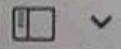


Disk Utility



View



Volume



First Aid



Partition



Erase



Restore



Unmount



Info

Internal



Macintosh HD



Macintosh HD - Data

Disk Images



macOS Base System



# macOS Base System

Disk Image Volume • Mac OS Extended  
macOS 10.15.4

2.01 GB



**Used**

1.34 GB

**Free**

667 MB

Mount Point:	/	Type:	Disk Image Volume
Capacity:	2.01 GB	Owners:	Enabled
Available:	667 MB (Zero KB purgeable)	Connection:	Disk Image
Used:	1.34 GB	Device:	disk1s1



## Run First Aid on "macOS Base System"?

First Aid will check the volume for errors. It will then repair the volume if necessary.

Cancel

Run



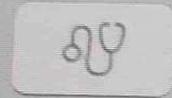
**Verifying the startup volume will cause this computer to stop responding.**

This may last for several minutes or hours. To avoid this, you can run First Aid while in Recovery.

Cancel

Continue

## Disk Utility



First Aid



Partition



Erase



Restore



Unmount



### Running First Aid on "macOS Base System"

This computer will stop responding while verifying the startup volume; this may last for several minutes or hours.

Checking catalog hierarchy.

 Show Details

Done

 **Used**

1.34 GB

 **Free**

667 MB



## Running First Aid on "macOS Base System"

This computer will stop responding while verifying the startup volume; this may last for several minutes or hours.



First Aid process is complete. Click Done to continue.



 Show Details

Done



## Running First Aid on "macOS Base System"

This computer will stop responding while verifying the startup volume; this may last for several minutes or hours.

First Aid process is complete. Click Done to continue.

▼ Hide Details

Checking catalog hierarchy.

Checking extended attributes file.

Checking volume bitmap.

Checking volume information.

The volume macOS Base System appears to be OK.

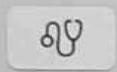
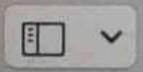
File system check exit code is 0.

Restoring the original state found as mounted.

**Operation successful.**

Done

# Disk Utility



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## Disk Images

macOS Base System



# macOS Base System

Disk Image Volume • Mac OS Extended  
macOS 10.15.4

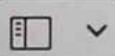
2.01 GB



**Used**  
1.34 GB

**Free**  
667 MB

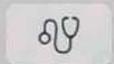
Mount Point:	/	Type:	Disk Image Volume
Capacity:	2.01 GB	Owners:	Enabled
Available:	667 MB (Zero KB purgeable)	Connection:	Disk Image
Used:	1.34 GB	Device:	disk1s1



View



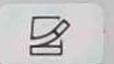
Volume



First Aid



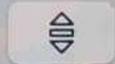
Partition



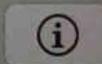
Erase



Restore



Unmount



Info

Internal



Macintosh HD



Macintosh HD - Data

Disk Images



macOS Base System



# Macintosh HD

APFS Volume • APFS  
macOS 10.15.4

499.42 GB

SHARED BY 5 VOLUMES



**Used**

11.18 GB

**Other Volumes**

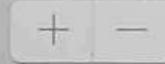
487.64 GB

**Free**

600.7 MB

Mount Point:	/Volumes/Macintosh HD	Type:	APFS Volume
Capacity:	499.42 GB	Owners:	Enabled
Available:	600.7 MB (Zero KB purgeable)	Connection:	PCI
Used:	11.18 GB	Device:	disk2s5

# Disk Utility



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## Internal



Macintosh HD



Macintosh HD - Data

## Disk Images



macOS Base System



### Run First Aid on "Macintosh HD"?

First Aid will check the volume for errors. It will then repair the volume if necessary.

Cancel

Run

499.42 GB

SHARED BY 5 VOLUMES



Used

11.18 GB

Other Volumes

487.64 GB

Free

600.7 MB

Mount Point:	/Volumes/Macintosh HD	Type:	APFS Volume
Capacity:	499.42 GB	Owners:	Enabled
Available:	600.7 MB (Zero KB purgeable)	Connection:	PCI
Used:	11.18 GB	Device:	disk2s5



## Running First Aid on "Macintosh HD"

First Aid process is complete. Click Done to continue.

▼ Hide Details

### Running First Aid on "Macintosh HD" (disk2s5)

Repairing file system.

Volume was successfully unmounted.

Performing fsck\_apfs -y -x /dev/rdisk2s5

Checking the container superblock.

warning: container has been mounted by APFS version 1412.141.1, which is newer than 1412.101.1

warning: disabling overallocation repairs by default; use -o to override

Done



## Running First Aid on "Macintosh HD"

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: disabling overallocation repairs by default; use -o to override

Checking the EFI jumpstart record.

Checking the space manager.

Checking the space manager free queue trees.

Checking the object map.

Checking volume.

Checking the APFS volume superblock.

The volume Macintosh HD was formatted by diskmanagementd (1412.61.1) and last modified by apfs\_kext (1412.101.1).

Checking the object map.

Done



## Running First Aid on "Macintosh HD"

---

First Aid process is complete. Click Done to continue.

 Hide Details

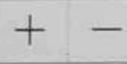
Checking the snapshot metadata tree.  
Checking the snapshot metadata.  
Checking the extent ref tree.  
Checking the fsroot tree.  
Verifying allocated space.  
The volume /dev/rdisk2s5 appears to be OK.  
File system check exit code is 0.  
Restoring the original state found as mounted.

Done

Disk Utility



View



Volume



First Aid



Partition



Erase



Restore



Unmount



Info

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Macintosh HD



Macintosh HD - Data

Disk Images



macOS Base System



# Macintosh HD

APFS Volume • APFS  
macOS 10.15.4

499.42 GB

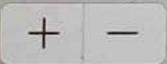
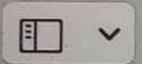
SHARED BY 5 VOLUMES



<span style="color: blue;">■</span> <b>Used</b> 11.18 GB	<span style="color: grey;">■</span> <b>Other Volumes</b> 487.64 GB	<span style="color: white;">■</span> <b>Free</b> 600.6 MB
---	---	--

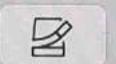
Mount Point:	/Volumes/Macintosh HD	Type:	APFS Volume
Capacity:	499.42 GB	Owners:	Enabled
Available:	600.6 MB (Zero KB purgeable)	Connection:	PCI
Used:	11.18 GB	Device:	disk2s5

Disk Utility



View

Volume



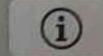
First Aid

Partition

Erase

Restore

Unmount



Info

Internal



Macintosh HD



Macintosh HD - Data

Disk Images



macOS Base System



# Macintosh HD - Data

APFS Volume • APFS

macOS 10.15.4

499.42 GB

SHARED BY 5 VOLUMES



**Used**  
478.27 GB

**Other Volumes**  
20.55 GB

**Free**  
600.6 MB

Mount Point:	/Volumes/Macintosh HD - Data	Type:	APFS Volume
Capacity:	499.42 GB	Owners:	Enabled
Available:	600.6 MB (Zero KB purgeable)	Connection:	PCI
Used:	478.27 GB	Device:	disk2s1



## Run First Aid on "Macintosh HD - Data"?

First Aid will check the volume for errors. It will then repair the volume if necessary.

Cancel

Run



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

### Running First Aid on "Macintosh HD - Data" (disk2s1)

Repairing file system.

Volume was successfully unmounted.

Performing `fsck_apfs -y -x /dev/rdisk2s1`

Checking the container superblock.

warning: container has been mounted by APFS version 1412.141.1, which is newer than 1412.101.1

warning: disabling overallocation repairs by default; use `-o` to override

Done



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: disabling overallocation repairs by default; use -o to override

Checking the EFI jumpstart record.

Checking the space manager.

Checking the space manager free queue trees.

Checking the object map.

Checking volume.

Checking the APFS volume superblock.

The volume Macintosh HD - Data was formatted by hfs\_convert (748.1.46) and last modified by apfs\_kext (1412.101.1).

Done



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

Checking the object map.

Checking the snapshot metadata tree.

Checking the snapshot metadata.

Checking the extent ref tree.

Checking the fsroot tree.

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

Done

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file  
warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file  
warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file  
warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file  
warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

Done



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

warning: xf : INO\_EXT\_TYPE\_DSTREAM : found unexpected dstream associated with non-regular file

Too many warnings of this type generated; suppressing subsequent ones.

warning: found orphan dstream id object (id 21604235, refcnt 1)

Done



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

```
warning: found orphan dstream id object (id 21904757, refcnt 1)
warning: found orphan dstream id object (id 23093636, refcnt 1)
warning: found orphan dstream id object (id 23576154, refcnt 1)
warning: found orphan dstream id object (id 25229348, refcnt 1)
warning: found orphan dstream id object (id 25379798, refcnt 1)
warning: found orphan dstream id object (id 27457054, refcnt 1)
warning: found orphan dstream id object (id 27480132, refcnt 1)
warning: found orphan dstream id object (id 29627575, refcnt 1)
warning: found orphan dstream id object (id 29654637, refcnt 1)
```

Done



## Running First Aid on "Macintosh HD - Data"

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: found orphan dstream id object (id 34580869, refcnt 1)  
warning: found orphan dstream id object (id 34942334, refcnt 1)  
warning: found orphan dstream id object (id 35797554, refcnt 1)  
warning: found orphan dstream id object (id 35808235, refcnt 1)  
warning: found orphan dstream id object (id 36189675, refcnt 1)  
warning: found orphan dstream id object (id 38406507, refcnt 1)  
warning: found orphan dstream id object (id 38583497, refcnt 1)  
warning: found orphan dstream id object (id 39427799, refcnt 1)  
warning: found orphan dstream id object (id 39477178, refcnt 1)  
warning: found orphan dstream id object (id 39547637, refcnt 1)

Done



## Running First Aid on "Macintosh HD - Data"

---

First Aid process is complete. Click Done to continue.

▼ Hide Details

warning: found orphan dstream id object (id 50496715, refcnt 1)

Too many warnings of this type generated; suppressing subsequent ones.

Verifying allocated space.

Performing deferred repairs.

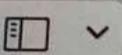
The volume /dev/rdisk2s1 appears to be OK.

File system check exit code is 0.

Restoring the original state found as mounted.

**Operation successful.**

Disk Utility



View



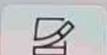
Volume



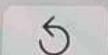
First Aid



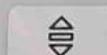
Partition



Erase



Restore



Unmount



Info

Internal



Macintosh HD



Macintosh HD - Data

Disk Images



macOS Base System



# Macintosh HD - Data

APFS Volume • APFS  
macOS 10.15.4

499.42 GB

SHARED BY 5 VOLUMES



Used

478.27 GB

Other Volumes

20.55 GB

Free

600.6 MB

Mount Point:	/Volumes/Macintosh HD - Data	Type:	APFS Volume
Capacity:	499.42 GB	Owners:	Enabled
Available:	600.6 MB (Zero KB purgeable)	Connection:	PCI
Used:	478.27 GB	Device:	disk2s1

Add Tags...

▼ General:

Kind: Volume  
Created: 20December, 2019 at 3:54 PM  
Modified: Saturday, May 2, 2020 at 7:01 PM  
Version: 10.15.4  
Format: APFS  
Capacity: 499.42 GB  
Available: 567.7 MB  
Used: 489,484,877,824 bytes (489.48 GB on disk)

Shared folder

▼ More Info:

--

▼ Name & Extension:

Macintosh HD

Hide extension

▼ Comments:

▼ Preview:



▼ Sharing & Permissions:

You can only read

Name	Privilege
system	↕ Read & Write
admin	↕ Read only
everyone	↕ Read only

+ - ⚙️



Last login: Sun Oct 18 06:11:03 on console

The default interactive shell is now zsh.

To update your account to use zsh, please run `'chsh -s /bin/zsh'`.

For more details, please visit <https://support.apple.com/kb/HT208050>.

macbook-pro-13:~ roy\$ sudo tmutil listlocalsnapshots /

Last login: Sun Oct 18 06:11:03 on console

The default interactive shell is now zsh.

To update your account to use zsh, please run 'chsh -s /bin/zsh'.

For more details, please visit <https://support.apple.com/kb/HT208050>.

macbook-pro-13:~ roy\$ sudo tmutil listlocalsnapshots /

Password:

Snapshots for volume group containing disk /:

macbook-pro-13:~ roy\$ █



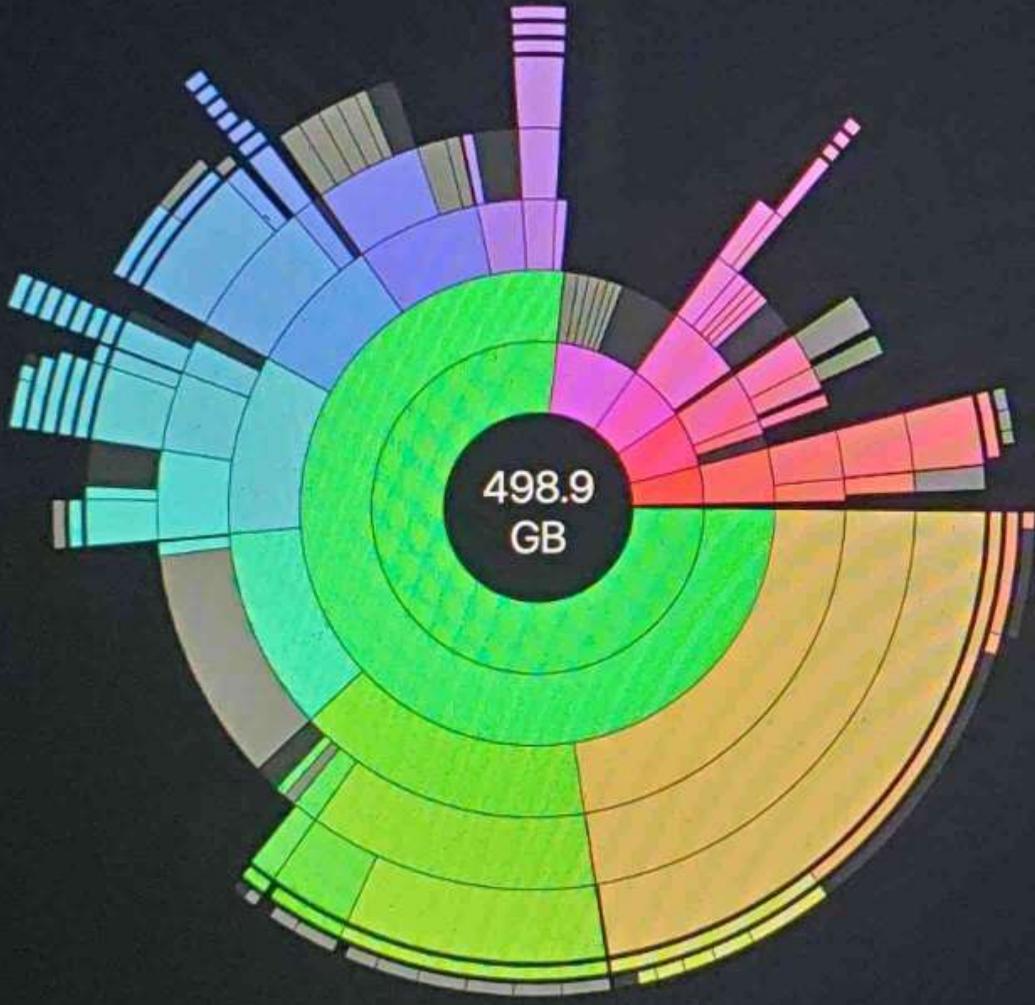
Disks and Folders

Macintosh HD

Macintosh HD

498.9 GB

- Users 190.7 GB
- Applications 20.3 GB
- System 14.2 GB
- Library 13.6 GB
- private 9.2 GB
- ...smaller objects... 668.2 MB



Disk "Macintosh HD" is read only