

12.2.3 Optional Lab: Create a Partition in Windows 7

Introduction

Print and complete this lab.

In this lab, you will create a FAT32 formatted partition on a disk. You will convert the partition to NTFS. You will identify the differences between the FAT32 format and the NTFS format.

Recommended Equipment

- Computer running Windows 7
- Unpartitioned space of at least 1 GB on the hard disk drive

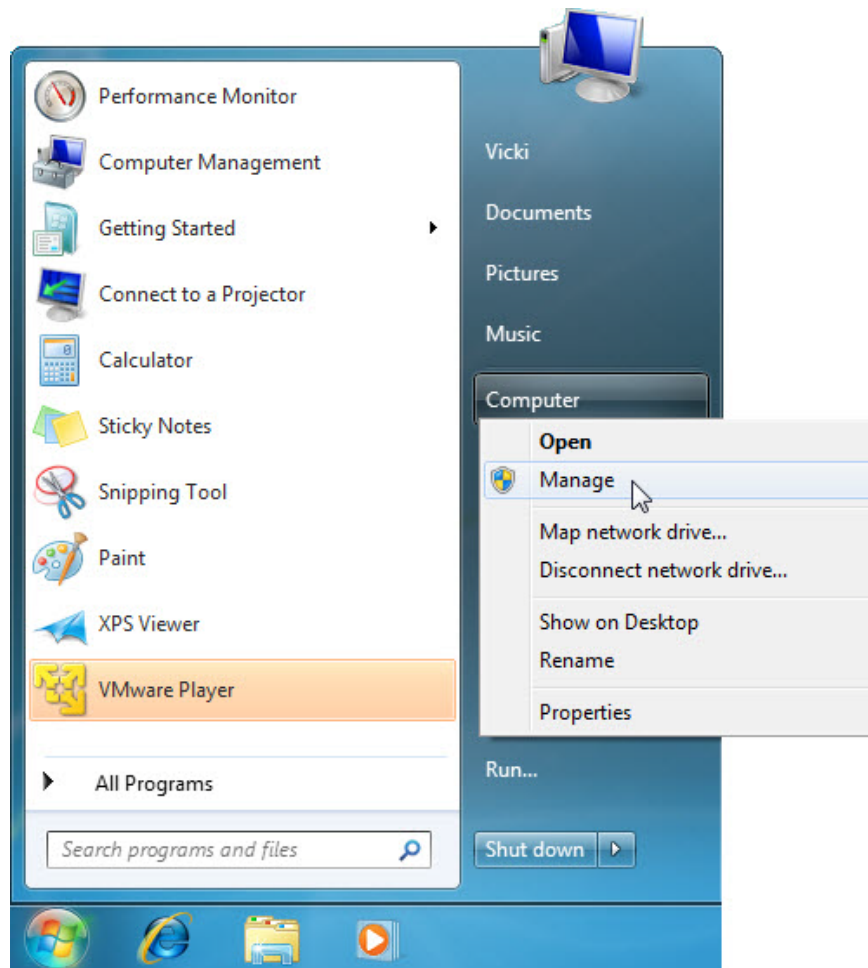
Note: You may need to substitute different drive letters for the letters shown in this lab.

Step 1

Log on to Windows as an Administrator.

Click **Start**.

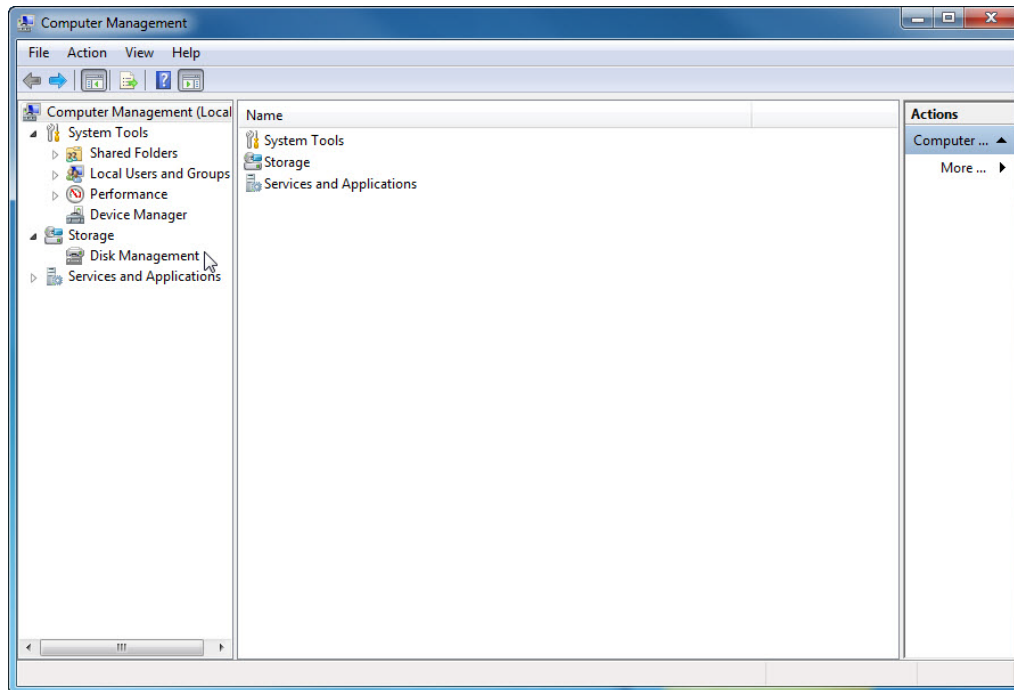
Right-click **Computer > Manage**.



Step 2

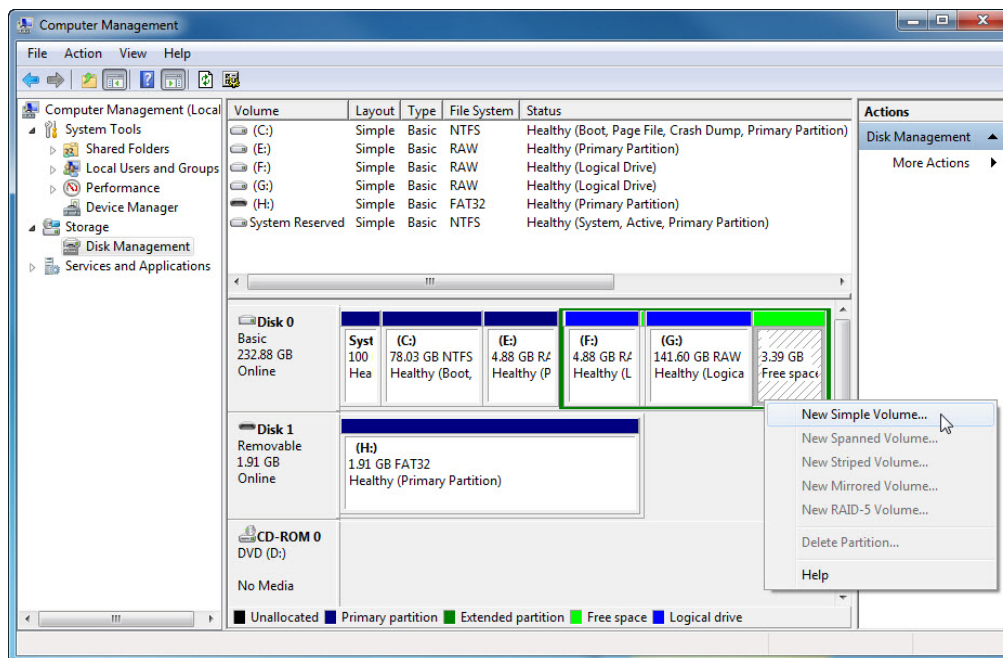
The **Computer Management** window appears.

Click **Disk Management** on the left side of the screen.



Right-click the green-outlined block of **Free Space**.

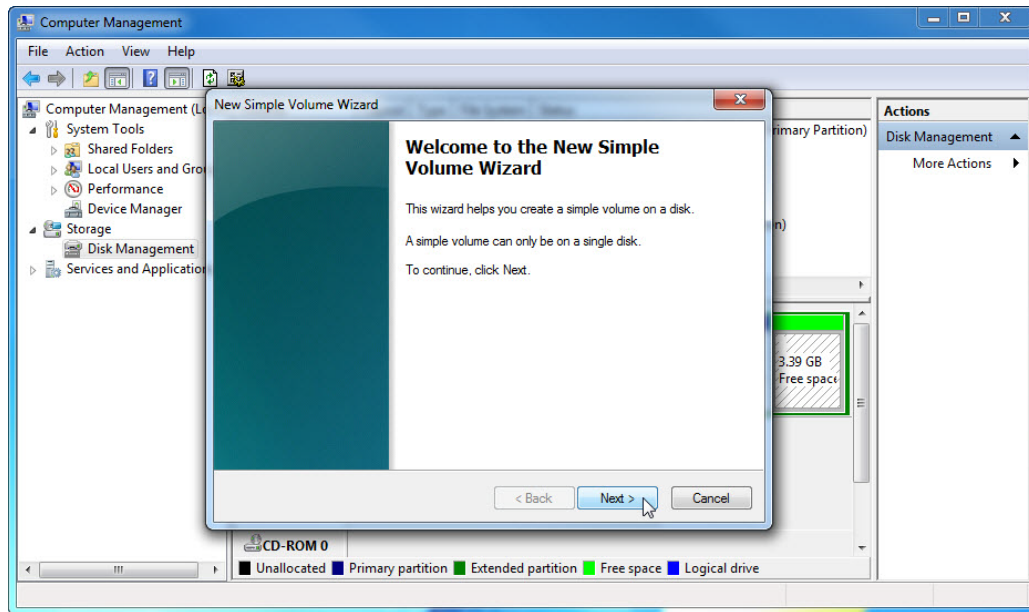
Click **New Simple Volume....**



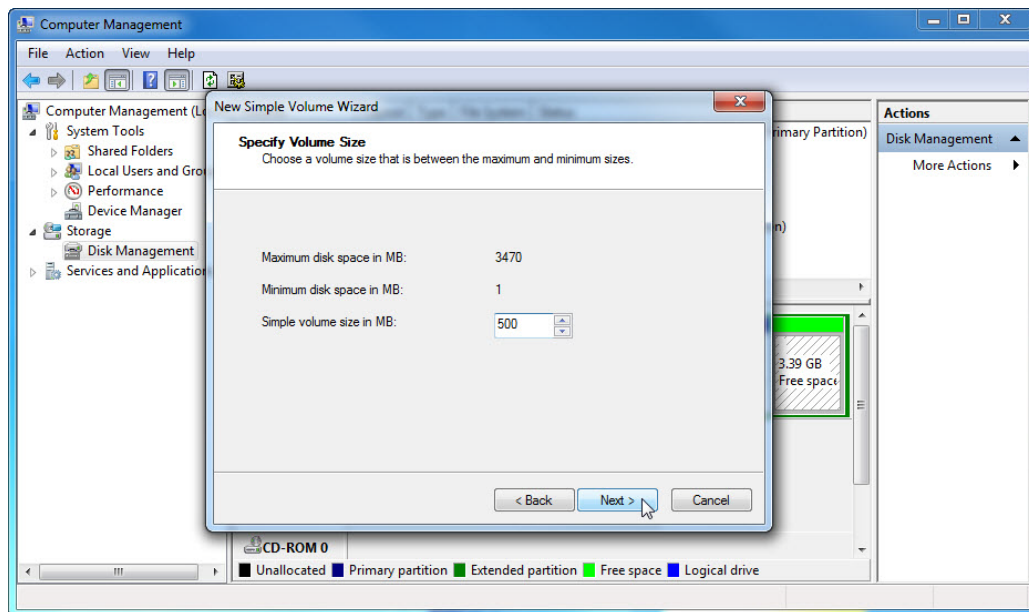
Step 3

The **New Simple Volume Wizard** window appears.

Click **Next**.



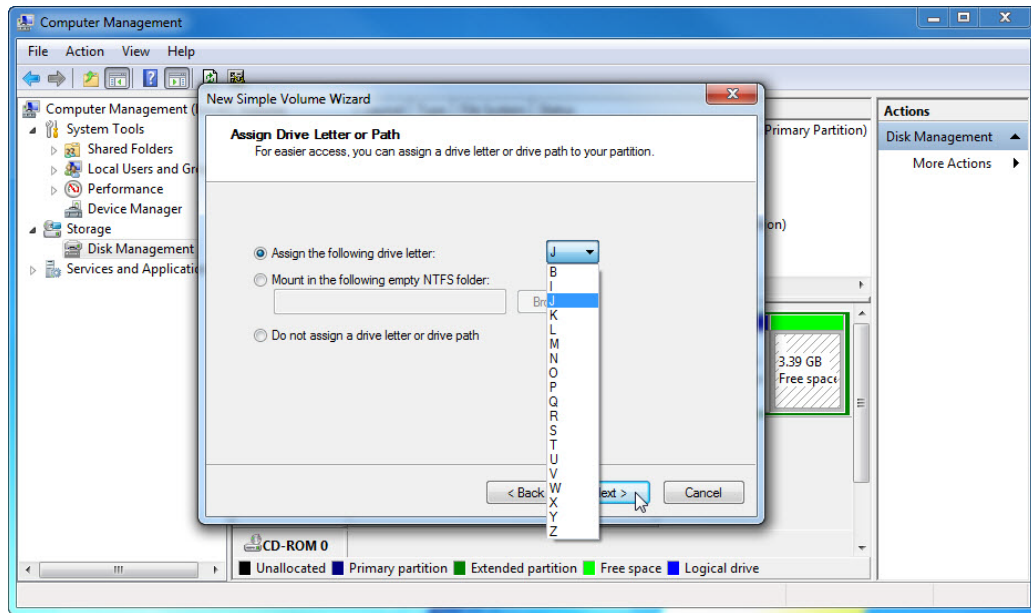
Type **500** in the **Simple volume size in MB:** field.



Click **Next**.

Click the **Assign the following drive letter:** radio button.

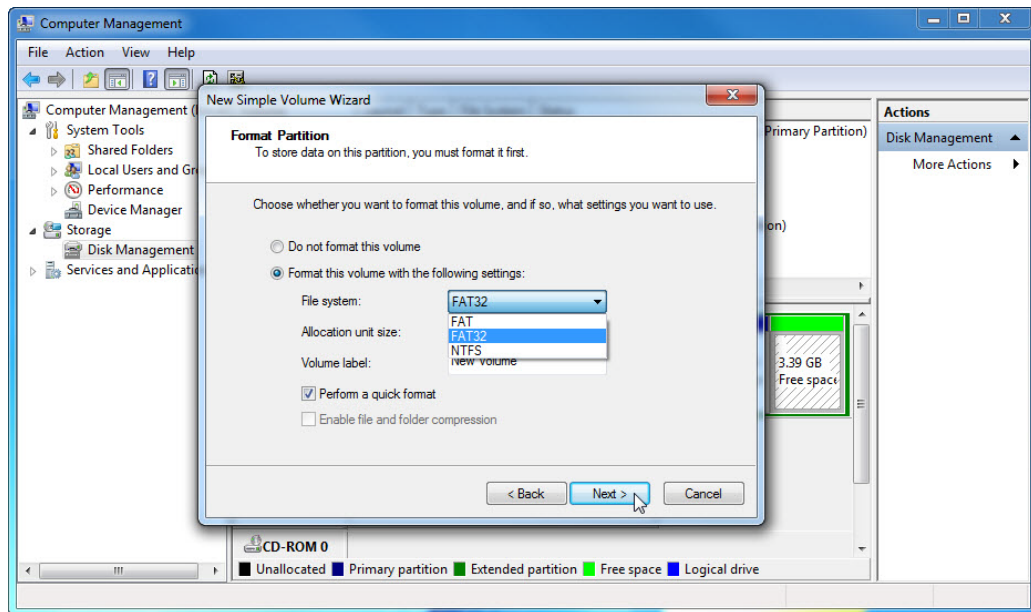
Select **J** from the drop-down menu.



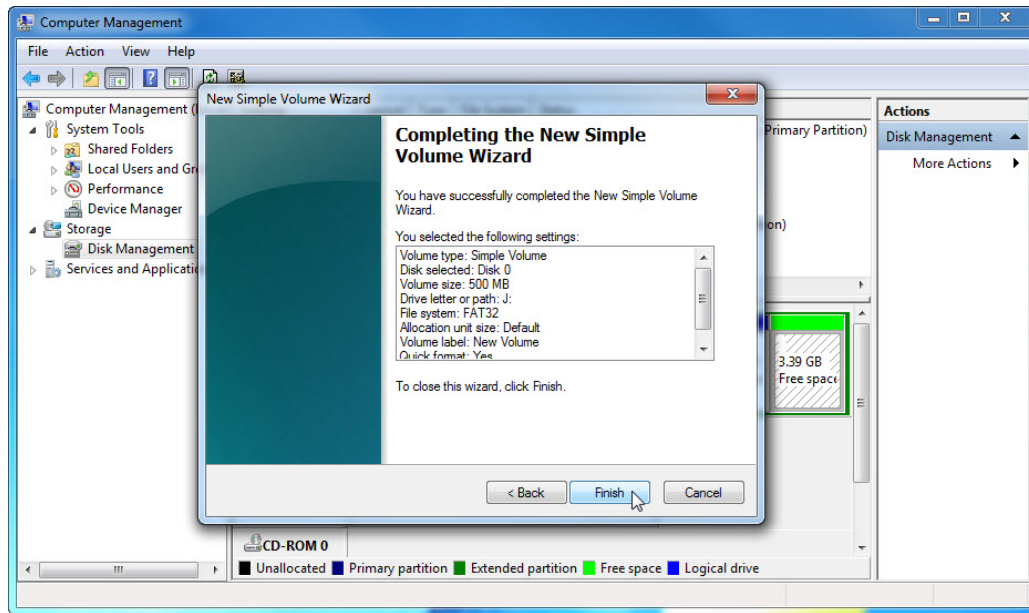
Click **Next**.

Click the **Format this volume with the following settings**: radio button.

Select **FAT32** from the File system drop-down menu.



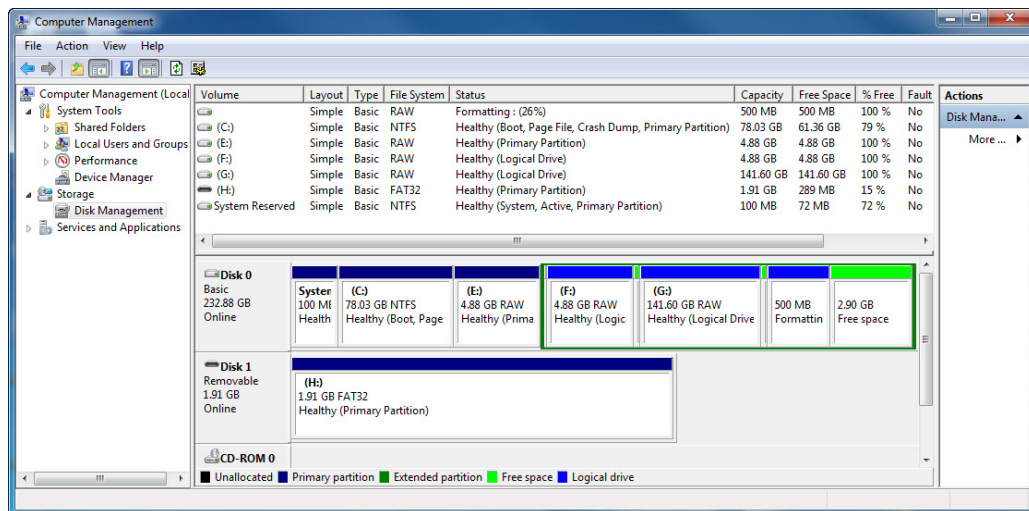
Click **Next**.



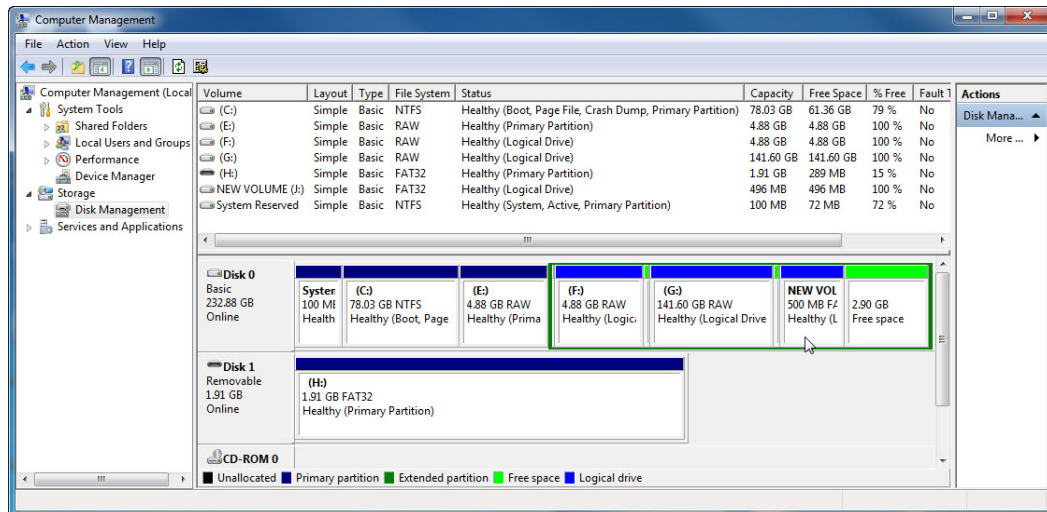
Click **Finish**.

Step 4

The **Computer Management** window re-appears while the new volume is formatted.



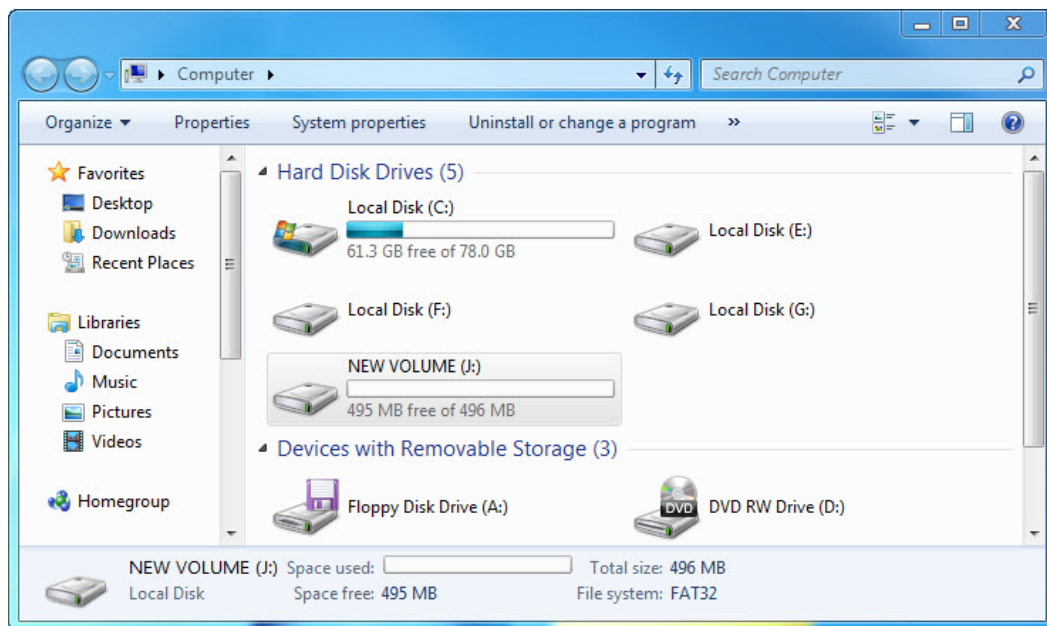
The **Computer Management** window shows the new **Healthy (Logical Drive)** volume.



Step 5

Open **Computer**.

Click the **NEW VOLUME (J:)** drive.



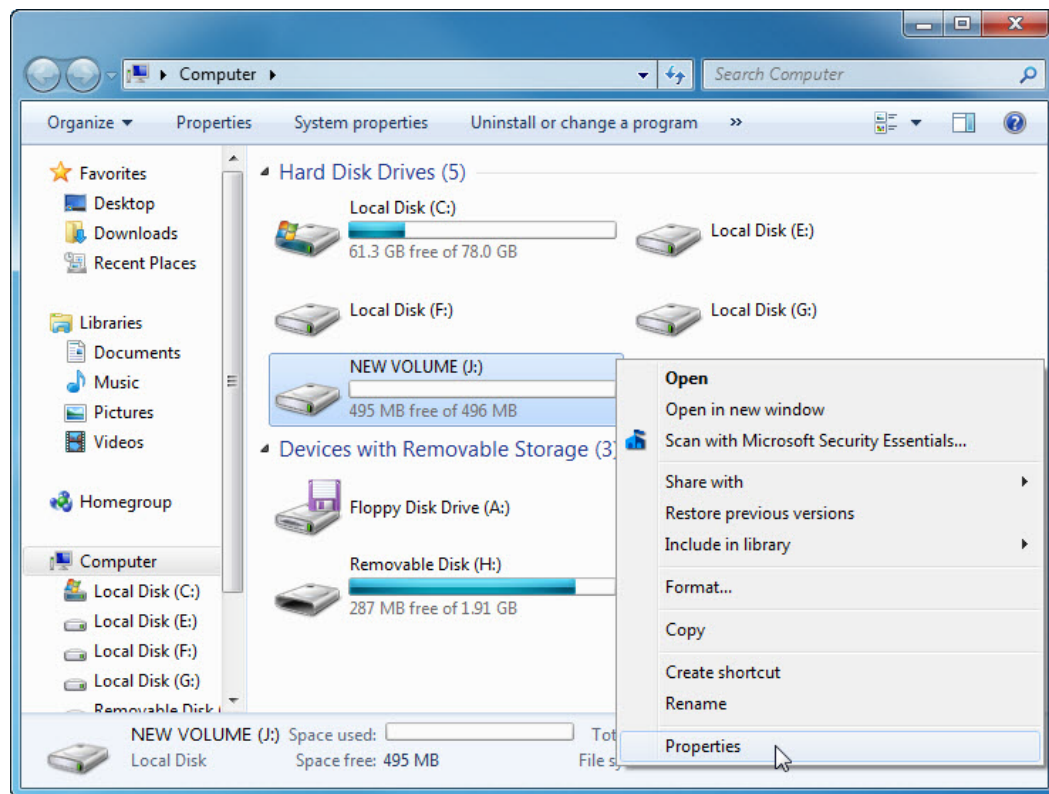
The **Details** area on the bottom of the **Computer** window displays information about the J: drive.

What is the File System?

How much Free Space is shown?

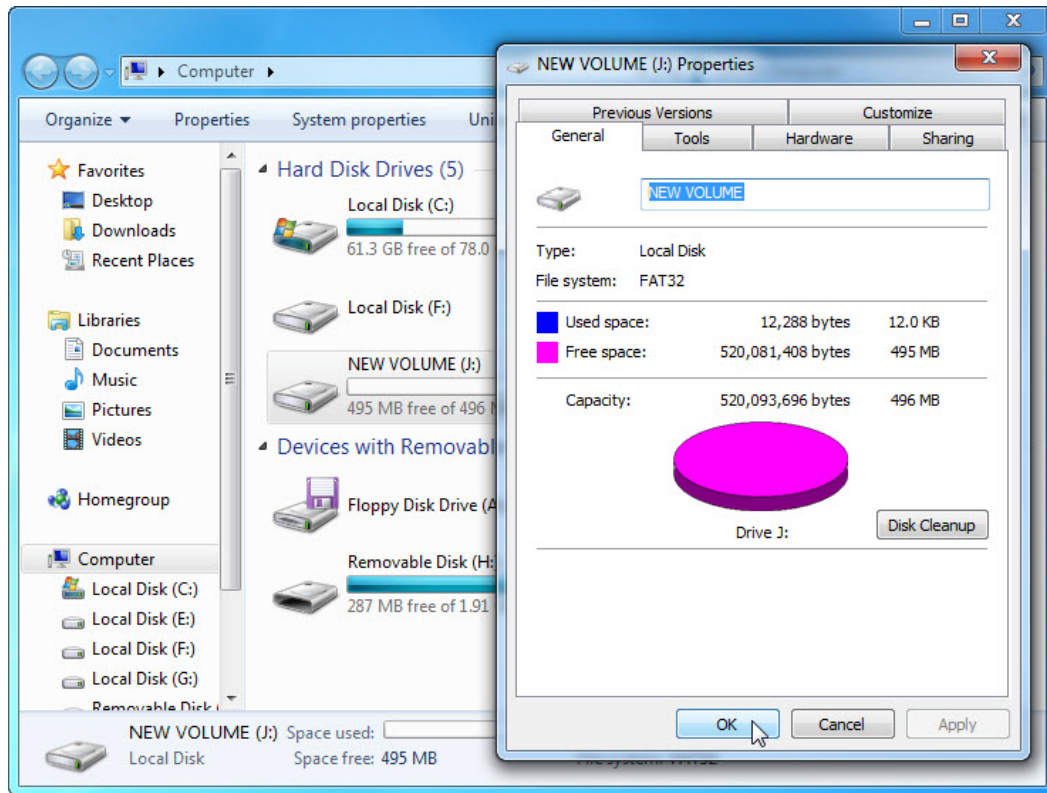
Right-click the **NEW VOLUME (J:)** drive.

Click **Properties**.



Step 6

The **NEW VOLUME (J:) Properties** window appears.



What is the File system of the J: drive?

List the tabs found in the **NEW VOLUME (J:) Properties** window.

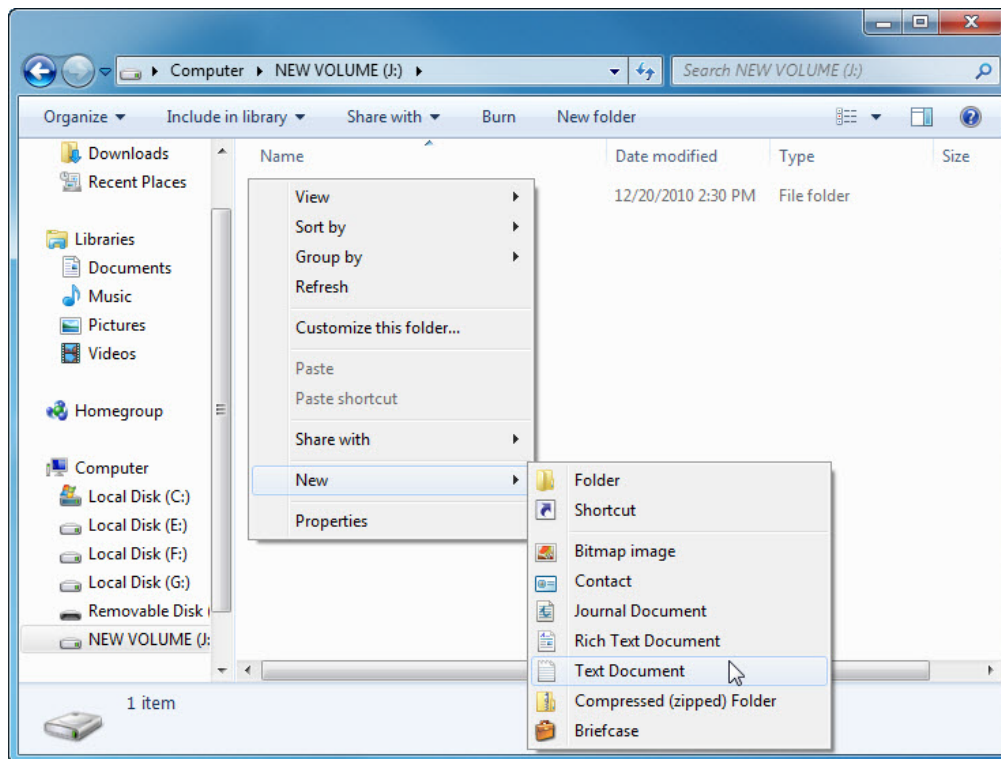
Click **OK**.

Double-click the **NEW VOLUME (J:)** drive.

Step 7

Right-click anywhere in the white space of the window.

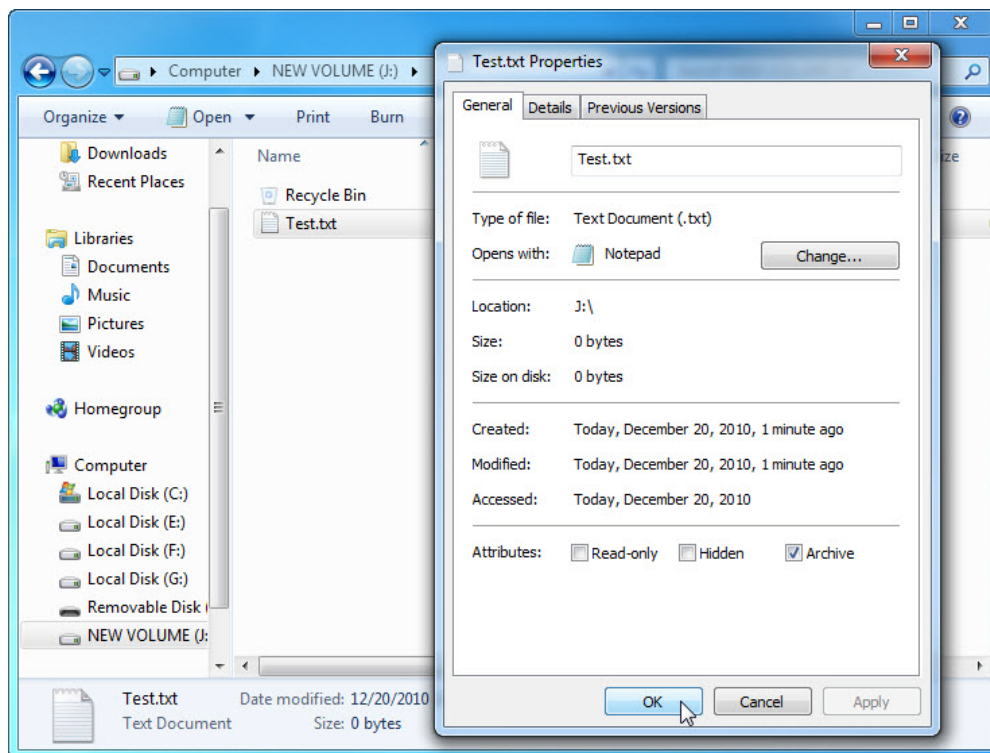
Click **New > Text Document**.



Type **Test** and press **Enter**.

Step 8

Right-click the **Test** document in the window and choose **Properties**.



The **Test Properties** window appears.

List the tabs found in the **Test Properties** window?

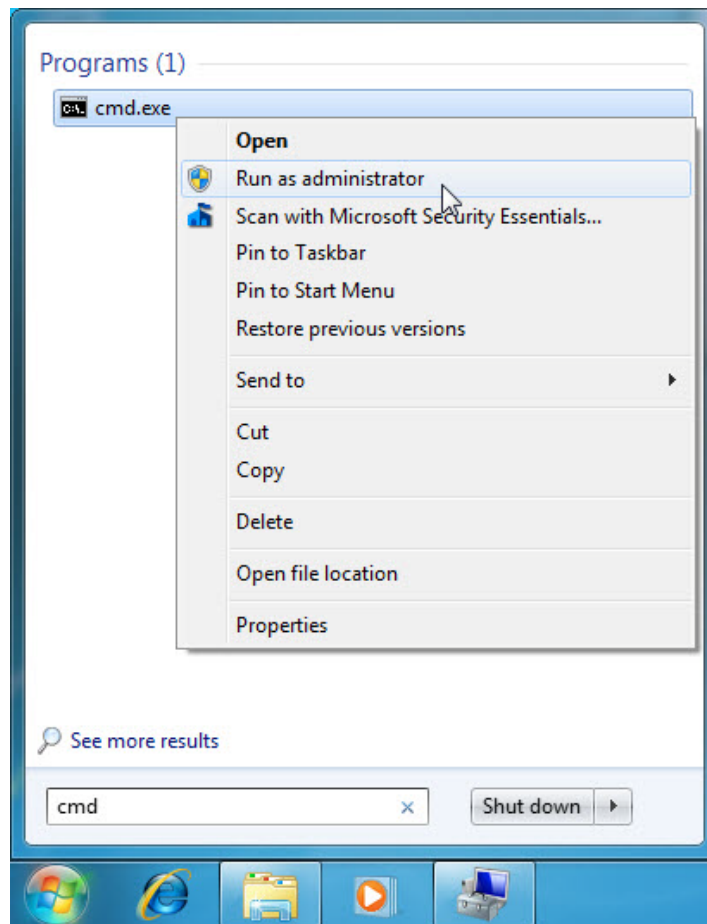
Click **OK**.

Close any windows open for the J: drive.

Step 9

Click **Start**.

In the **Search programs and files** field, type **cmd**. When the cmd program appears, right-click **cmd** > **Run as administrator**.



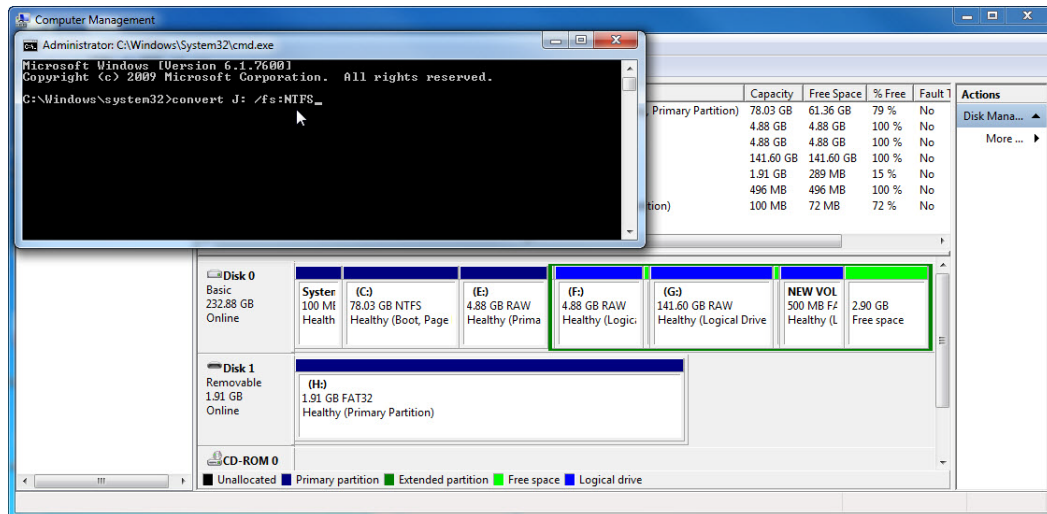
Click **Yes** if prompted by User Account Control.

Step 10

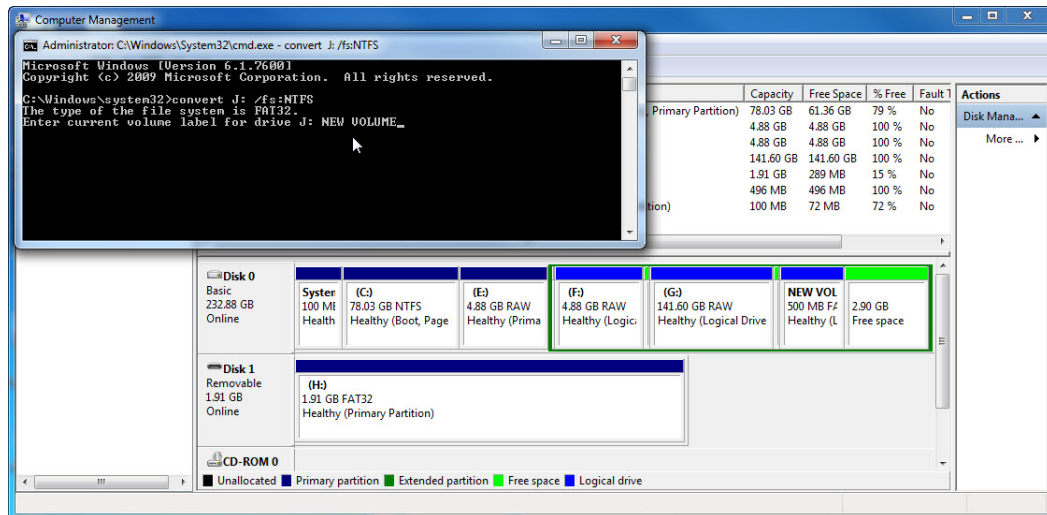
The **Administrator: C:\Windows\System32\cmd.exe** window appears.

Type **convert J: /fs:NTFS** > press the **Enter** key.

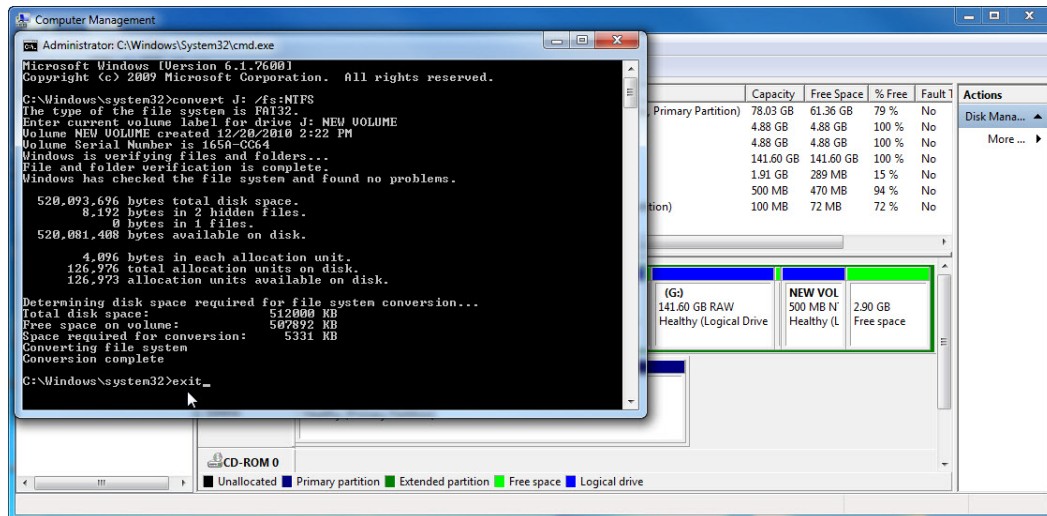
The **convert** command changes the file system of a volume without losing data.



You will be prompted to enter the current volume label for drive J:. Type **NEW VOLUME** and the **Enter** key.

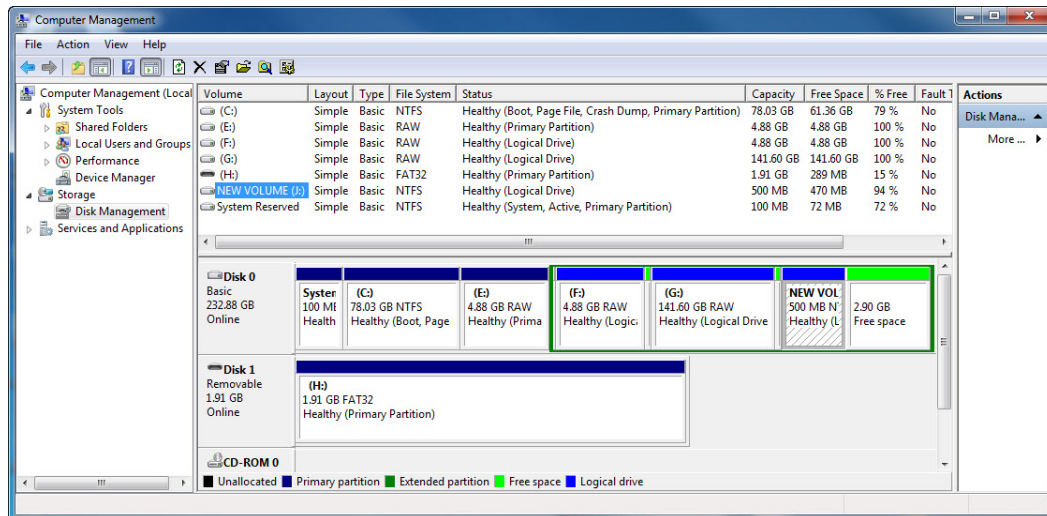


After the drive is converted, type **exit** in the **Administrator: C:\Windows\System32\cmd.exe** window, and then press **Enter**.



Step 11

The C:\WINDOWS\System32\cmd.exe window closes.

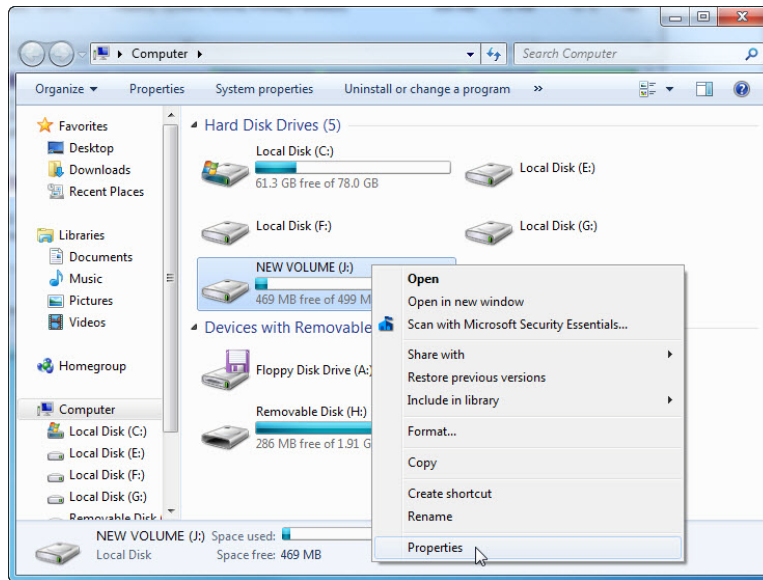


What is the File System of the J: drive?

Step 12

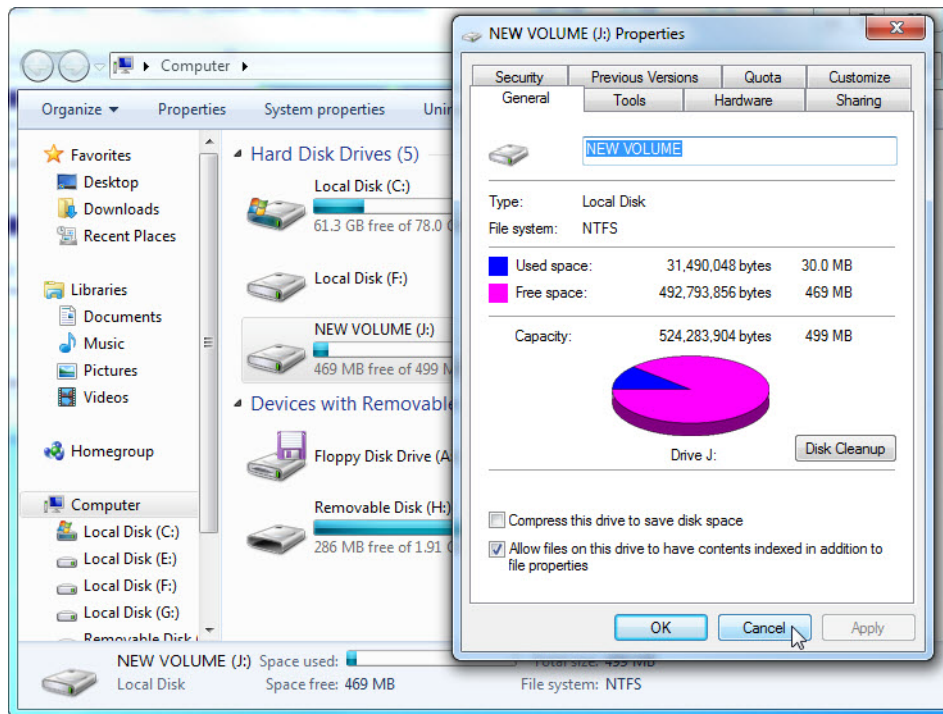
Open **Computer**.

Right-click **NEW VOLUME (J:)** > **Properties**.



Step 13

The **NEW VOLUME (J:) Properties** window appears.



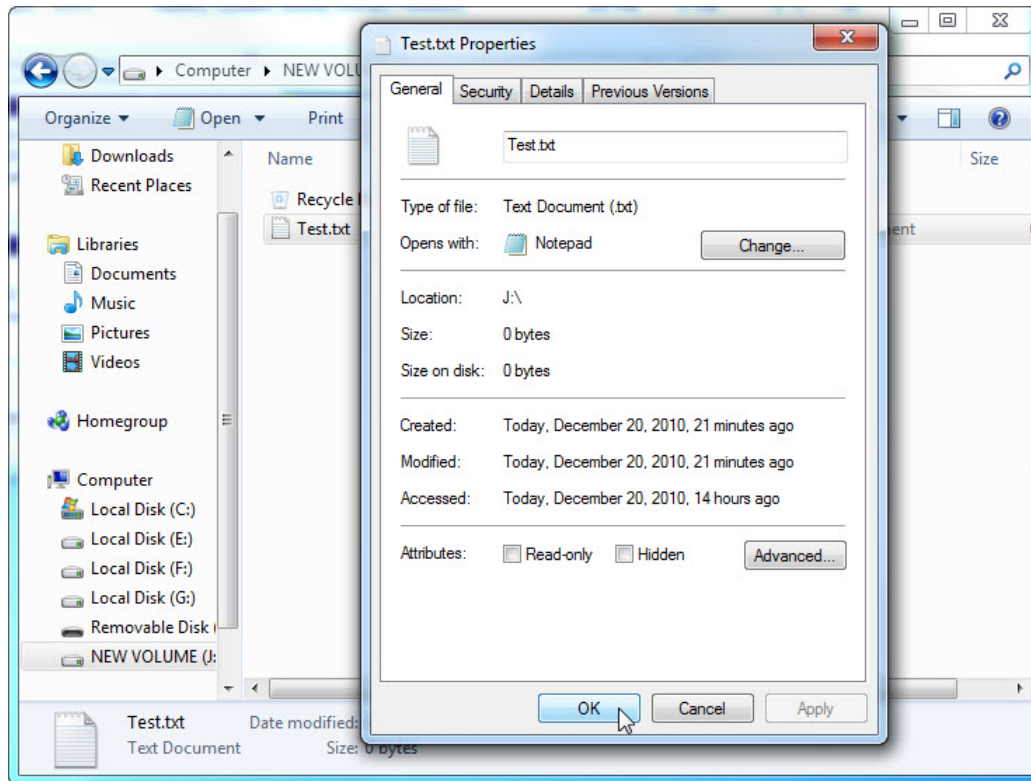
What are the tabs in the **NEW VOLUME (J:) Properties** window?

When the volume was FAT32, there were six tabs. What are the names of the new tabs that were added after the volume was converted to NTFS?

Click **Cancel**. Double-click the **NEW VOLUME (J:)** drive.

Step 14

Right-click the **Test** document > **Properties**.



What are the tabs in the **Test Properties** window?

When the volume was FAT32, there were three tabs. What is the name of the new tab that was added after the volume was converted to NTFS?

Click **OK**.