



# Using Infotrend EonStor FC-host Storage with IBM AIX v6.1 Application Note

## ***Abstract***

This application note explains the basic configuration steps of using Infotrend EonStor FC-host storage systems with IBM AIX v6.1 to realize a data center delivering maximized ROI, simplified management, optimized performance and operational resilience.

For MPIO support on AIX, users must add Veritas DMP to their OS by purchasing Veritas Storage Foundation software from their server vendor.



## Using EonStor Storage Systems in IBM AIX v6.1

### Environments

The EonStor family is Infortrend's first branded storage product line. The numerous EonStor installations around the world have helped numberless users achieve business success in different industries. The widely-proven advantages of EonStor arrays include exceptional throughput power, availability, scalability, management easiness and cost-efficiency. EonStor FC-host storage systems have now been proven compatible with IBM's enterprise-class operating system, IBM AIX v6.1. IBM AIX v6.1 is the latest generation of IBM's open standards-based UNIX operating system, providing advanced features on virtualization, security, availability and manageability. Using high-quality EonStor storage systems in an IBM AIX v6.1 environment can help users better increase the value IT contributes with reduced TCO. Below are the example configuration steps of using Veritas Enterprise Administrator (VEA) to make the storage space on EonStor systems available to an IBM server installed with IBM AIX v6.1

#### Example Configuration Steps

##### ***Step 1. Create a Logical Drive (LD) on EonStor Storage and Map it to the IBM Server***

LD creation and LUN mapping on EonStor storage can be done in various ways, including SANWatch management suite, terminal via RS-232C, LCD keypad panel and etc. For configuration details, please refer to your SANWatch User's Manual or Firmware Operation Manual.

**Note:** SANWatch management suite can NOT be installed in an IBM AIX environment. For the system requirements of SANWatch management host, please refer to the System Requirements section in your SANWatch User's Manual.

##### ***Step 2. Launch Veritas Enterprise Administrator (VEA)***

If you are using a Windows client, you can start VEA from Start → Programs → VERITAS Enterprise Administrator → VERITAS Enterprise Administrator Console.

If you are using a UNIX client or the IBM server, you can start VEA with the following command:

```
#/opt/VRTSob/bin/vea&
```

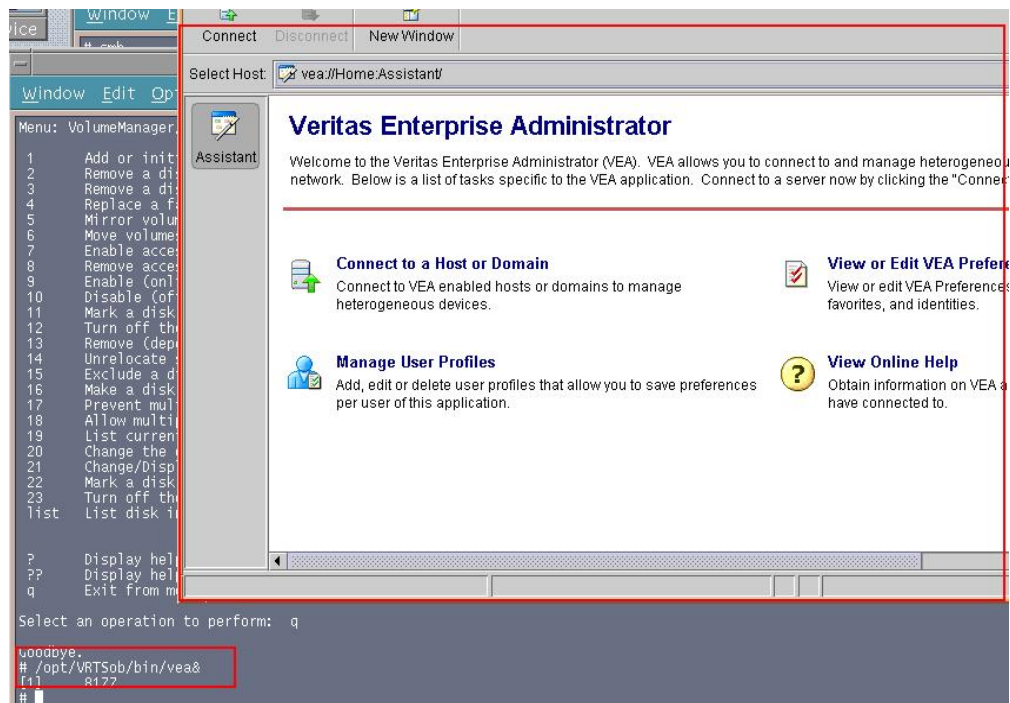


Figure 1. Launch VEA

### Step 3. Connect to a VEA Host

Click *Connect to a Host or Domain* in the VEA home page. If you are doing the management on a client, enter the IP of the server to be administered as the host name. If you are doing the management on the IBM server, enter *localhost* as the host name. Then click the *Connect* button.



Figure 2. Enter the Host Name and Select the Connection Method

Enter *root* as the username and your pre-set password for the server to be administered. Then click *OK*.

Username:

Password:

@ Domain:

Save password

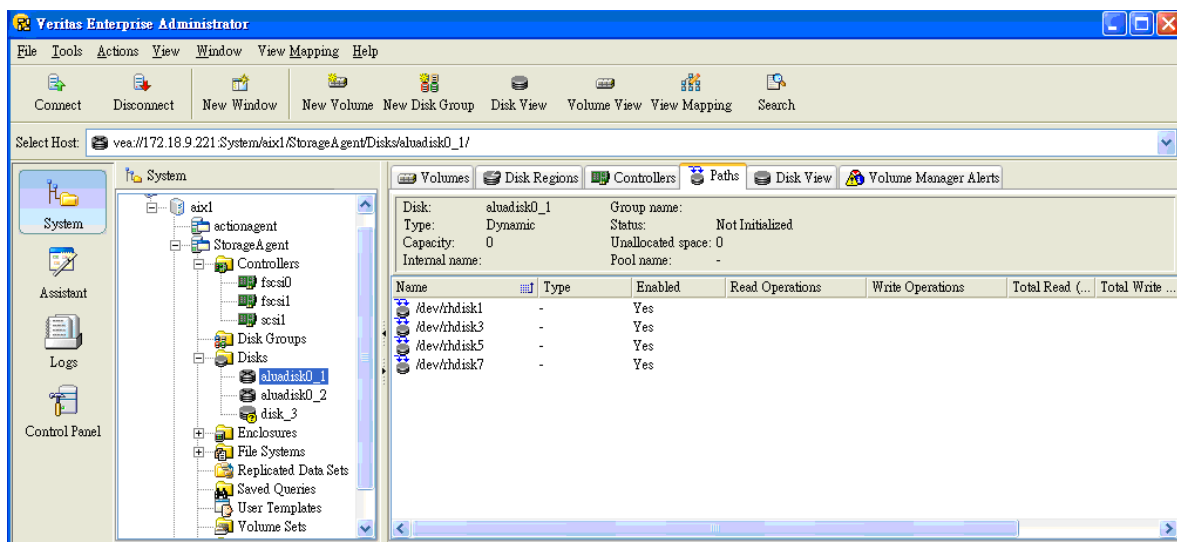
Set this as the default user account for this profile

**Figure 3. Enter Username and Password**

The connection will be successfully established.

#### **Step 4. Make Sure the Mapped LD Is Correctly Detected**

In the left pane, you should be able to see the newly-created disk. Click the disk and select the *Path* tab from the right pane to ensure all connected paths are correctly recognized.



**Figure 4. Disk in the System View**

#### **Step 5. Create a New Disk Group**

In the left pane, select the newly-created disk and right click it. Then select *New Disk Group* from the menu.

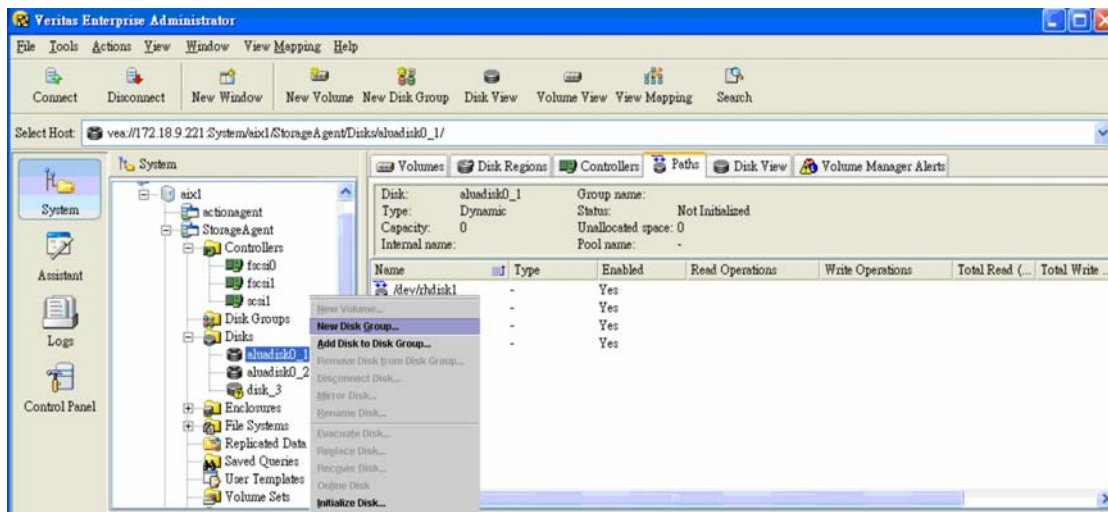


Figure 5. Create a New Disk Group – 1

In the New Disk Group Wizard, enter group name, select *Enable Cross-platform Data Sharing (CDS)*, and use the *Add >* button to move all the disks you want to include in the disk group from the *Available disks* column to the *Selected disks* column. Then click *Next*. A new disk group will show in the left pane.

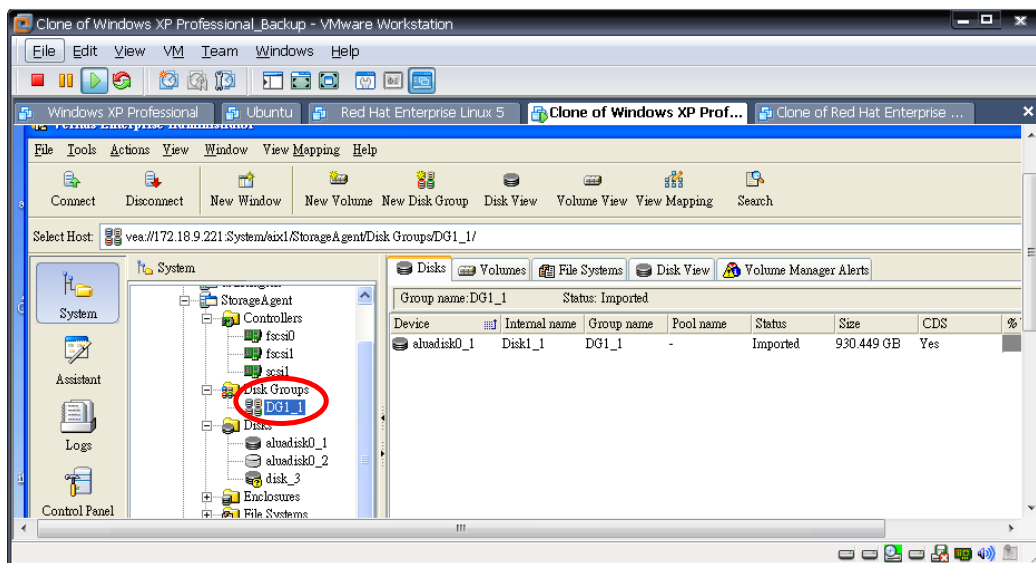


Figure 6. Create a New Disk Group – 2

### Step 6. Create a New Volume

Select the newly-created disk group and right click it. Then select *New Volume* from the menu.

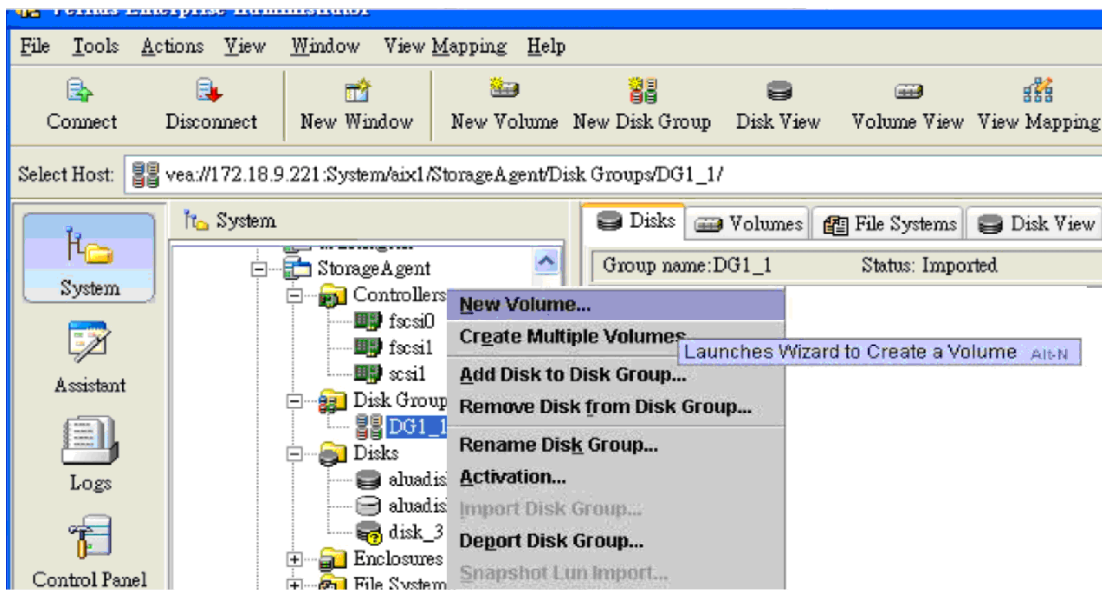


Figure 7. Create a New Volume – 1

In the New Volume Wizard, choose the method by which disks are selected for the volume.

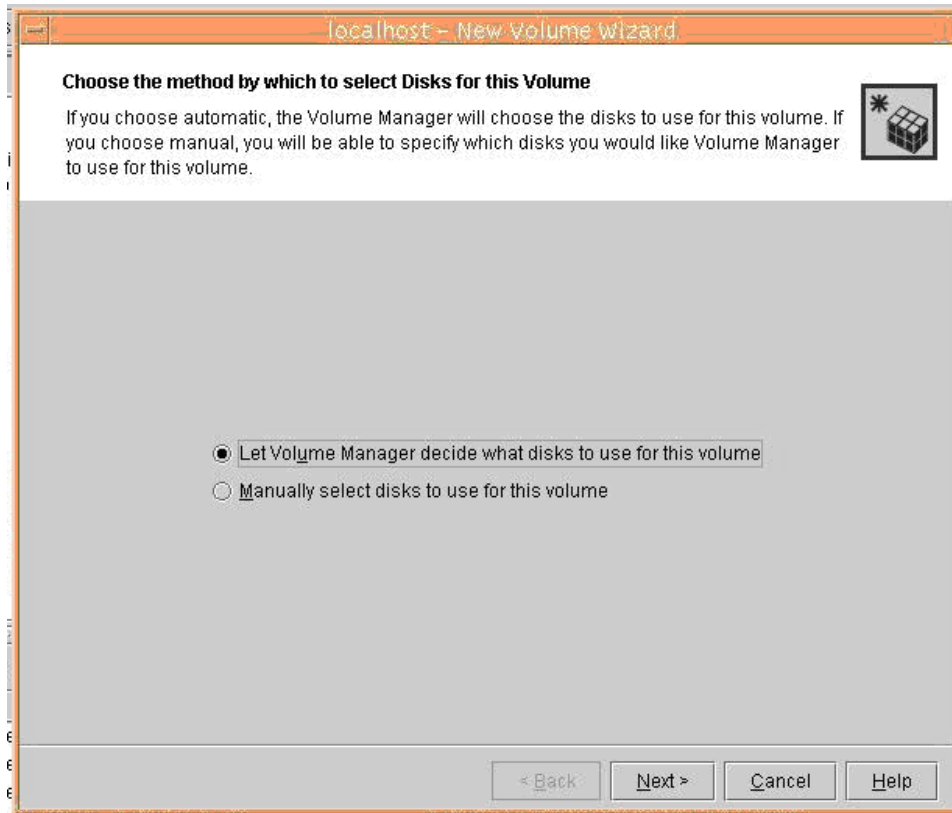
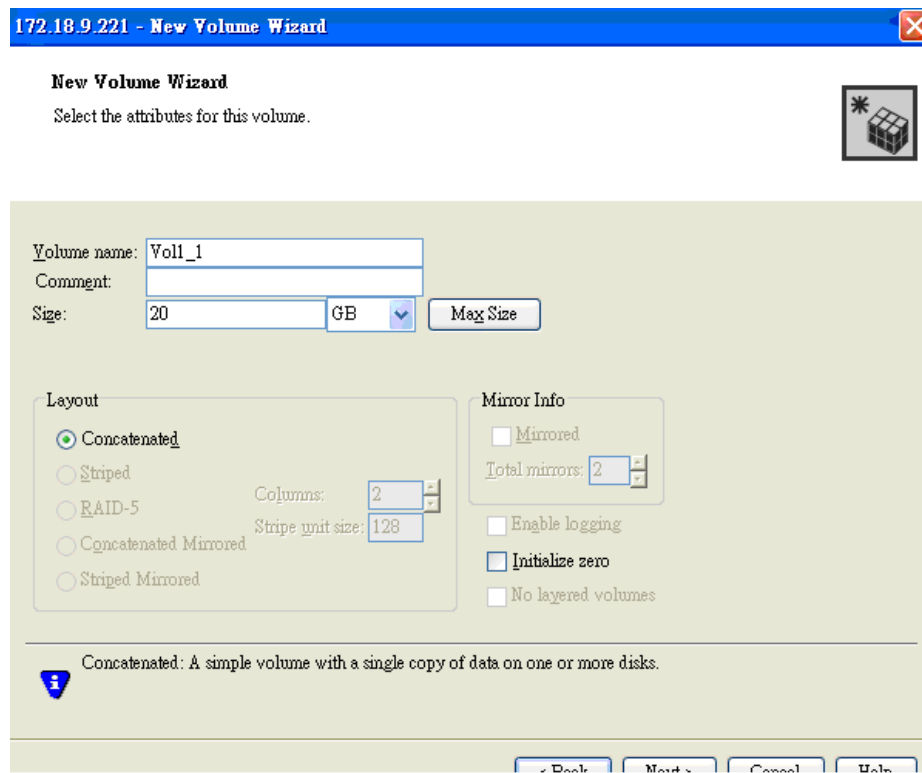


Figure 8. Create a New Volume – 2



Enter volume name and specify volume size. Then click *Next*.



**Figure 9.** Create a New Volume – 3

Select file system and set mount point for the volume. Then click *Next*.

**Note:** The mount point should be an empty directory.

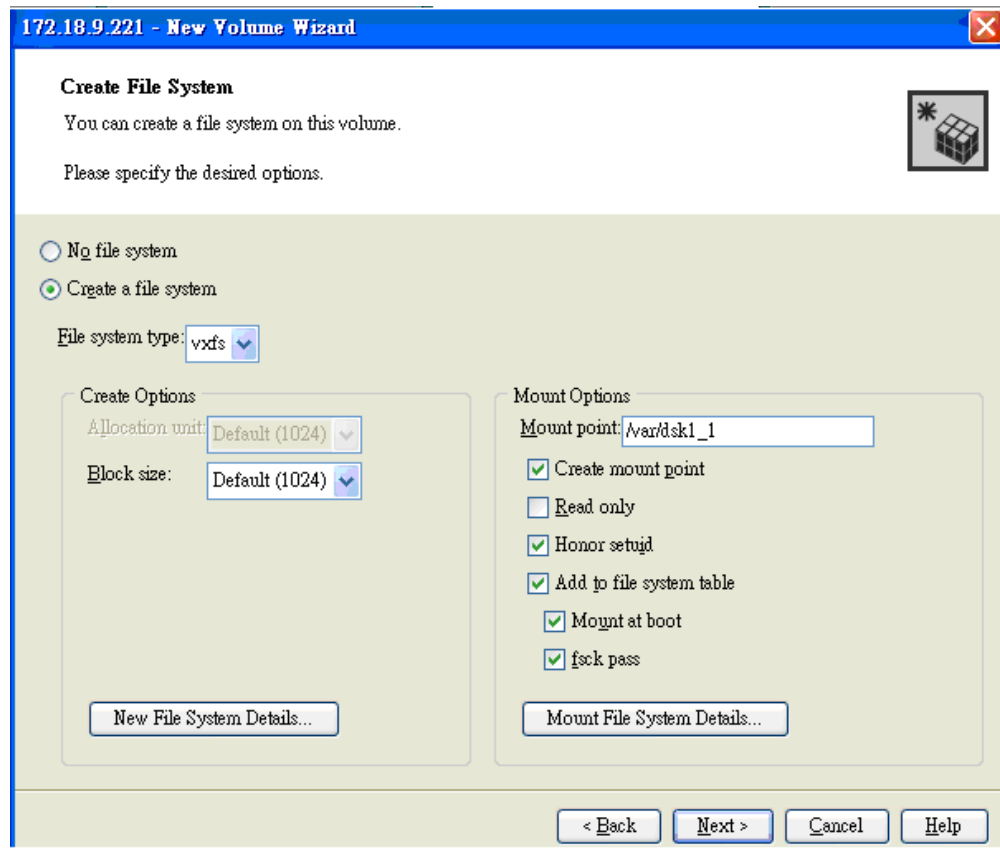


Figure 10. Create a New Volume – 4

After finishing the creation process, you can see the volume by clicking its mount point under *File Systems* in the left panel.

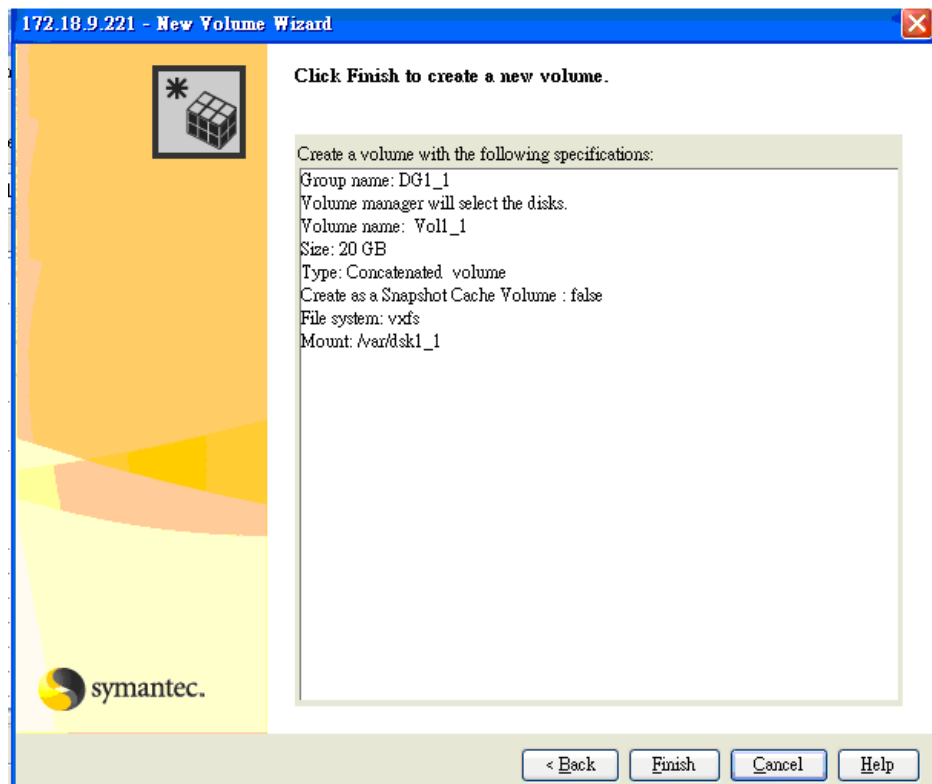


Figure 11. Create a New Volume – 5

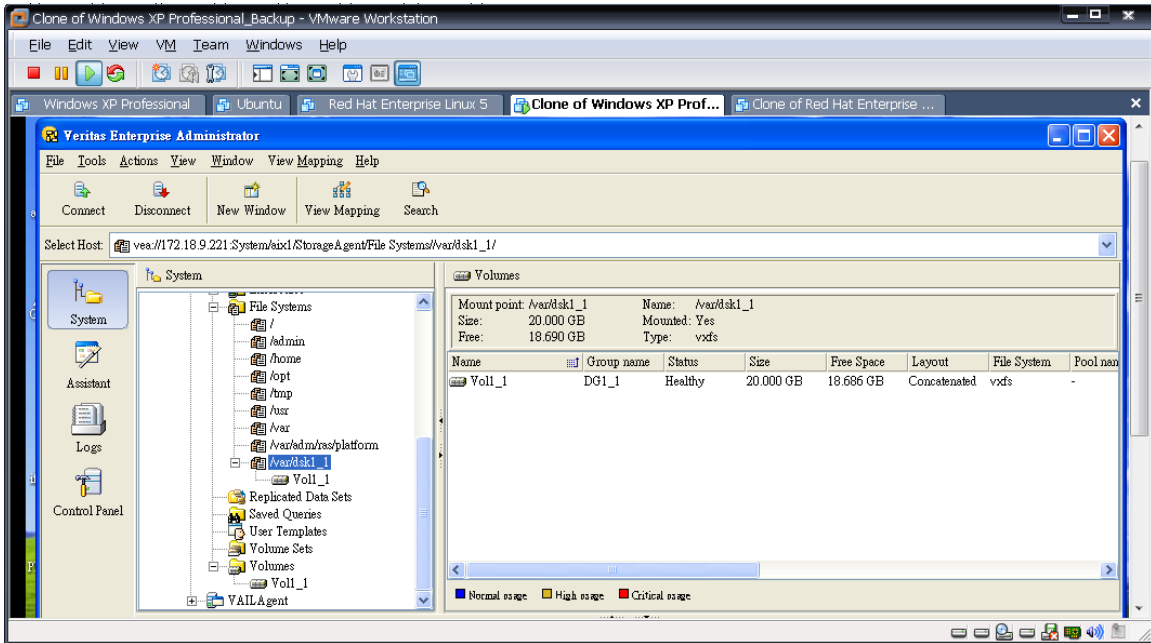


Figure 12. Create a New Volume – 6

Now the storage space on EonStor storage systems are available for your IBM server

