



## ***Integrating Data Lifecycle Manager & InveStore v4 together***

**Note:** this document assumes that you have installed the Data Lifecycle Manager (DLM) Database, DLM Server, and agents that are needed for the DLM system. You will also have installed InveStore, created Volume Sets, assigned a drive letter, and setup the InveStore share to be used in the DLM archiving process.

### **General Information**

Veritas Data Lifecycle Manager (DLM) is designed to archive data based on archive and retention policies that you have setup within the DLM program. DLM Server is responsible for storing data to the various media sets that you have created.

InveStore is responsible for controlling the storage library, and for providing access to the storage resource via a drive letter on the storage server.

DLM archive policies let you control what data is eligible for archiving. Data is archived into **DATA STORES**, which are logical groups of media that contain archived data and obtain storage from media sets. A **MEDIA SET** is a physical pool of “like” media that provides storage to the data share.

InveStore allows DLM to archive the data to storage media via the shared drive letter assigned to the storage device on the local DLM Server. The InveStore controlled storage media becomes a media set for DLM.

The DLM **Administrative Interface** is a MMC snap-in used to remotely create, run, and schedule jobs.

### **Creating Media Sets**

**Note:** You must first create a share for the InveStore targeted volume set via the drive letter on the storage server.

- Expand the DLM Servers and name the DLM server that will contain the media set.
- Right-click **Media Sets** and choose **Add Hard Drive Media Set**. After reading the Welcome screen, click **Next**.
- On the **Hard Drive Media Set** screen, provide a name and description for the media set. Click **Next**.
- On the **Add Shared Network Folders** screen, click the **Add Share** button. If the InveStore shared resource is **NOT** attached to the local server, specify the full path for the shared InveStore resource using UNC naming:

**Example:** [\\Servername\InveStorev4\Volset1\Data1](#)).

If the InveStore shared resource is attached to the local server, add the target path to the assigned InveStore drive letter for the storage device, and the specific “folder” (Volume Set name) that you want to use in this backup operation.



**Example:** S:\VolSet1\Job1

**Note:** Make sure that the targeted Volume Set has sufficient free space to contain the data, as well as allowing for future maintenance.

- Click *Ok*.
- Back on the *Add Shared Network Folders*, click *Next*.
- The final wizard screen summarizes the configuration of the new media set. To confirm these settings click *Finish*.
- You may view the new media set in the Scope Pane of the Administration Interface. The full UNC name and/or path will show in the pane.

When the folder becomes full, DLM marks the share as Read-only. No more data will be archived to this media set. If more disk space is added to the folder, you can make the share Read-write.

## Creating a Data Store

- Right-click *Data Stores* and choose *New > Data Store*. The *New Data Store Wizard* launches. After reading the Welcome screen, click *Next*.

The *No Media Sets Available* message appears when archiving data to InveStore. Click *Cancel* and create the media set.

- On the *New Data Store* screen, you create a data store to hold the data from the agent.

The screen differs slightly depending on whether you launched the wizard from the **DLM Servers > server > Media Sets > Data Stores** node or from the **Data Stores** node.

- If you launched the wizard from the **Data Stores** node, you are prompted to select the media set you want to use for the new data store.

On the lower part of the screen, specify a name and description that will help you track the data store. Each piece of media is labeled with a name that begins with the data store name, so you may want to keep the name simple, and use the data store description field for more detailed information.

- If you launched the wizard from the **DLM Servers > server > Media Sets > Data Stores** node, you are prompted to provide a name for the data store. The wizard uses the media set from the node from which you started the wizard. Click *Next*.
- The final wizard screen summarizes the data store configuration. To confirm your settings and complete the wizard, click *Finish*. The final wizard screen summarizes the data store configuration. To confirm your settings, click *Finish*.



## Changing the number of threads used for writing to disk with DLM

Before using the DLM system with InveStore, for performance considerations with optical devices, we suggest that you reduce the thread count used to write data to the media sets. If this is not done, DLM sees the optical device as a hard drive and therefore will attempt to start multiple threads, slowing the system considerably. Our testing shows that the best performance using optical is achieved by reducing the number of possible threads to just one. Please do the following:

- Open SQL Server Enterprise Manager
- Select the Microsoft SQL Servers
- Select the *Server Group*
- Select <server name>
- Select *Databases*
- Select the *Remote Storage Database* and then *Tables*
- Find the *RSMediaType* table
- Right click on the *RSMediaType* and select *Open Table*, and return all rows
- The seventh field is the *ConcurrencyFactor*
- The default is set at **4**
- Highlight this field and change it to **1**
- Then select the red **!** in the tool bar.
- This saves the current value.