

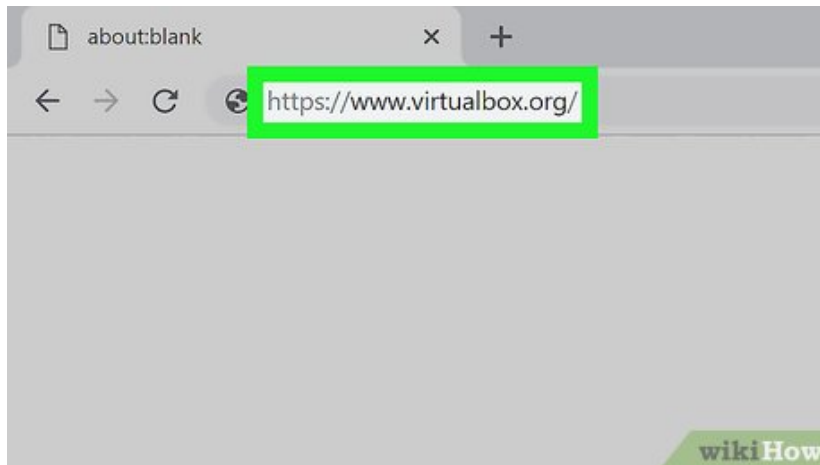
How to Install VirtualBox

This wikiHow teaches you how to install and use the VirtualBox application on your Windows, Mac, or Linux computer. VirtualBox is a program which emulates a second computer, allowing you to install and use operating systems (e.g., Windows...

Part 1 of 4:

On Windows

1.



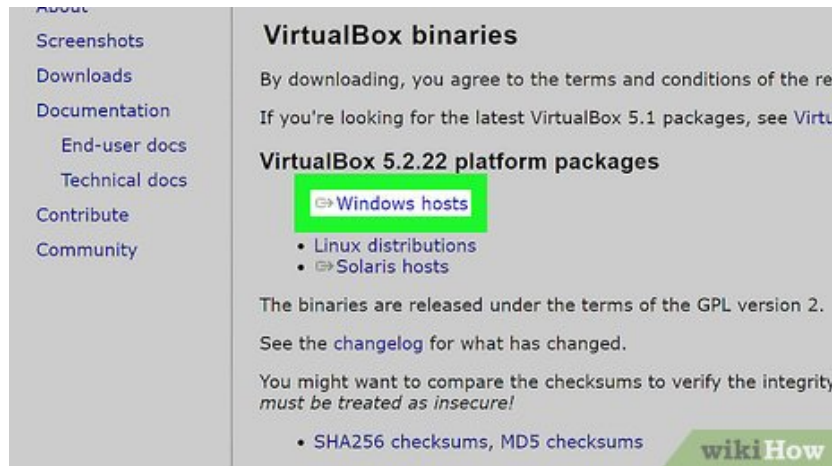
Open the VirtualBox website. Go to <https://www.virtualbox.org/> in your computer's Internet browser. This is the website from which you'll download the VirtualBox setup file.

2.



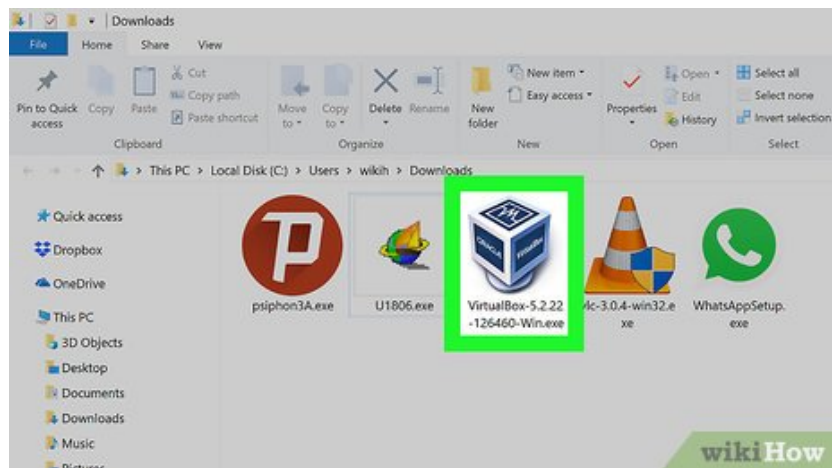
Click [Download VirtualBox](#) **.** It's a blue button in the middle of the page. Doing so will open the downloads page.

3.



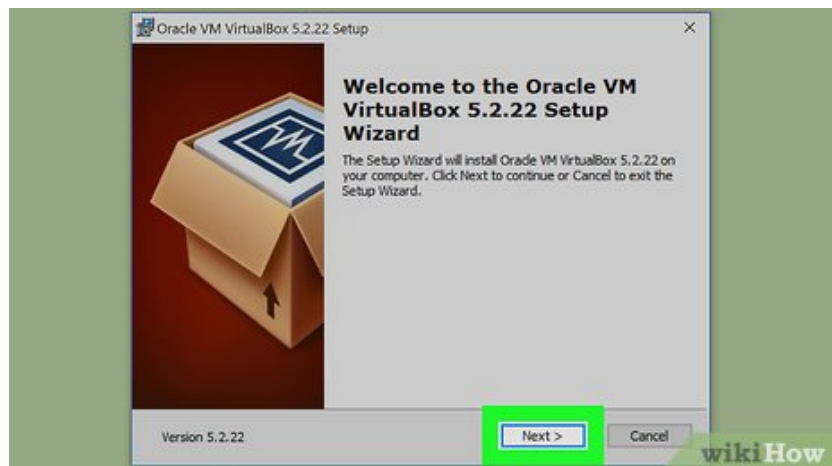
Click **Windows hosts**. You'll see this link below the "VirtualBox 5.2.8 platform packages" heading. The VirtualBox EXE file will begin downloading onto your computer.

4.



Open the VirtualBox EXE file. Go to the location to which the EXE file downloaded and double-click the file. Doing so will open the VirtualBox installation window.

5.

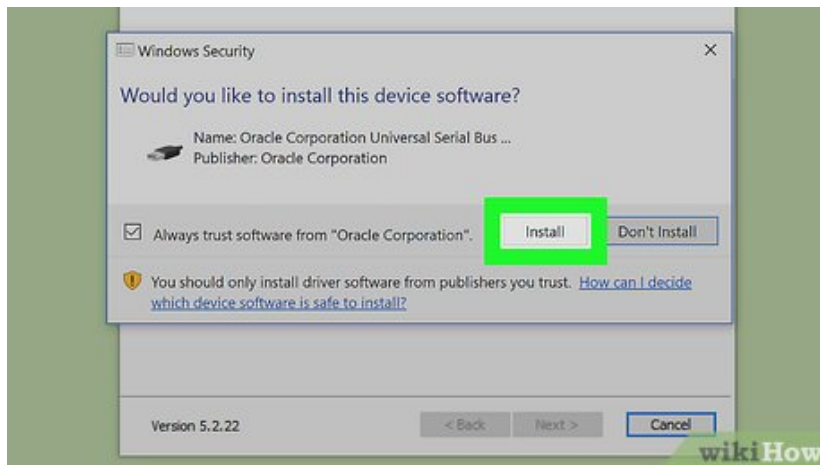


Navigate through the installation prompts. Do the following:

1. Click Next on the first three pages.

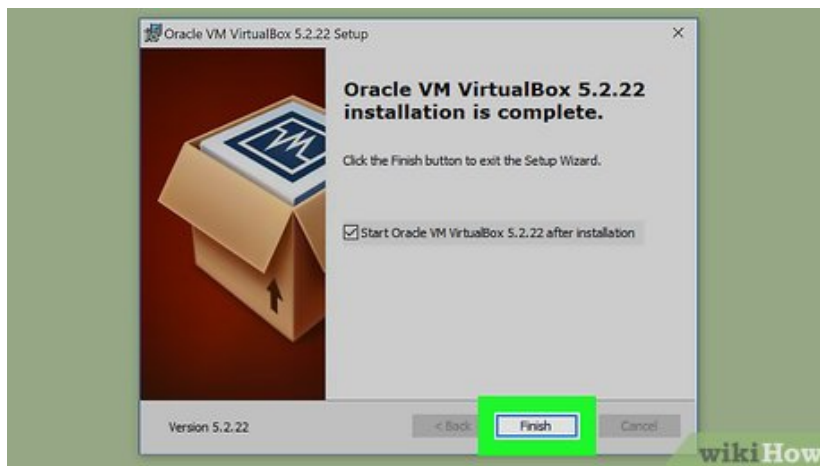
2. Click **Yes** when prompted.
3. Click **Install**
4. Click **Yes** when prompted.

6.



Click **Install** when prompted. Doing so will allow VirtualBox to begin installing on your computer.

7.

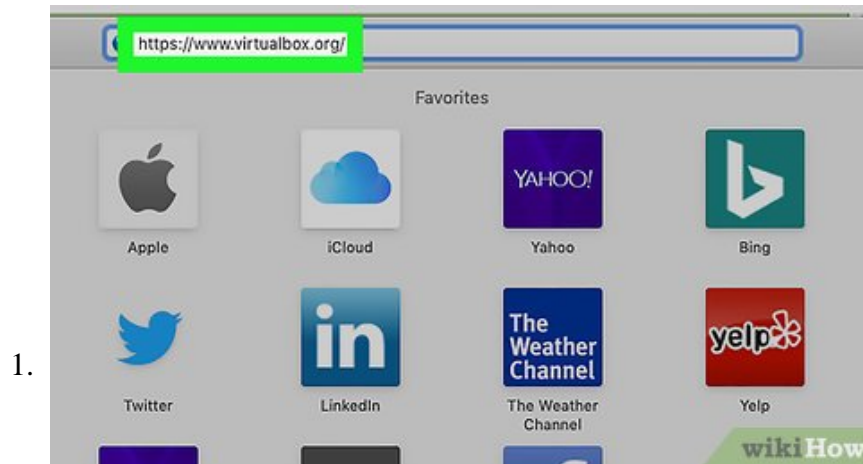


Click **Finish** when prompted. It's in the lower-right side of the window. Doing so will close the installation window and open VirtualBox. Now that you've installed and opened VirtualBox, you can create a virtual machine in order to run any operating system on your PC.

1. Make sure that you don't uncheck the "Start" box before doing this.

Part 2 of 4:

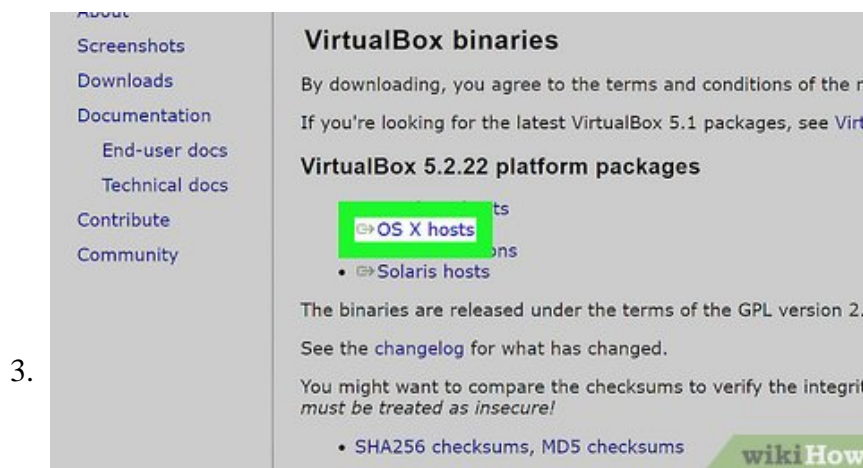
On Mac



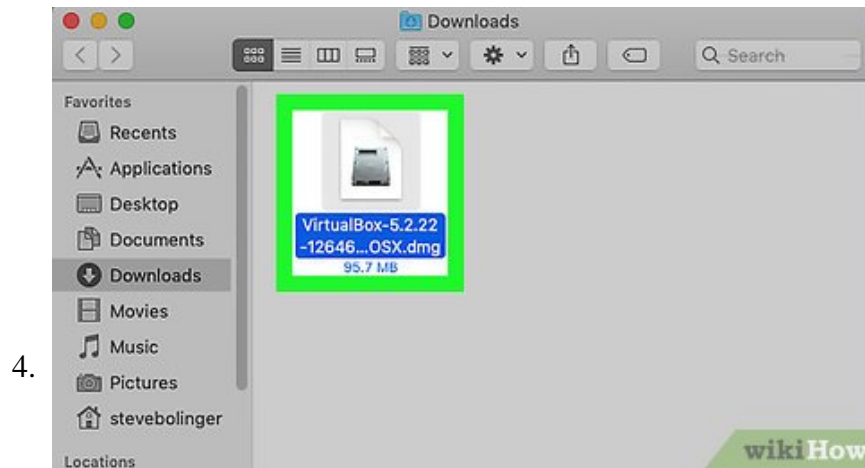
Open the VirtualBox website. Go to <https://www.virtualbox.org/> in your Mac's Internet browser. This is the website from which you'll download the VirtualBox DMG file.



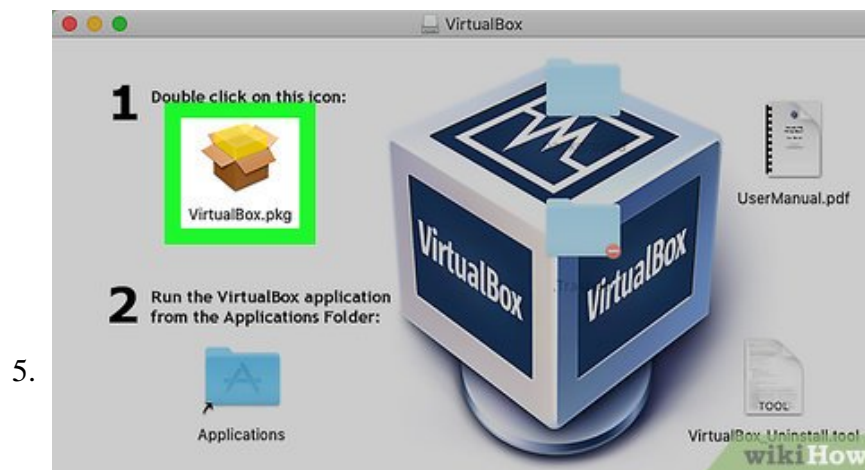
Click [Download VirtualBox](#) . It's a blue button in the middle of the page. Doing so will open the downloads page.



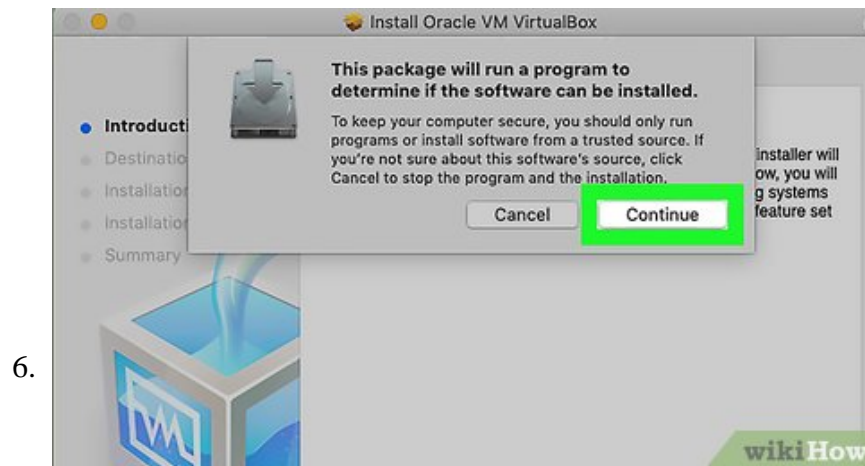
Click the [OS X hosts](#) link. You'll find this option in the middle of the downloads page. The VirtualBox DMG file will begin downloading onto your Mac.



Open the "VirtualBox" DMG file. Once the VirtualBox DMG finishes downloading, double-click the file to open it.



Double-click the "VirtualBox.pkg" icon. It's a brown box-shaped icon in the upper-left corner of the window. Doing so will prompt VirtualBox's installation window to open.



Navigate through the installation prompts. Click **Continue** when prompted, then do the following:^[1]

1. Click **Continue** in the bottom-right corner of the window.

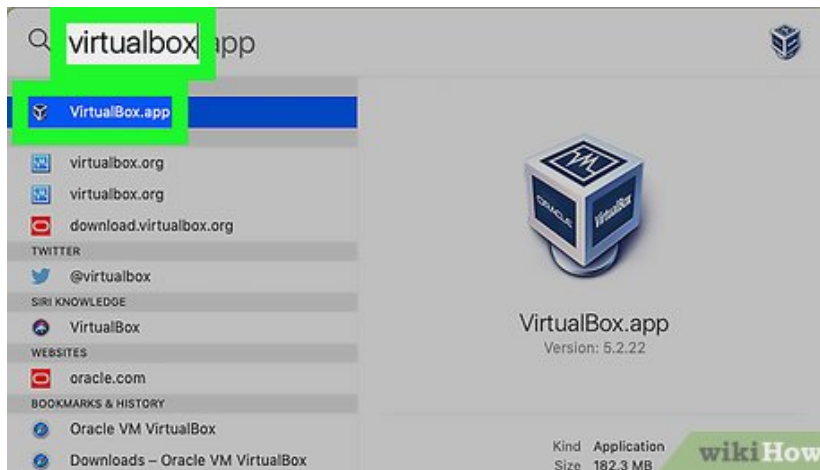
2. Click **Install** in the bottom-right corner of the window.
3. Enter your Mac user password when prompted.
4. Click **Install Software**

7.



Wait for the installation to complete. Once you're prompted to click **Close** in the bottom-right corner of the window, you've successfully installed VirtualBox on your Mac.

8.



Open VirtualBox. Click **Spotlight**



, type in `virtualbox`, and double-click **VirtualBox** in the resulting drop-down menu. Now that you've installed and opened VirtualBox, you can create a virtual machine in order to run any operating system on your Mac.

Part 3 of 4:

On Linux



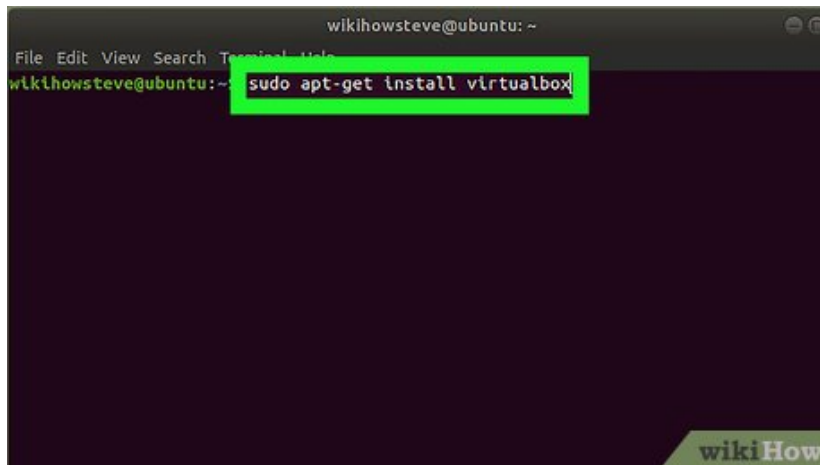
Open Terminal. This step will vary depending on your version of Linux, but you can usually open Terminal by selecting



Terminal from the Menu. The Terminal window will pop up.

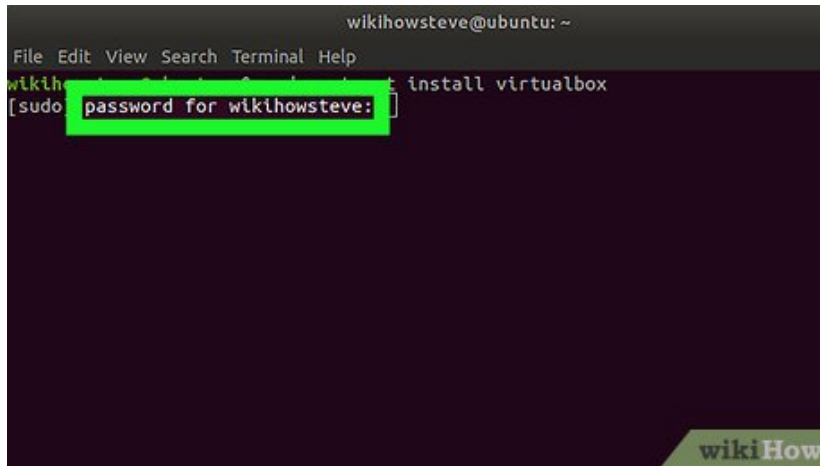
1. You can also press `Alt + Ctrl + T` to open Terminal.

2.



Enter the installation command. Type in `sudo apt-get install virtualbox-gt` and press `?Enter`.

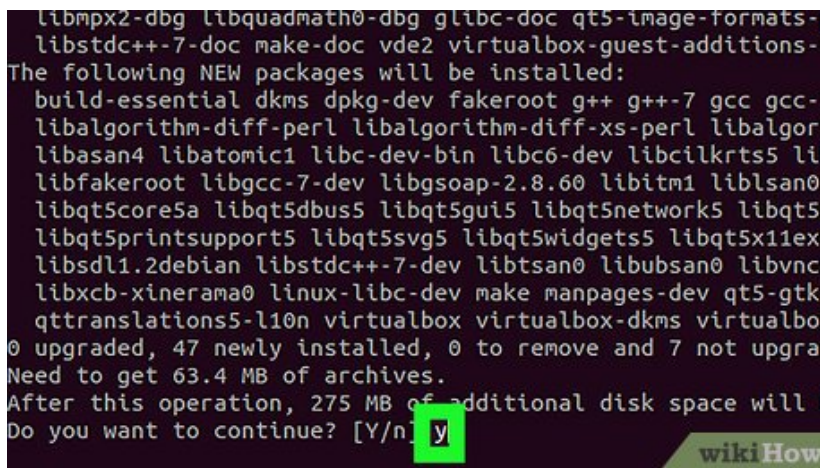
3.



```
wikihowsteve@ubuntu: ~  
File Edit View Search Terminal Help  
wikihowsteve@ubuntu:~$ sudo apt-get install virtualbox  
[sudo: password for wikihowsteve:]
```

Enter your password when prompted. Type in the password that you use to log into your computer, then press `? Enter`.

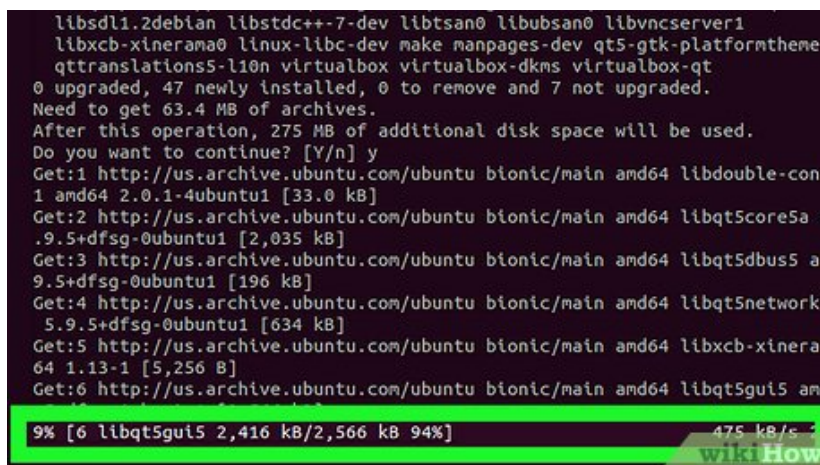
4.



```
libmpx2-dbg libquadmath0-dbg glibc-doc qt5-image-formats-p  
libstdc++-7-doc make-doc vde2 virtualbox-guest-additions-1  
The following NEW packages will be installed:  
build-essential dkms dpkg-dev fakeroot g++ g++-7 gcc gcc-7  
libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgori  
libasan4 libatomic1 libc-dev-bin libc6-dev libcilkrts5 lib  
libfakeroot libgcc-7-dev libgsoap-2.8.60 libitm1 liblsan0  
libqt5core5a libqt5dbus5 libqt5gui5 libqt5network5 libqt5c  
libqt5sprintsupport5 libqt5svg5 libqt5widgets5 libqt5x11ext  
libstdl1.2debian libstdc++-7-dev libtsan0 libubsan0 libvnc  
libxcb-xinerama0 linux-libc-dev make manpages-dev qt5-gtk-  
qttranslations5-l10n virtualbox virtualbox-dkms virtualbox  
0 upgraded, 47 newly installed, 0 to remove and 7 not upgrad  
Need to get 63.4 MB of archives.  
After this operation, 275 MB of additional disk space will b  
Do you want to continue? [Y/n] y
```

Confirm the installation. Type `y` when prompted, then press `? Enter`.

5.



```
libstdl1.2debian libstdc++-7-dev libtsan0 libubsan0 libvncserver1  
libxcb-xinerama0 linux-libc-dev make manpages-dev qt5-gtk-platformtheme  
qttranslations5-l10n virtualbox virtualbox-dkms virtualbox-qt  
0 upgraded, 47 newly installed, 0 to remove and 7 not upgraded.  
Need to get 63.4 MB of archives.  
After this operation, 275 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libdouble-conv  
1 amd64 2.0.1-4ubuntu1 [33.0 kB]  
Get:2 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libqt5core5a a  
.9.5+dfsg-0ubuntu1 [2,035 kB]  
Get:3 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libqt5dbus5 am  
9.5+dfsg-0ubuntu1 [196 kB]  
Get:4 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libqt5network5  
5.9.5+dfsg-0ubuntu1 [634 kB]  
Get:5 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libxcb-xineram  
64 1.13-1 [5,256 B]  
Get:6 http://us.archive.ubuntu.com/ubuntu bionic/main amd64 libqt5gui5 amd  
9% [6 libqt5gui5 2,416 kB/2,566 kB 94%] 475 kB/s
```

Wait for VirtualBox to finish installing. This will take a few minutes. When you see your computer account's username appear to the left of the command line, Terminal has successfully installed VirtualBox and is awaiting further commands.

```
vboxpci.ko:
Running module version sanity check.
- Original module
- No original module exists within this kernel
- Installation
- Installing to /lib/modules/4.15.0-29-generic/updates/dkms/

depmod.....

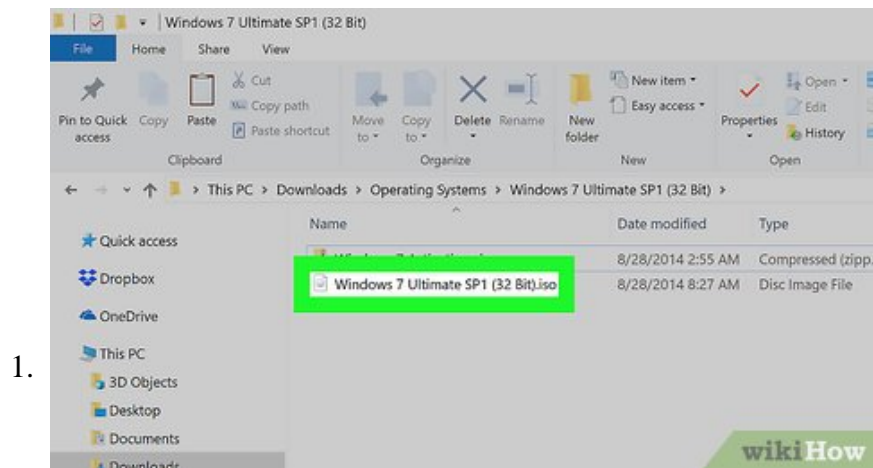
DKMS: install completed.
Setting up virtualbox (5.2.10-dfsg-6ubuntu18.04.1) ...
vboxweb.service is a disabled or a static unit, not starting it.
Setting up virtualbox-qt (5.2.10-dfsg-6ubuntu18.04.1) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Processing triggers for systemd (237-3ubuntu10.9) ...
Processing triggers for fontconfig (0.100.0-20) ...
wikihowsteve@ubuntu:~$ virtualbox
```

6.

Open VirtualBox. Type in `virtualbox` and press `Enter` to do so. This will prompt the VirtualBox main window to open. Now that you've installed and opened VirtualBox, you can proceed with creating a virtual machine in order to run any operating system on your computer.

Part 4 of 4:

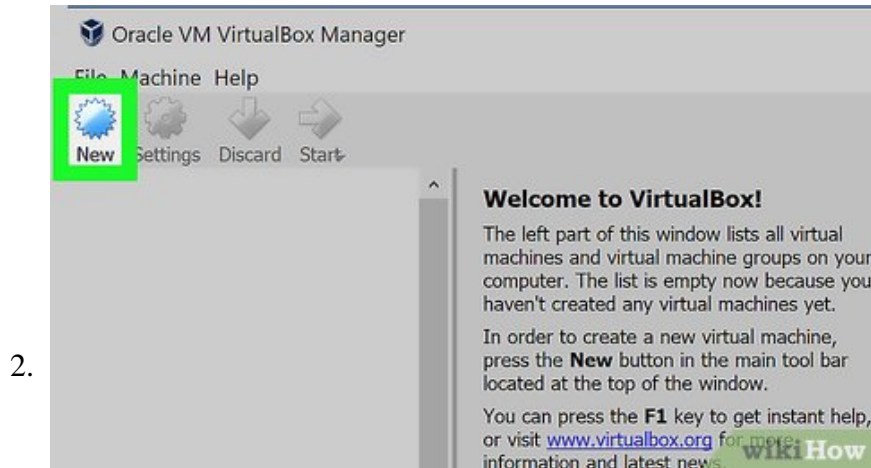
Creating a Virtual Machine



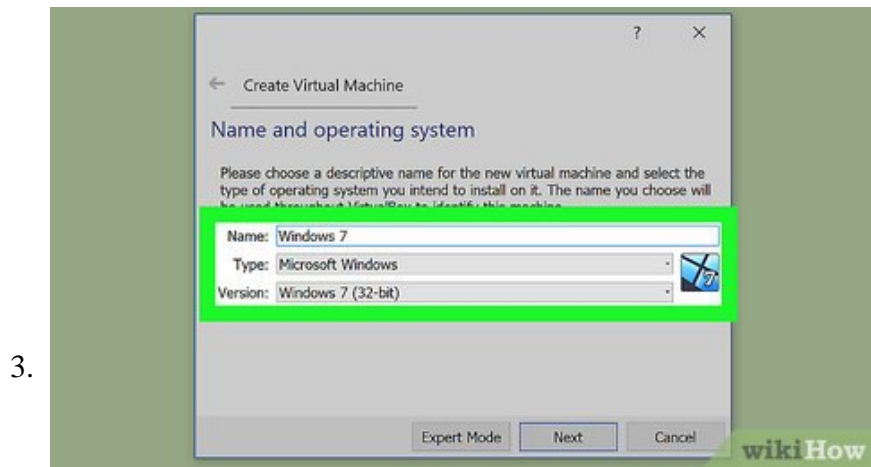
1.

Gather your installation disc(s) or files. When creating a virtual machine, you will need to install the operating system just like you would on a regular computer. This means that you will need the installation disc(s) for the operating system you want to install on the virtual machine.

1. You can also install an operating system by using its ISO file.



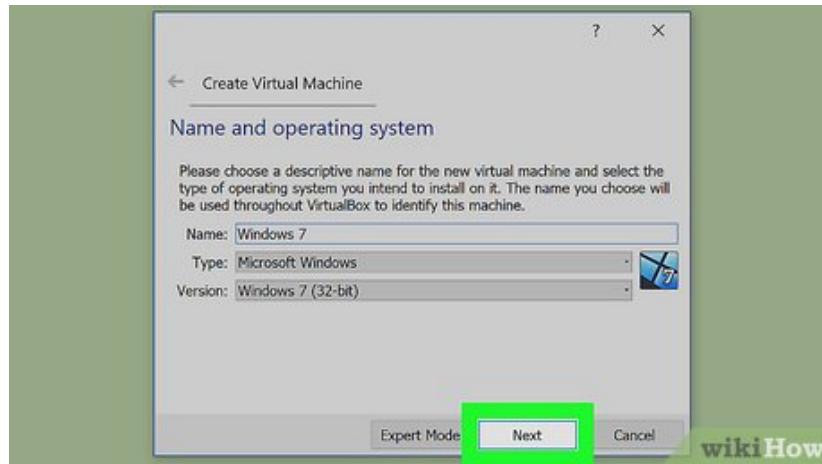
Click **New**. This will open the wizard that will guide you through the process to create your first virtual machine.



Identify the operating system. On the first screen of the wizard, you will be asked to give the new virtual machine a name as well as choose what operating system you will be installing. Choose the type of operating system from the "Type" menu, and then choose which version you are installing from the "Version" menu.

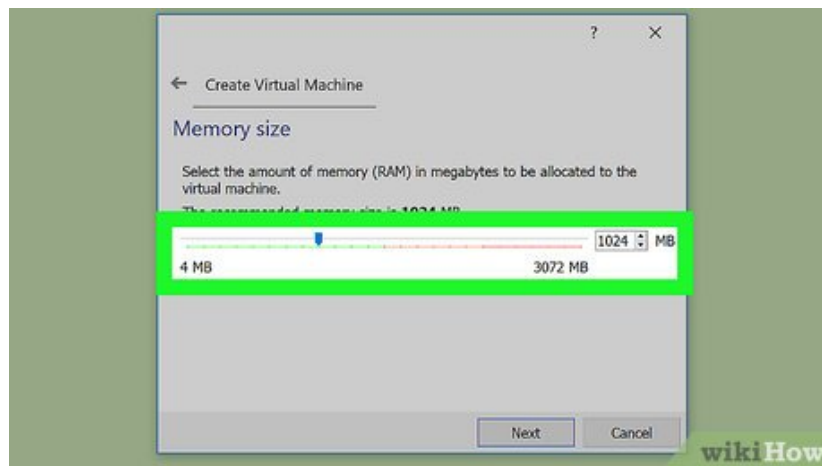
1. For example, if you are installing Windows 7, choose "Microsoft Windows" from the Type menu, and then "Windows 7" from the Version menu.
2. If you are installing the 64-bit version of the operating system, make sure to choose the 64-bit version from the Version menu.

4.



Click **Next**. It's at the bottom of the window.

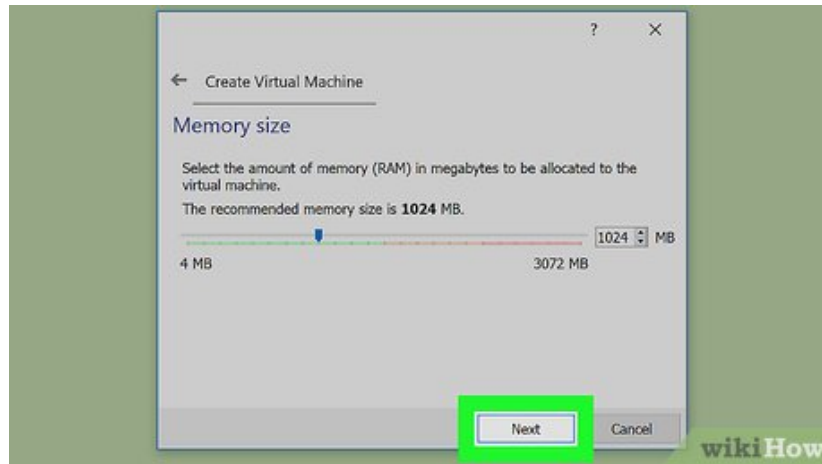
5.



Set the amount of RAM. You will need to designate how much of your computer's RAM will be allocated to your virtual machine. VirtualBox will automatically choose the recommended minimum amount for the operating system you selected, but you can increase or decrease this if you'd like.

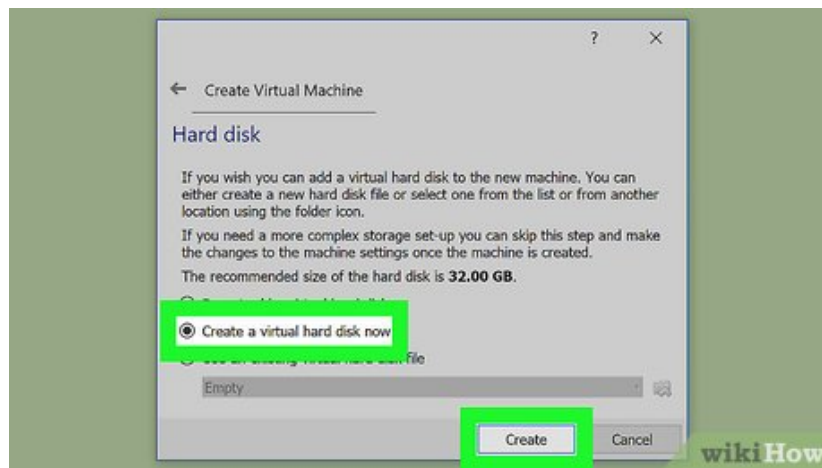
1. You can only go as high as the amount of RAM physically installed in your system.
2. It is not recommended that you set it to the max amount, as there won't be any left for your regular operating system to use when the virtual machine is running.

6.



Click **Next**.

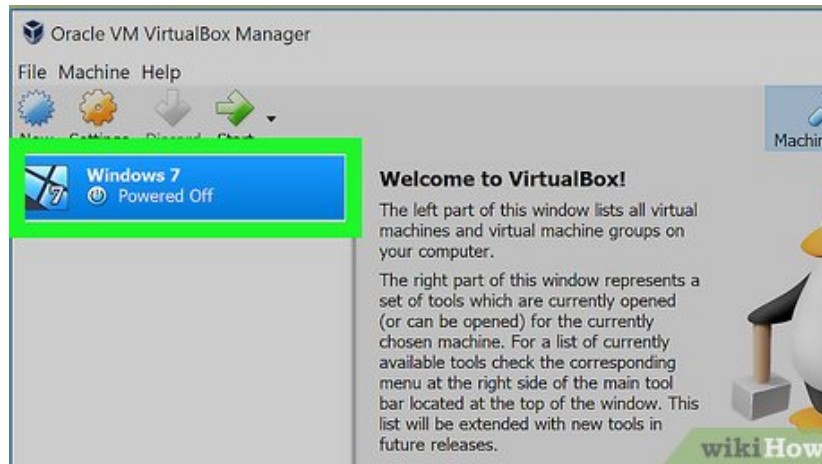
7.



Create a virtual hard drive. Select a virtual hard drive option and click **Create**, then click through the prompts and click **Create** again. Your virtual machine will need a virtual hard drive in order to install the operating system and any programs.

1. Make sure that the virtual hard drive has at least enough space to install the operating system. Check the specifications for your operating system to see how much space you should allocate at minimum.
2. Remember that any programs you install will also take up space on your virtual hard drive, so plan accordingly.
3. The most common format for virtual hard drives is VDI (VirtualBox Disk Image).

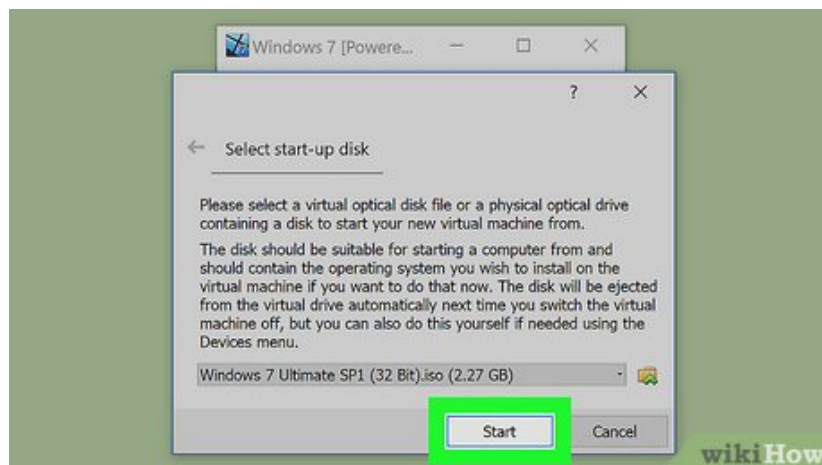
8.



Start the operating system installation. Once the virtual machine has been configured, the wizard will close and you will be taken back to the VirtualBox main window. Double-click your new machine in the left menu, then do one of the following:

1. If you are installing from a disc, insert it into your computer, click the "Host drive" drop-down box and click the correct drive letter from the drop-down menu.
2. If you are installing from an image file, click the folder-shaped icon to browse through your computer for the installation image file.

9.



Click **Start**. It's at the bottom of the window. This will prompt VirtualBox to begin reading your disk or file.

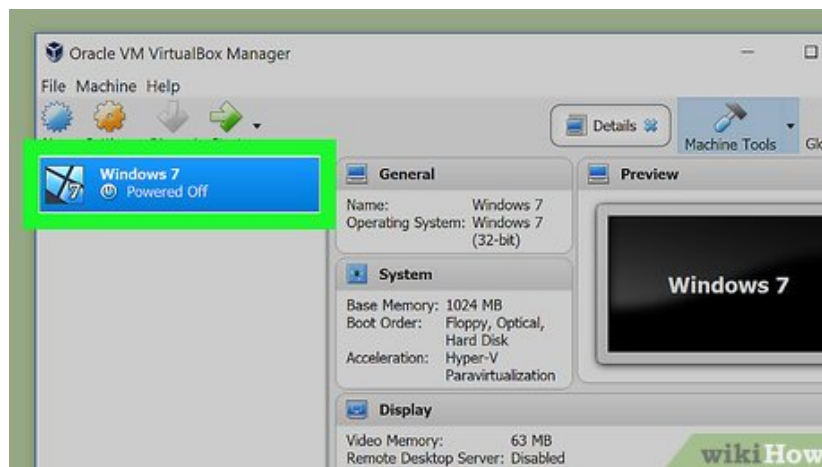
10.



Install the operating system. After selecting the installation media, the operating system installation will begin. Installation proceeds the same way it would as if you were installing the operating system on a regular computer. See the following guides for instructions on installing the operating system of your choice:

1. Windows 8
2. Windows 7
3. Windows Vista
4. Windows XP
5. Install OS X
6. Linux Mint
7. Ubuntu Linux

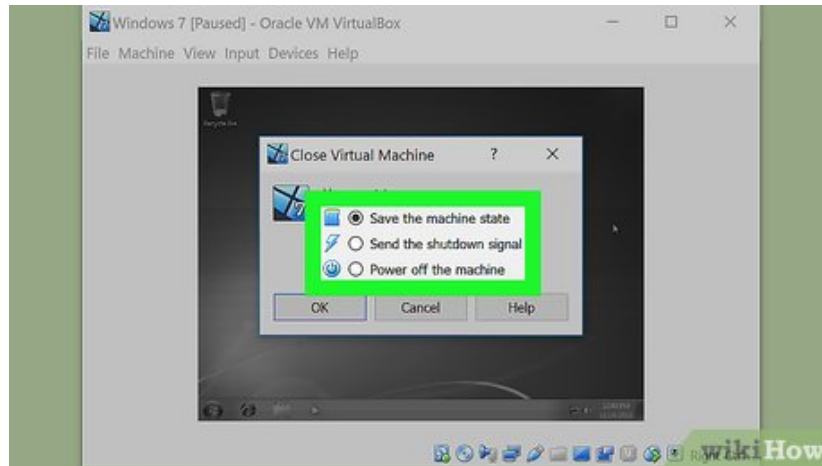
11.



Boot up your virtual machine. Once the operating system is installed, your virtual machine is ready to go. Simply double-click the name of your virtual machine in the left menu of the VirtualBox main page to start it up. The virtual computer will boot and load into the operating system that you installed.

1. Your virtual machine will run in a window. Whenever the virtual machine window has focus, any keystrokes or mouse clicks will affect the virtual machine and not your physical computer.

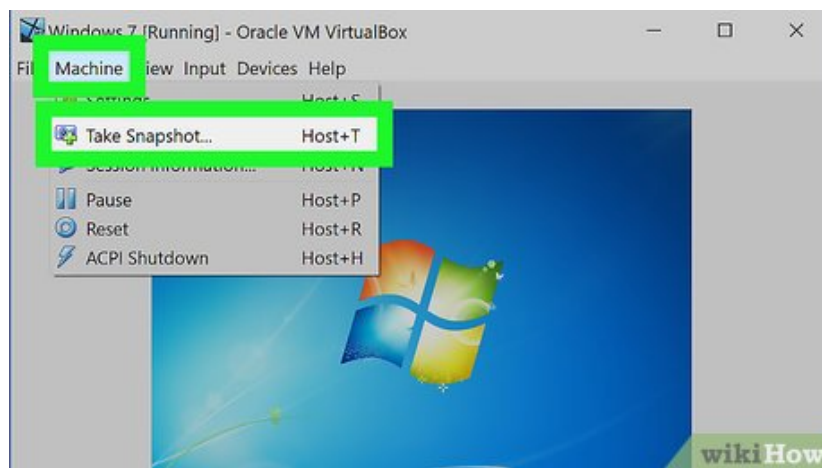
12.



Shut down your virtual machine. You have a couple of different options when closing your virtual machine, and each will affect the machine slightly differently. When you click the "X" in the upper-right corner of the window, you will be presented with several options:

1. **Save the machine state** - This will save the virtual machine in exactly the state that it's in when you close it. Any programs you are running will be saved in their current state, and everything will be restored when you start the machine again.
2. **Send the shutdown signal** - This will send a power-down signal to the virtual machine, and it will shut down as if the power button was pressed on a physical computer.
3. **Power off the machine** - This will power down the machine as if power was cut to the computer. Nothing will be saved.

13.



Take snapshots of your virtual machine. VirtualBox allows you to copy your virtual machine's exact state, allowing you to return to that state at any time. This is incredibly useful for testing software or other configurations.^[2]

1. You can take a snapshot by clicking the **Machine** menu and selecting **Take snapshot**. The snapshot will be added to the list of your virtual machines on the left side of the VirtualBox menu.
2. You can restore a snapshot by right-clicking the snapshot and selecting **Restore**. Any changes to your virtual hard drive since the time the snapshot was created will be lost when the snapshot is restored.

You finished reading the article "**How to Install VirtualBox**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and

guides. Thank you for reading and for following us regularly.
