

Configuring StorTrends® iTX Volumes with VMware® Infrastructure Client



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Overview

This document details the steps involved in the process of creating a NAS Volume on a StorTrends storage appliance and configuring this volume as a datastore on VMware Infrastructure Client.

For the purposes of this document, VMware® ESX Server™ 3.5i was used, and the server was accessed using the VMware Infrastructure Client. This document also contains instructions on how to create a 1 TB NAS Volume over a RAID 5 array on the StorTrends storage appliance.

Getting Started

Begin by accessing the web interface of the StorTrends storage appliance, ManageTrends™. ManageTrends presents a login screen requesting username and password. The default access to the interface is:

Username: itxadmin

Password: password



Figure 1: ManageTrends Login Screen

Having logged in, configure the email alerts, or choose to skip it and configure it later. Next, click on **Enclosure**, on the left hand panel, to begin creating an array.

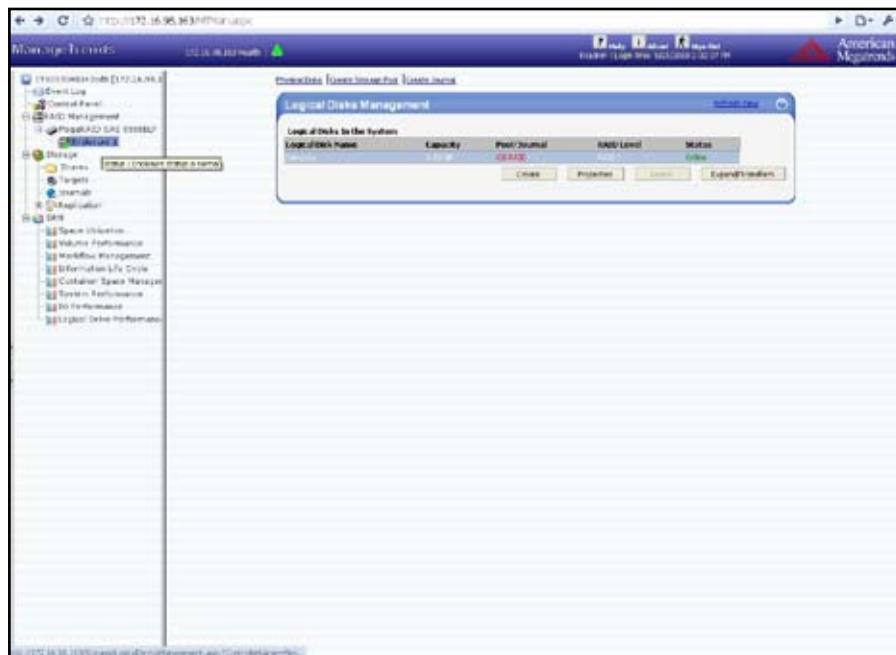


Figure 2: ManageTrends Enclosure Management Screen

Hit **Create**. Here, select all disks and choose a RAID 5 array. Note that the Force Write Back cache setting has been selected as there is no UPS connected to this system.

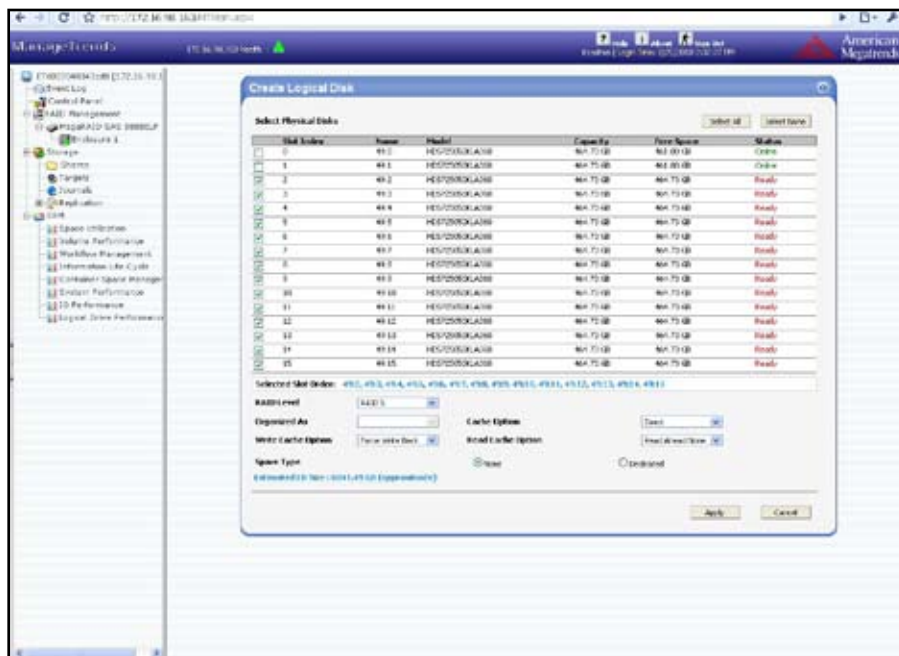


Figure 3: ManageTrends Create Logical Disk Screen

Hit **Apply** to create a RAID-5 array using 14 drives.

Use the Storage Wizard to Create a Container

Next click on **Storage** on the left-hand panel and start the Advanced Storage Configuration Wizard.

The first order of business is to create a container which can hold multiple volumes per array. A container can span multiple arrays. In this example we will use the array created previously. We will call the container **c0** in this example.

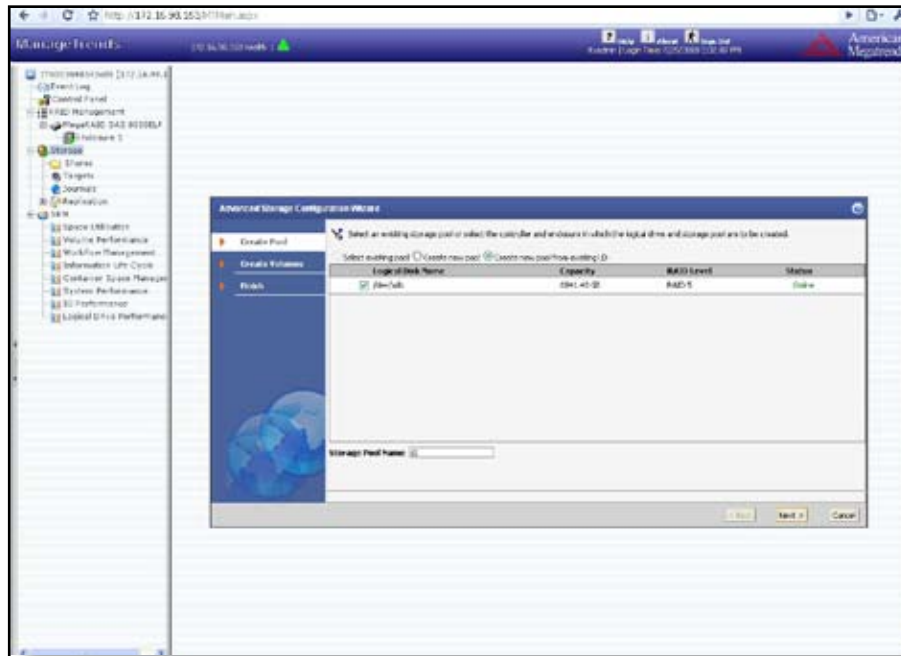


Figure 4: ManageTrends Advanced Storage Configuration Wizard Screen (1)

Click **Next**. The next task is to create a 1 TB NAS Volume called **nasvol0**. An exact provisioned volume has been selected here. A share called **s0** will also be created, and the share will be a CIFS and NFS share. Click on **Add to List**.

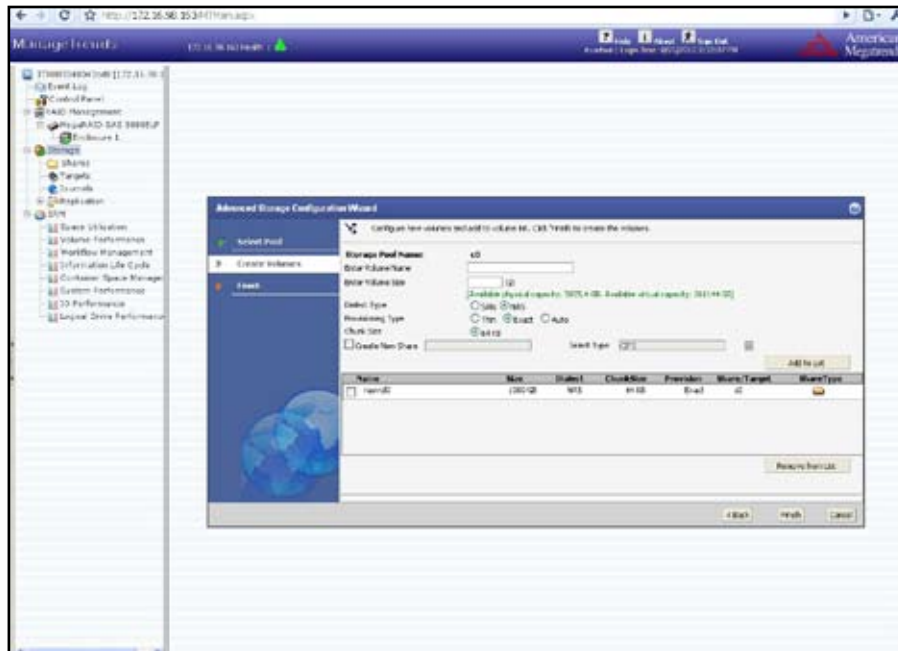


Figure 5: ManageTrends Advanced Storage Configuration Wizard Screen (2)

You have just created a NAS volume. Its details can be viewed by clicking on its name in the left-hand panel.

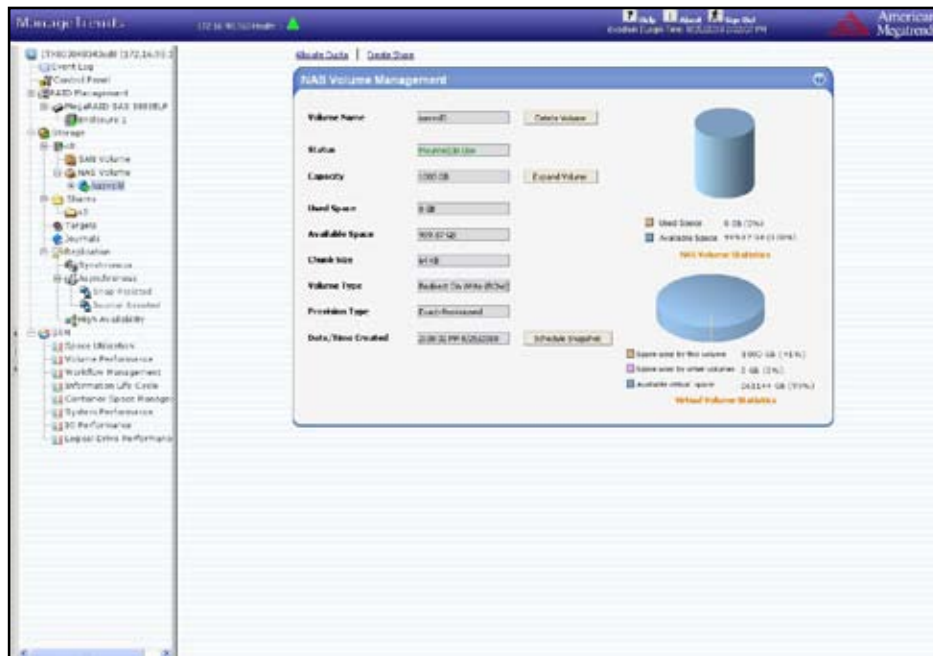


Figure 6: ManageTrends NAS Volume Management Screen

Now, log into the VMware ESX Server using the Infrastructure Client.

In the Configuration Panel navigate to the **Storage** pane and start the **Add Storage** wizard. Choose **Network File System**.

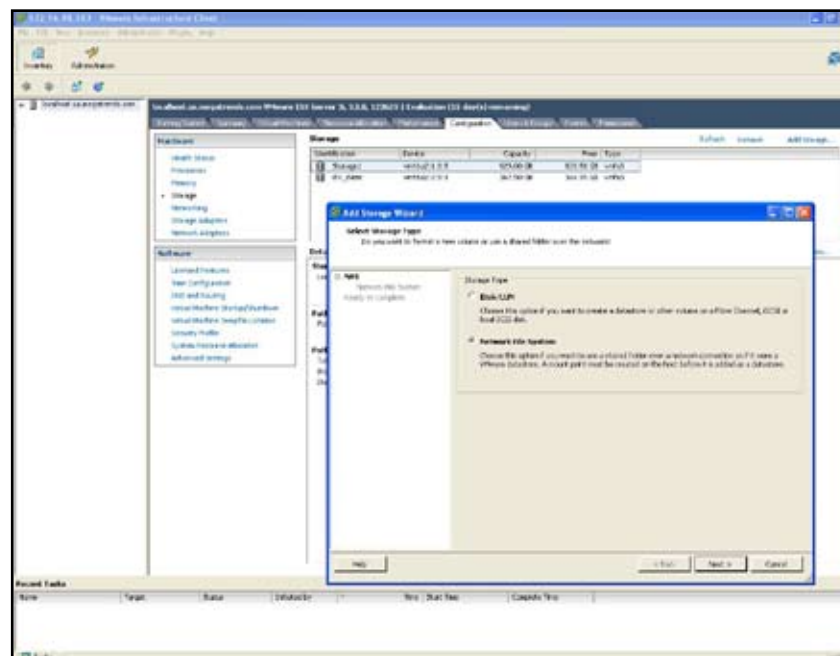


Figure 7: VMware ESX Server Add Storage Wizard (1)

Add the server address and the path (/Access.Share/<share name>) which in this case is **/Access.Share/s0**

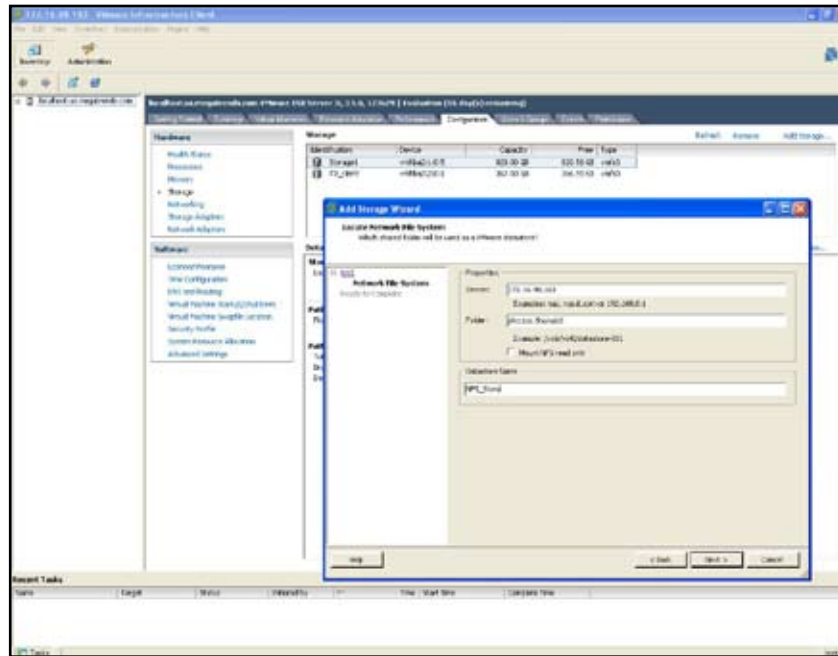


Figure 8: VMware ESX Server Add Storage Wizard (2)

Complete the wizard. A StorTrends iTX NAS volume has been added as a VMware datastore.

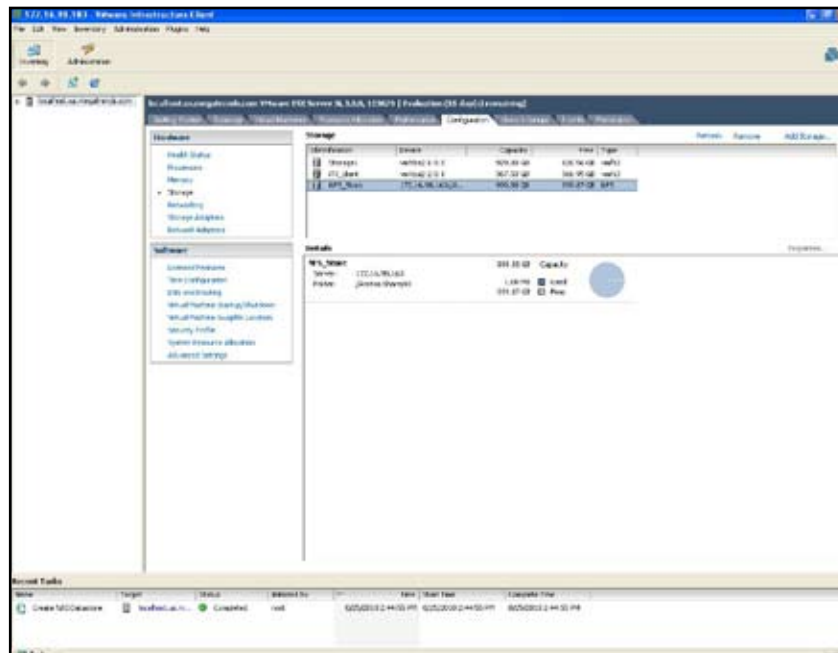


Figure 9: VMware Infrastructure Client

Conclusion

This document has outlined the simple process of the steps to create a NAS Volume on a StorTrends storage appliance and configuring this volume as a datastore on VMware Infrastructure Client.. Thanks to the simplicity of ManageTrends and its Advanced Storage Configuration Wizard, this process can be safely carried out with a minimum of time and effort.

If you would like to learn more about VMware integration and compatibility in StorTrends iTX, please contact your StorTrends Sales Representative for additional information and assistance.

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