AIO Boot

How to install macOS Mojave on VMware Workstation

MACOS

How to install macOS Mojave on VMware Workstation

| APRIL 2, 2018 | TU NGUYEN | 74 COMMENTS

macOS Mojave is the latest version of the macOS operating system, you can easily install macOS Mojave on VMware Workstation.

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Introduction

macOS is a proprietary operating system that runs on Apple Macs. There are now many techniques you can use to install macOS on your Intel PC (Hackintosh). From Windows, you can use **Clover Boot Disk** to create macOS Mojave bootable USB with just a few clicks. But not all hardware is supported, and you also need to refer to a lot of documentation so that macOS can be installed and running on your computer.

An easier way to experience macOS right on a computer running Windows or Linux is to install macOS on VMware Workstation. The advantage of this is that you will be familiar with the installation and use without affecting the settings on the computer. By using virtual machines, you can use macOS and Windows or Linux simultaneously. Using virtual disks ensures that all data on the real disks will not be affected. But I noticed running macOS on the VM is very slow, although I set it up to 4GB of RAM.

This article will guide you how to install macOS Mojave on VMware Workstation. I created a virtual disk containing the macOS installer, you just downloaded it, attached it to the virtual machine, and installed it. I'm not sure if VMware Workstation 12 supports macOS 10.14 virtual machines, but version 14 and 15 has support. I tested on VirtualBox and it does not work.
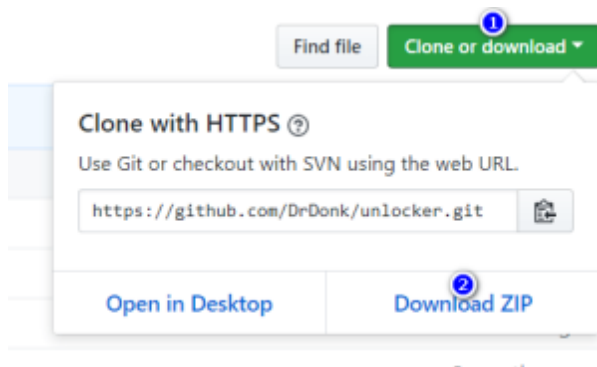

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VMware macOS Unlocker

By default, VMware does not provide the option to create macOS and Mac OS X machines. Fortunately there is a tool that helps me unlock this option, this tool is **VMware macOS Unlocker**. It supports Windows, Linux and MacOS. Skip this step if you were able to create a macOS virtual machine.

1. Go to the VMware macOS Unlocker page to download. Click the **Clone or download** button, then click **Download ZIP**.
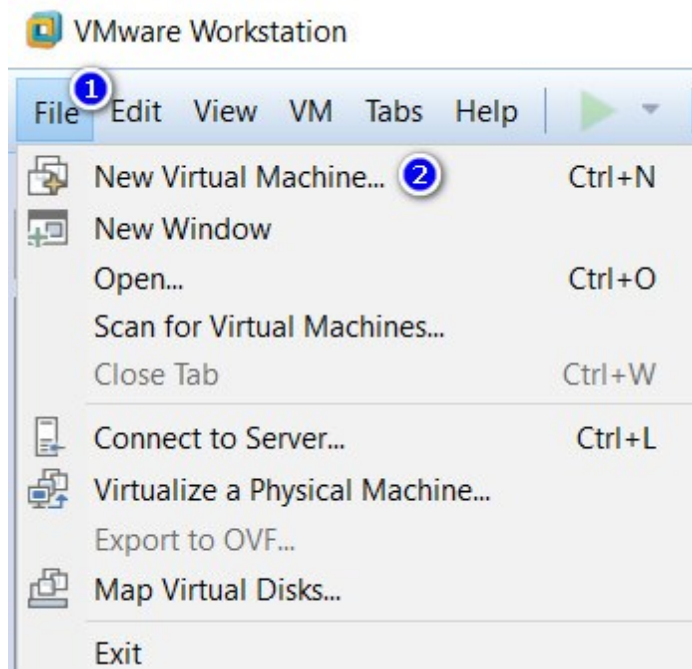

2. Power off all virtual machines running and exit VMware.
3. Extract the downloaded **.zip** file in **step 1**.
4. On Windows, right-click on the **win-install.cmd** file and select **Run as Administrator** to unlock. For Linux and macOS, run the **lnx-install.sh** or **osx-install.sh** files under root (not tested).
5. After the unlock process is complete, run VMware to create the macOS virtual machine.

Create macOS virtual machine

Creating a macOS virtual machine is very simple, here are the steps to create a virtual machine on VMware Workstation:
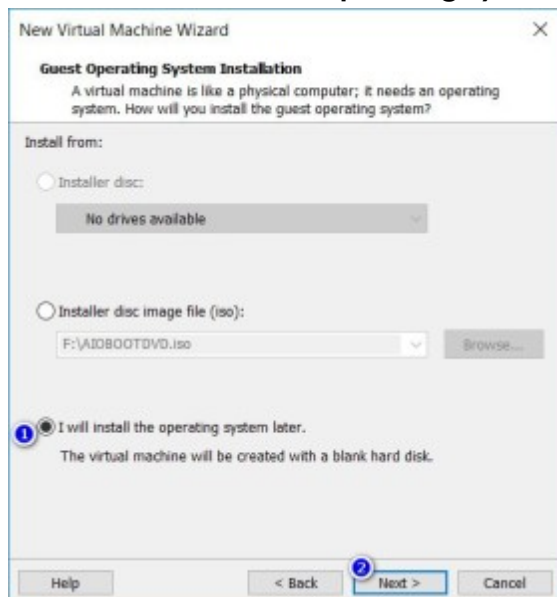
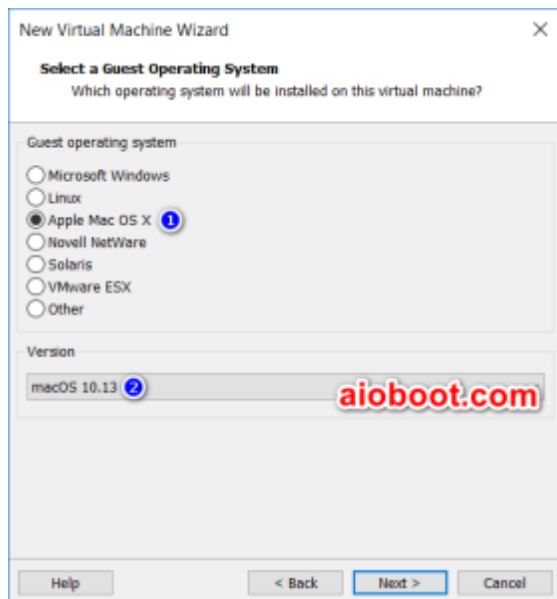1. Click **File**, select **New Virtual Machine...**

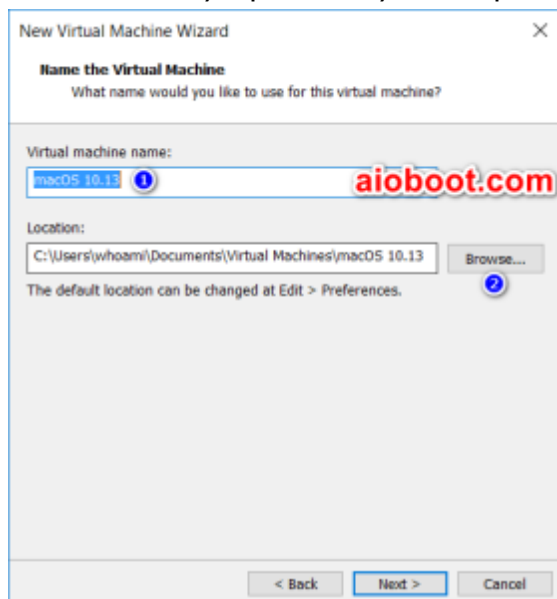2. Select **Typical (recommended)** and click **Next**.

3. Select **I will install the operating system later.** and click **Next**.

4. Select **Apple Mac OS X** in the **Guest operating system** section and select **macOS 10.14** in the **Version** section. Click **Next**.

5. In the **Name the Virtual Machine** window, name the virtual machine and virtual machine directory. I personally would put it on a different drive than the system drive.
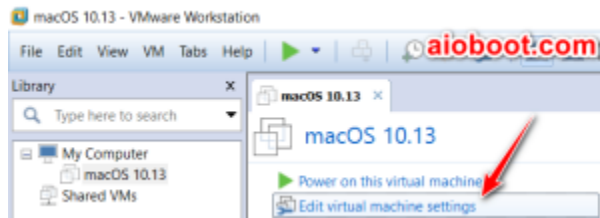

6. Select the size for the new virtual disk in the **Specify Disk Capacity** window. This is the virtual disk to be installed macOS. Click **Next** and then **Finish**.
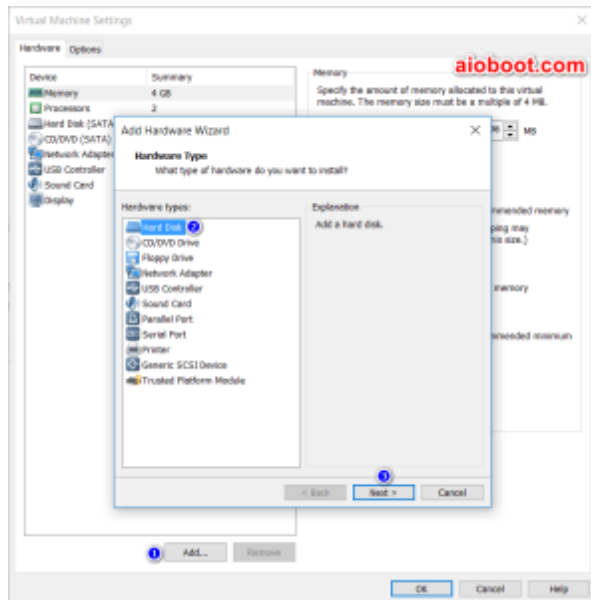
Add macOS image

After creating the virtual machine, we have a virtual disk to install macOS Mojave. Now we just need to add a new virtual disk containing the macOS installer. You can also create a macOS bootable USB, then boot USB in VMware Workstation to install but using a virtual hard disk will be a lot simpler.

1. Download the OSX_10.14.0_Installer.vmdk file. This is an installation image of macOS Mojave. You do not need to use the Hackintosh ISO.

2. Select the virtual machine just created, click on **Edit virtual machine settings**.

3. In the **Memory** section, you can increase the value to make the virtual machine run faster. I increased it to 4096MB (4GB) but macOS still runs very slowly.

4. Click **Add...**, then select **Hard Disk** and click **Next**.

5. In the **Select a Disk Type** window, click **Next**.

6. Select **Use an existing virtual disk** in the **Select a Disk** window and click **Next** to continue.

7. In the **Select an Existing Disk** window, click **Browse...** to select the **OSX_10.14.0_Installer.vmdk** file that you downloaded in **step 1**.

8. Click **Finish**, then click **OK** in the **Virtual Machine Settings** window.

Install macOS

Now you can boot the virtual machine to install macOS Mojave. I encountered an error when I clicked the **Power on this virtual machine** button:
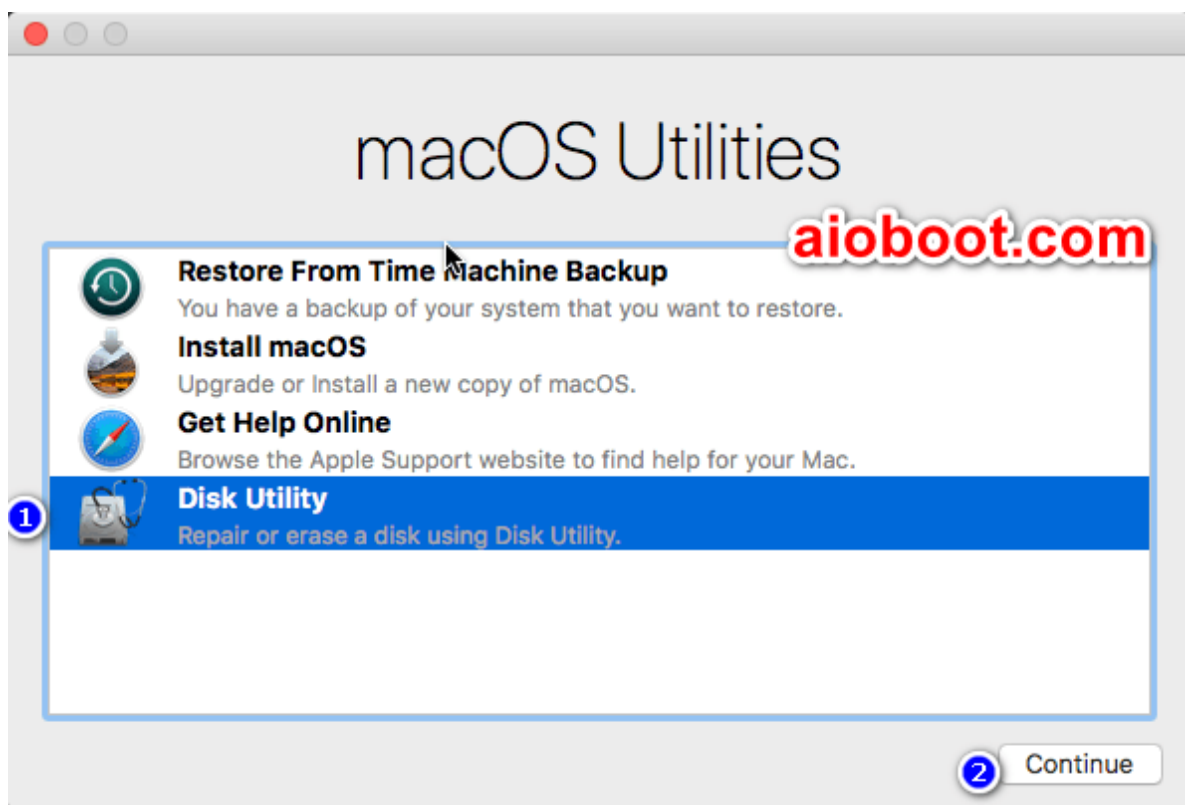
```
VMware Workstation unrecoverable error: (vcpu-0)
vcpu-0:VERIFY


vmcore/vmm/main/physMem_monitor.c:1279
```

If you get the same error, you can fix this by adding the line "**smc.version = "0"**" to the "**%ProgramData%\VMware\VMware Workstation\config.ini**" file. The easiest way is to run **Command Prompt** under Admin (find **cmd.exe**, then right-click and select **Run as Administrator**), then run the following two commands:

```
echo.>>"%ProgramData%\VMware\VMware Workstation\config.ini"
echo smc.version = "0">>"%ProgramData%\VMware\VMware
Workstation\config.ini"
```

Ok, my virtual machine has booted, I've seen the screen to install macOS.

On the **macOS Utilities** screen, you need to run **Disk Utility** to create an **APFS** partition to install the macOS Mojave.
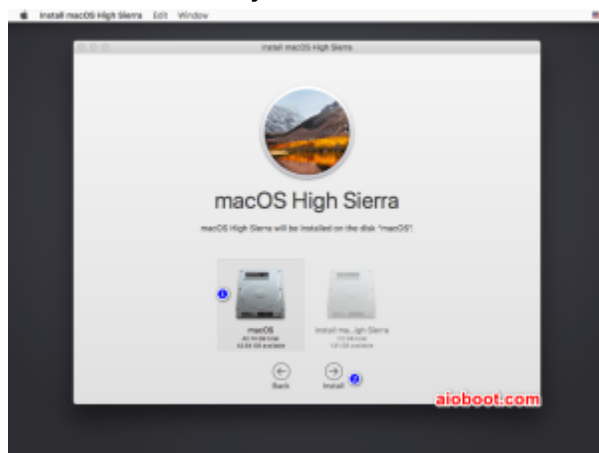
1. In the left column, you will see the virtual hard disk you created above (**VMware Virtual...**). Select it and click the **Erase** button.
2. Under **Name**, enter a name for the new partition.
3. macOS Mojave requires a partition in APFS format for installation. Select **APFS** from the **Format** drop-down list. For older versions, select **Mac OS Extended (Journaled)**.
4. Click the **Erase** button to continue.
5. Once you have an APFS partition, close Disk Utility to start installing macOS.

Go back to the **macOS Utilities** screen:

1. Select **Install macOS** and then click the **Continue** button.
2. Continue to select **Continue**, then **Agree** and **Agree**.
3. In the next window, select the APFS partition you created above. Then click **Install** to install macOS Mojave on VMware Workstation.
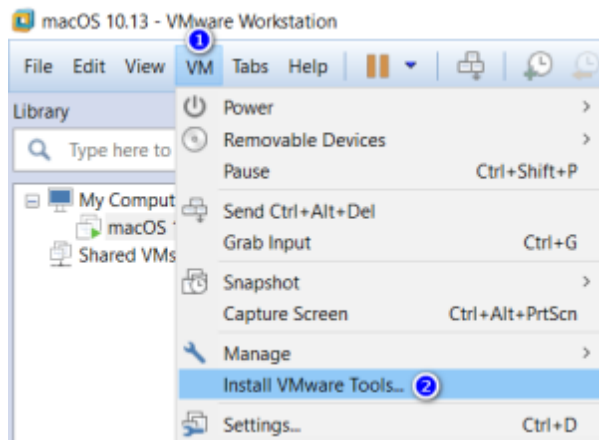

4. The virtual machine will restart several times until it allows you to set up. Please be patient.

Once installed, you can remove the virtual hard disk that you added in the Add macOS image step. Open **Virtual Machine Settings**, select the disk and click the **Remove** button.

Install VMware Tools

It is very important that you install VMware Tools in the virtual machine. Installed VMware Tools will improve the performance and support for additional features. Learn more about installing VMware Tools for the macOS virtual machine at VMware's Web site.

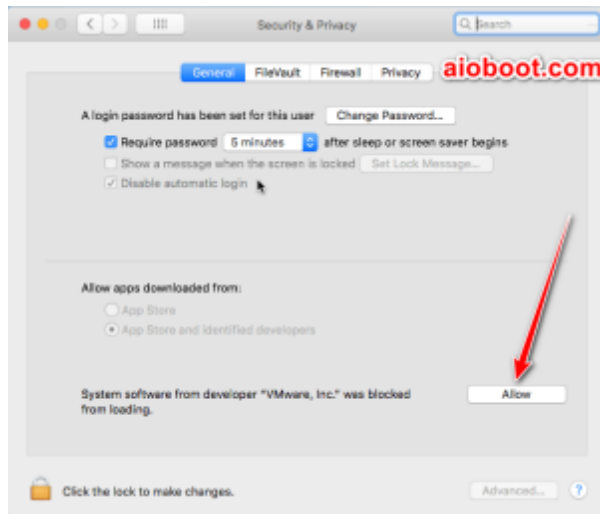1. Select the **VM** from the VMware menu, then select **Install VMware Tools...**

2. VMware will automatically mount the **darwin.iso** file and the **VMware Tools** icon will appear on the virtual machine screen. Double click on this icon to install.

3. Click the **Open Security Preferences** button if you see the message "**System Extension Blocked**".

4. You will see the message "**System software from developer "VMware, Inc." was blocked from loading.**". Click the **Allow** button.

5. Restart the virtual machine.

So you have finished installing macOS Mojave on VMware Workstation. Good luck!

74 THOUGHTS ON "HOW TO INSTALL MACOS MOJAVE ON VMWARE WORKSTATION"

Zah

NOVEMBER 2, 2019 AT 8:41 AM

I have finished all

after pressing install macosx
it shows an error the the file is damaged..

how to fix

Qbaze

NOVEMBER 9, 2019 AT 6:11 PM

disable internet access from vmware
go to terminal and change date i used "date 110913122018"