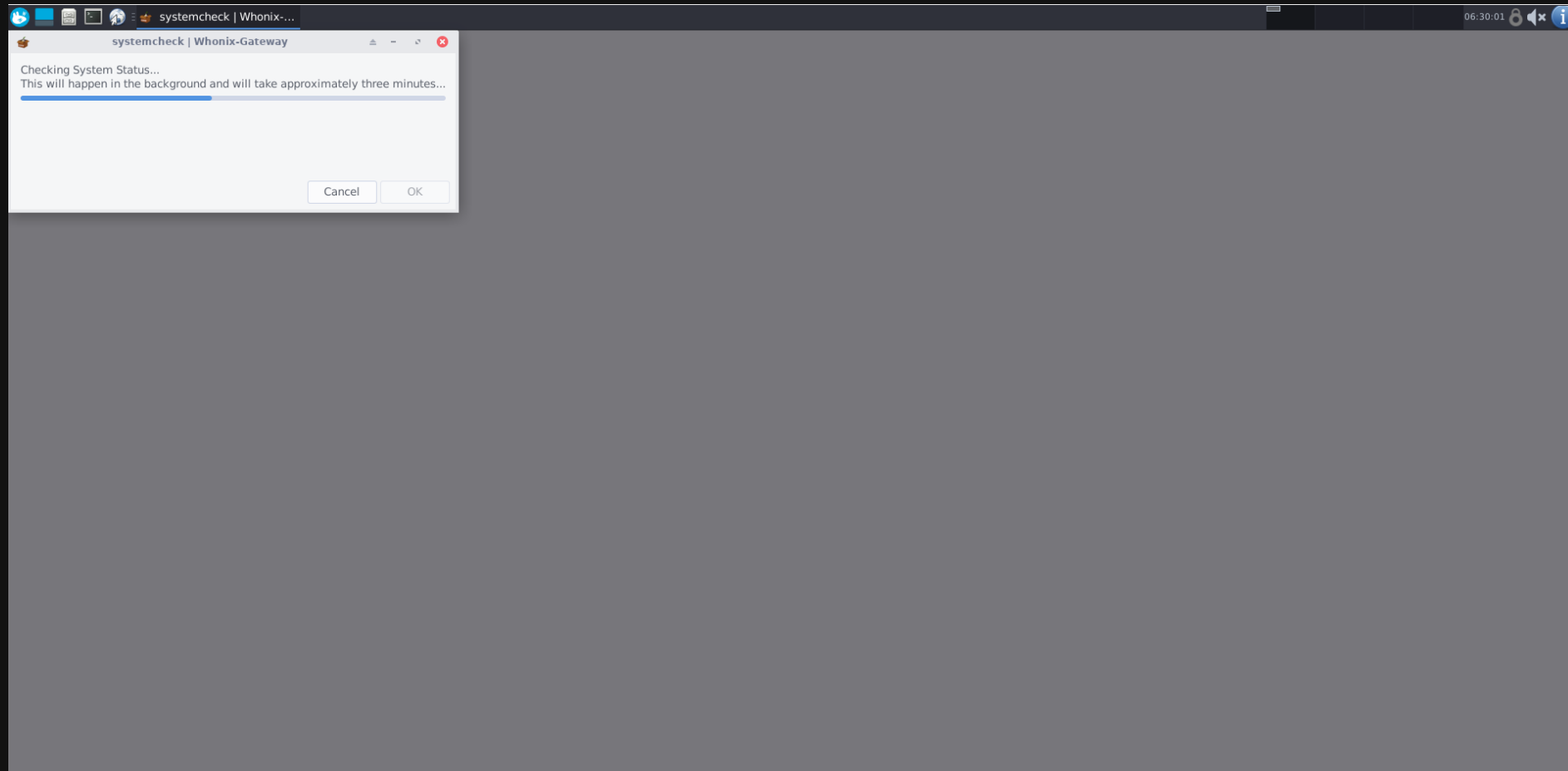
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11. On system startup we would get the Whonix Setup Wizard which has successfully completed. We can press **OK**.



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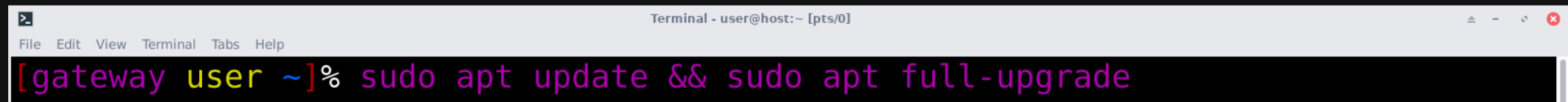
11. We wait for the systemcheck to complete and once it did, we can click **OK**.



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12. We want to update and upgrade the Whonix Gateway first up. We use the command:

```
sudo apt update && sudo apt upgrade
```

A terminal window titled "Terminal - user@host:~ [pts/0]" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The command `[gateway user ~]% sudo apt update && sudo apt full-upgrade` is entered in the terminal.

```
Terminal - user@host:~ [pts/0]  
File Edit View Terminal Tabs Help  
[gateway user ~]% sudo apt update && sudo apt full-upgrade
```

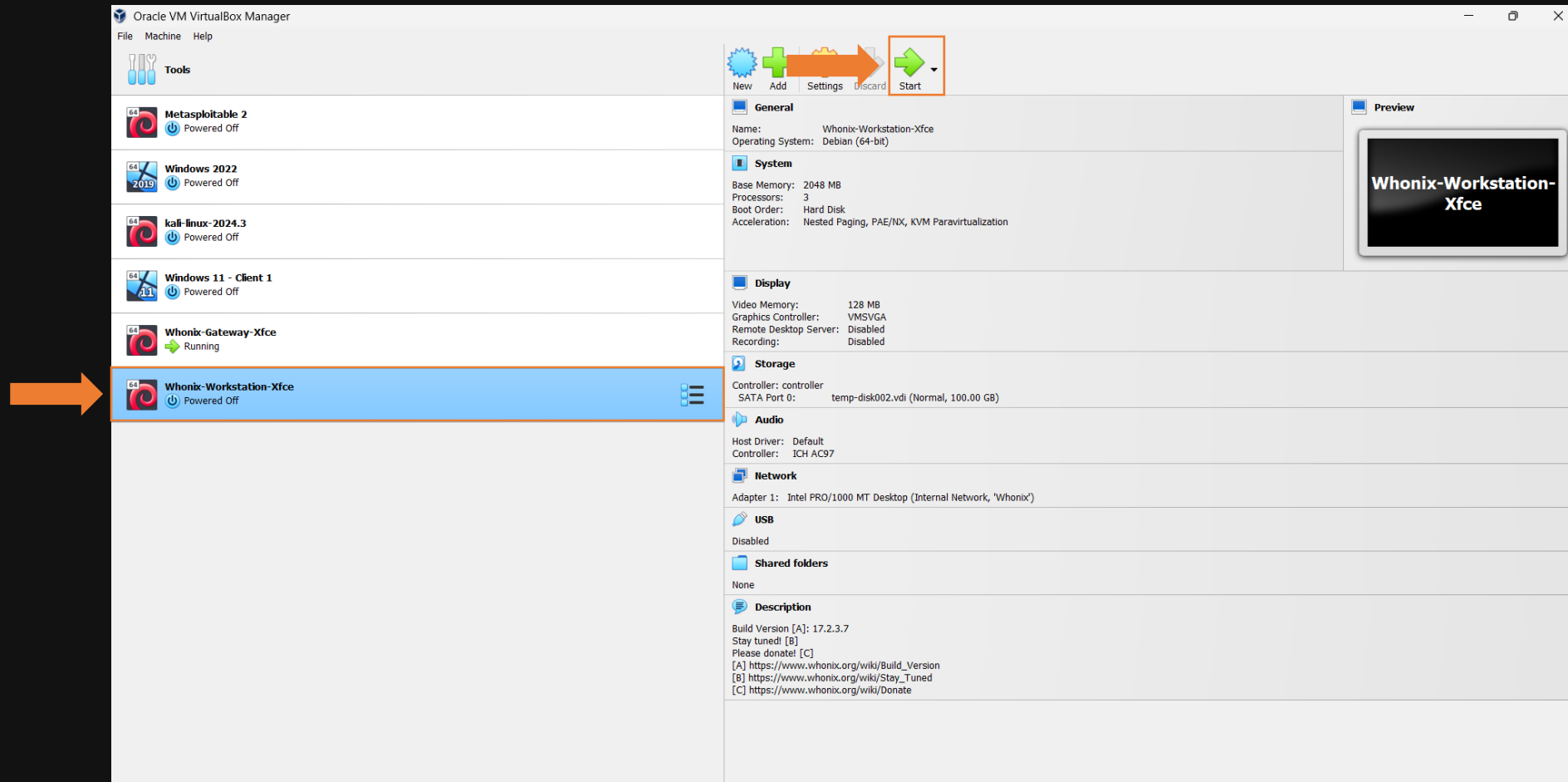
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13. You will now be required to press Y and press Enter. Wait for the setup to complete.

```
Terminal - user@host:~ (sudo apt update && sud..) [pts/0]
File Edit View Terminal Tabs Help
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
  libwebpmux3 linux-headers-6.1.0-27-amd64 linux-headers-6.1.0-27-common
  linux-image-6.1.0-27-amd64
The following packages will be upgraded:
  base-files bsdxtrautils bsdutils curl distro-info-data eject fdisk
  gir1.2-gtk-3.0 gtk-update-icon-cache iputils-ping libarchive-tools
  libarchive13 libblkid1 libc-bin libc-dev-bin libc-l10n libc6 libc6-dev
  libcups2 libcurl4 libfdisk1 libglib2.0-0 libglib2.0-bin libglib2.0-data
  libgtk-3-0 libgtk-3-common libjavascriptcoregtk-4.1-0 libmount1 libmpg123-0
  libnghttp2-14 libnss3 libpam-systemd libpython3.11 libpython3.11-minimal
  libpython3.11-stdlib libsmartcols1 libsqlite3-0 libssl3 libsystemd-shared
  libsystemd0 libudev1 libuuid1 libwebkit2gtk-4.1-0 linux-compiler-gcc-12-x86
  linux-headers-amd64 linux-image-amd64 linux-kbuild-6.1 linux-libc-dev
  locales mount openssl python3.11 python3.11-minimal security-misc systemd
  systemd-sysv tirdad tirdad-dkms tor tor-geoipdb udev util-linux
  util-linux-extra xserver-common xserver-xorg-core
65 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 170 MB of archives.
After this operation, 477 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
```

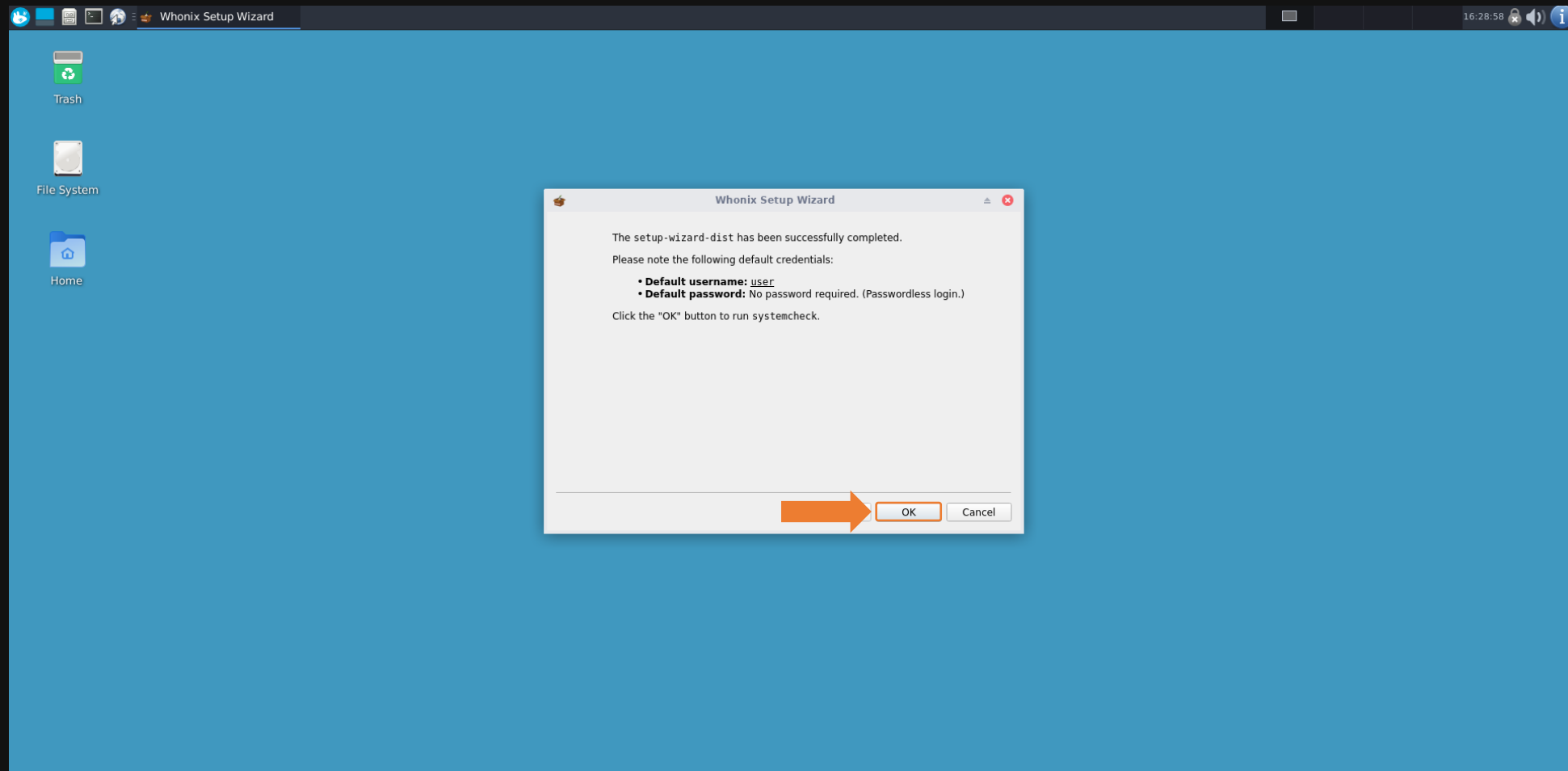
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14. Start the Whonix Workstation in VirtualBox.



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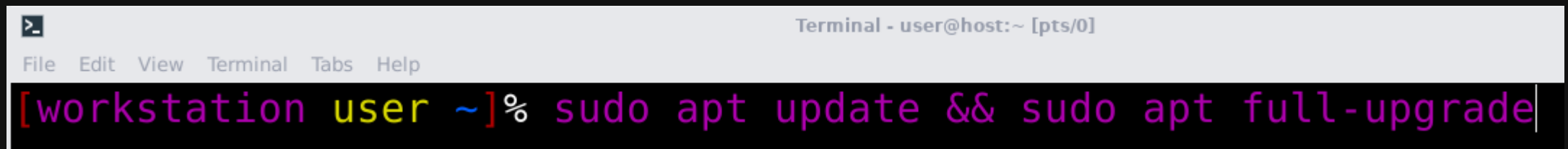
15. On system startup we would get the Whonix Setup Wizard which has successfully completed. We can press **OK**.



Install Whonix

15. We want to update and upgrade the Workstation too. We use the same command:

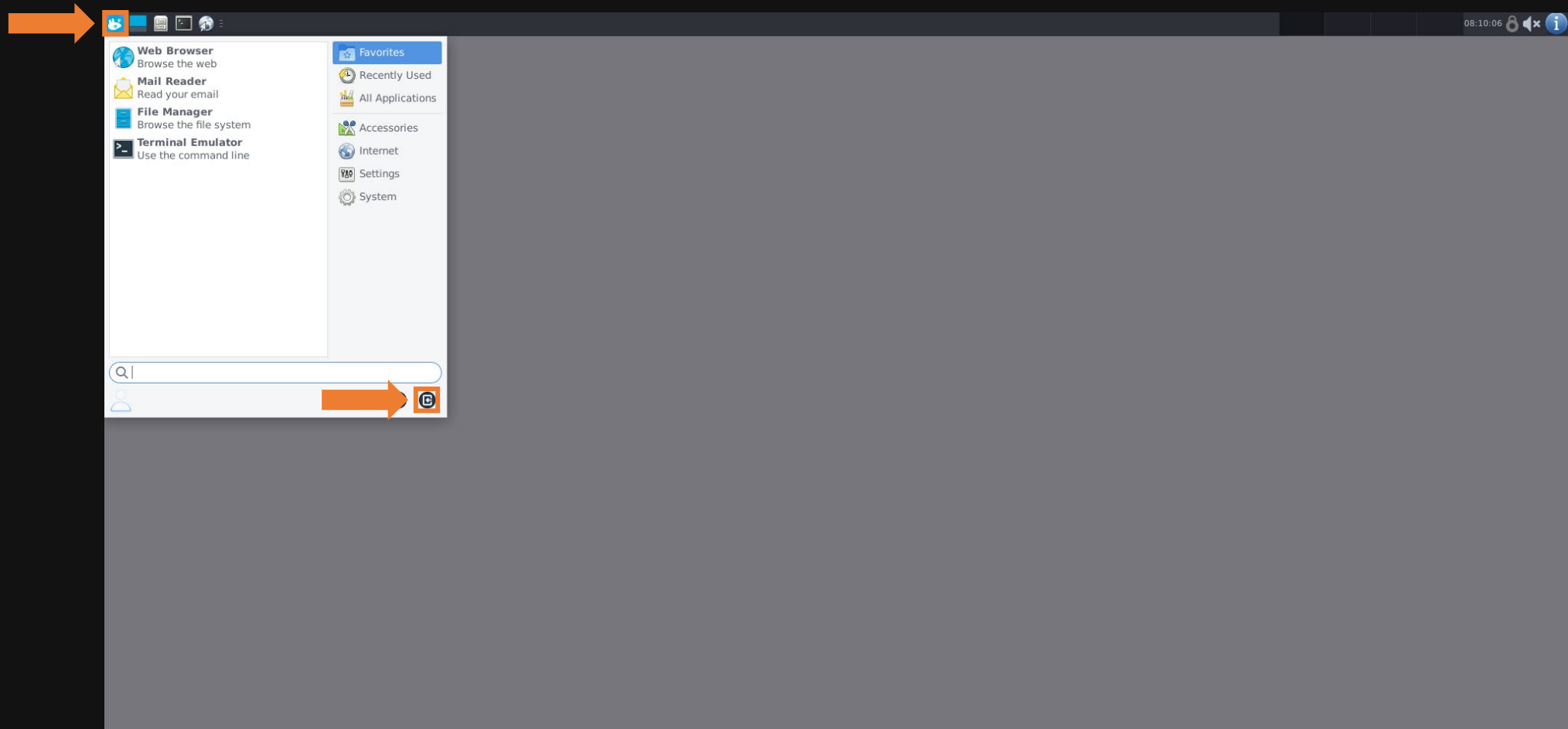
```
sudo apt update && sudo apt full-upgrade
```

A terminal window titled "Terminal - user@host:~ [pts/0]" with a menu bar containing "File", "Edit", "View", "Terminal", "Tabs", and "Help". The terminal prompt is "[workstation user ~]%". The command "sudo apt update && sudo apt full-upgrade" is entered and is currently being typed, with a cursor at the end of the line.

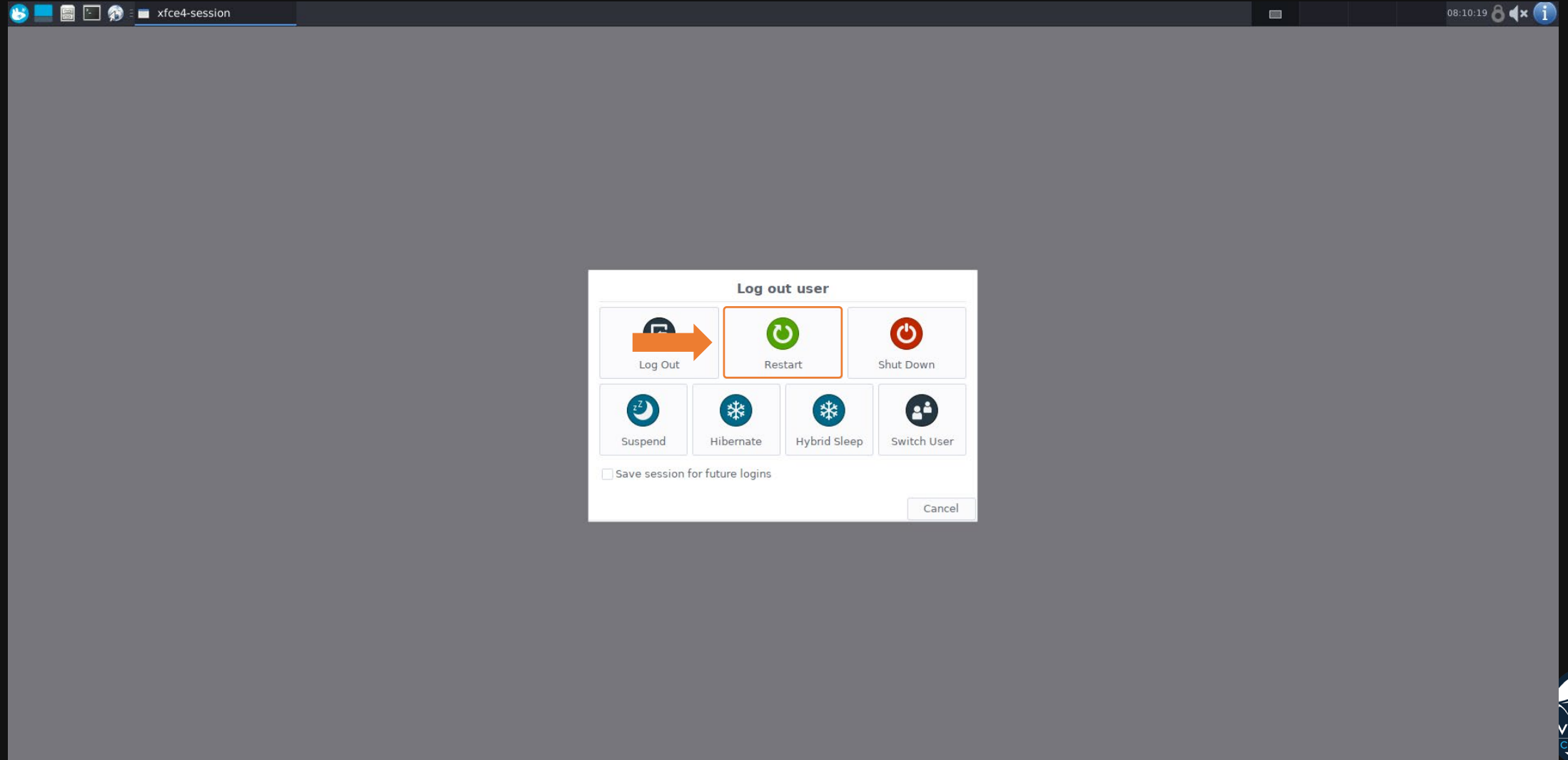
```
Terminal - user@host:~ [pts/0]  
File Edit View Terminal Tabs Help  
[workstation user ~]% sudo apt update && sudo apt full-upgrade|
```

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16. We restart the Whonix Gateway.

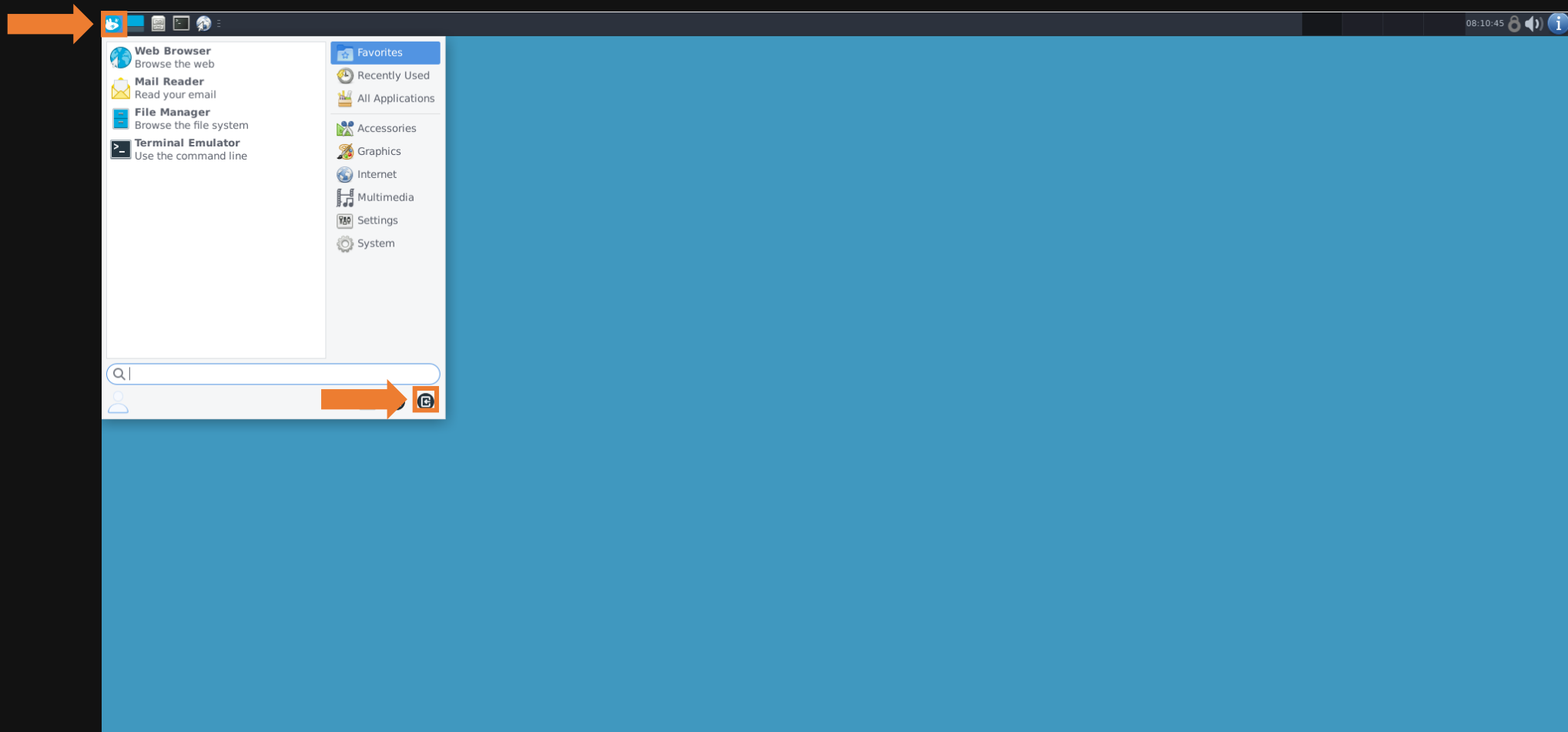


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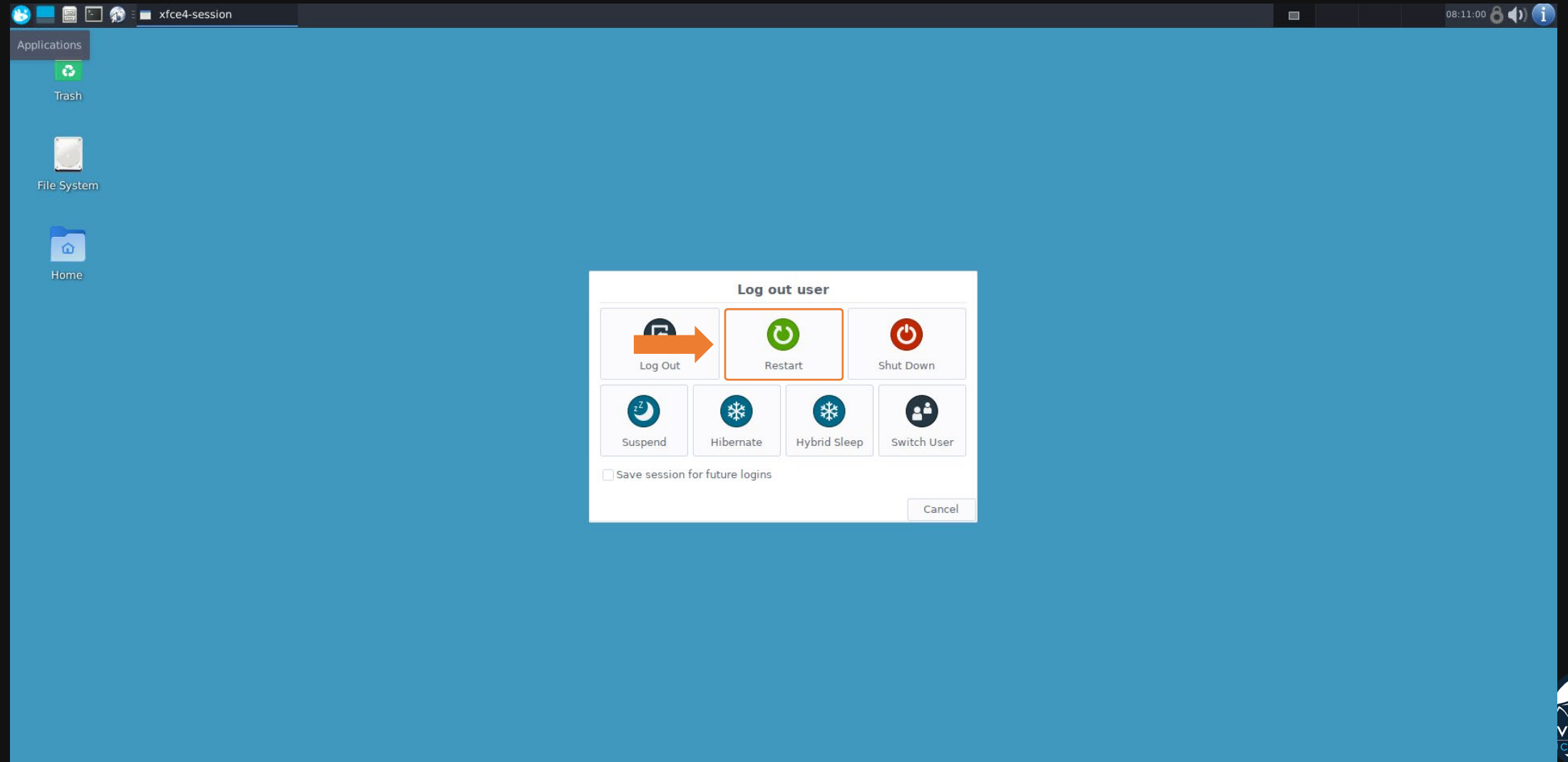


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17. We restart the Whonix Workstation.



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18. We always want to start the Whonix Gateway before we start the Whonix Workstation. We can now see if we are ready to use the Tor browser. We click to open the browser.



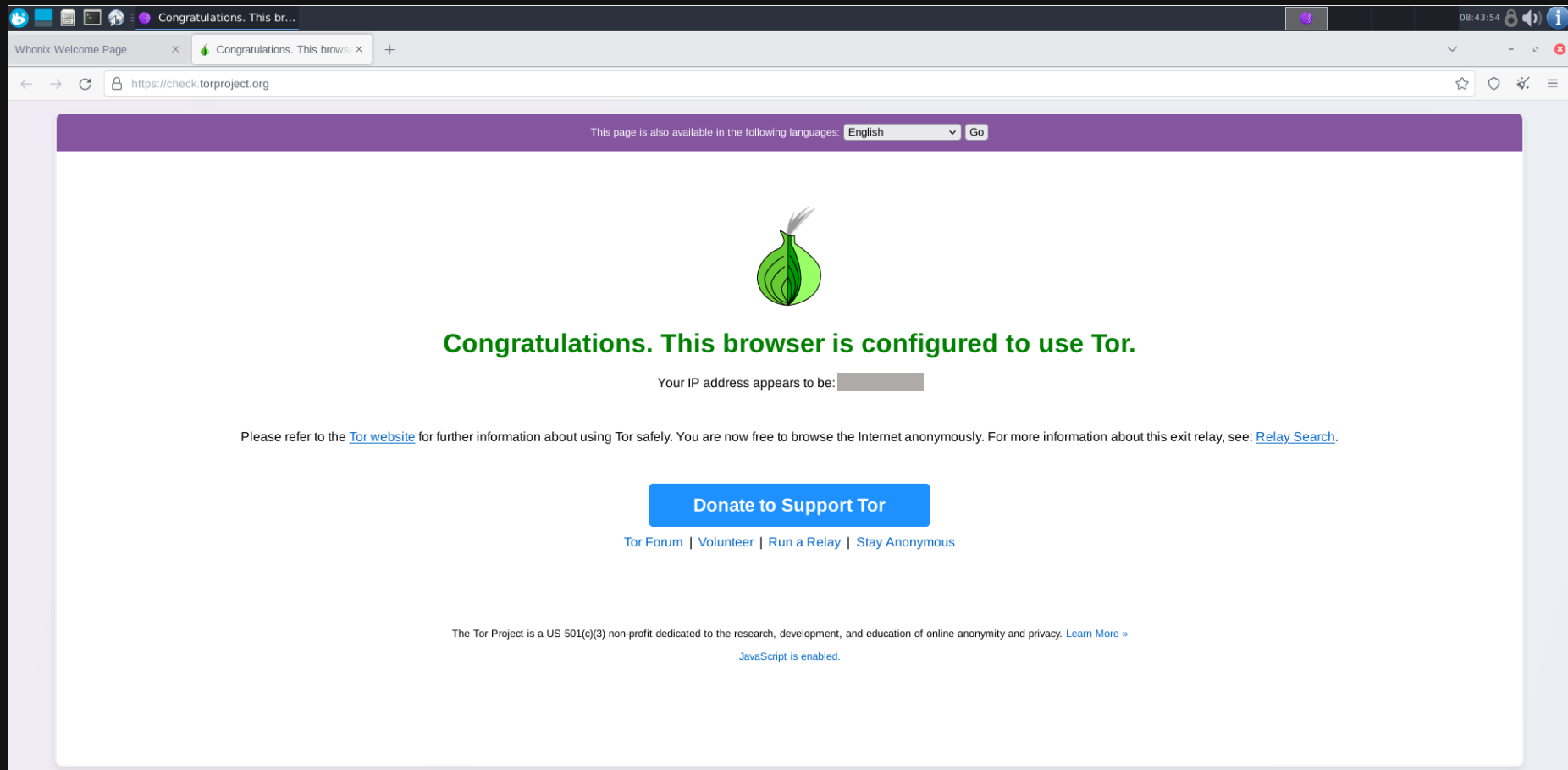
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19. We can click on the IP Check to see if our Tor browser is set.



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20. You will see **Congratulations. This browser is configured to use Tor.**



Get more information

1. Website: <https://www.youtube.com/davidbombal>
2. Website: <https://www.whonix.org>

