

TOPICS TO STUDY

- ☐ Introduction
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- ☐ What is Disk Management?
- ☐ Use of Disk Management and benefit
- ☐ How to Open Disk Management
- ☐ How to Partition a Hard Drive in Windows



Introduction

What is disk in a computer?

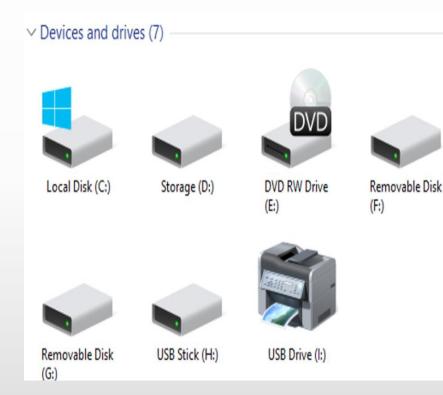
A computer hard disk drive (HDD) is a <u>non-volatile</u> data storage device.

Already we know about software's, and what is the purpose of software: software is used to manage the hardware peripherals. In that case how we can manage the hard disk?

Some methods are used to manage the hard disk but in my topic I discuss about how we can manage a hard disk on windows?

Disk management utility software is used for managing the hard disk

Disk Management is an important functionality provided by the Operating System which can be used to create, delete, format disk partitions, and much more.

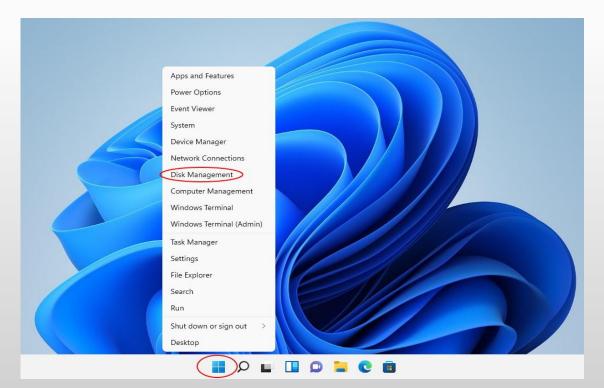


History of Disk Management

Disk Management is a replacement for the fdisk command.

First introduced in Windows XP. (2001)





• What is Disk Management?

Disk Management is an important functionality provided by the Operating System which can be used to create, delete, format disk partitions and much more.



Use of disk management and benefit

- 1. Disk Management helps to format disk drives.
- 2. Disk Management enables the user to rename a disk.
- 3. Disk Management also use to partition our hard disk space and also shrink the drive volume.

4. Using Disk Management, the user can assign a Drive Letter to a disk. For example, C Drive or D drive, etc.





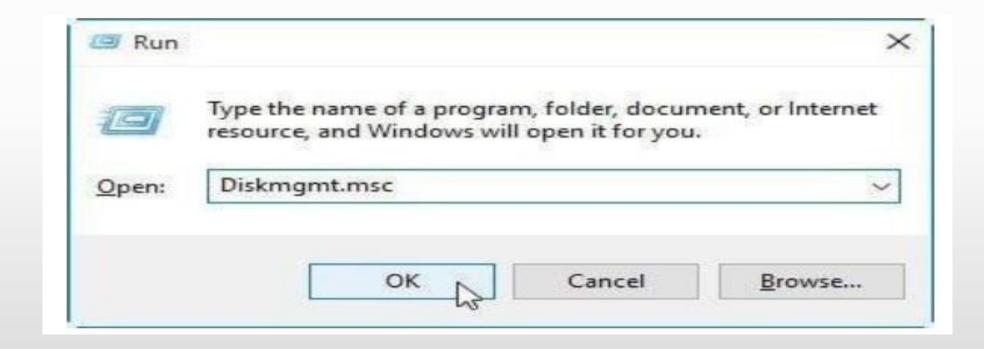


How to Open Disk Management

Way 1: The easiest way to open Disk Management >Right click on Start Menu and then select "Disk Management". (or press Windows+X hotkey)



Way 2: Use Windows+R hotkey to open Run window. Then type "<u>Diskmgmt.msc</u>" and click "OK" or hit "Enter" key.

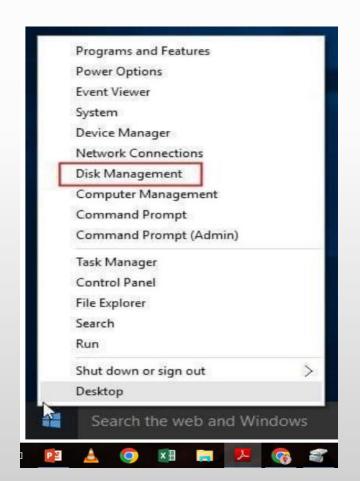


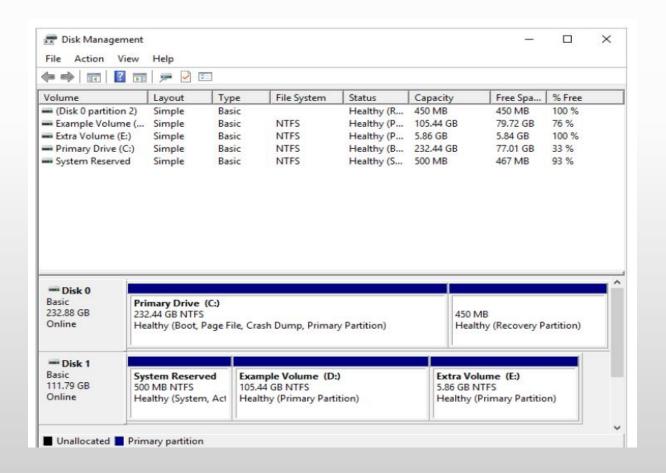
Way 3: Directly type "disk management" in the Search box and choose "Create and format hard disk partitions" from the results.



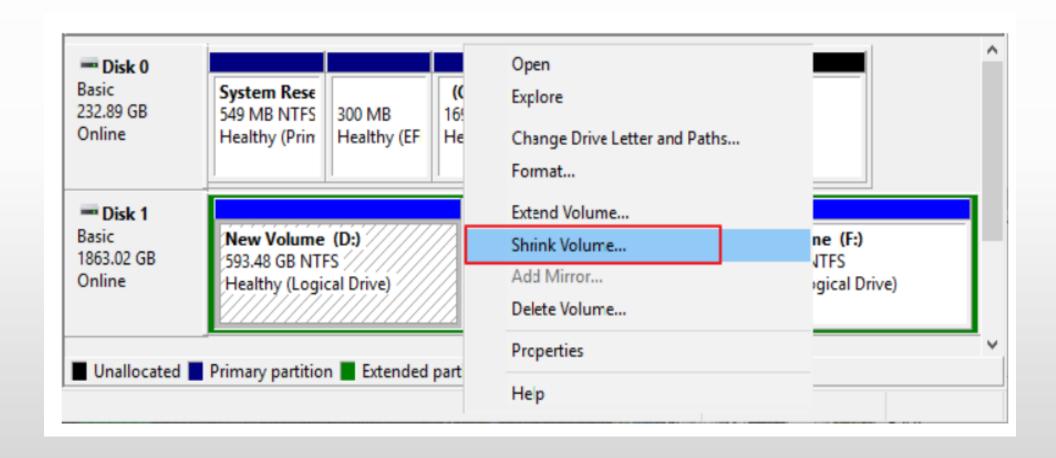
How to Partition a Hard Drive in Windows

Step 1. Open Disk Management, Right-click the Windows icon, then click Disk Management

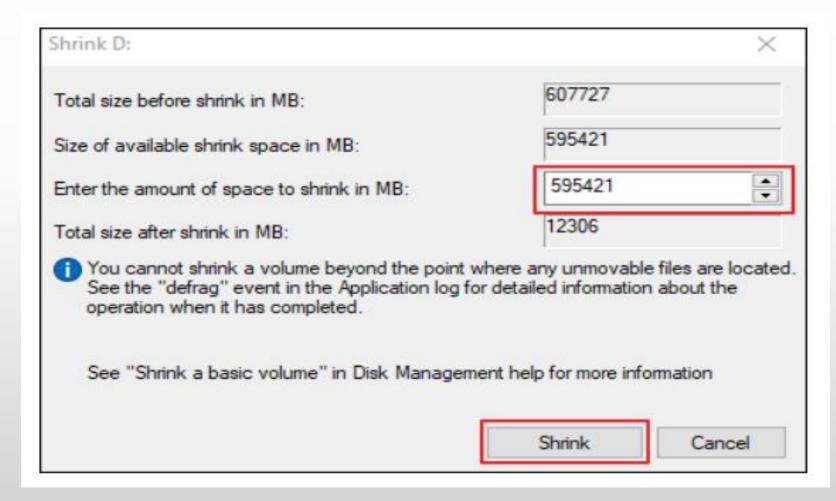


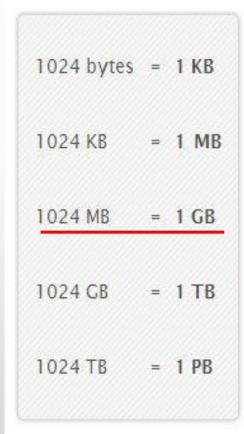


Step 2. Right-click the hard disk partition that you want to shrink, and select "Shrink Volume".

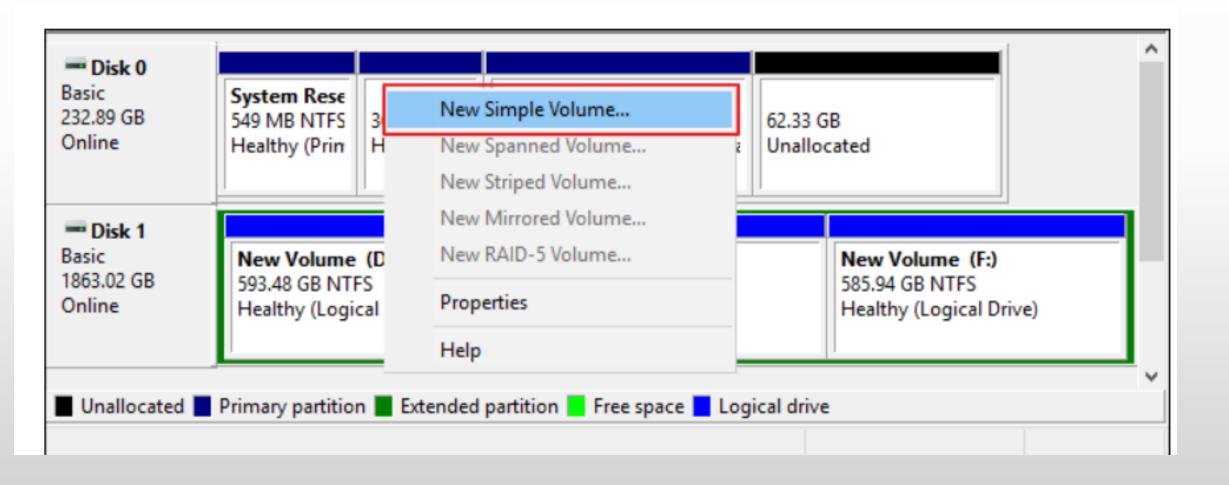


Step 3. Enter the amount of space you want to shrink in MB, then click on the "Shrink" button.

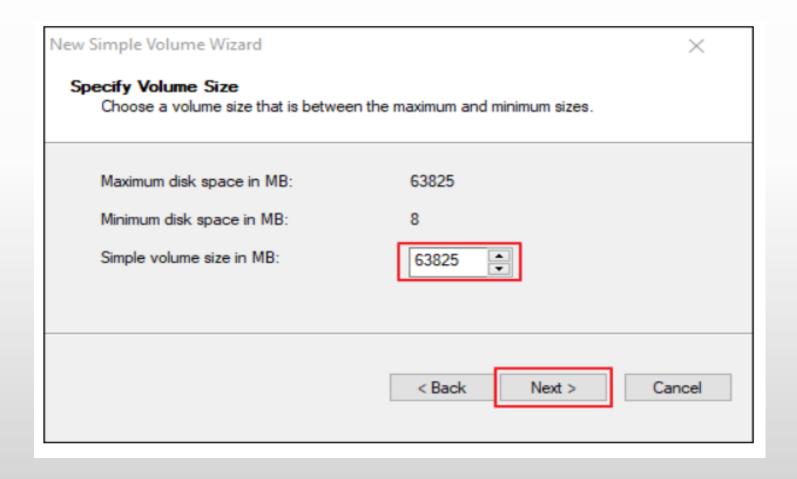




Step 4. Right-click on the unallocated space on your hard disk, and then select "New Simple Volume"

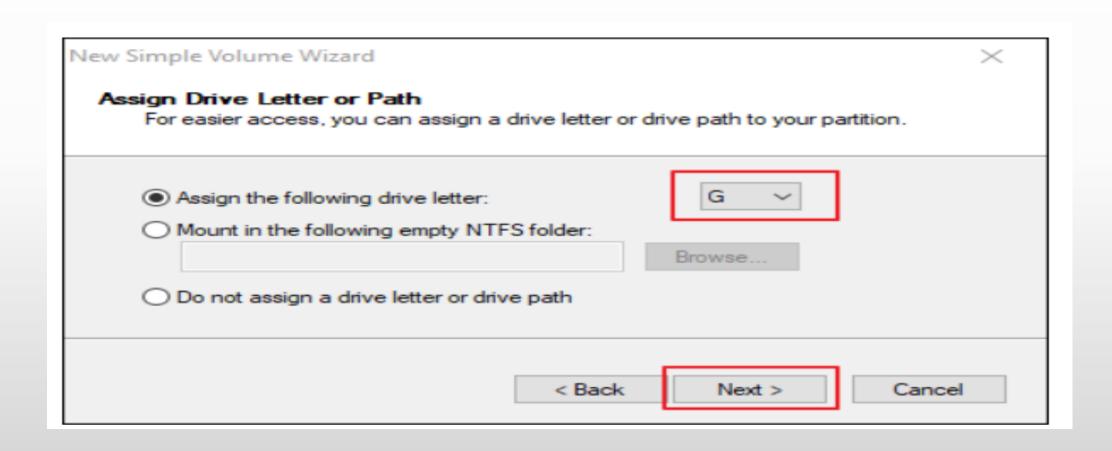


- **Step 5.** In the New Simple Volume Wizard interface, click "Next".
- **Step 6.** Enter the size of the volume you want to create in MB or accept the default size, and then select "Next".

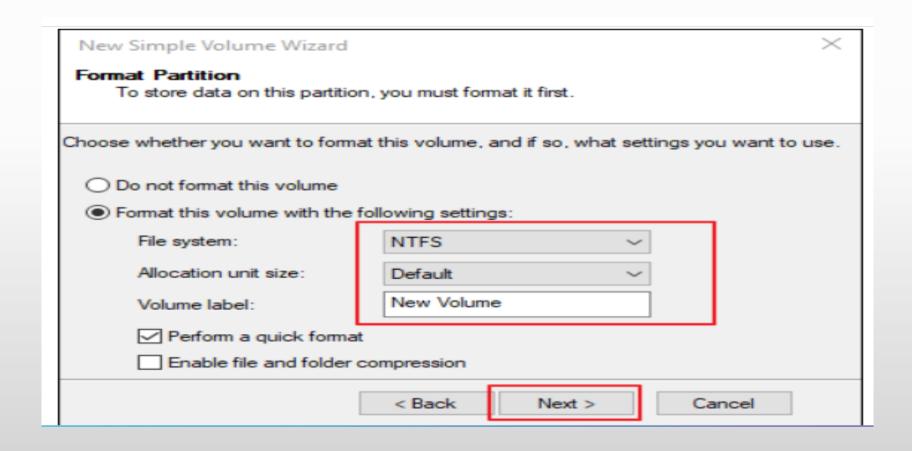




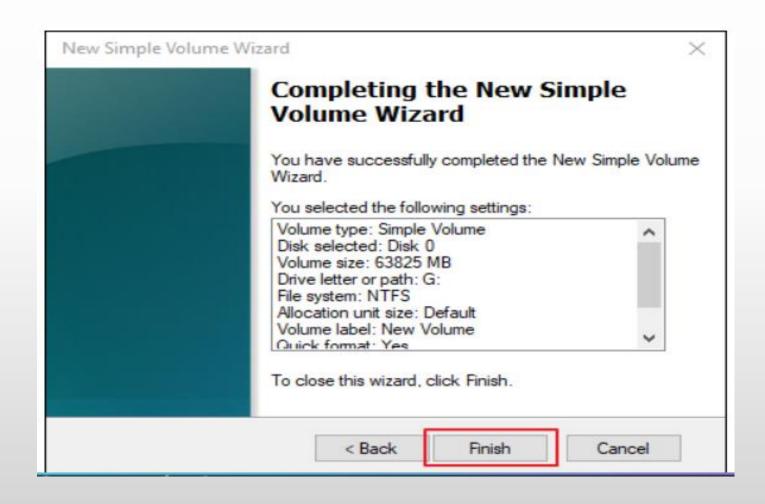
Step 7. Accept the default drive letter or choose a different letter for the partition, and then select "Next".



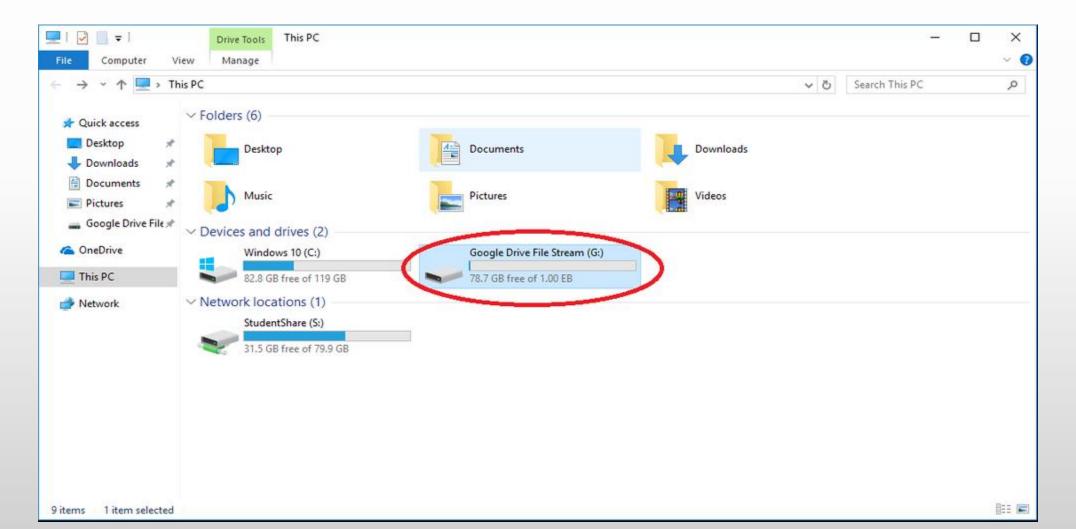
Step 8. Set the default file system as NTFS and click "Next" to format the volume.



Step 9. Click "Finish" to complete creating a new partition in Drive.



- Now, we are go to THIS PC
- > And cheek there new G Drive is available.



Can we done our Disk-Management in another Operating System??



✓ Access Disk Management in Different O S.

- 1. In Windows Operating System:
 - Using Run Box: Click on Start Button > Click on
 Run > Type diskmgmt.msc > Click OK. The Disk Management will open.

- 2. In <u>Linux</u> Operating System: There are several commands used to check Disk Partitions and Disk Space on the Linux operating system.
 - Some of them are mentioned below:
 a. fdisk b. sfdisk c. cfdisk d. parted e. df
- 3.In <u>Mac</u> Operating System:
 - Using Launchpad: Click on Launchpad Icon > Type Disk Utility "> "Click on Disk Utility Icon. The Disk Utility will open.





