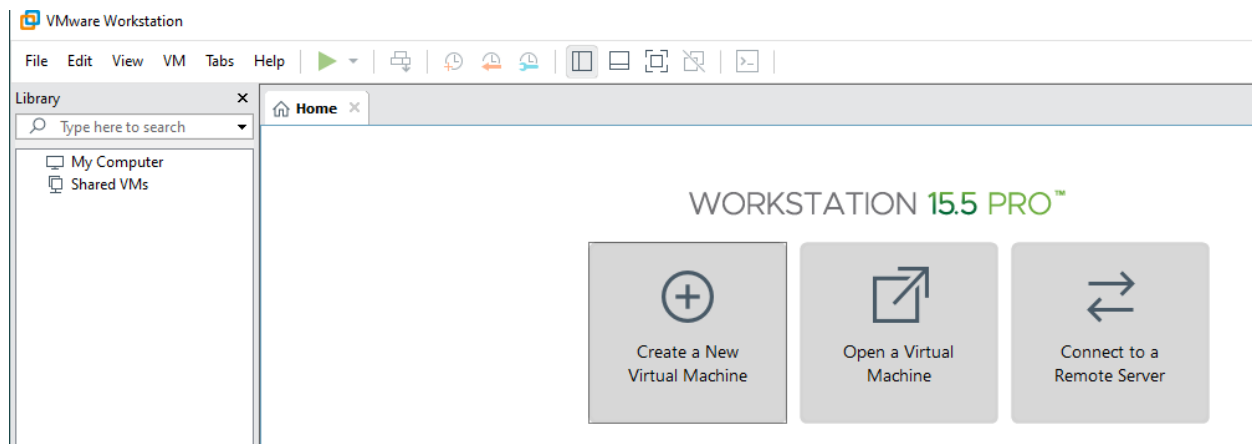


## How to install macOS Catalina on VMWare workstation and upgrade to macOS Big Sur

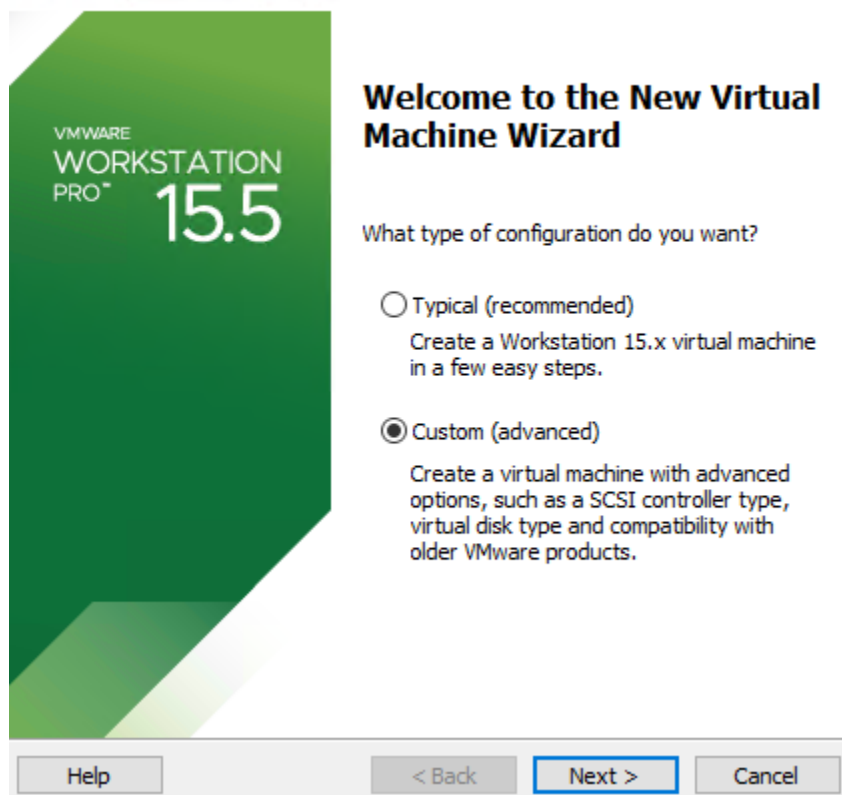
In this post, I will show you the install process for Catalina and upgrade to Big Sur v11.0. You can download vmdk file from here for macOS Catalina - <https://www.intoguide.com/how-to-install-macos-catalina-on-vmware-on-windows-10-on-pc/>

### Download macOS 10.15 Catalina Virtual Image Final Version.

- **macOS 10.15 Catalina VMDK File**
    - **Drive: Download Link (One full by intoguide.com)**
- The extraction password is: **intoguide.com**



#### New Virtual Machine Wizard



**Choose the Virtual Machine Hardware Compatibility**

Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware compatibility: Workstation 15.x

Compatible with: ☒ ESX Server

Compatible products:

- Fusion 11.x
- Workstation 15.x

Limitations:

- 64 GB memory
- 16 processors
- 10 network adapters
- 8 TB disk size
- 3 GB shared graphics memory

Help < Back Next > Cancel

**Guest Operating System Installation**

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

No drives available

☐ Installer disc image file (iso):

Browse...

☒ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

**Select a Guest Operating System**

Which operating system will be installed on this virtual machine?

Guest operating system

- ☐ Microsoft Windows  
☐ Linux  
☒ Apple Mac OS X  
☐ VMware ESX  
☐ Other

Version

macOS 10.16

Help

&lt; Back

Next &gt;

Cancel

**Name the Virtual Machine**

What name would you like to use for this virtual machine?

Virtual machine name:

BigSur

Location:

C:\Users\ram\Documents\Virtual Machines\BigSur

Browse...

The default location can be changed at Edit &gt; Preferences.

&lt; Back

Next &gt;

Cancel

**Processor Configuration**

Specify the number of processors for this virtual machine.

**Processors**

Number of processors:

Number of cores per processor:

Total processor cores:

2

Help

&lt; Back

Next &gt;

Cancel

**Memory for the Virtual Machine**

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

64 GB -  
32 GB -  
16 GB -  
8 GB -  
4 GB -  
2 GB -  
1 GB -  
512 MB -  
256 MB -  
128 MB -  
64 MB -  
32 MB -  
16 MB -  
8 MB -  
4 MB -

Memory for this virtual machine:

MB

Maximum recommended memory:  
6.2 GB

Recommended memory:  
2 GB

Guest OS recommended minimum:  
2 GB

Help

&lt; Back

Next &gt;

Cancel

**Network Type**

What type of network do you want to add?

## Network connection

- ☐ Use bridged networking  
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.
- ☒ Use network address translation (NAT)  
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.
- ☐ Use host-only networking  
Connect the guest operating system to a private virtual network on the host computer.
- ☐ Do not use a network connection

Help

&lt; Back

Next &gt;

Cancel

**Select I/O Controller Types**

Which SCSI controller type would you like to use?

## I/O controller types

## SCSI Controller:

- ☐ BusLogic (Not available for 64-bit guests)
- ☒ LSI Logic (Recommended)
- ☐ LSI Logic SAS
- ☐ Paravirtualized SCSI

Help

&lt; Back

Next &gt;

Cancel

**Select a Disk Type**

What kind of disk do you want to create?

## Virtual disk type

- ☐ IDE
- ☐ SCSI
- ☒ SATA (Recommended)
- ☐ NVMe

Help

&lt; Back

Next &gt;

Cancel

**Select a Disk**

Which disk do you want to use?

## Disk

- ☒ Create a new virtual disk
- A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.
- ☐ Use an existing virtual disk
- Choose this option to reuse a previously configured disk.
- ☐ Use a physical disk (for advanced users)
- Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

Help

&lt; Back

Next &gt;

Cancel

**Specify Disk Capacity**

How large do you want this disk to be?

Maximum disk size (GB): 

Recommended size for macOS 10.16: 40 GB

☐ Allocate all disk space now.

Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☒ Store virtual disk as a single file☐ Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help

&lt; Back

Next &gt;

Cancel

**Specify Disk File**

Where would you like to store the disk file?

Disk file

One 40 GB disk file will be created using this file name.

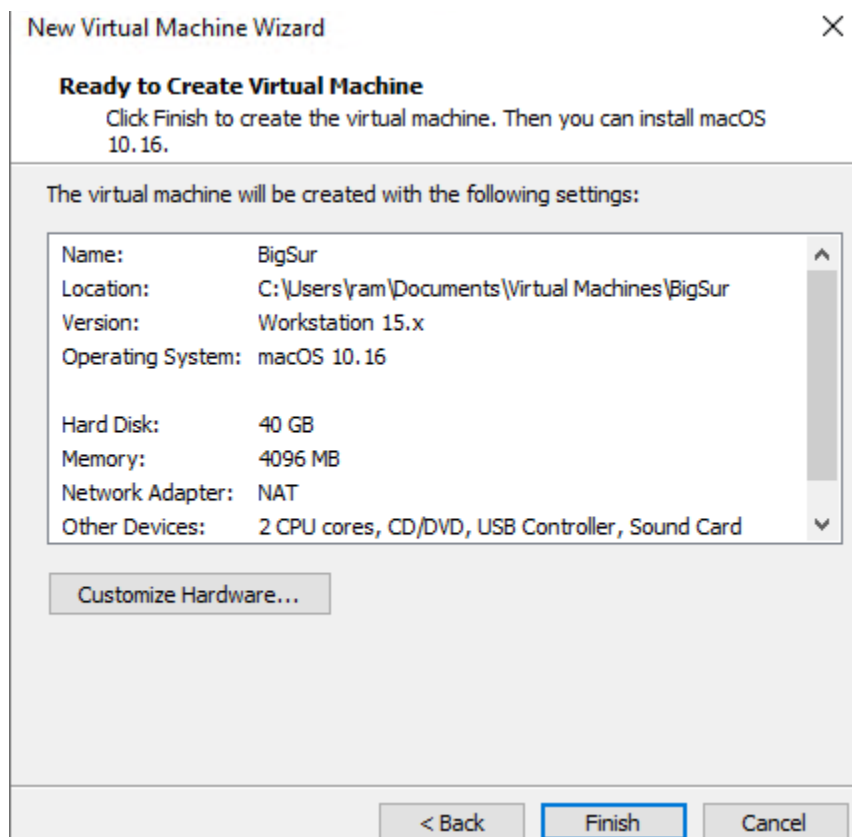
Browse...

Help

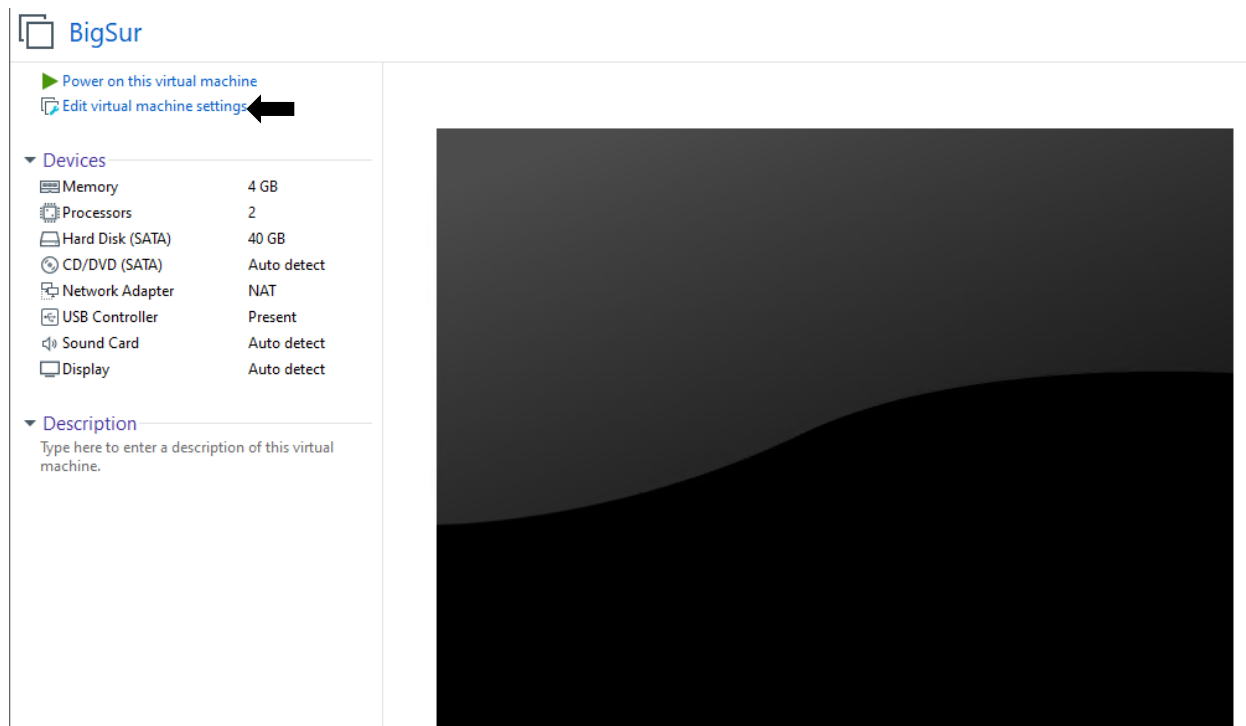
&lt; Back

Next &gt;

Cancel



Now edit virtual machine settings





Hardware Options

Device	Summary
Memory	4 GB
Processors	2
Hard Disk (SATA)	40 GB
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Buttons: Add... Remove

Disk file  
C:\Users\ram\Documents\Virtual Machines\BigSur\BigSur.vmdk

Capacity  
Current size: 5.1 MB  
System free: 199.2 GB  
Maximum size: 40 GB

Disk information  
Disk space is not preallocated for this hard disk.  
Hard disk contents are stored in a single file.

Disk utilities  
Map this virtual machine disk to a local volume. **Map...**  
Defragment files and consolidate free space. **Defragment**  
Expand disk capacity. **Expand...**  
Compact disk to reclaim unused space. **Compact**  
**Advanced...**

Hardware Options

Device	Summary
Memory	4 GB
Processors	2
CD/DVD (SATA)	Auto detect
Network Adapter	NAT
USB Controller	Present
Sound Card	Auto detect
Display	Auto detect

Buttons: Add... Remove

Device status  
☐ Connected  
☒ Connect at power on

Connection  
☒ Use physical drive:  
Auto detect  
☐ Use ISO image file:  
Browse...  
**Advanced...**

**Hardware Type**

What type of hardware do you want to install?

Hardware types:	Explanation
<input checked="" type="checkbox"/> Hard Disk	Add a hard disk.
<input type="checkbox"/> CD/DVD Drive	
<input type="checkbox"/> Floppy Drive	
<input type="checkbox"/> Network Adapter	
<input type="checkbox"/> USB Controller	
<input type="checkbox"/> Sound Card	
<input type="checkbox"/> Parallel Port	
<input type="checkbox"/> Serial Port	
<input type="checkbox"/> Printer	
<input type="checkbox"/> Generic SCSI Device	
<input type="checkbox"/> Trusted Platform Module	

< Back   **Next >**   Cancel

**Select a Disk Type**

What kind of disk do you want to create?

Virtual disk type
<input type="radio"/> IDE
<input type="radio"/> SCSI
<input checked="" type="radio"/> SATA      (Recommended)
<input type="radio"/> NVMe

< Back   **Next >**   Cancel

**Select a Disk**

Which disk do you want to use?

## Disk

☐ Create a new virtual disk

A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☒ Use an existing virtual disk

Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)

Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

&lt; Back

Next &gt;

Cancel

**Select an Existing Disk**

Which previously configured disk would you like to use?

## Existing disk file

C:\Users\ram\Documents\04 macOS Catalina Virtual Disk Image.v

Browse...

&lt; Back

Finish

Cancel

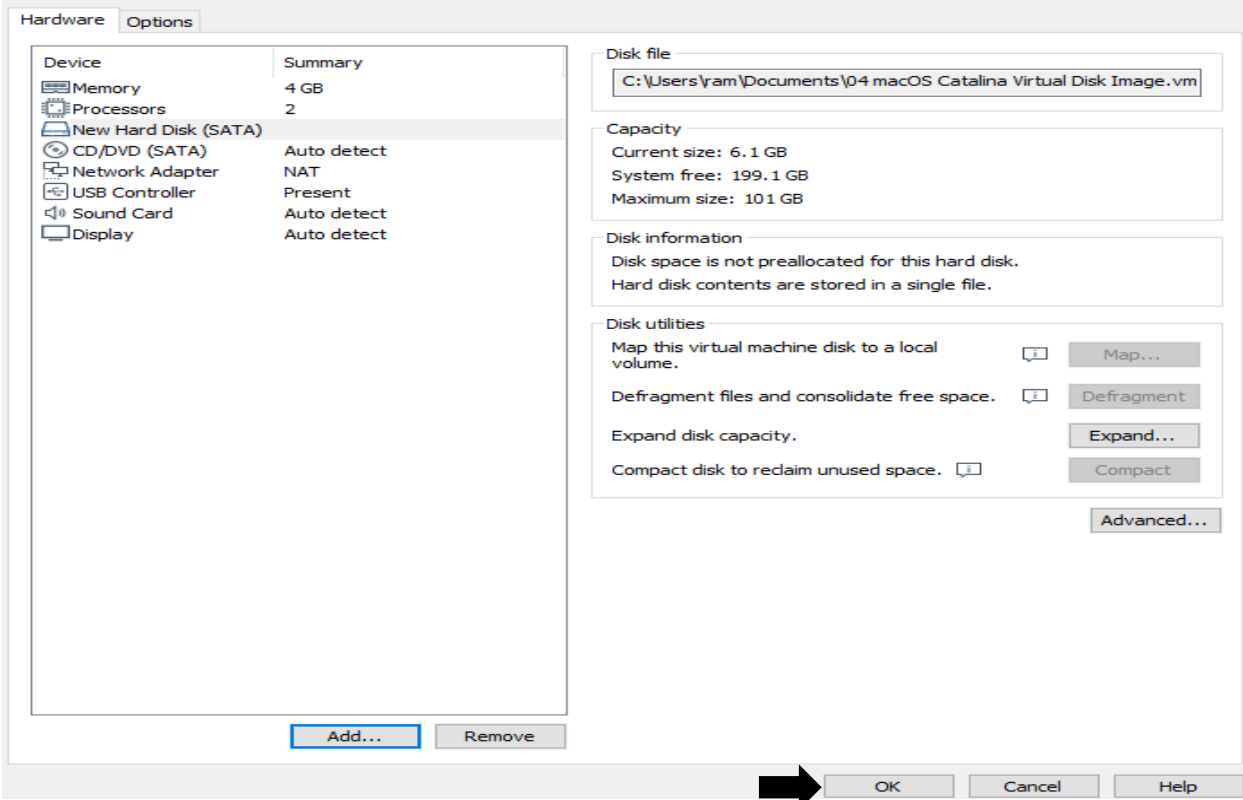
**Convert existing virtual disk to newer format?**

The chosen virtual disk can be converted to the newest format supported by this Workstation 15.x virtual machine. However, after conversion the virtual disk will be unusable with older virtual machines.

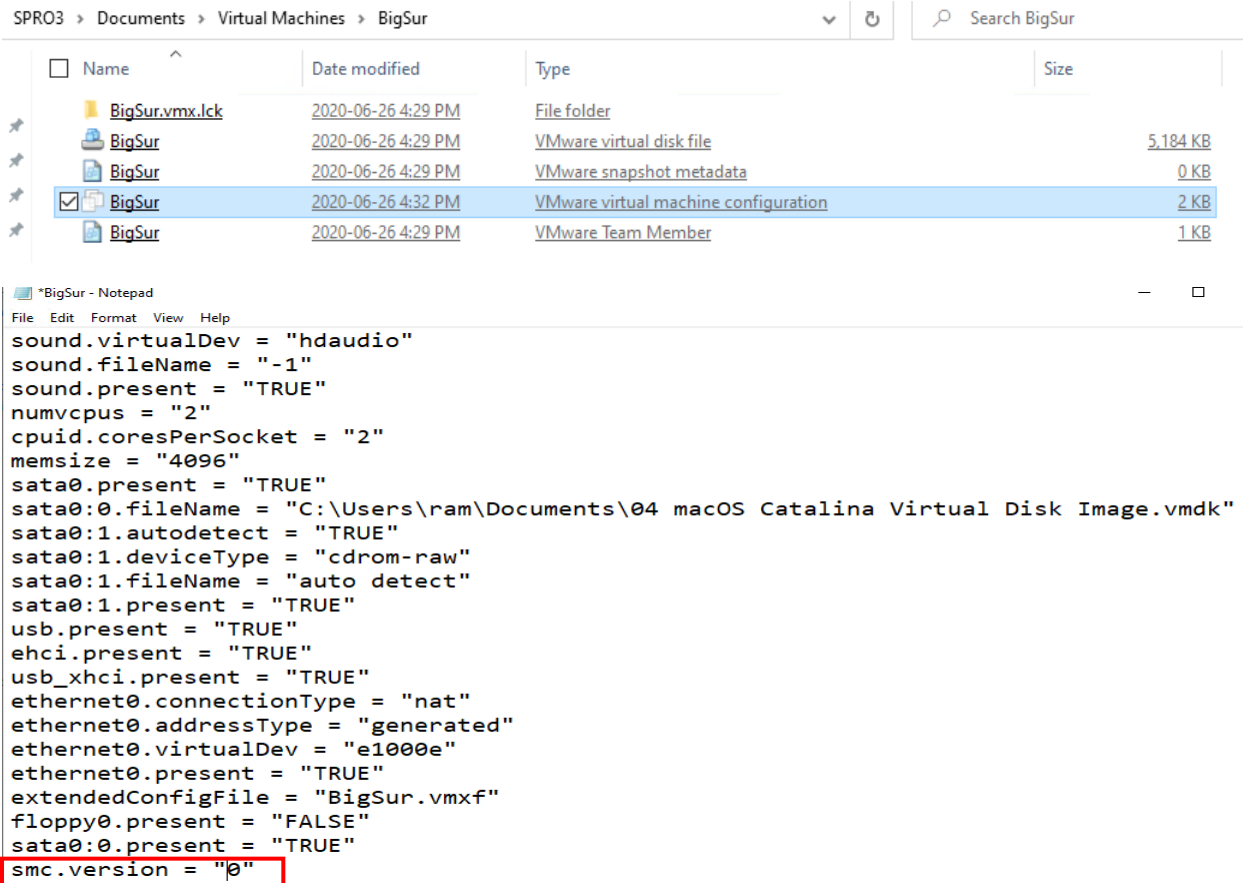
Keep Existing Format

Convert

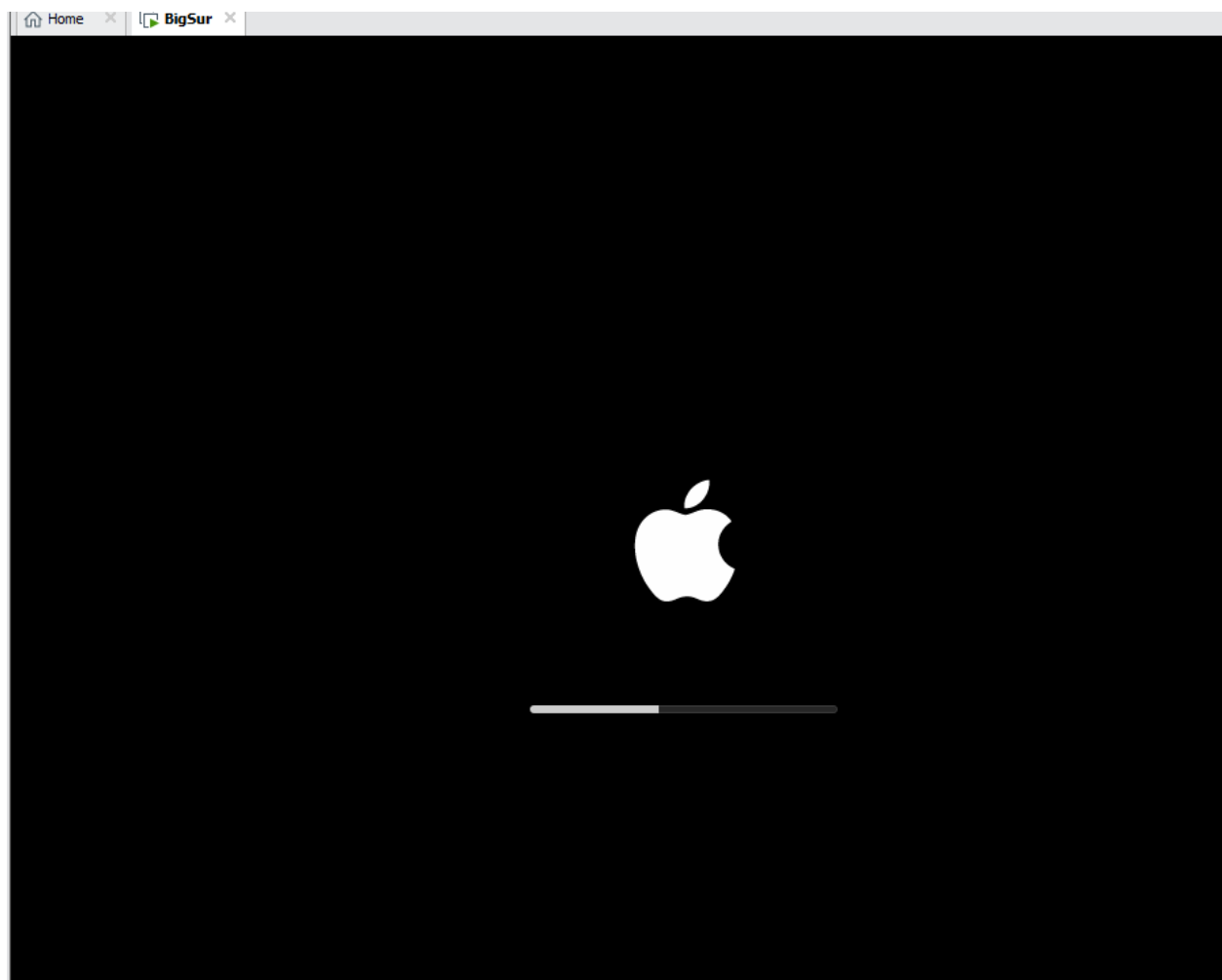
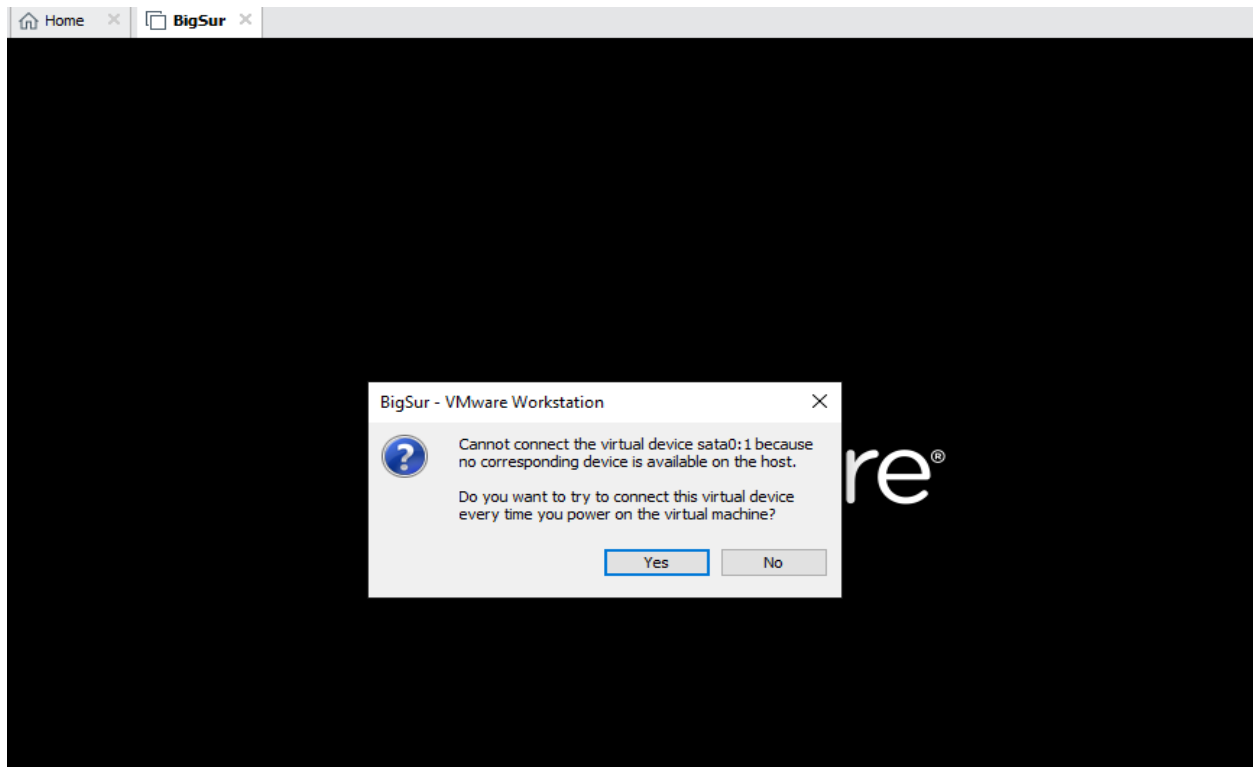
Cancel

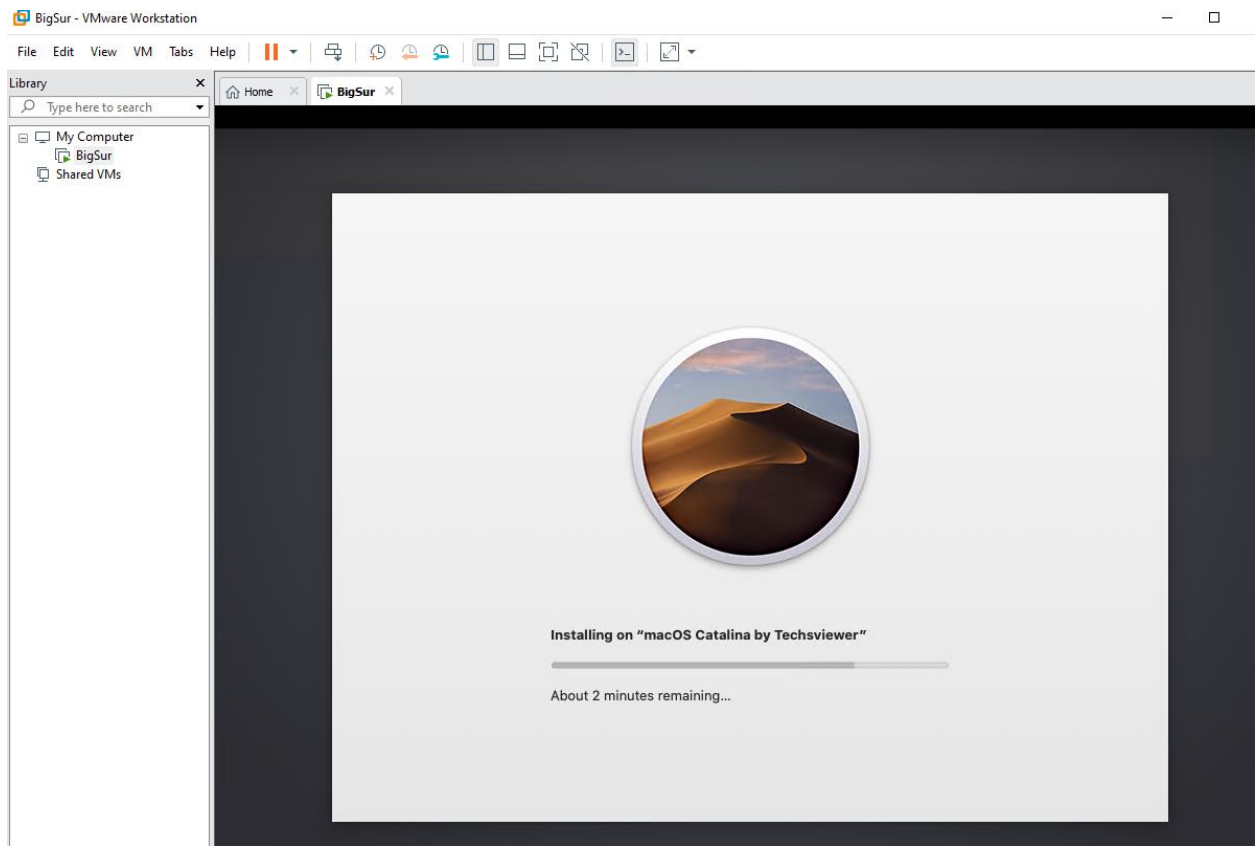
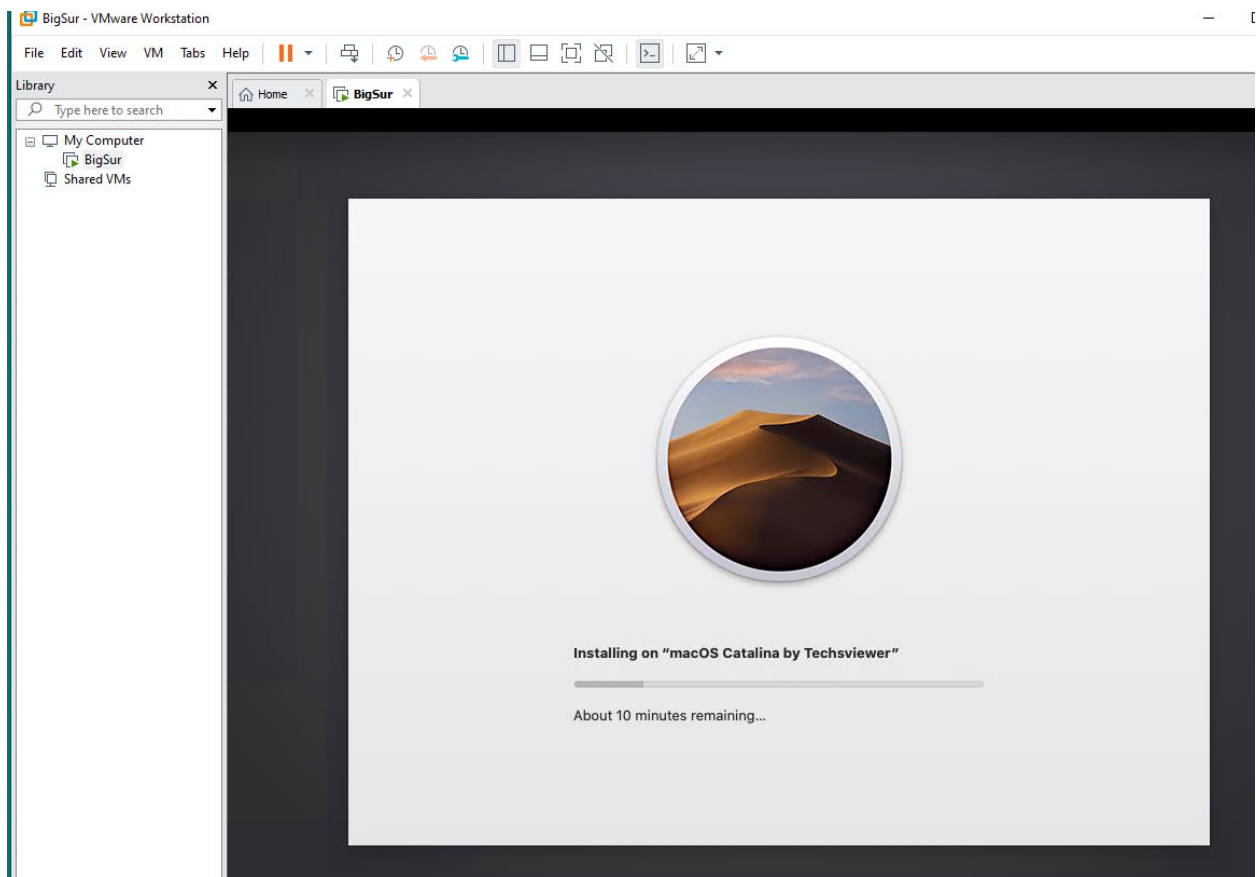


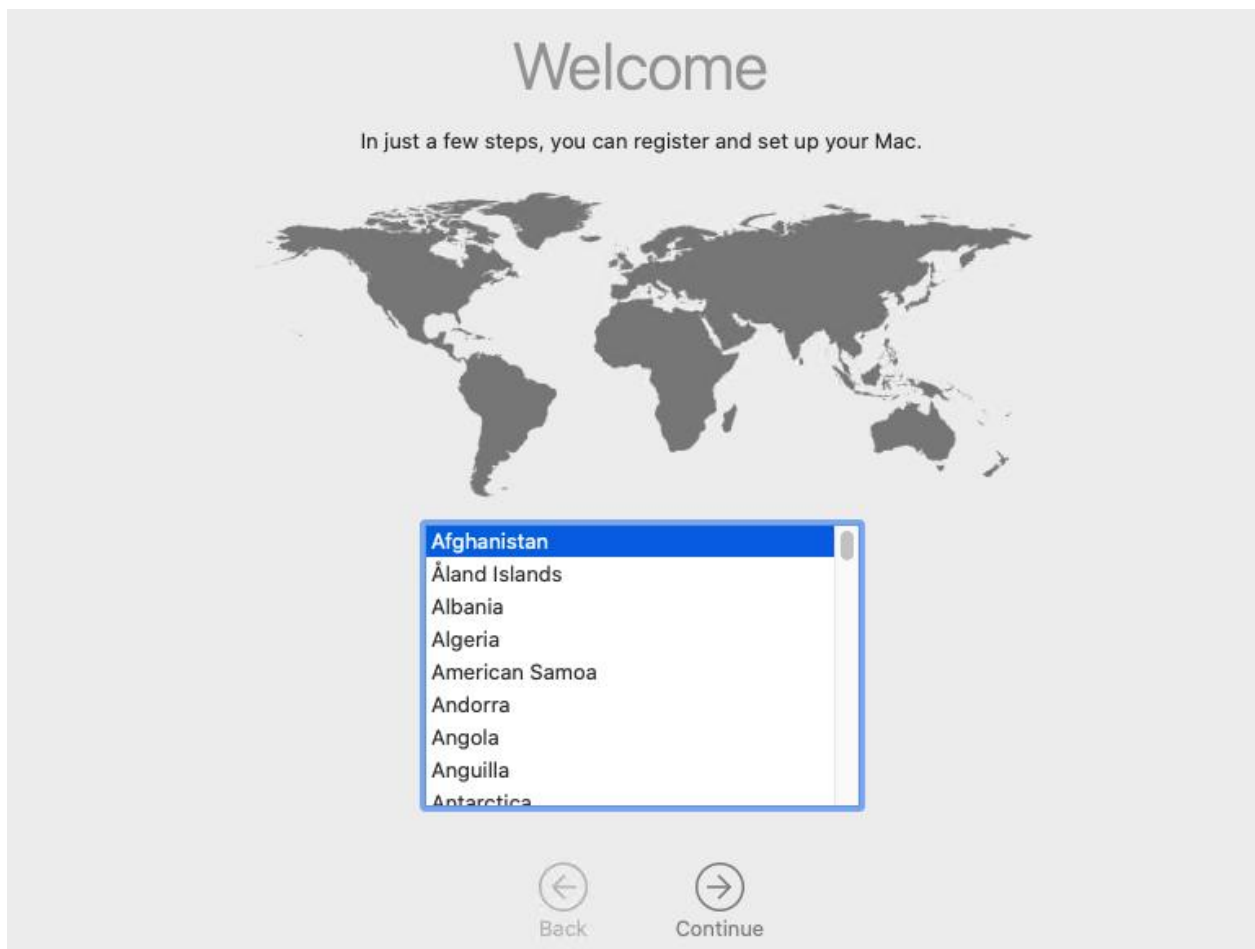
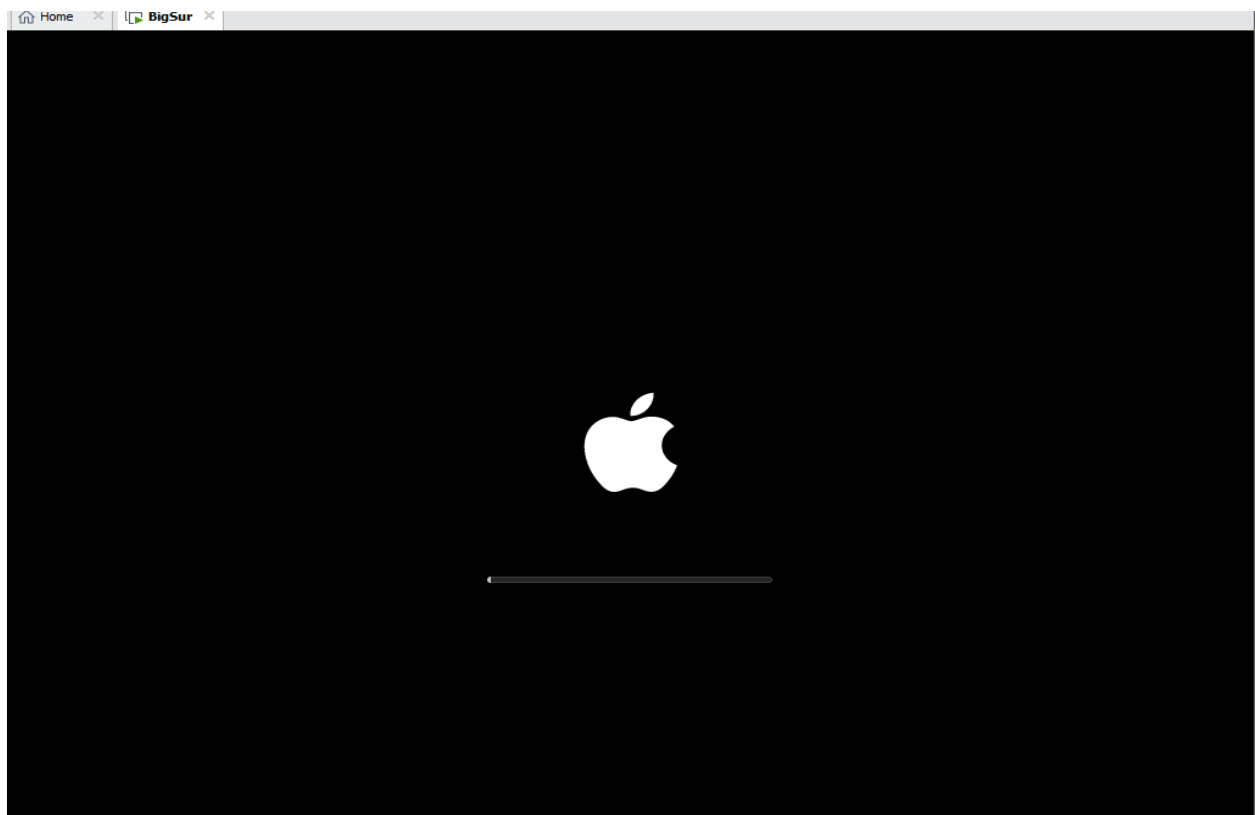
Now edit VMX file



Now power on virtual machine







# Written and Spoken Languages



The following languages are commonly used in your region. You can set up your Mac to use these settings, or customize them individually.



## Preferred Languages

English (Canada)



## Keyboards

Canadian English



## Dictation

English (Canada)

[Customize Settings](#)



Back



Continue

# Data & Privacy

This icon appears when an Apple feature asks to use your personal information.



You won't see this with every feature since Apple collects this information only when needed to enable features, secure our services, or personalize your experience.

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[Learn More...](#)




Back



Continue



 U.S.

# Transfer Information to This Mac

If you have important information on another Mac or Windows PC, you can transfer it to this Mac.  
You can also transfer data from a Time Machine backup or another startup disk.



**How do you want to transfer your information?**

☐ From a Mac, Time Machine backup, or startup disk


☐ From a Windows PC

☒ Don't transfer any information now

You can transfer information later using Migration Assistant.

Back






Continue

 U.S.

# Sign In with Your Apple ID


Sign in to use iCloud, iTunes, App Store, iMessage, FaceTime, Find My, and more.

[Set Up Later](#)




Apple ID


[Create new Apple ID...](#) [Forgot Apple ID or password?](#)



This Mac will be associated with your Apple ID and data such as photos, contacts, and documents will be stored in iCloud so you can access them on other devices.  
[See how your data is managed...](#)

[Use different Apple IDs for iTunes and iCloud?](#)

Back

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Back



Agree

# Create a Computer Account

Fill out the following information to create your computer account.

Full name: bigsur

Account name: adm

This will be the name of your home folder.

Password: ••••••••

••••••••

Hint: jan



Back



Continue

# Express Set Up

The features and settings below will be set up for you, or you can customize the settings yourself.

[Learn More](#)



Allow Maps and other apps and services like Find My and Spotlight Suggestions to gather and use data to determine your location.



Help Apple improve its products and services by allowing analytics of usage and data from this Mac.

[Customize Settings](#)



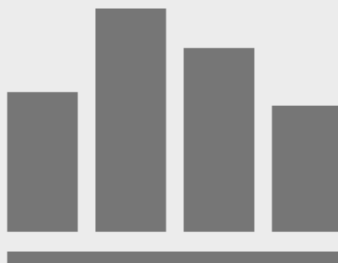
Back



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# Analytics

Help app developers improve their products and services automatically.



To help Apple improve its products and services, pre-release beta versions of macOS automatically send diagnostics and usage data. This can be changed in the Security & Privacy pane of System Preferences. Diagnostic data may include location information.

[About Analytics & Privacy...](#)



Back



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# Screen Time

Get insights about your screen time and set limits for what you want to manage.

[Set Up Later](#)



## Weekly Reports

View daily and weekly charts and get insights about your screen time.



## Downtime and App Limits

Schedule time away from the screen and set daily time limits for apps or app categories.



## Content & Privacy Restrictions

Restrict settings for contacts, explicit content, purchases and downloads, and privacy.



## Screen Time Passcode

Manage screen time for children from your Mac or iOS device, or use a screen time passcode on your child's device.



Back



Continue

# Choose Your Look



Light



Dark



Auto

Select an appearance and see how the Dock, menus, buttons, and windows adjust depending on which one you choose.

You can change this later by going to System Preferences.



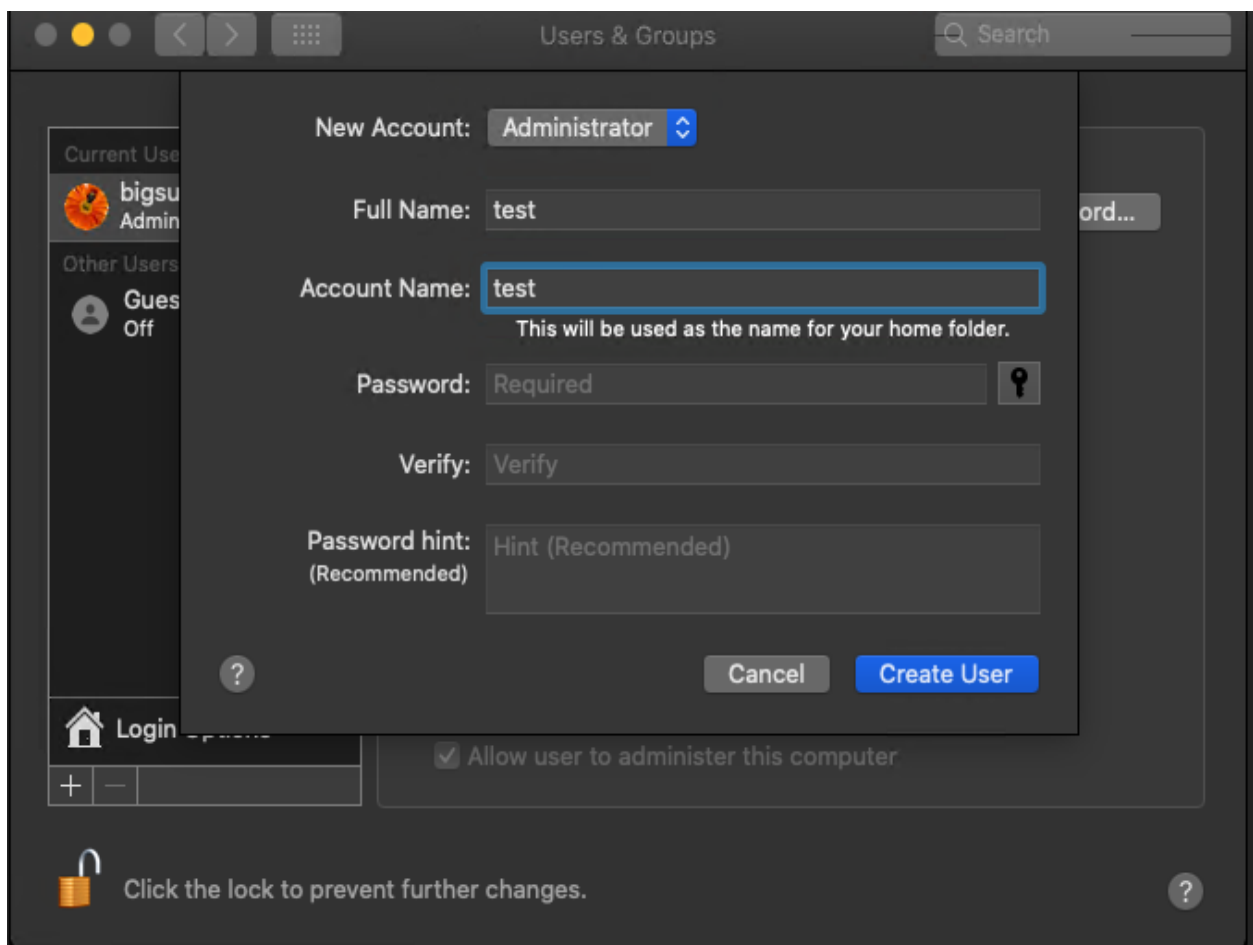
Back



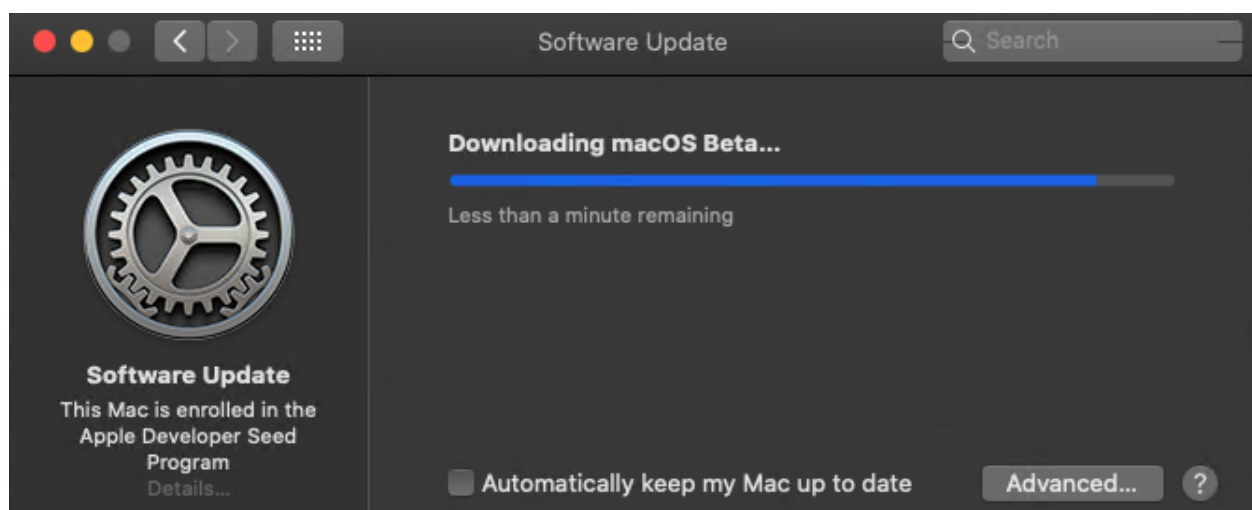
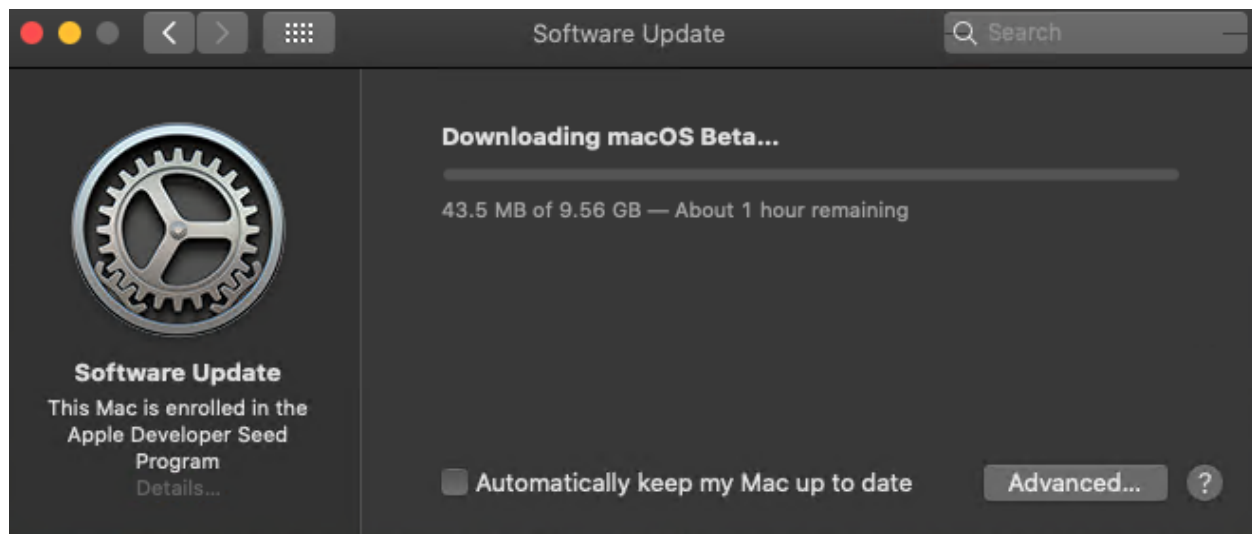
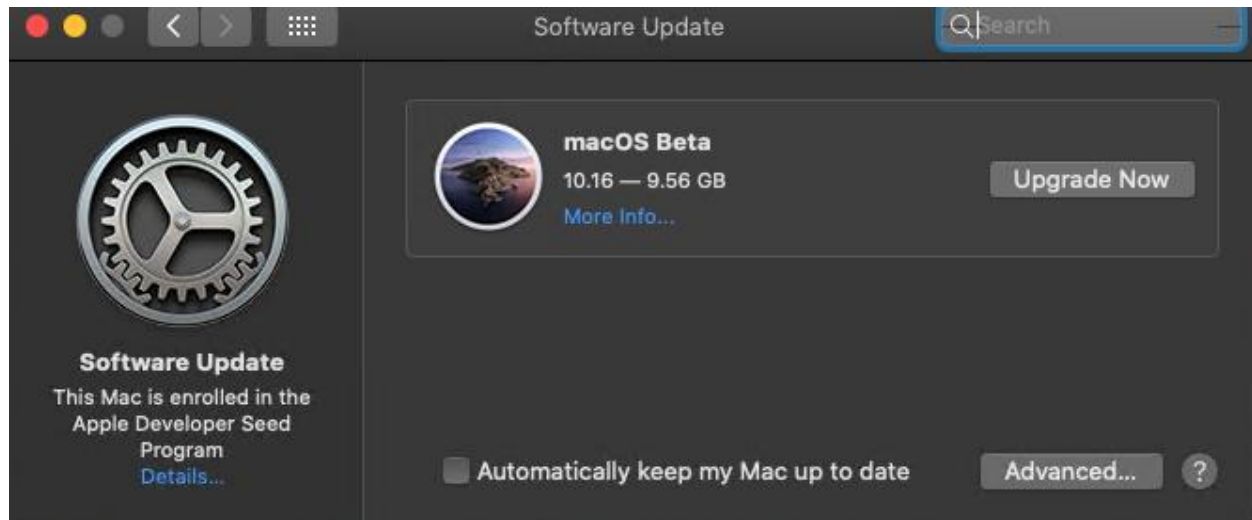
Continue



Click Users and Groups – Create a new user without password and make the user as admin in case we need it later



## Click System Preferences – Software Update





## macOS Beta

To set up the installation of macOS Beta, click Continue.



Continue



## macOS Beta

To continue installing the software, you must agree to the terms of the software license agreement.

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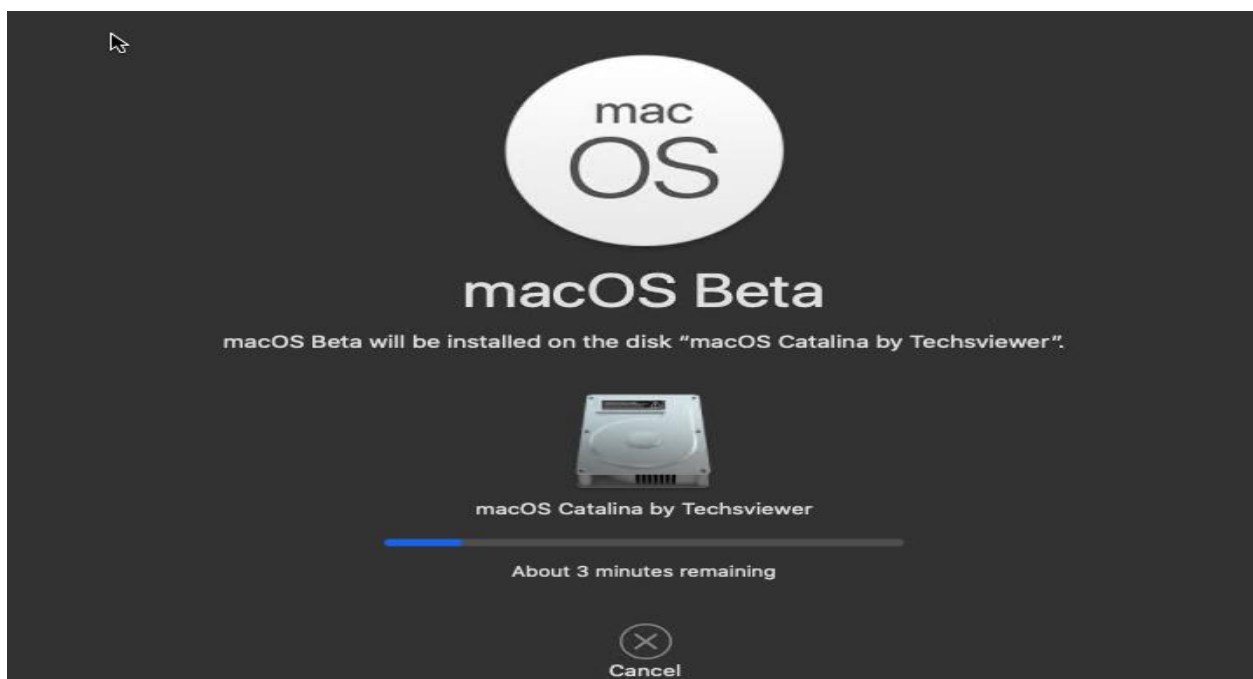
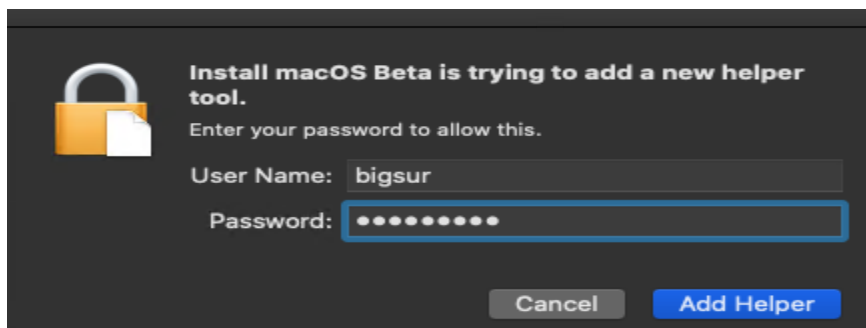
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Disagree

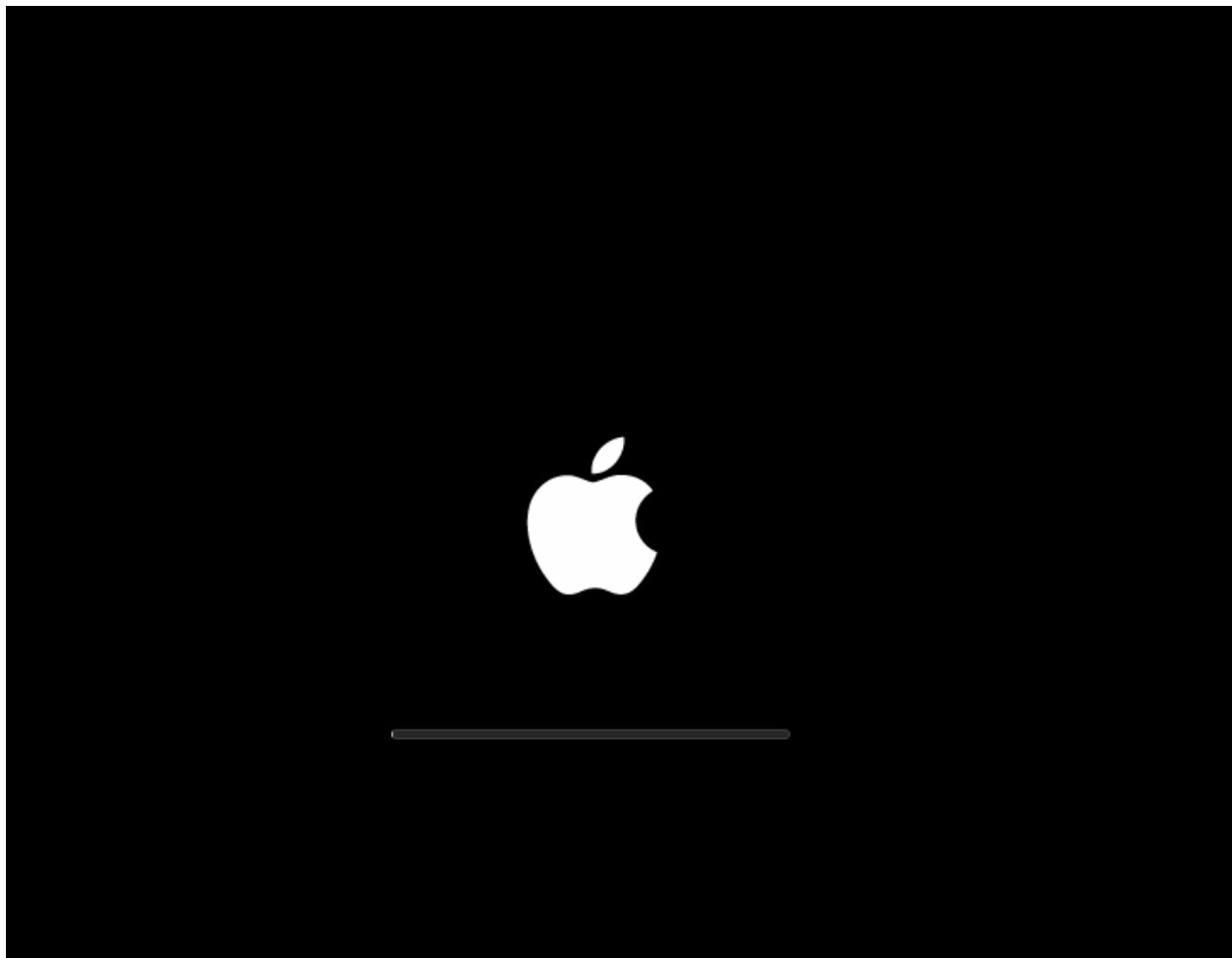


Agree





If you see below error when you press restart – just ignore and wait for the system to restart.





About 29 minutes remaining...



About 9 minutes remaining...



## Select Your Country or Region

Brazil  
British Indian Ocean Territory  
British Virgin Islands  
Brunei  
Bulgaria  
Burkina Faso  
Burundi  
Cambodia  
Cameroon  
**Canada**  
Canary Islands

Back

Continue



## Written and Spoken Languages



### Preferred Languages

English (Canada)



### Input Sources

Canadian English



### Dictation

English (Canada)

[Customize Settings](#)

Back

Continue



## Accessibility

Accessibility features adapt your Mac to your individual needs. You can turn them on now to help you finish setting up, and further customize them later in System Preferences. See what's available in each of the categories below.



Vision



Motor



Hearing



Cognitive

Back

Not Now



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[Not Now](#)

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## Sign In with Your Apple ID

Sign in to use iCloud, the App Store, and other Apple services.

Apple ID

[Create new Apple ID...](#)

[Forgot Apple ID or password?](#)

[Use different Apple IDs for iCloud and Apple media purchases?](#)



This Mac will be associated with your Apple ID and data such as photos, contacts, and documents will be stored in iCloud so you can access them on other devices.

[See how your data is managed...](#)

[Set Up Later](#)

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Back

Agree

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Password:

Hint:



Back

Continue

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[Learn More...](#)

[Customize Settings](#)

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[About Analytics & Privacy...](#)

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[Set Up Later](#)

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# Siri

Siri helps you get things done just by asking. Siri can also make suggestions before you ask in apps, search, and keyboards.

☐ Enable Ask Siri

Apple stores transcripts of your interactions with Siri and may review a subset of these transcripts. Siri also sends information like your voice input, Hey Siri setup, contacts, and location to Apple to process your request. Data is not associated with your Apple ID.

[About Ask Siri, Dictation & Privacy...](#)

Back

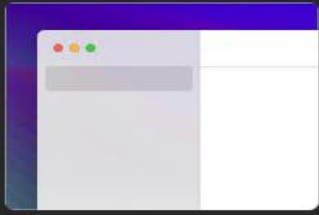
Continue



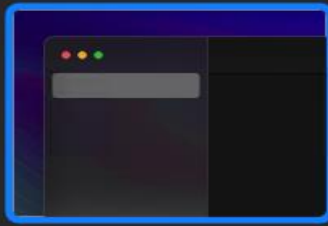
# Choose Your Look

Select an appearance and see how the Dock, menus, buttons, and windows adjust depending on which one you choose.

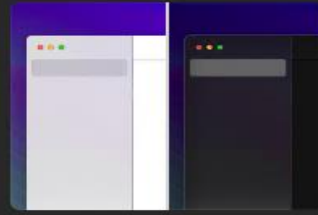
You can change this later in System Preferences.



Light



Dark

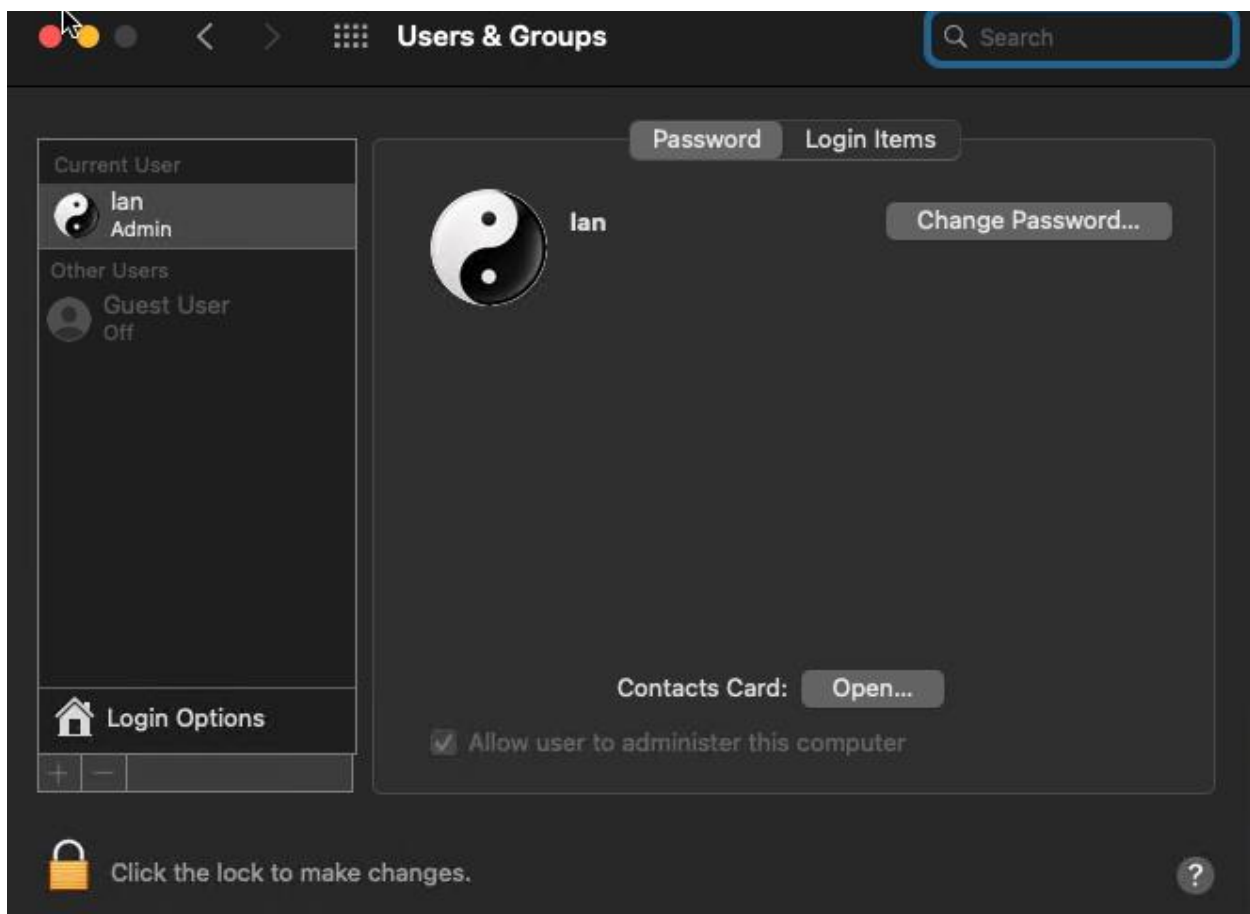


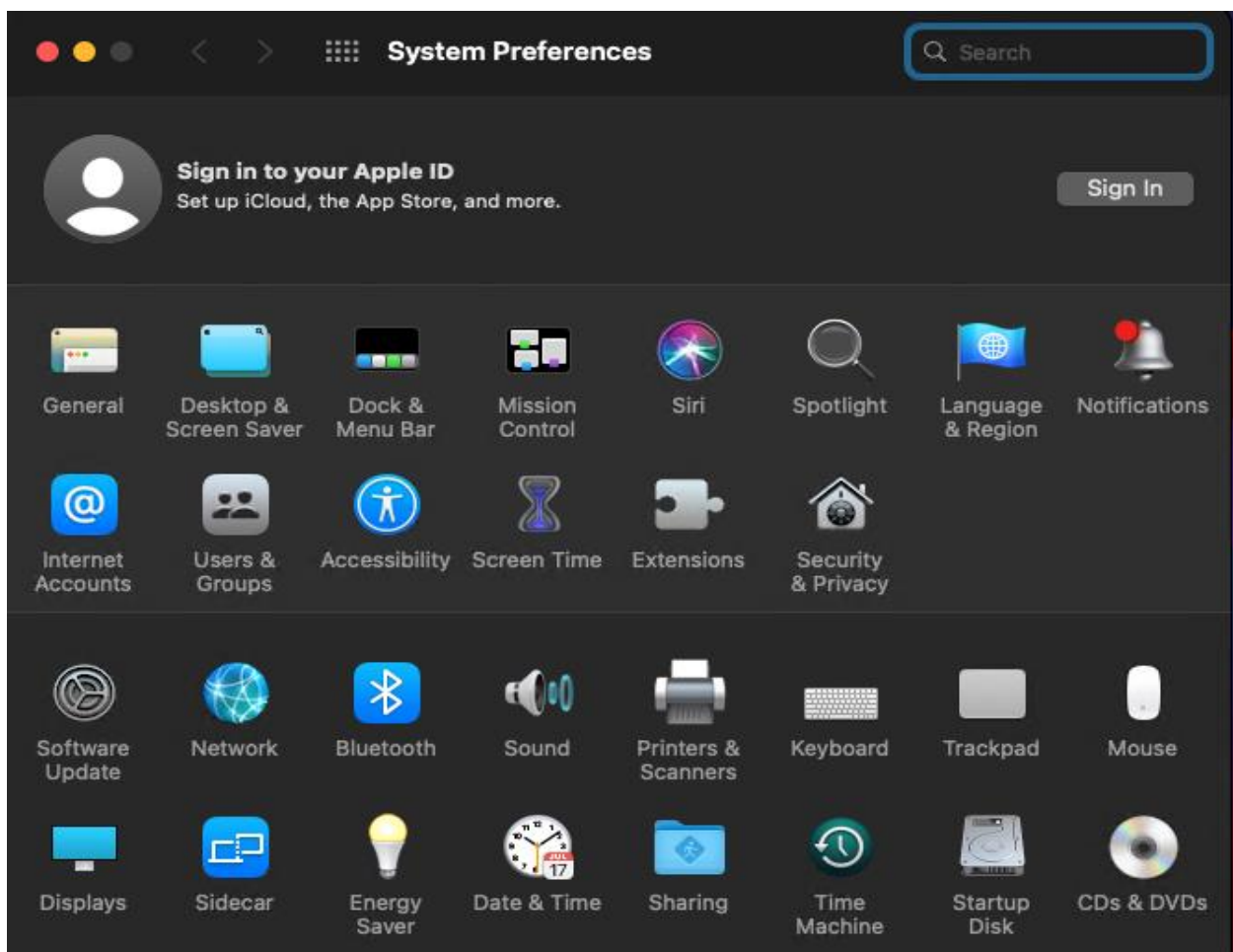
Auto

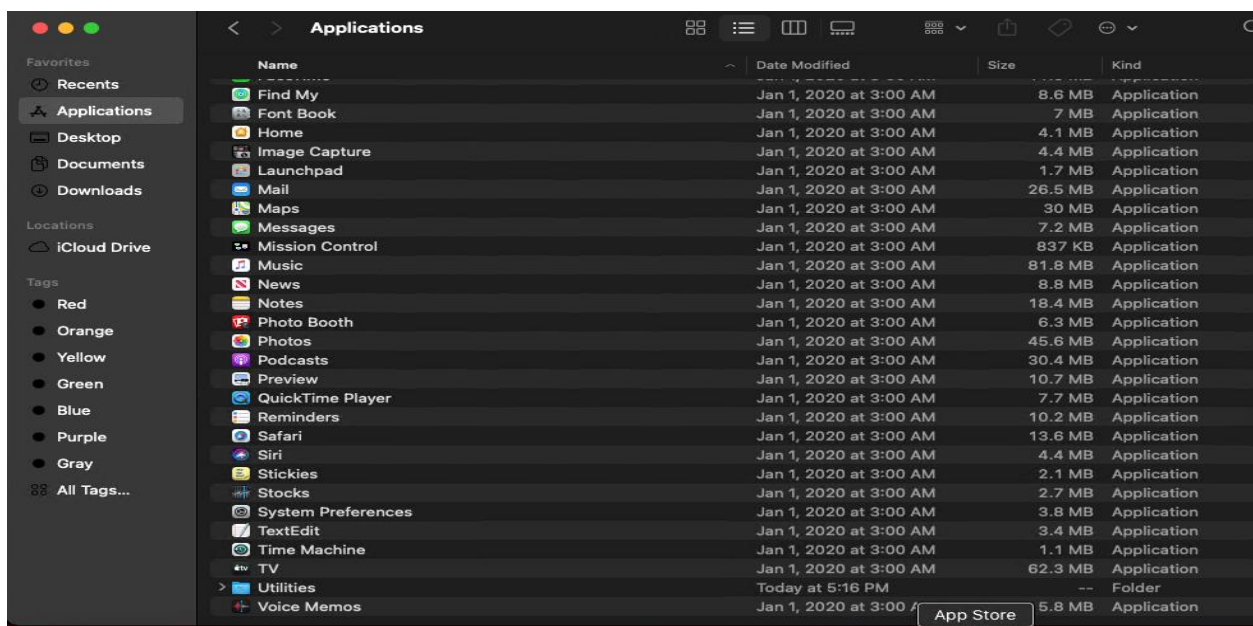
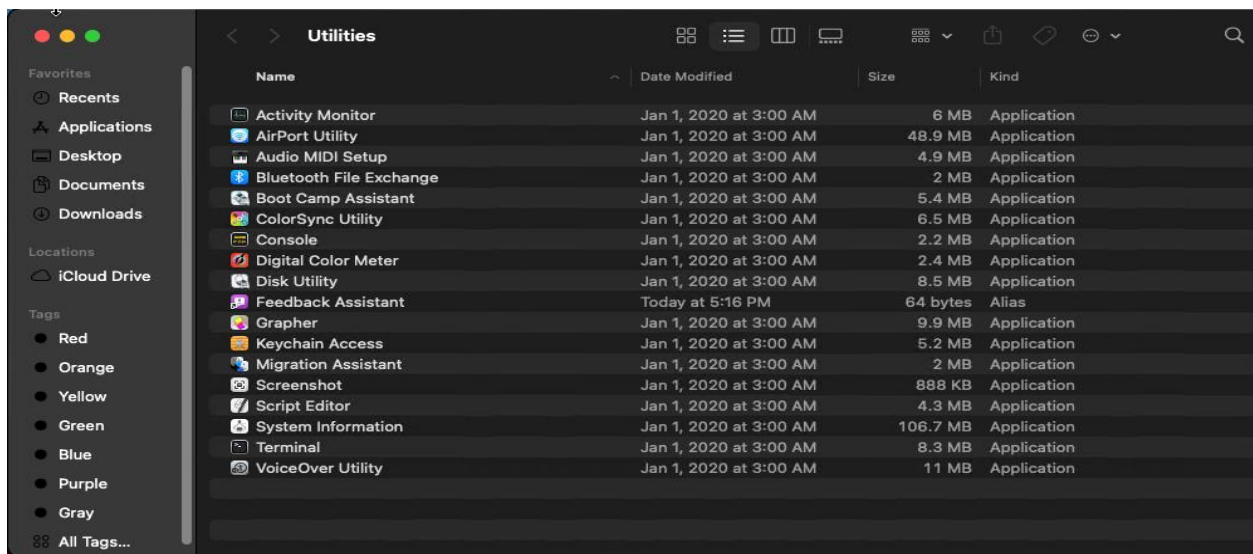
Back

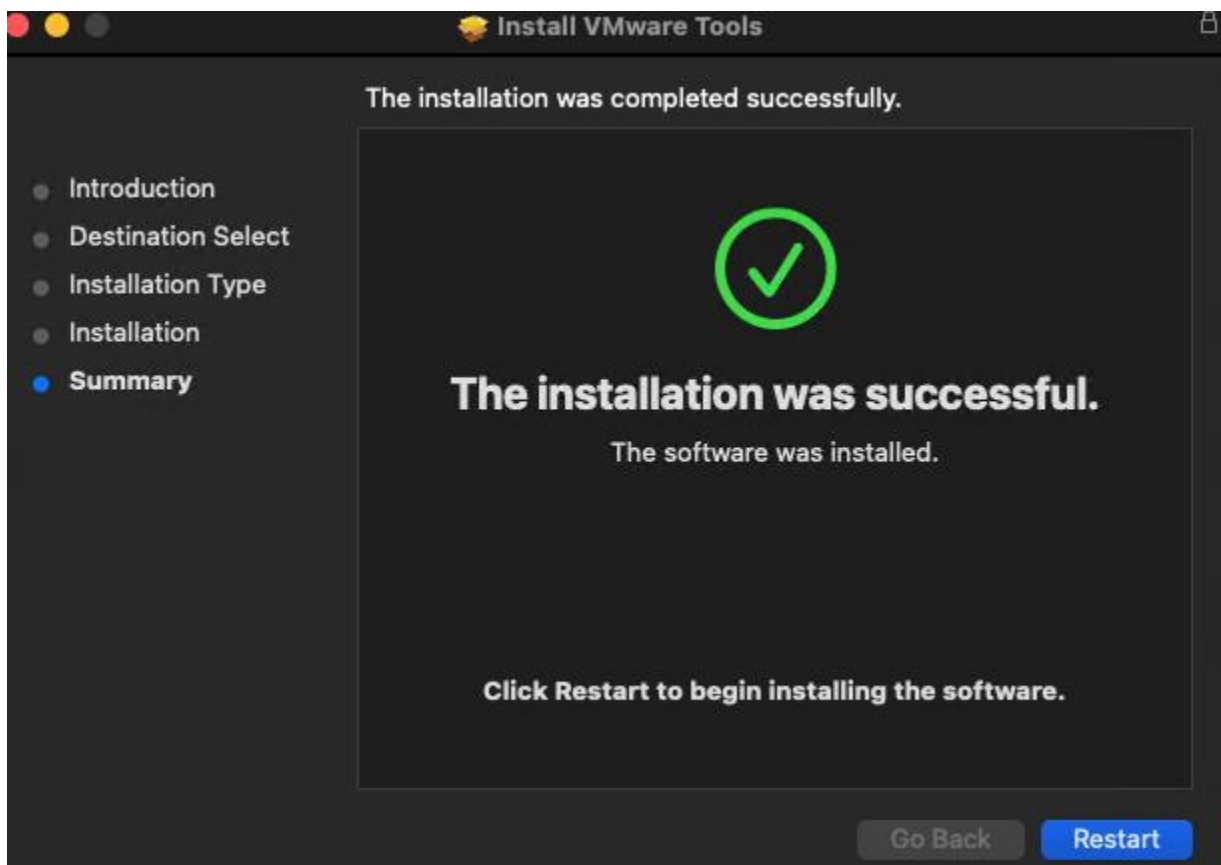
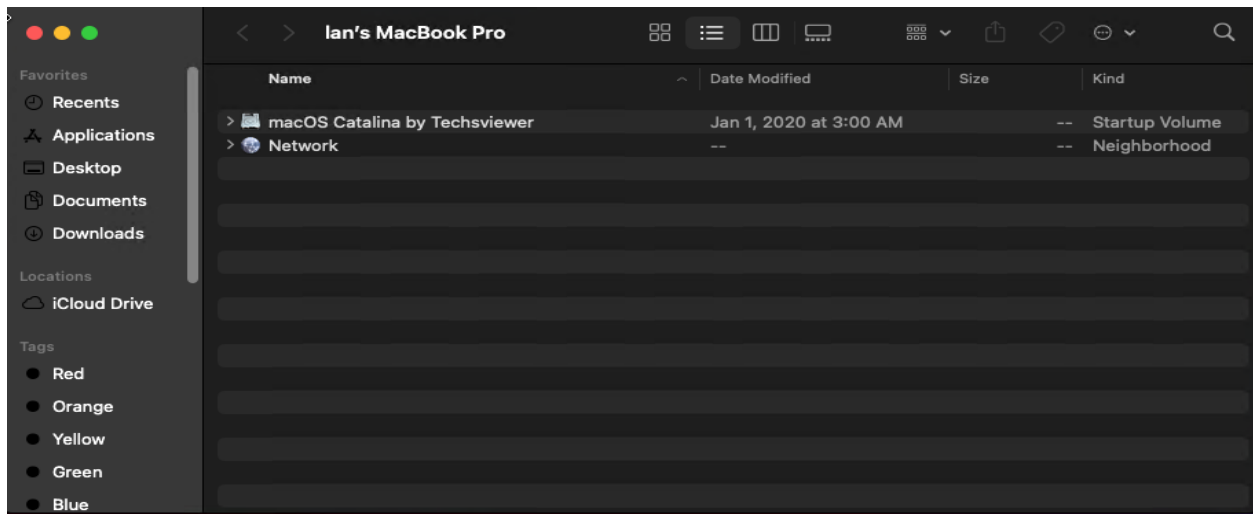
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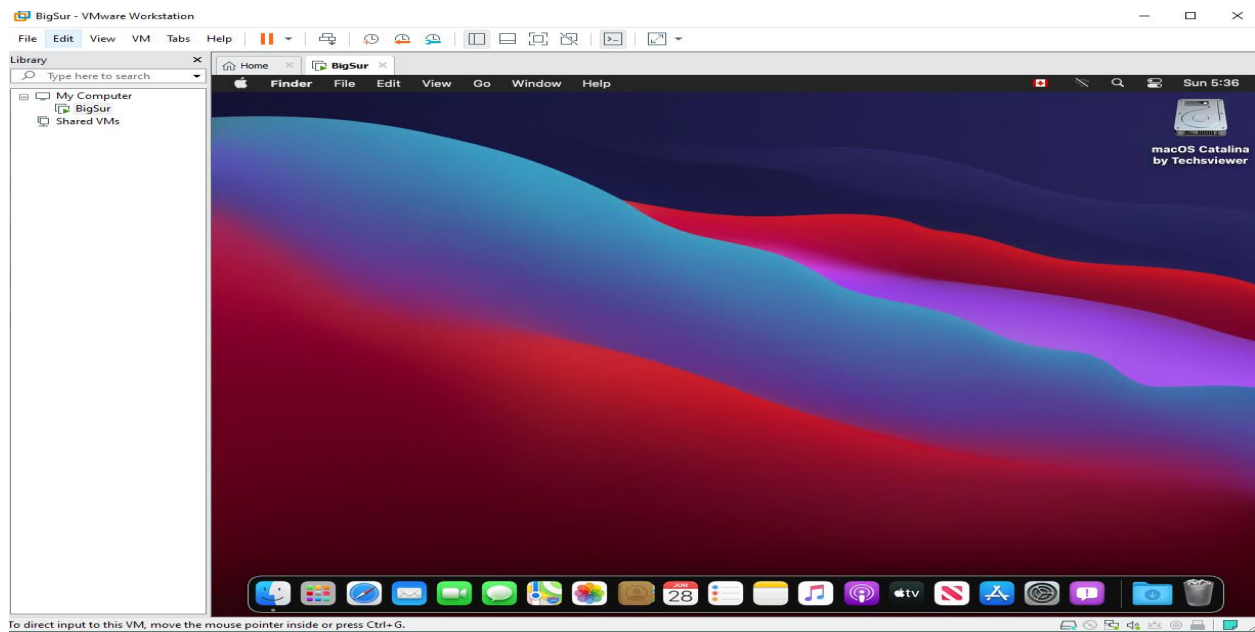












This concludes Big Sur install on VMWare workstation. Check this link for new features - <https://www.apple.com/macOS/big-sur-preview/features/>

Thanks

**Ram Lan**

**28<sup>th</sup> June 2020**

If you see this error during the upgrade do the following

Run below command on Host Mac Machine

```
sysctl hw.model
ioreg -l | grep board-id
```

Edit VMX file and add this at the end

```
smbios.reflectHost = "True"
hw.model = "MacBookProxx, x"
board-id = "Mac-██████████"
```

