



Storage Management Software

Special points of interest:

- InveStore Now Compatible with NetBackup Fall 2002
- MSDN Developer Management Tool
- President's Desk
- Tech Tips: Integrating with NetBackup Storage Migrator
- New Hardware Support

Volume 3, Issue 2

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PEGASUS DISK TECHNOLOGIES, INC.
The Pegasus Flyer

Pegasus Provides Solution for Microsoft Developers

MSDN subscribers may be faced with the task of managing their developer tool kit. This developer tool kit can include more than 400 discs if all of the contents are needed in many languages. Even a "light" package containing several language versions can span more than 100 CDs; still a fair number to manually track.

Pegasus and PowerFile teamed together to provide a reliable means to manage all those discs seamlessly under Microsoft Windows NT®, Windows® 2000 and Windows XP. The InveStore® software helps manage vital corporate assets such as the MSDN development tools on CD and DVD storage libraries or jukeboxes. PowerFile's CD/DVD jukebox provides a safe haven for not only storing the MSDN discs, but provides licensed developers with an easy way to access any of the discs over the network simply by selecting the appropriate disc or file listed in the InveStore library.

Together, InveStore and PowerFile provide a near-line asset management solution for developers to increase productivity, improved workflow processes, and provides a rapid return on investment.



New Hardware Support

With the addition of DVD-RAM functionality, Pegasus is pleased to announce upcoming support for a host of new hardware with version 4.1.

JVC

The MC-8000U Series Library is designed to meet the demands for a flexible and high-capacity data storage solution. Compatible with a variety of removable media, the MC-8000U Series is ideal for archiving everything from text-based documents to CAD data, high resolution images and digital audio/video files.

Plasmon

The Plasmon D series is an affordable low-cost, nearline, rewritable storage device appropriate for back-up and archive applications in healthcare, engineering, financial, legal, digital pre-press environments.

PowerFile

The R200 Enterprise will enable you to write data on 4.6 GB DVD-RAM discs, and with a capacity of 200 discs, that's almost a terabyte of data! And that data will be secure on optical media - you no longer have to worry about hard disc crashes, mechanical problems, or other forces that can and do affect hard drives and other magnetic storage devices. Access to your data is significantly faster than any tape system.



From the President's Desk...

by Roy Slicker

Pegasus is very pleased to have connectivity to VERITAS NetBackup Storage Migrator™, but what does this mean to you as a Pegasus customer or partner?

There are three key areas for Pegasus customers and partners to take advantage of this additional product compatibility.

1. Storage Migrator is a very robust HSM product, perhaps the most robust product on the market. For Pegasus customers that do not currently have HSM or file migration functionality built into their application, this compatibility provides turn-key third party support for HSM. The benefit of HSM is the ability to provide automated data migration from primary to secondary storage devices. Now, with the inclusion of Pegasus, Storage Migrator will support virtually all storage devices including RAID, tape and optical.

2. Storage Migrator is also available for Email archiving applications. The product is NetBackup Storage Migrator for Exchange Server. This is an email specific HSM application providing support for fixed content migration from primary to secondary storage.
3. Storage Migrator has built-in file replication for disaster recovery. This function provides for 2 data sets to be managed simultaneously, in separate locations, serving as the highest form of data retention in the event of a disaster. In the event of a library failing for whatever reason, the 2nd library would become the primary database and the system goes on uninterrupted. This is ideal for high availability applications such as financial and government applications.

We look forward to bringing our partners additional business opportunities, so please stay tuned. Should you have any questions regarding partner support or functionality, please send us a note at sales@pegasus-ofs.com and a sales representative will contact you for an informal discussion of your needs.

Opportunity for
InveStore
Resellers!

Tech Tips: Integrating Storage Migrator and InveStore v4 together

by Steve Heyer

Part 1: Integrating NetBackup Storage Migrator & InveStore v4 together

With the addition of support for the Veritas NetBackup Storage Migrator system within the InveStore v4 product line, questions have arisen on what is the proper method to setup and configure the system.

The following are the steps necessary to properly complete the setup of your server system that is using the Veritas NetBackup Storage Migrator with InveStore v4 as the backend storage target.

Install InveStore v4

- Install InveStore v4 per normal installation instructions found in the Quick Start manual.
- Make sure you have formatted your required Volume Sets as needed, assign the drive letter (e.g. "O") to access In-

veStore through, and executed basic Write and Read testing verifying the functionality of the InveStore sub-system.

- Once this has completed, close out the InveStore v4 MMC console by selecting the *Console* menu in the upper left corner and then *Exit*.

Note: The InveStore v4 sub-system will still be operational.

Create Network Share

- On your Windows server, open *My Computer* and right-click on the attached drive letter displayed for the InveStore shared resource (E.g. "O").
- Select *Sharing* and create a share name for this resource. (E.g. "InveStorev4")

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Tech Tip: Continued...

MMC Snap-In

Note: this assumes that you have already installed Veritas Storage Migrator per the documented procedures for that program.

- From the Windows *Start* menu, select *Run*. Type in the line *MMC* and select *OK*. A standard MMC *Console1* screen will be displayed.
- Select the *Console* menu and then *Add/Remove Snap-in*.
- From the *Add/Remove Snap-in* screen, select the *Add* button in the lower left of the screen.
- Locate and hi-light the *InveStore Enterprise GUI* snap-in, and then press the *Add* button below.
- From the same screen locate and hi-light the *Storage Migrator* snap-in and press the *Add* button below.
- Close this *Add* screen. You will now see both the InveStore and the Storage Migrator snap-ins showing in the primary *Add/Remove Snap-in* screen.
- Select *OK* to start both MMC systems.
- A new *Console1* is displayed showing the nodes of both programs in that tree.

Creating a Hard Drive Media Agent:

- Expand the *Agents* node and then *Media Agents* to reveal agents recognized by the VSM server.
- Right-click *Media Sets* and choose *Add Hard Drive Media Set*.
- Follow the prompting of this wizard.
- Specify the full path for the shared InveStore resource using UNC naming conventions (E.g. `\\Servername\InveStorev4\Volset1\Data1`).
- Click *Ok*.
- On the *Add Shared Network Folders* screen, click *Next*.
- In the final summarizing wizard screen, select *Finish*.

Setting up the File Relocation Job:

- From the *Agents* node within the main console, select *File System Agents* and right click on the *Jobs* option.
- Select *New* and then *File Relocation Job*. This will open a wizard that will

step you through this process. Select *Next*.

- From the *Volume Management* screen, select *Manage selected volumes* and choose the desired source target of the data to be relocated in this job. Select *Next*.
- The *Data Store* screen provides you with the option of selecting the storage target. You will see listed in this screen a "*Hard Drive data store on...*" for the Network share you created earlier. Hi-light this and select *Next*.
- The next three screens provide you with the criteria options that Storage Manager will use to execute the migration. Make your selections for these screens based on your migration needs and then select *Next* to move to the next screen in the wizard.
- In the *Schedule for Relocating File Data* screen, choose *Run the job later manually* option for now. Select *Next*.
- Enter the name and description of the job in the *Job Name and Descriptions* screen. Select *Next*.
- Then select *Finish*.
- From the *All Jobs* node in the main MMC console you will see displayed your newly created job in the screen to the right.
- Right click on your newly created job and select *Properties* to display the various scheduling options. You may make changes to the automatic scheduling of this job from within this screen.

Note: You may create additional *Data Stores* and *Relocation Jobs* for separate data sets by repeating this same process again.

In Summary:

It is important to verify that both systems are independently functional, before executing the above procedure. This will allow for easier troubleshooting should there be any issues that arise during the course of your normal operations. In Part 2 of this article, I will cover how to integrate InveStore v4 and the Veritas NetBackup Enterprise.

For more information regarding VERITAS Storage Migrator go to: <http://www.pegasus-ofs.com/veritas.html>

How to
Configure
VERITAS
Storage Migrator
with InveStore



Storage Management Software

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PEGASUS DISK TECHNOLOGIES INC.

The Pegasus Flyer



SafeGuarded by
DVD
ARCHIVE

About the Flyer

We are always looking for suggestions on content, particularly product stories with our hardware and software partners. If you have ideas or suggestions about future content, want to be added to our circulation or would like hard copies of the newsletter for your customers, please send us an email at marketing@pegasus-ofs.com.

Up Coming Events

You can see Pegasus at the following Fall events:

COMDEX, with PowerFile in the DVD Pavilion
Las Vegas, NV 16-21 Nov

RSNA, Chicago, IL 1-5 Dec Hall-A booth 4277

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