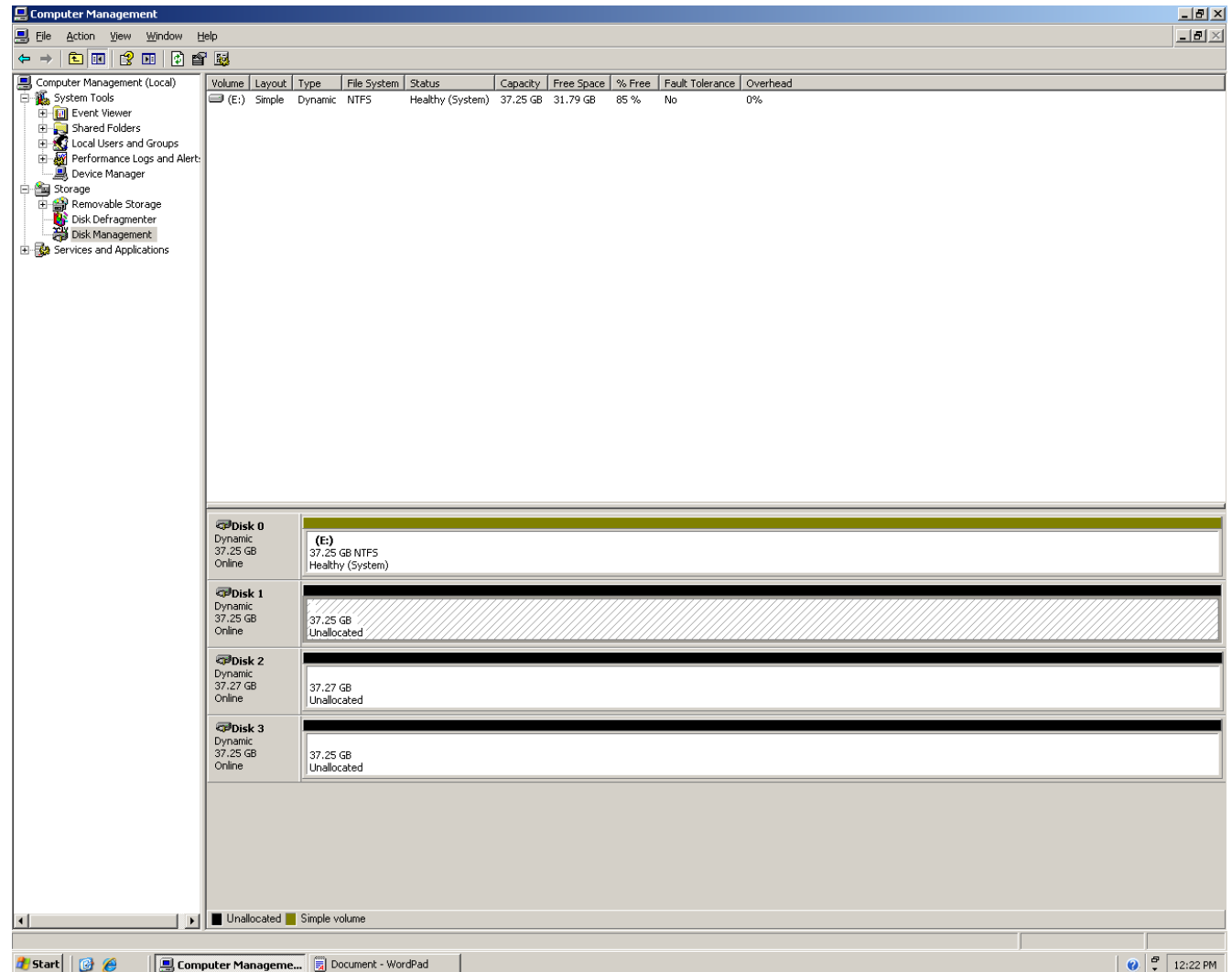


Creating a RAID 5 Server with Windows Server 2003

December 7, 2010

Computer Management Window

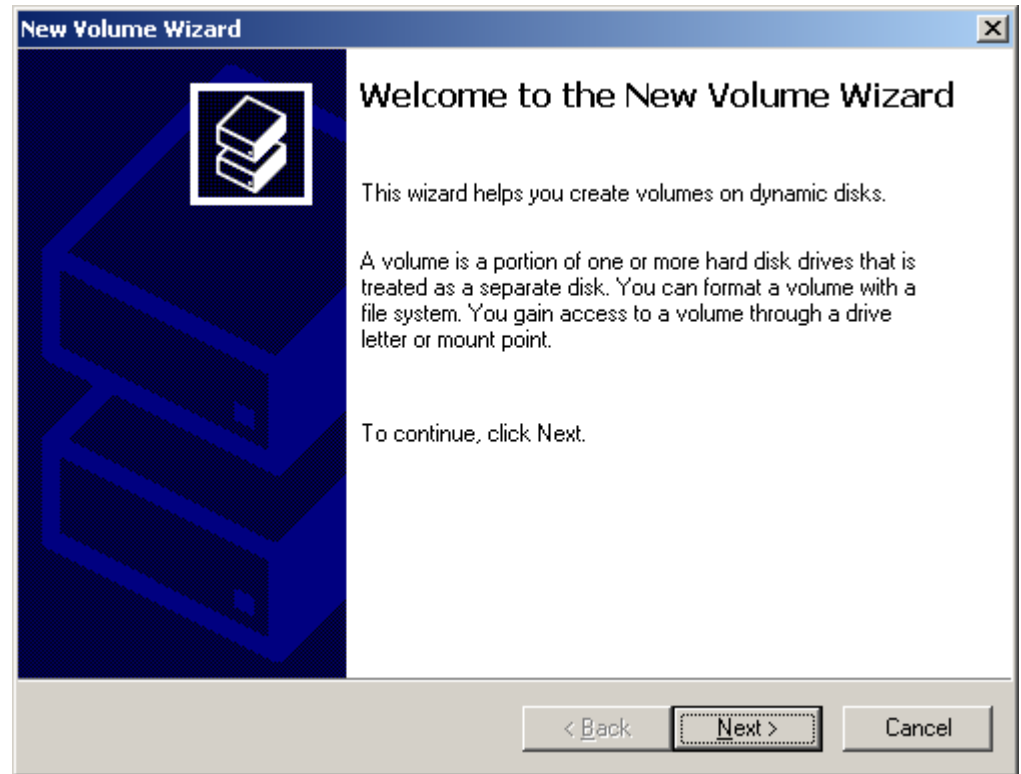
In the Windows 2003 Server, we open the Computer Management window. We have Disk 0 as the System drive. Disk 1, 2 and 3 are the three required drives for the RAID 5 volume. Each disk was made into a dynamic drive.



New Volume Wizard

Right click on Drive 1 and select the New Volume Wizard. The first dialogue box welcomes us to the New Volume Wizard.

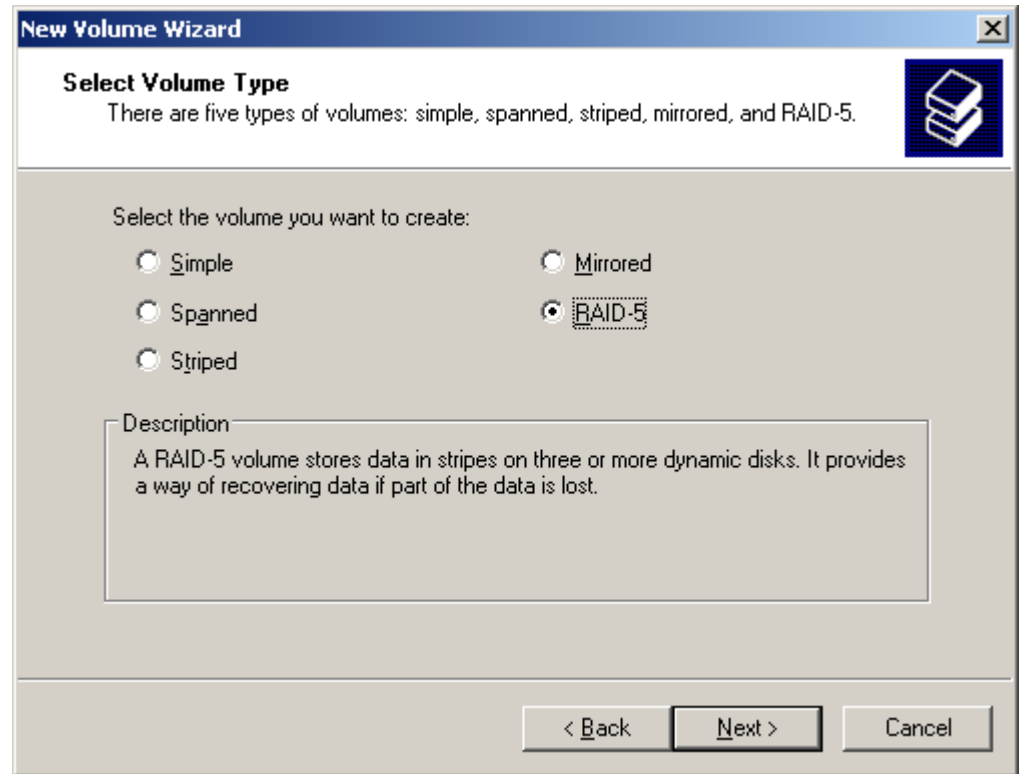
We choose the Next button to setup the volume.



Select Volume Type

In past exercises, we made RAID 1 (mirrored) servers, where we used a second hard drive to match the initial drive in the server. In this challenge, we will make a RAID 5 volume to backup files in our office.

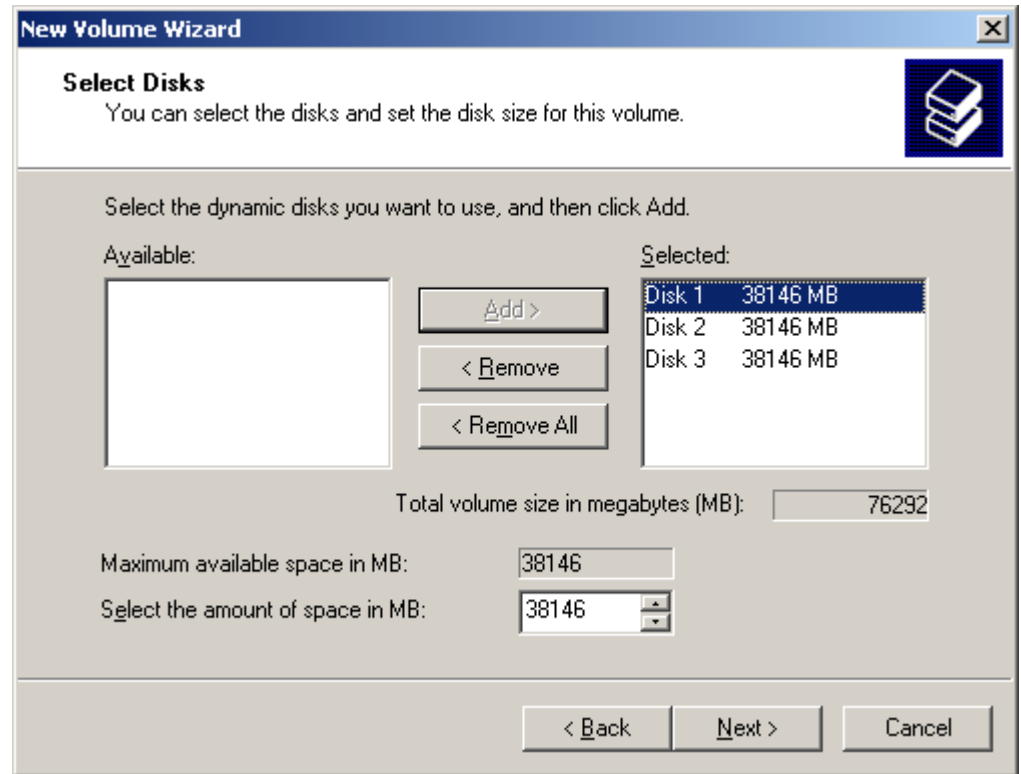
After selecting the RAID 5 option, we press the Next button to continue.



Select the Disks

Three drives, disks 1, 2 and 3 are available, and we will highlight and add them to the selected drive list. After moving all three drives to the right. We can see the total volume size in the textbox.

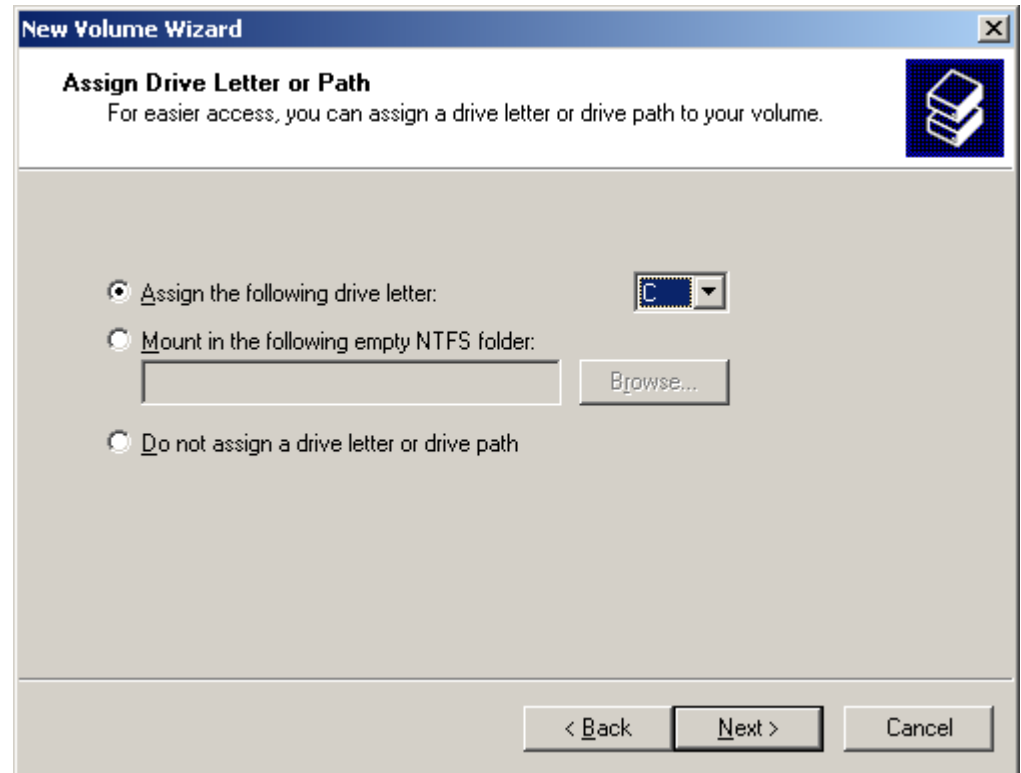
We will then depress the Next button to advance.



Assign a Drive Letter to the Volume

We already have a System drive with the letter E assigned. We will choose the letter C for our RAID 5 volume.

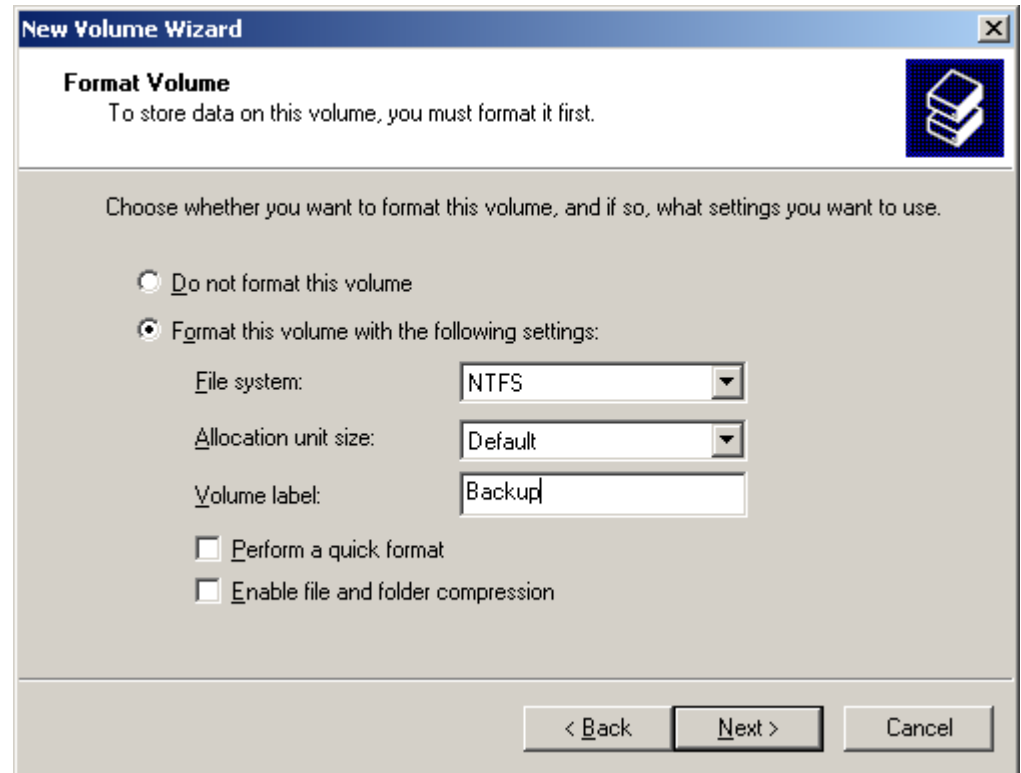
We will push the Next button to carry on.



Format the Volume

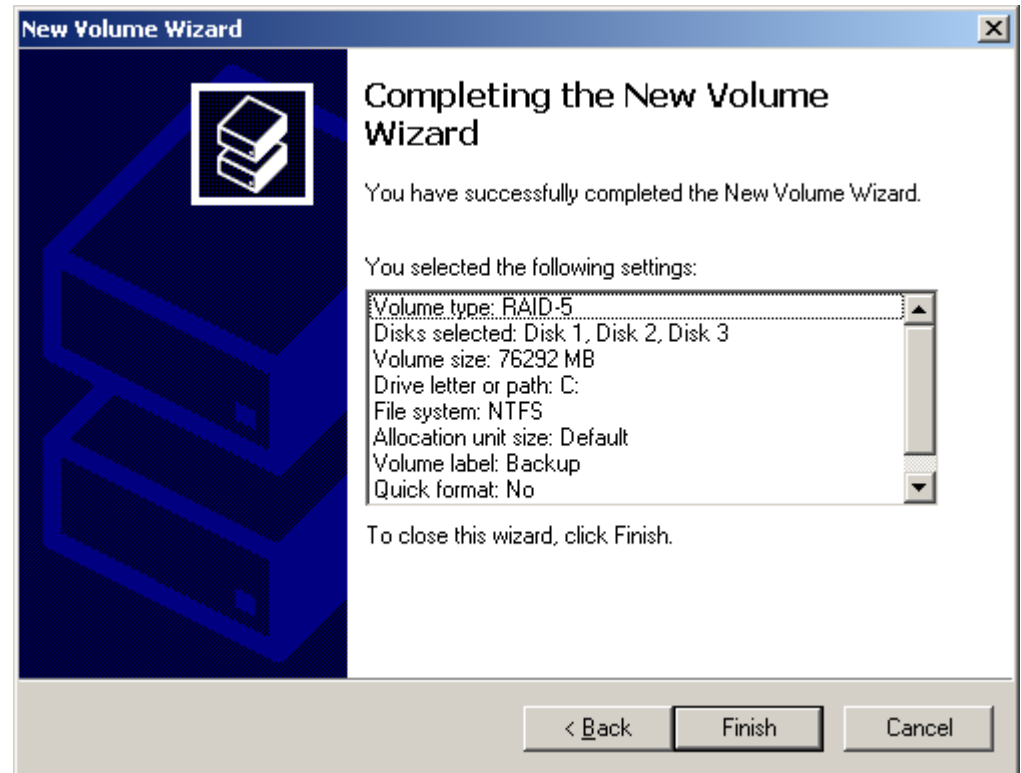
We will format the volume with the NTFS file system. We will default to the allocation unit size and we will name the volume label as “backup”.

To go on, we will pick the Next button.



Complete the New Volume Wizard

We are now complete with the New Volume Wizard, so we need to press the Finish button. However, we have the opportunity to review the summary and return to a previous window to make any changes using the Back button.



Formatting the RAID 5 Volume

The three drives, Disk 1, 2 and 3 are now in a RAID 5 volume. After the formatting is complete, we can start to place our organization's files on the server and know that there is a safe and fast backup being done. We will backup this server to another machine for an external backup.

