

STUDENT ACTIVITY 4.3: UNDERSTANDING DISK TYPES

MTA Course: 98-365 Windows Server® Administration Fundamentals

Topic: Understanding disk types

File name: WinServerFund_SA_4.3

Lesson Objective

4.3: Understand disk types. *This objective may include but is not limited to:* basic disk; dynamic disk; mount points; file systems; mounting a virtual hard disk; distributed file systems; optical disks

Resources, software, and additional files needed for this lesson

- Windows® Server 2008® R2 (Windows 7® can be substituted)

Directions to the student

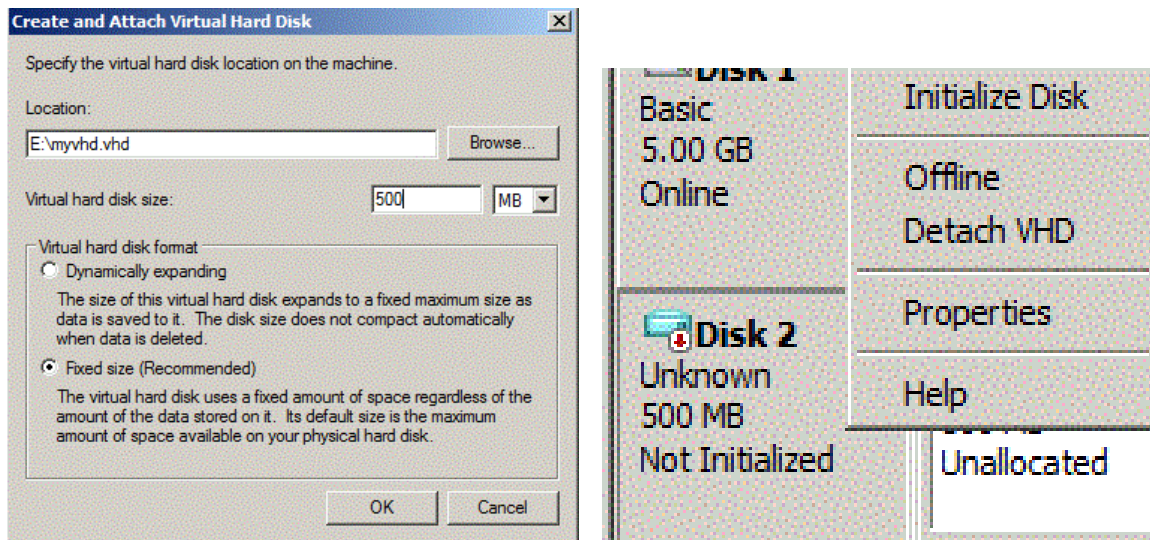
Complete the following activity. Have your instructor verify completion.


Content

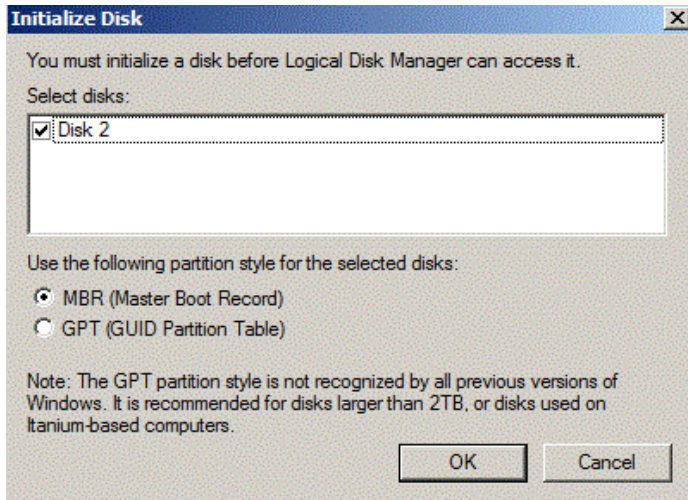
Creating a virtual hard disk and assigning a mount point

1. Log onto your Windows Server 2008 R2 as Administrator.
2. Launch Server Manager by clicking Start→All Programs→Administrative Tools→Server Manager.
3. Expand the Storage option in Server Manager.
4. Select Disk Management.
5. Click on the Action menu and select Create VHD.
6. Browse to your secondary drive (use system drive if you don't have a secondary drive) and create a VHD file named **myvhd.vhd** and click Save.

7. Allocate 500 MB for this virtual hard disk and click OK (see below).

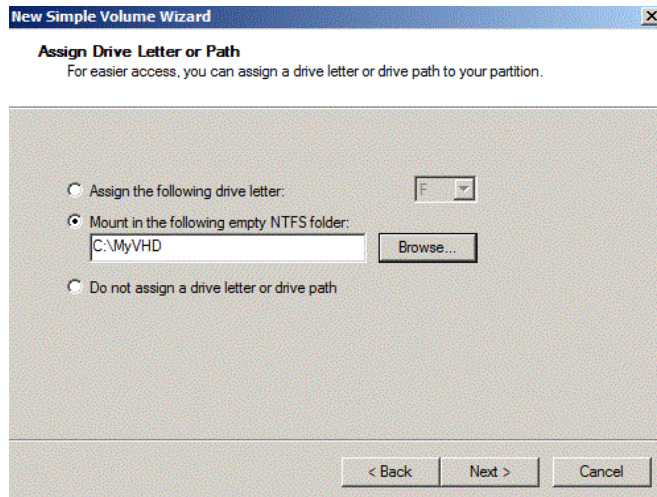


8. In Disk Management, right-click the disk that was just created and select Initialize Disk. This disk has a blue icon with a red arrow  Disk 2. The number after Disk is a sequential number. If you only have a single disk, your disk number would be 1. Numbering begins with 0, which is typically the system drive.
9. The Initialize Disk screen should be displayed with your disk selected as well as the MBR option (see below). Click OK.

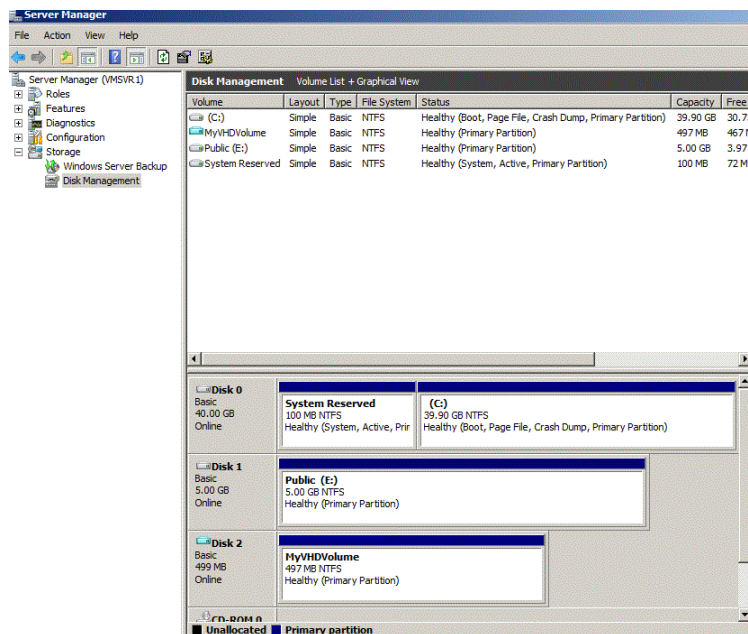


10. After the disk has finished initializing, note the disk has changed from Unknown to Basic.
11. Right-click on the unallocated space and select New Simple Volume...
12. Click Next at the New Simple Volume Wizard screen.
13. Use the entire drive size for the new volume and click Next.
14. Select Mount in the following empty NTFS folder:

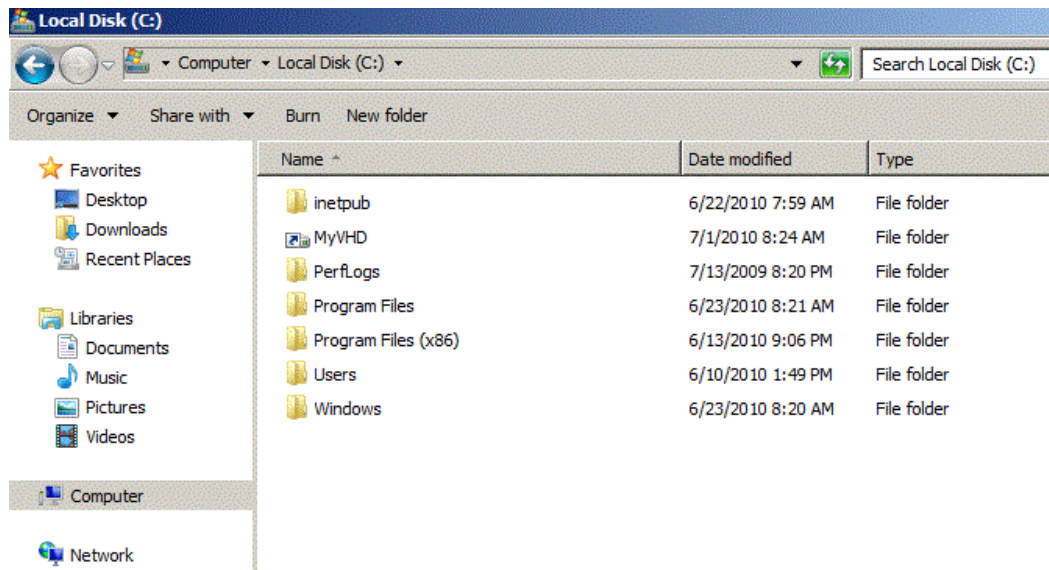
15. Click Browse and select your system drive (c:) and click the New Folder button.
16. Name the new folder **MyVHD** and click OK (see below). Click OK and then Next.



17. Perform a quick format of the partition with the following settings:
 - a. File system: NTFS
 - b. Allocation Unit Size: Default
 - c. Volume label: MyVHDVolume
18. Click Next.
19. Click Finish at the confirmation screen.
20. Your Disk Management screen should look similar to the following:



21. Verify that the new mount point is created by clicking on Start→Computer→Double-click Local Disk (C:). There should be a folder at the root of the system drive named MyVhd (see below).



22. Upon completion, have your instructor verify.