

[VirtualBox](#)

How to Install macOS Sierra Final on VirtualBox on Windows

10 months ago • 455 Comments • by Techsvviewer



Written by [Techsvviewer](#)

that Siri makes on the Mac. Siri has been designed with new capabilities for the Mac desktop. This is the only way to make the Mac desktop a smart device. Now, You can install macOS Sierra on Windows.

VirtualBox is capable of installing an macOS in your computer as an application. it works perfectly well with Sierra and in order to run macOS on windows, you need a computer with windows that has to be 64-bit, at least 4GB RAM and a dual-core processor. Installing macOS Sierra in VirtualBox is very easy; you download virtual disk and open it with VirtualBox, then create new virtual machine. Here are the steps to install macOS Sierra on VirtualBox on Windows.

Latest preview: 10.12 Final (16A323). September 20, 2016

Download Image:

Google Drive (One Full): <https://goo.gl/OKgCeH>

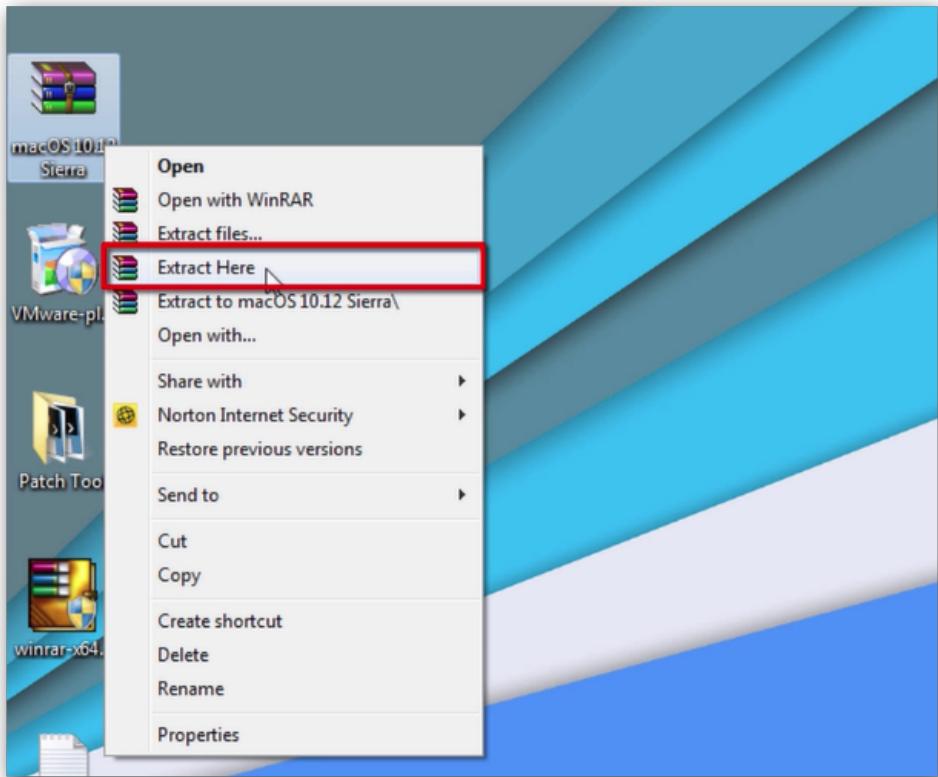
Google Drive (5 of 5): <https://goo.gl/DZTaKi>

Fix Download Limit: <https://techsviewer.com/fix-download-limit>

Steps to Use macOS 10.12 Sierra on VirtualBox on Windows

Step 1: Extract Image File with Winrar or 7zip

Install [Winrar](#), Select Image file, Right click then select “Extract Here”



Right Click then Extract Image

Step 2: Install VirtualBox

This tutorial working with VirtualBox 5.0.



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Step 3: Create New Virtual Machine

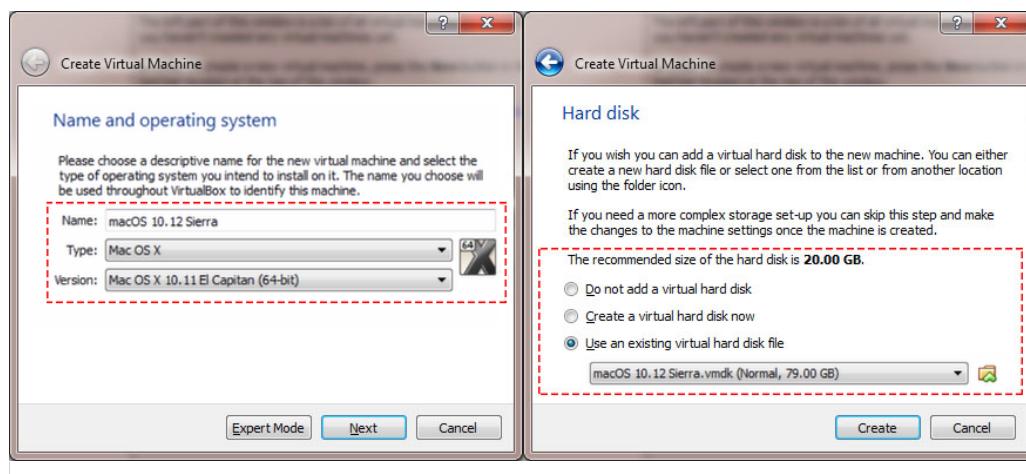
Name: macOS 10.12 Sierra

Type: Mac OS X

Version: Mac OS X 10.11 El Capitan (64 bit) or 10.12 Sierra

Memory size is 4 GB(70% of your Ram)

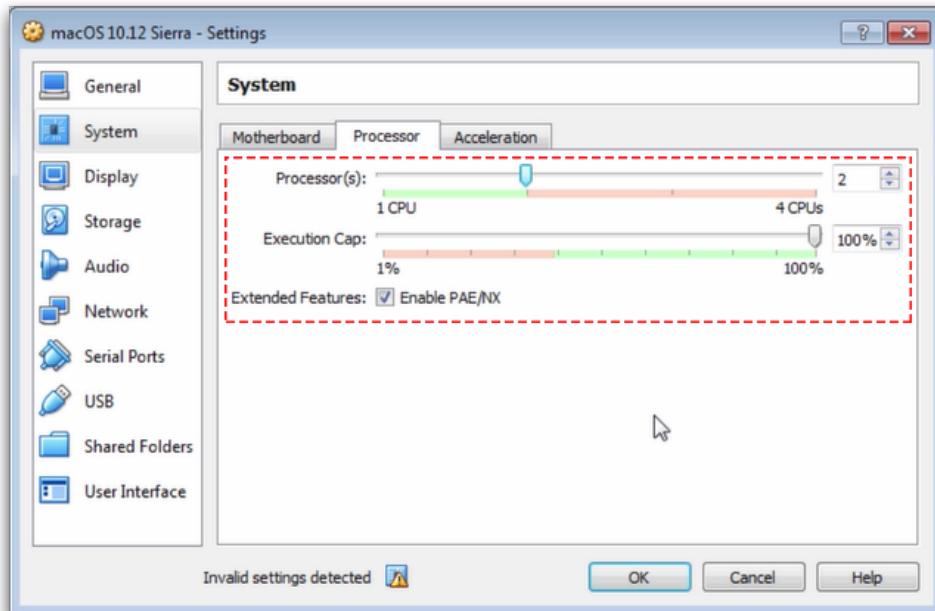
Virtual disk file: macOS 10.12 Sierra.vmdk

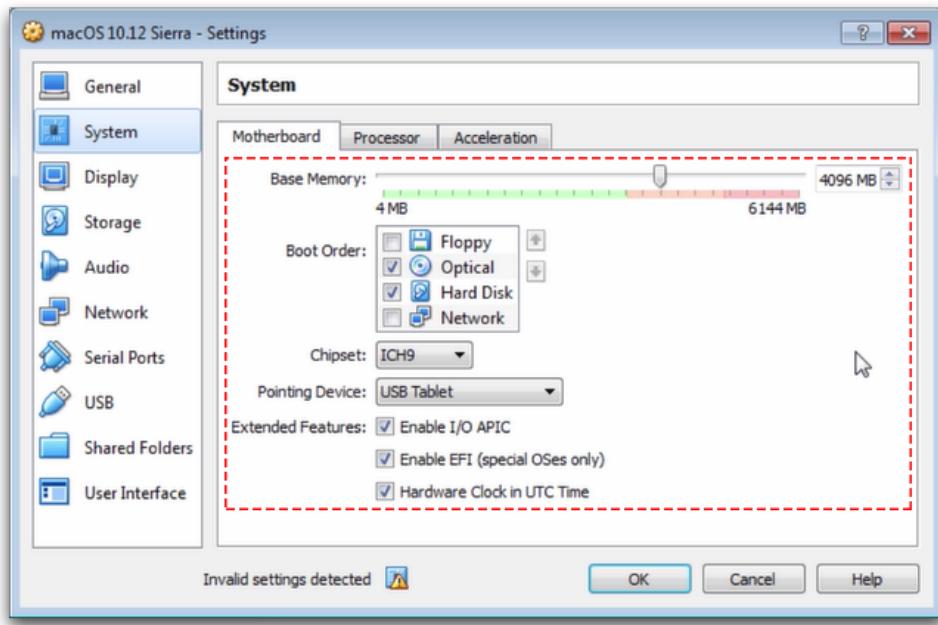


Create New Virtual Machine

Step 4: Edit Your Virtual Machine

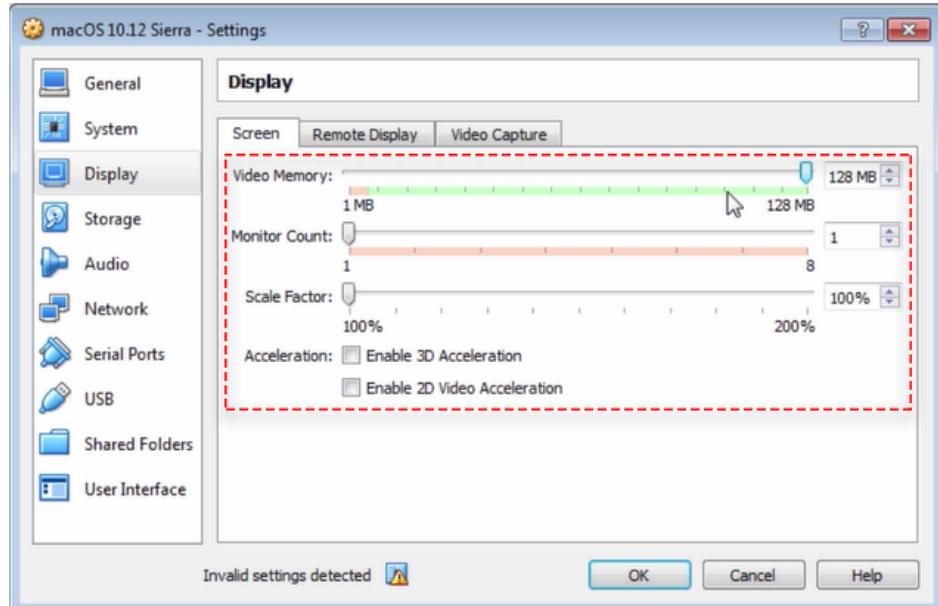
CPU: 2 CPU (my CPU is core i3) and Enable PAE/NX





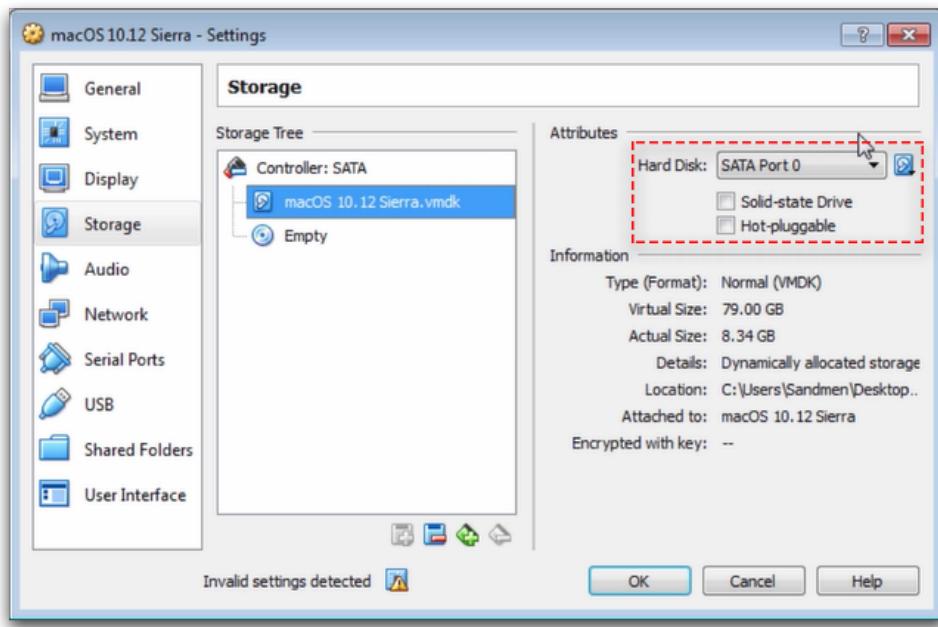
System

Graphics: Set 128 vRam



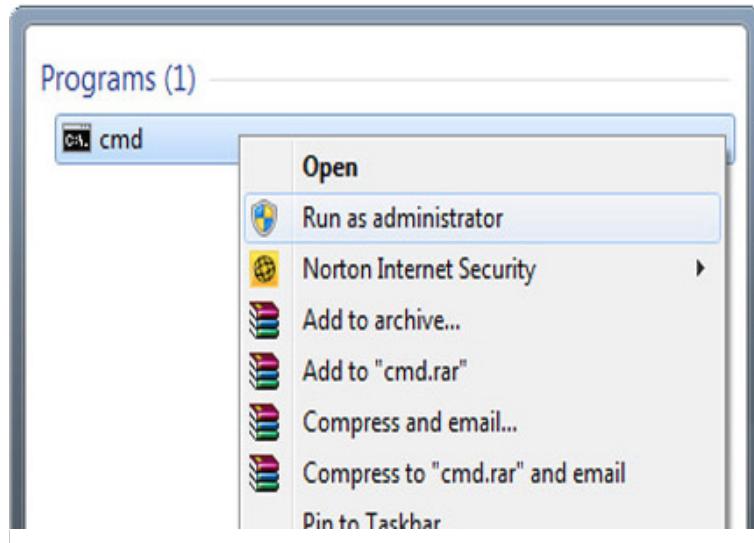
Display

Storage: macOS 10.12 Sierra.vmdk



Hard Disk

Step 5: Add Code to VirtualBox with Command Prompt (cmd)



Run CMD as Admin

Replace “Your VM Name” with your virtual machine name then **Copy – Paste** to Command Prompt

Code for Virtualbox 5.x.x:

```
cd "C:\Program Files\Oracle\VirtualBox\"  
VBoxManage.exe modifyvm "Your VM Name" --cpuidset 00000001 000106e5
```

```

VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/efi/0/Config/DmiSystemVersion" "1.0"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/efi/0/Config/DmiBoardProduct" "Iloveapple"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/smc/0/Config/DeviceKey"
"ourhardworkbythesewordsguardedpleasedontsteal(c)AppleComputerInc"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/smc/0/Config/GetKeyFromRealSMC" 1

```

Code for Virtualbox 4.x.x:

```

cd "C:\Program Files\Oracle\VirtualBox\
VBoxManage.exe modifyvm "Your VM Name" --cpuidset 00000001 000306a9
04100800 7fbae3ff bfebfbff
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/efi/0/Config/DmiSystemProduct" "MacBookPro11,3"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/efi/0/Config/DmiSystemVersion" "1.0"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/efi/0/Config/DmiBoardProduct" "Iloveapple"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/smc/0/Config/DeviceKey"
"ourhardworkbythesewordsguardedpleasedontsteal(c)AppleComputerInc"
VBoxManage setextradata "Your VM Name"
"VBoxInternal/Devices/smc/0/Config/GetKeyFromRealSMC" 1

```

```

Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd "C:\Program Files\Oracle\VirtualBox\"

C:\Program Files\Oracle\VirtualBox>VBoxManage.exe modifyvm "macOS 10.12 Sierra"
--cpuidset 00000001 000106e5 00100800 0098e3fd bfebfhff

C:\Program Files\Oracle\VirtualBox>VBoxManage setextradata "macOS 10.12 Sierra"
"VBoxInternal/Devices/efi/0/Config/DmiSystemProduct" "iMac11,3"

C:\Program Files\Oracle\VirtualBox>VBoxManage setextradata "macOS 10.12 Sierra"
"VBoxInternal/Devices/efi/0/Config/DmiSystemVersion" "1.0"

C:\Program Files\Oracle\VirtualBox>VBoxManage setextradata "macOS 10.12 Sierra"
"VBoxInternal/Devices/efi/0/Config/DmiBoardProduct" "Iloveapple"

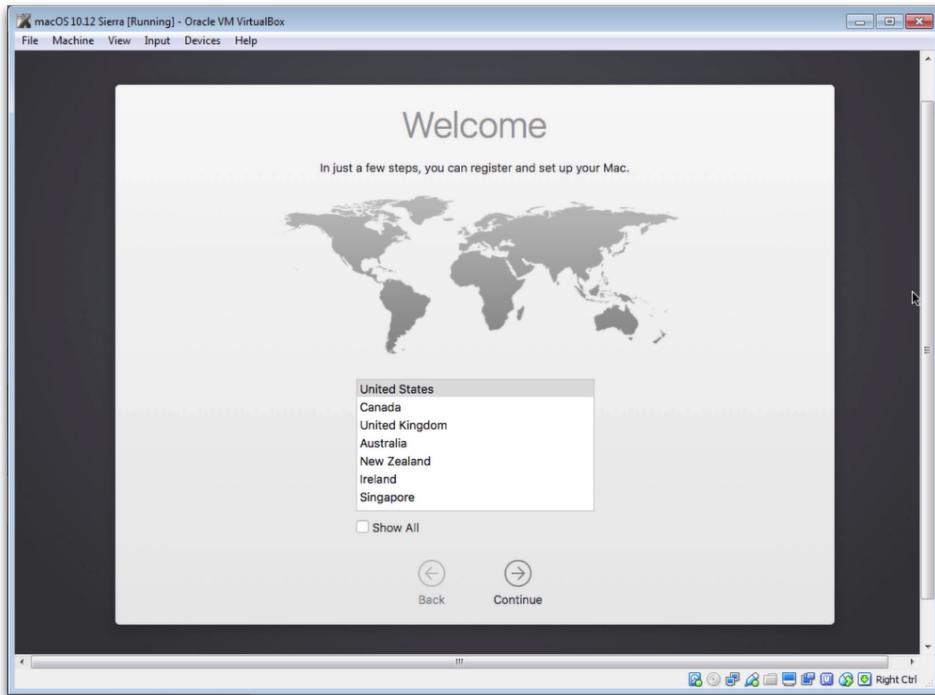
C:\Program Files\Oracle\VirtualBox>VBoxManage setextradata "macOS 10.12 Sierra"
"VBoxInternal/Devices/smc/0/Config/DeviceKey" "ourhardworkbythesewordsguardedple
asedontsteal(c)AppleComputerInc"

C:\Program Files\Oracle\VirtualBox>VBoxManage setextradata "macOS 10.12 Sierra"
"VBoxInternal/Devices/smc/0/Config/GetKeyFromRealSMC" 1

C:\Program Files\Oracle\VirtualBox>

```

Add code to VirtualBox



Sierra Welcome Screen



macOS Sierra 10.12 on VirtualBox on Windows

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Many people who have bought the new OS are probably worried that it is very slow on their Macs. There are a few solutions that can help you determine whether your machine will work with macOS. Some of them include the following.



How to enable NTFS Write on macOS Sierra

#macOS Sierra on Windows #Sierra Final on VirtualBox



How to Install macOS Sierra Final on
VMware on Windows



macOS Sierra Slow? Fixes Here

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About the author



Techsviewer

Hi. I am very happy to welcome you my friends. Myself John, and I am a founder & admin of Techsviewer.com. I love to spend time to writing useful tech posts for people and that is the main reason behind the development of the blog. Blogging is my hobby and I am doing it for part time. I am full time worker who is working as an administrator in system & network.

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Join the discussion



jagga

Guest

Solution for infinite bootloop: Make sure you close virtualbox desktop application before entering the commands. It is as simple as that. Close virtualbox before doing step 5. OP should mention this in step 4.

3 [REPLY](#)

⌚ 1 month 11 days ago



Aaron

Guest

boot loop: did all steps in 5 for VBox 5.x.x and add ".exe" to VBoxManage

VBox 5.1.14,

CPU Intel i5 M580

8 GB

win10 enterprise

Error is

AppleKeyStore has error

Soundxxxx assertion in AppleHDAController line 5512



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**trop**

Guest

0
REPLY

i do the step 5 (again) and now it's work



🕒 1 month 11 days ago

**trop**

Guest

0
REPLY

i have the same bug



🕒 1 month 11 days ago

**Sean**

Guest

0
REPLY

After changing settings to PIIX3 and Mac OS X (64 bit), I've got it working. But the Maps (both Apple Maps and Google Maps) only get black screens. Any idea how to fix this?



🕒 1 month 13 days ago

**Lukas**

Guest

0
REPLY

I'm using VBox 5.1.14 – Boot Loop!

Is there already a fix for 5.1?



🕒 1 month 14 days ago ⌂

**Roland de Gilead**

Guest

0
REPLY

Just make sure virtualbox is closed when you execute step 5



🕒 28 days 46 minutes ago

**Techsviewer**

Author

1
REPLY

Hi. Try step 5: add code to cmd.



🕒 1 month 13 days ago

**James P Lawrence**

Guest

0
REPLY

I'm not sure what's happening, but I seem to be in some sort of boot loop,

<https://www.screencast.com/t/IuA5Mx457OBL>

Gone through the steps multiple times, installed on version 5.1, 4.0, 4.3, and finally the same version in article. But each time I get the same error, or it just won't load at all.

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0
REPLY

🕒 1 month 17 days ago ⌂



pfomkaee

Guest

Hi James, I got the same error, it's easy to fix. You will need to completely close the virtualbox before you run commands from CMD Prompt.

I deleted everything and re-tried again and it worked. Yay

0 [REPLY](#)

⌚ 1 month 4 days ago



troy

Guest

I'm getting the exact same problem intel i-7 6600U 2.60GHz

0 [REPLY](#)

⌚ 1 month 17 days ago [▲](#)



Darcy Sabatino

Guest

0 [REPLY](#)

⌚ 1 month 5 days ago



troy

Guest

Not booting up for me, just a lot of white text and then an error booting message. I played around with the system settings in virtualbox, still can't get it to boot up. I have a new dell e7470 with an i7 processor. Any suggestions?

0 [REPLY](#)

⌚ 1 month 17 days ago [▲](#)



Techsviewer

Author

Hi. Check VirtualBox version. You should create new virtual machine (step by step). Try!

0 [REPLY](#)

⌚ 1 month 13 days ago



jens

Guest

can you please share the tool that makes macOS faster like you did with El Capitan?

0 [REPLY](#)

⌚ 1 month 18 days ago [▲](#)



Techsviewer

Author

Hope you wait. I'll make this tutorial.

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jens

Guest

crazy. Waiting for tool for Virtualbox

0

thanks. I know Wmware is faster but i don't wanna use
Wmware cuz it makes my ethernet drivers go super

🕒 1 month 17 days ago



Jordan

Guest

Hey,
I done all the steps on your guide.
but this message appeared:
<http://imgur.com/a/ccbbx>
(sry for my bad english)

0

🕒 1 month 18 days ago ⌛



pfomkaee

Guest

Hi Guys, I got the same error. You need to completely close the Virtualbox before you run the scripts in command prompt.
Try again dude.

0

🕒 1 month 4 days ago



Tom Lake

Guest

I just found the answer a few minutes ago! I had to change the version (in the General setting, Basic tab) from "Mac OS X 10.11 El Capitan (64-bit)" to "Mac OS X (64-bit)" Now I no longer get the Guru Meditation error.

0

🕒 1 month 10 days ago



Tom Lake

Guest

I get the same message. I hope there's a solution!

0

🕒 1 month 10 days ago



Techsviewer

Author

Hi my friend. What is your processor? Check your VirtualBox version and create new virtual machine.

0

🕒 1 month 18 days ago



Abhishek

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⌚ 1 month 19 days ago ⚡



Techsviewer



Install bootloader help you fix this problem.

Author



⌚ 1 month 19 days ago ⚡



Daniel



Please, can u tell me how to install bootloader? I tried Clover and multibeast and no one working (booth says incopatible with this operating system when i tried install them)

I try install Clover even on El Capitan with same error.

Thanks



⌚ 1 month 12 days ago ⚡



Techsviewer



I'll check this and make a tutorial.

Author



⌚ 1 month 12 days ago ⚡



Zavalos



is this tutorial ready ??

please help us



⌚ 1 month 6 days ago ⚡



ora



Can you be a little more specific please? by the way, worked for me like a charm too! Thanks!

Guest



⌚ 1 month 13 days ago ⚡



Kev



I received this error...

Guest

FATAL: No bootable medium found! System halted.

I downloaded the file

macOS 10.12 Sierra Final by TechReviews.vmdk on your google drive.

I'm using AMD

AMD PRO 5000

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⌚ 1 month 19 days ago ⚡



Techsviewer



Author

Hi. You should use Yosemite AMD Version. Follow this tutorial: <https://techsviewer.com/install-mac-os-x-10-10-yosemite-amd-on-windows-on-vmware-player-and-workstation/>



⌚ 1 month 19 days ago



Bode



Guest



⌚ 1 month 20 days ago ⚡



Techsviewer



Hi. Can you give me a screenshot?

Author



⌚ 1 month 20 days ago ⚡



Nik



Guest



⌚ 1 month 19 days ago ⚡



Techsviewer



Author



⌚ 1 month 19 days ago ⚡



Isteak



Guest

i have the same problem.. sorry i dont know how to add the screenshot but the problem starts at
HID: Legacy shim 2
unexpected session 100000 uid: -1 requested by:31
AppleKeyStore: operation failed (pid: 31 sel: 7 ret: e00002c2 '-536870206')



⌚ 1 month 17 days ago

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⌚ 1 month 13 days ago



Guest

Shefa Khairullah

I followed all the steps and then this happened ‘VT-x is disabled in the BIOS for all CPU modes (VERR_VMX_MSR_ALL_VMX_DISABLED).’ Please help.



⌚ 1 month 21 days ago ⌛



Techsviewer

Hi. Enable Intel VT-x in BIOS help you fix this problem. Follow this: <https://techsviewer.com/enable-intel-virtualization-technology-vt-x-bios/>



Author



⌚ 1 month 20 days ago



Guest

PetyrVeliki

Worked like a charm on Linux as well. Just instead of “VBoxManage.exe” the command was just with “VBoxManage”. Everything else worked out of the box. Great tutorial 😊



⌚ 1 month 21 days ago



Guest

Kyle

Hi, does this work if I give macOs one core of my cpu?



⌚ 1 month 25 days ago ⌛



Techsviewer

Yes. It's working!



Author



⌚ 1 month 23 days ago



Guest

Will

THANK YOU SO MUCH! It works!

Took me a long time though, an error kept popping up when I tried to enter the code into command line: “This app can’t be run on your PC, please contact software provider.” I found out it was referring to VboxManage.exe, and I looked at the file and apparently it was corrupted and had 0 Bytes. So i downloaded virtual box again and it worked perfectly. Also, I successfully run Xcode on this Virtual Machine, for anyone else trying to do the same.



⌚ 1 month 28 days ago

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Hi, Need help with this

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Guest



⌚ 1 month 28 days ago



Rick



Guest

I am using an Acer Aspire 5516 w/ 4gig ram & 1TB SSD. Windows XP64bit & Virtualbox 5.1.14

Followed all your instructions and all seemed to go without an issue. When I start the machine up nothing happens. No errors, no text, no graphics. Just nothing, not even an indication that there is activity in the virtual machine.



⌚ 1 month 28 days ago



keyan



Guest

UEFI Interactive Shell v2.1

EDK II

UEFI V2.4 (EDK II, 0x00010000)

Mapping table

etc... etc... etc...

press ESC in 1 seconds to skip startup.nsh or any other key to continue.

Shell>

i press esc or any other key and nothing happens. how can i fix this?

thank you



⌚ 1 month 29 days ago ↗



lex



had the same issue.

fixed by adding downloaded .vmdk file in Settings->Storage (Step 4.4)

*by default there is another .vmdk disk just like in the picture and it can be confusing



⌚ 1 month 24 days ago



Juan Carlos



Guest

Hello my friend, I've followed all the steps you say in the tutorial, but when I run the VM I get this error:

HID:legacy shim 2

unexpected session: 100000 uid: -1 requested by:30

appleKeyStore: operation failed (pid:30 sel:7 ret:e00002c2 '-536870206')

My laptop is a i5 processor, 8GB ram, Windows 10 64bits.

Can anyone help me?

I've done exactly each step.

Thanks.

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Techsviewer

Author

1 REPLY

⌚ 1 month 29 days ago



Hi. Create new virtual machine and try step 5 again!



CM360

Guest

0 REPLY

⌚ 1 month 23 days ago



Asanka

Guest

0 REPLY

⌚ 2 months 1 day ago



Techsviewer

Hi. Check your VirtualBox version and step 5.

Author

0 REPLY

⌚ 1 month 29 days ago



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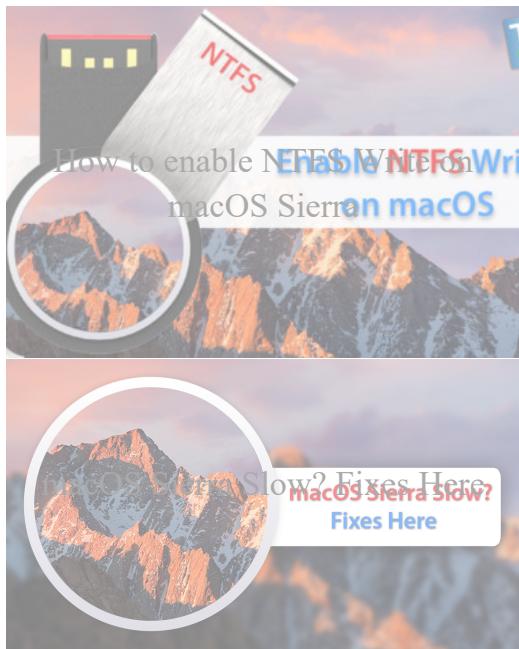
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