

← Create Virtual Machine

Name and operating system

Name: MacOSCatalina

Machine Folder: E:\Virtual Machines

Type: Mac OS X

Version: Mac OS X (64-bit)



Memory size



Hard disk

- ☐ Do not add a virtual hard disk
- ☒ Create a virtual hard disk now
- ☐ Use an existing virtual hard disk file

MacOSCatalina.vdi (Normal, 120.00 GB)



Guided Mode

Create

Cancel

← Create Virtual Hard Disk

File location

E:\Virtual Machines\MacOSCatalina\MacOSCatalina.vdi



File size



Hard disk file type

- ☒ **VDI (VirtualBox Disk Image)**
- ☐ **VHD (Virtual Hard Disk)**
- ☐ **VMDK (Virtual Machine Disk)**
- ☐ HDD (Parallels Hard Disk)
- ☐ QCOW (QEMU Copy-On-Write)
- ☐ QED (QEMU enhanced disk)

Storage on physical hard disk

- ☒ Dynamically allocated
- ☐ Fixed size
- ☐ Split into files of less than 2GB

Guided Mode

Create

Cancel

General

Basic Advanced Description Disk Encryption

Name: MacOSCatalina

Type: Mac OS X 64

Version: Mac OS X (64-bit)

MacOS Catalina - Settings ? ✕

General

Basic Advanced Description Disk Encryption

Snapshot Folder: E:\Virtual Machines\MacOS Catalina\Snapshots

Shared Clipboard: Bidirectional

Drag'n'Drop: Bidirectional

System

Motherboard Processor Acceleration

Base Memory: 4000 MB

4 MB 32768 MB

Boot Order:

- ☒ Optical
- ☒ Hard Disk
- ☒ Network
- ☐ Floppy

Chipset: ICH9

Pointing Device: USB Tablet

Extended Features:

- ☒ Enable I/O APIC
- ☒ Enable EFI (special OSes only)
- ☒ Hardware Clock in UTC Time

OK Cancel

General

System

Display

Storage

Audio

Network

Serial Ports

USB

Shared Folders

User Interface

System

MotherboardProcessorAcceleration

Processor(s):

1 CPU

8 CPUs

4

Execution Cap:

1%

100%

100%

Extended Features:

☒ Enable PAE/NX

☒ Enable Nested VT-x/AMD-V

OK

Cancel

General

System

Display

Storage

Audio

Network

Serial Ports

USB

Shared Folders

User Interface

Display

ScreenRemote DisplayRecording

Video Memory:

0 MB

128 MB

128 MB

Monitor Count:

1

8

1

Scale Factor:

All Monitors

Min

Max

100%

Graphics Controller:

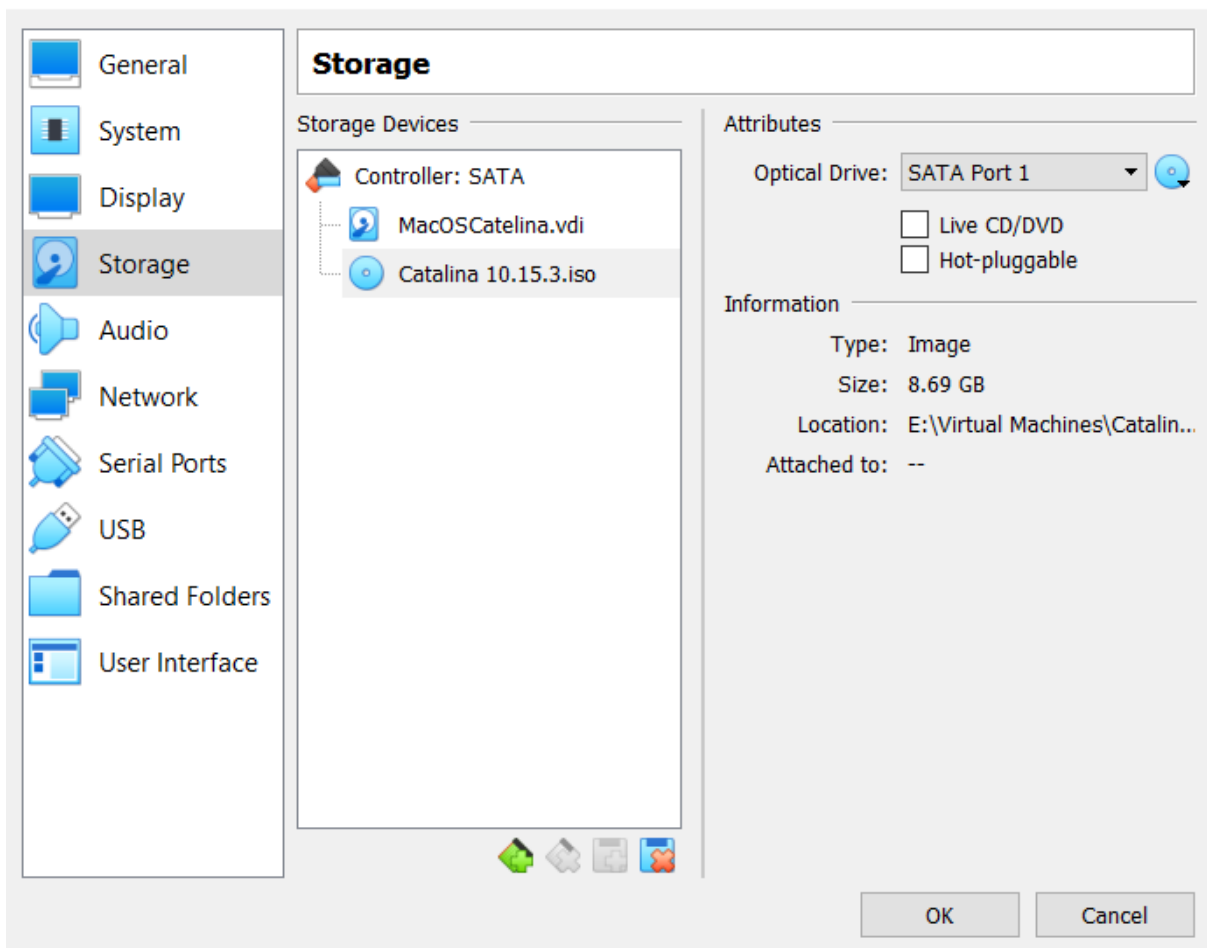
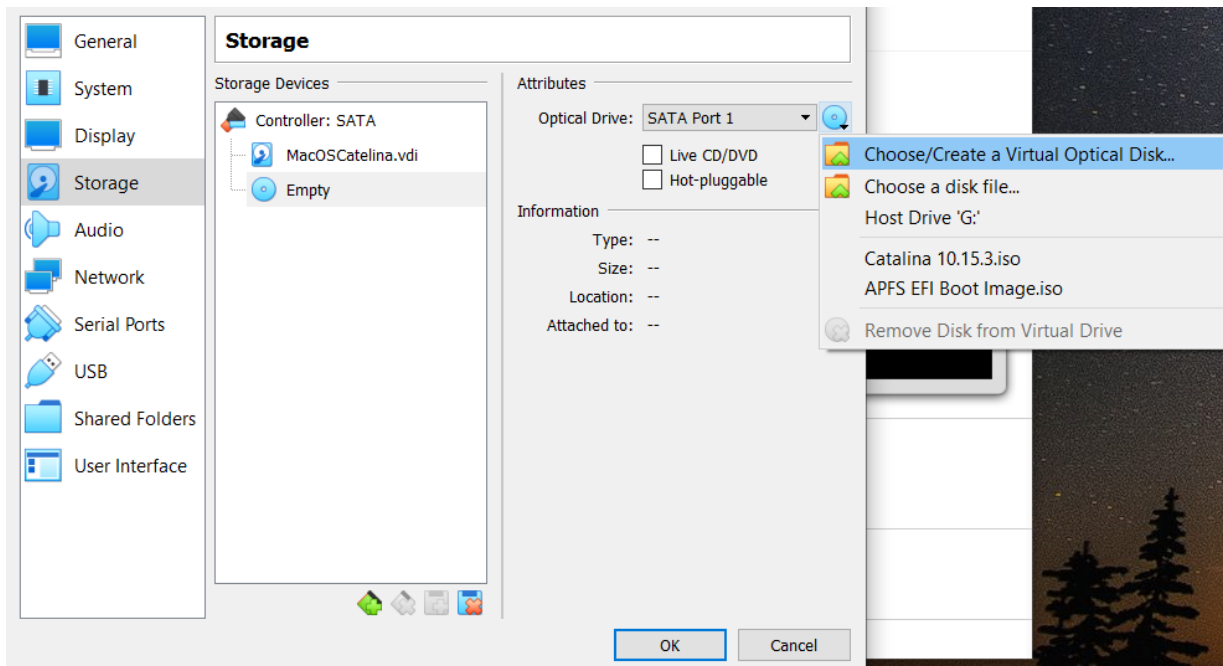
VBoxVGA

Acceleration:

☒ Enable 3D Acceleration

OK

Cancel



Enable nested-hw-virt options:

VBoxManage modifyvm MacOSCatalina --nested-hw-virt on

For Mac Screen resolution Command:

VBoxManage setextradata MacOSCatalina VBoxInternal2/EfiGraphicsResolution 1920x1080

Unlock For VirtualBox vor MacOS Commands:

VBoxManage.exe modifyvm MacOSCatalina --cpuidset 00000001 000106e5 00100800 0098e3fd bfebfbff

VBoxManage setextradata MacOSCatalina "VBoxInternal/Devices/efi/0/Config/DmiSystemProduct" "iMac11,3"

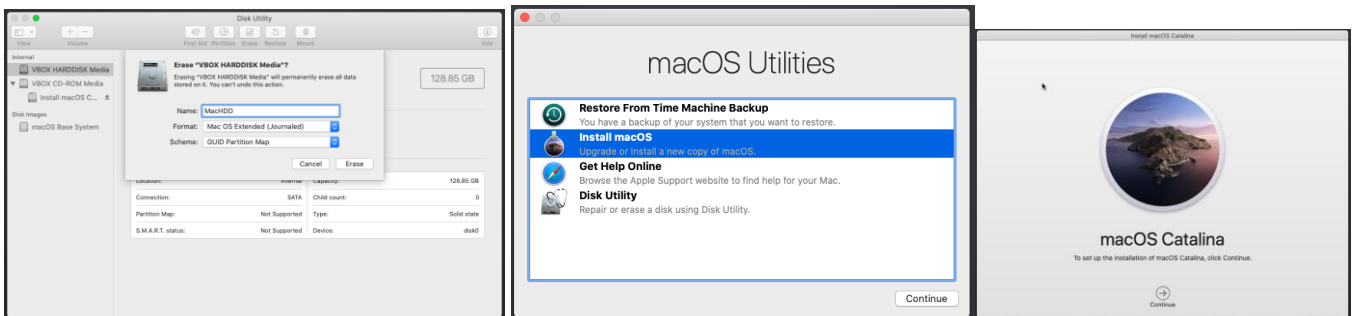
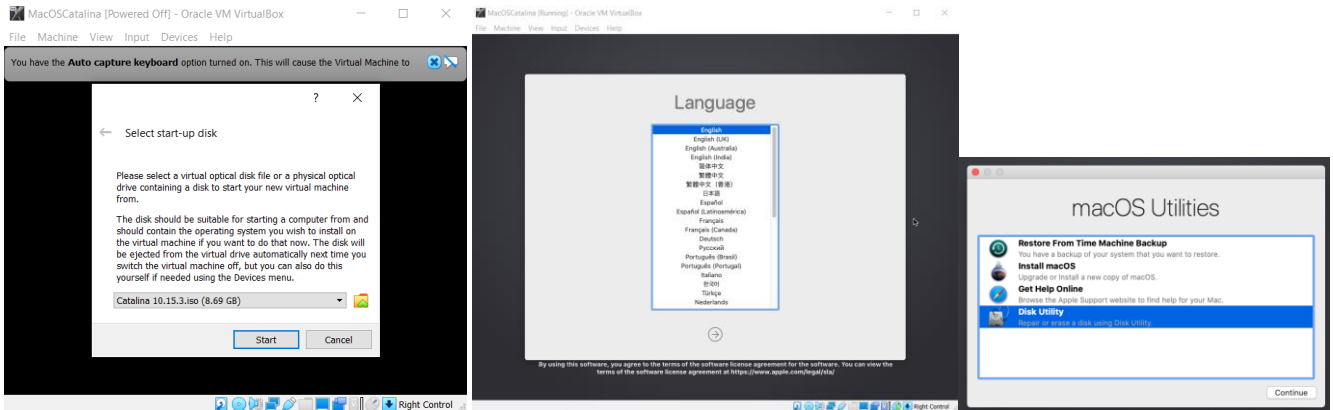
VBoxManage setextradata MacOSCatalina "VBoxInternal/Devices/efi/0/Config/DmiSystemVersion" "1.0"

VBoxManage setextradata MacOSCatalina "VBoxInternal/Devices/efi/0/Config/DmiBoardProduct" "Iloveapple"

VBoxManage setextradata MacOSCatalina "VBoxInternal/Devices/smc/0/Config/DeviceKey"

"ourhardworkbythesewordsguardedpleasedontsteal(c)AppleComputerInc"

VBoxManage setextradata MacOSCatalina "VBoxInternal/Devices/smc/0/Config/GetKeyFromRealSMC" 1



Resources:

<https://www.uubyte.com/download-macos-catalina-dmg.html>

<https://www.virtualbox.org/manual/ch08.html#vboxmanage-modifyvm>

<https://stackoverflow.com/questions/54251855/virtualbox-enable-nested-vtx-amd-v-greyed-out>