

Path to Cloud Quick Start Guide

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Quantum Product Name User's Guide 6-67753-02 Rev A February 2013

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Path to Cloud Quick Start Guide

	This document will lead you from installation, to archiving data to the cloud, to restoring data from the cloud. (For more information, go to http://www.quantum.com/ServiceandSupport/Index.aspx .) It is designed to give you a quick introduction to the product using default settings. From here you can further your understanding of the product by exploring and using context sensitive help. It assumes you have the setup program and necessary license keys. Also, the computer that you will install to and the computers you wish to back up should be in the same Windows domain and you should have a domain administrator account dedicated to running this software.
	Note: If you are familiar with the product and only want to learn about the new cloud support feature you can skip to step 5.
	For more information, see 6-67520-XX <i>DATASTOR Shield Quick Start Guide</i> for minimum system requirements and details on installing the product.
Step 1) Install the product	Log onto the computer where you are going to install the product (later referred to as the "Archive Manager server") using the dedicated domain administrator account. Open the setup program Quantum_DATASTOR_Shield_7.x.x.x.exe and follow the prompts to install the program.
	When the installation completes, the Archive Manager user interface (later referred to as the "UI") will start up. You will be prompted to add a license key, buy now online, or register for evaluation. Choose Add a License Key and then click Add on the License Keys page. Enter (or paste) your Manager key first and then click Activate Now on the Server Activation page. You should receive a popup message saying the software has been activated. Repeat the Add/ Activate steps for each of your keys. In order to complete the steps outlined in this guide, you should have a Manager key. If you want to archive data from a remote computer you will also need at least one Remote Server key and optionally one Remote Desktop key. Click on the OK button when you have finished entering license keys. Note: You can return to the License Keys page at any time by choosing the Edit License Keys action on the Archive Manager node of the tree view (top node in the left-hand pane of the UI).
	After clicking OK on the license keys page the program will start its services and check for program updates. You will be notified if any updates are available.
Step 2) Schedule the Checkup Report	It is important to set up a schedule for the Checkup Report. Setup is accessed by selecting the Properties option under the Archive Manager.



Enter the email address the report should be sent to.

Enter the email address of the sender.

Enter the Host email server's name.

Then select Modify schedule...

Archive Manager (Local) Properties
Export Settings Checkup Report ViewStor Settings
Specify the settings for generating a report of the store and protection plan status for the past 24 hours.
Settings
Schedule: Every 12 hour(s) from 6:00 PM for 762 minutes every day, starting 12/3/2012 Modify schedule
Create an HTML report file
Send the report as an Email
То:
Sender:
Host: Port:
Sender Pasquierd (entionally
OK Cancel Apply

Schedule the task.

Task Schedule Settings Every 12 hour(s) from 6:00 PM for 762 minutes every day, starting 12/3/2012
Schedule Task: Start time: Daily Daily Weekly Monthly Dnce At System Startup At System Startup At Cogon When idle Show multiple schedules.
DK Cancel

CheckupTask - LSVNDX1
Task Schedule Settings
Every 12 hour(s) from 6:00 PM for 762 minutes every day, starting 12/3/2012
Schedule Task: Start time:
Daily 6:00 PM Advanced
Schedule Task Daily
Every 1 ay(s)
Show multiple schedules.
OK Cancel

The fields for Run: and Start in: will automatically populate after the schedule is setup.

CheckupTask - L	SVNDX1	? ×
Task Schedu	ıle Settings	
C:\wi	ndows\Tasks\CheckupTask - LSVNDX1.job	
Run:	DR Shield\Server\ArchivelQLaunch.exe" aiqcheck	up.exe
	Brows	e
Start in:	"C:\Program Files\Quantum\DATASTOR Shield\Se	erver"
Comments:		
Run as:	QUANTUM\pmurphy Set password.	
☐ Run only if ☑ Enabled (so	logged on cheduled task runs at specified time)	
	ОК С	ancel

Select additional settings that are appropriate for your installation.

CheckupTask - LS¥NDX1 ? 🗙					
Task Schedule Settings					
Scheduled Task Completed Delete the task if it is not scheduled to run again. Stop the task if it runs for: hour(s) Idle Time					
Only start the task if the computer has been idle for at least: minute(s) If the computer has not been idle that long, retry for up to:					
The computer has not been due that long, ready for up to:					
Power Management					
Don't start the task if the computer is running on batteries.					
🔲 Stop the task if battery mode begins.					
Wake the computer to run this task.					
OK Cancel					

Finally enter your administrator password to save the scheduled task.



Step 3) Schedule the Export Settings Task The **Archive Manager** system can automatically create restore points of its configuration files. Archives protected by Store Vaulting Tasks can also be recovered if the vault is available. This section shows how to save and restore the configuration files.

Usage Scenario

When setting up your Archive Manager computer, Quantum suggests that you schedule an **Export Settings Task** *to archive your settings to a folder location on a removable disk, such as an RDX, or to cloud storage.* This enables you to quickly and easily restore your system and data if your Archive Manager computer dies.

Schedule the Export Settings Task

To configure the system to save configuration settings, open the Archive Manager Properties page and choose the Export Settings tab.

This feature runs as a scheduled task, called "*ExportSettingsTask - computername>*." As with Store Tasks and Protection Plans, you can set a schedule for automatically running this task. You can also run the task manually from the Windows Task Scheduler.

To create a new task, select **Modify Schedule** and then click **New** on the **Schedule** tab to create the task.

The settings are exported into a compressed file, which you can use to restore them later. Quantum suggests that you save your settings either to a folder on a removable disk, such as an RDX, or, if you have set up a Cloud Account, to that account.

Choose where to save the export file, then specify a number of versions to keep. Oldest versions beyond the number to keep will be deleted. The export file name contains a timestamp indicating when the export was performed, and the computer name of the system that was exported, as follows:

<computer name>.<timestamp>.export.zip.

Note: When you save to a Cloud Account, the exported file will be saved to the default data center specified in the account's Properties page.

Step 4) Create a Store

A store is where your deduplicated data will reside after running a protection plan. Select either the Storage node or the All Stores node and then click its Add a Store action. Note: Actions for a highlighted node can be selected from three locations: right-clicking the node, the Actions pane (right-hand pane of the UI), or the Action drop-down from the menu bar

♥♥ 🏝 🖬	8 2 6	_				_
Archive Manager (Local)		Na	me	Act	tions	
Storage Storage		The	ere are no items to show	All	Stores	
All Vault All Vault All Store A	Add a Store		in this view.	6	Add a Store	
	View	•			View	
	Refresh			a	Refresh	
	Export List			B	Export List	
	Help			-		





Notice the 'caution' icon on the Remote Computer's node in the screenshots above. This is because no Remote Server/Desktop keys have been added. Clicking on the Remote Computer's node will prompt you for a license key, or you can highlight the Archive Manager node and choose its Add License Keys action.

Depending on your product version, stores can be on local disks, network drives, removable disks such as RDX, or in Windows folders. You can create as many stores as needed, at any time. The store location you choose should, as a rule of thumb, have as much free space as the data you will be protecting.

🛃 Add Store Wizard					
Add Store Wizard					
Disk Drive Removable Disk					
Select a Disk Drive Protect files to a local or removable disk.					
A N	ame	Туре	Total Size	Free Space	
🚢 2k8	r2 Standard (Local Disk	931 GB	552 GB	
👝 Syst	em (D:)	Local Disk	465 GB	21.4 GB	
👝 Loca	al Disk (E:)	Local Disk	232 GB	15.1 GB	
L.monterra				استحرجت متجمعه	

For now, choose Disk Drive and then select one from the list, then click Next to go to the Storage Name page.

On the Storage Name page, under Add new, give your store a meaningful name like MyTestData, and then click OK. (This guide assumes you called it MyTestData) The program must 'prepare' the store prior to use. Click the Prepare now button on the Prepare Store page. Click Next when the preparation is complete. Review the information on the Store Added page and then click the Finish button.



Your new store should appear under the Storage/All Stores node when the All Stores node is expanded (click the '+' to expand). Note: You may need to 'refresh' the view from one of the higher-up nodes. Expand MyTestData and then Archives. Notice there are no archives in the Archives node. We'll get to this later.

Step 5) Create a Protection Plan

A Protection Plan is what archives your data. It runs as a Windows Scheduled Task and contains information like what data to archive and which store to archive it to. Protection plans can be Local Protection Plans which protect data from the Archive Manager server and, if you have added one or more Remote Computers, there can be Remote Protection Plans to protect data from remote computers. Data protected by Remote Protection Plans is deduplicated on the remote computer before it is sent over the network to a store on the Archive Manager server. For this exercise we'll create a local protection plan.

Highlight the Local Plan's node by clicking on it. Notice that in the center pane of the UI it says to click Create Protection Plan to start protecting your data. Select the Create a Protection Plan action and then choose the type of data you would like to protect. For this example choose Files and Folders. The other types of plans are available based on the existence of the data type (i.e. is SQL installed on the computer?), the product version and installed license keys.





There may or may not be a Plan Configuration page. If there is, click Next to create a new configuration for this plan.

On the Enter Folders to Protect page click the Add button to open the Browse For Folder dialog.

👸 Add Files and Folders Protection Plan	×
Add Files and Folders Protection Plan	
Enter Folders to Protect	
Specify the folders to protect with this protection plan	
Folders	
Add Edit Remove	
	< Back Next > Cancel

Browse for folders you wish to protect with this protection plan. Highlight the folder you wish to protect, and then click OK.

		-
		-
		-
		-
		▁
	ОК	OK Car

Notice that when your folder selection is highlighted in the Enter Folders to Protect screen, you can Edit or Remove the selection. If you choose Edit you can further refine the selection by adding inclusion and exclusion rules. You can also click Add again to add more folders to protect. You can make these changes later by clicking the protection plan's Plan Settings action.

In this case, the folder TestData and all of its folders/files will be protected by the plan.

🗞 Add Files and Folders Protection Plan	×
Add Files and Folders Protection Plan	
Enter Folders to Protect	
Specify the folders to protect with this protection plan	
Folders	
C:\TestData\	
Add Edit Remove	
1 1	
	< Bac Next > Cancel

Click Next to continue to the Select a Destination screen. Here you will choose the Store where you want to keep your deduplicated data. Since we only created one store the choice is easy. Highlight the store and click Next.

Add Files and Folders P	rotection Plan			
3 Add Files and Fold	lers Protection Plan			
Select a Destinati	on			
Select from the list be	ow which destination yo	u would like t	o use for the protection plan.	
Name	Total Size	Free Space	Location	
Stores				
MyTestData	931 GB	552 GB	2k8 r2 Standard (C:)	
			< Back Next >	Cancel
			THEAT P	Curreer

On the Enter Plan Name screen give your plan a meaningful name. For this example we'll call it TestData. You can optionally give it a description. Click Next to continue to the Edit Schedule screen.

Add Files and Folders Protection Plan	
Add Files and Folders Protection Plan	
Enter Plan Name	
Specify the name for the protection plan	
TestData	
Specify a description for the protection plan (optional)	
This plan protects the C:\TestData folder and stores it to MyTes	tData.
This plan protects the excessional rolaer and stores it to myres	ebata.
1	
	< Back Next > Cancel

On the Edit Schedule screen you can configure a schedule for automatically running the Protection Plan. By default the plan will not have a schedule and will run as the currently-logged-on user. You can change who the plan runs as by clicking the Change User button and you can configure a schedule by changing the selected radio button. You can also make these changes later by clicking the plan's Edit Schedule action. Regardless of the schedule settings, you can run the plan at any time by clicking its Run action.

For this example let's just accept the defaults: no schedule and run as currently-logged-on user. Click Next to continue.

👸 Add Files and Folders Pro	tection Plan	X
👸 Add Files and Folde	s Protection Plan	
Edit Schedule		
Edit the schedule for the	protection plan.	
No Schedule	Run manually or edit the schedule later	
C Weekly		
O Monthly		
Security options -		
When running the t	ask, use the following user account:	
DOMAIN\BackupAcct	Change User	
<u>L</u>		
	< Bact Next > Cancel	

Review the summary on the Completing the Add Files and Folders Protection Plan wizard and click the Back button to make any adjustments. Click Finish to accept the settings and exit the wizard. Enter the account information for running the scheduled task when prompted. The new protection plan will now appear in the middle pane of the UI when the Local Plans node is highlighted and its Protection Plans action is selected.



Step 6) Run the

Protection Plan



- I X File Action View Help ** 2 10 🖬 🖬 Archive Manager (Loca) Storage Archive Sample Archives MyTestData Archives MyTestData MyTestD Actions ocal Pla TestData Status: OK Protection Plans This plan is not scheduled to run automatical History Last run Wednesday, September 19, 2012 at 2:54 PM Restore Al Vaults Al Vaults Coud Storage Al Stare Groups Al Store Groups Create Protection Plan... Export Plan History... Event Vewer... View Log... I A Remote Computers View G Refresh 👔 Help TestData Plan Settings... S Edit Schedule ... O Run 🖸 End Advanced Settings... 🗙 Delete Plan... Help • 1 View the Log File. (aiq.log)

When the plan has finished running the completion status will be indicated by the icon and on the status line. In this case the plan ran successfully as indicated by the green icon with checkmark and Status: OK.

Click the plan's Run action to run the plan.



You can review the statistics for the plan run by choosing the Local Plans History action. Then, with the particular run highlighted, click on the View Log link to see the log file. The most recent logging information is at the end of the file.

crive Manager (Local)	L.	1.225	Contraction of the	1993	1.5	Ad	tions
Storage	Plan	Action	Result	Start 9/19/2017 2:52-2	E DAA Q d	Lo	cal Plans
MYTestData Ardives Image: Ardives Image: Image: Ardives Al Yaduts Al Store Groups Coud Storage 248 r2 Standard (C:) Local Plans					2	•	Protection Plans History Restore Create Protection Plan Export Plan History Event Viewer
Remote Computers	Task completed success	ully. View log	>				View Log
						C	Refresh
	Factored 155 NB		litored (13 KB 1 1	Data reduction: 5 Files protected: 1 New files: 4 Changed files: 0 Total processed: 1 Fotal changed: 1 Fotal stored: 2	545.13:1 16 4 0 156 MB 156 MB 293 KB	2	нер

By default, protection plans run with multiple processes. The main (parent) process the plan run's overall statistics are shown. The first time a plan is run it typically has to archive all data to set a 'baseline'. This run achieves reduction primarily through single-instance deduplication (i.e. if two files are the same only one is stored) and compression. A reduction of 2:1 is common. Subsequent runs are much quicker and only store changed unique data.

To restore data click on the Local Plans Restore action. Notice in the screenshot below that there is nothing shown to restore. That's because there were no protection plans run on September 10th, the date selected on the calendar.

Archive Manager (Local)	Plan	Archive Time	Status	Storage	Actions
A Stores A Stores A Stores A Stores A Stores A dives A dives	Septembe Sun Mon Tue Wee 26 27 28 29 2 3 4 5 9 10 11 12 23 24 25 26 30 1 23 2 10 17 12 3 30 1 23 24 15 30 1 2 3 1 2	r, 2012 Thu Fri Sat 30 31 1 6 7 8 13 14 15 20 21 22 27 28 29 4 5 6 9/19/2012	-	Explore Restore	

Dates that had protection plan runs are shown in bold print. September 10th (also the current date, as indicated by the box around it) is bold so let's select it

** 2 🗊 🖬 🖬												
() Archive Manager (Local)	Plan		_	_		Archis	e Time	Status	Storage	Ad	tions	_
Actives MyTestData MyTe	Testi	Data	epter	mber	, 20	9/19/2	D12 2:53:26 PM	Available	MyTestData		cal Plans Protection Plans History Restore Create Protection Plan Export Plan History Event Vewer View Log	
	Sun	Mon	Tue	Wed	Thu	Fri	Sat				vew	'
	20	3	4	5	6	7	8				Kettesh	
	9 16 23 30	10 17 24 1	11 18 25 2] Too	12 19 26 3	13 20 27 4 9/19	14 21 28 5 /201	15 22 29 6 12			8	Help	

There's our plan run, or 'point-in-time' capture of the data. We need to highlight it before the Explore and Restore buttons are enabled.



Choosing Explore lets you browse the point-in-time just like in Windows Explorer. By right-clicking an item in the Point-in-Time Explorer you can open it, drag-n-drop it from the archive to the desktop or Windows Explorer, Save As, and Copy/Paste.



Choosing Restore opens the Point-in-Time Restore screen. You can restore back to the original location or an alternate location. You can restore just files that are missing, or you can restore missing files and files that are older, files that are missing and files that have changed, files that are missing and replace all existing files, or files that are missing and files that have changed and remove any files or folders from the restore location that are not in the restore point-in-time.

Point in Time Restore	
TestData	
As of:	Wednesday, September 19, 2012 2:53 PM
Restore files to:	Original location
Alternate location:	Click here to select an alternate folder
Restore:	Missing files
Status	Missing files Missing files and files that have changed Missing files and replace existing files Missing files, files that have changed, and remove extras
Current run status:	Click Restore to start restoring files
Restore started at:	
Restore finished at:	
Restoring from:	MyTestData
Run restore with high perfor	rmance settings
View log	Restore Close

To run the restore job with multiple processes check the 'Run restore with high performance settings' option.

Archive Manager (Local)	Plan	Archive Time	Status	Storage	Actions
Storage MyTestData MyTestData	TestData	9/19/2012 2:53:26 PM	Available	MyTestData	View View Celete Refresh Proper Help
Local Plans	September, Sun Mon Tue Wed T 26 27 28 29 2 3 4 5 9 10 11 12 16 17 18 19 23 24 25 26 30 1 2 3 Today: 9 70 70	Poil Poil hu Fri Sat 00 31 1 6 7 8 13 14 15 20 21 22 27 28 29 4 5 6 19/2012 12		Explore Restore	

Notice that after running the plan there is an Archive in the store called TestData (the protection plan's name). You can also Explore and Restore from here.

Step 7) Configure Vaulting

Before you can archive data to cloud or tape you must configure the system for vaulting. Note: You should only need to configure vaulting one time for the life of the system.



Click the Configure Vaulting action of the Storage node to begin the Configure Vaulting wizard.

Configure Vaulting Properties	
× configure facility reported	
Cache Location	
Vaulting requires a disk drive for staging data as it is being vaulted and for preparing to restore data from a vault. Please select a cache drive from the list below.	
Cache Drive Location: Select Cache Drive Location	
< Back Next > Canc	el

On the Cache Location screen click the 'Select Cache Drive Location' link to select a drive for staging data as it is being vaulted and for preparing to restore data from a vault.

Vaulting Cache Location				×
Select Cache Location				ן ר
△ Name	Туре	Total Size	Free Space	
👫 2k8 r2 Standard (C:)	Local Disk	931 GB	569 GB	
Gystem (D:)	Local Disk	465 GB	21.4 GB	
👝 Local Disk (E:)	Local Disk	232 GB	15.1 GB	
,				-
		OK	Cancel	

Select a drive and then click the OK button to close the Vaulting Cache Location screen and return to the Cache Location screen.

👷 Configure Vaulting Properties	×
Configure Vaulting Properties	
Cache Location	
Vaulting requires a disk drive for staging data as it is being vaulted and for preparing restore data from a vault. Please select a cache drive from the list below.	to
Cache Drive Location:	
< Back. Next >	Cancel

Click the Cache Drive Location link again if you want to change your selection or Click Next to continue to the Encryption screen.

👷 Configure Vaulting Properties		
K Configure Vaulting Properties		
Encryption		
This software uses AES-2	256 strong encryption to safeguard your data. A private encryption	
key is automatically gene	erated when you mitialize the system using the passpirase provided.	
	_	
Encryption Key Status:	Not Initialized	
Passphrase:		
Confirm Passphrase:		
	Initialize	
	Parts Nints Canad	
	< <u>B</u> ack <u>N</u> ext > Cancel	_

Your data is encrypted with AES 256 encryption prior to archiving to the cloud. Encryption is optional when archiving to tape. Enter an encryption passphrase to generate a private encryption key. You should record and safeguard this passphrase. Click the Initialize button to configure the product with this encryption passphrase.

👷 Configure Vaulting Properties	×
★ Configure Vaulting Properties	
Encryption	
This software uses AES-256 strong encryption to safeguard your data. A private key is automatically generated when you initialize the system using the passphree structure of the system using the passphree structure of the system using the passphree structure structure of the system using the passphree structure str	encryption rase provided.
Encryption Key Status: Vinitialized	
Passphrase:	
Confirm Passphrase:	
< Back Next >	Cancel

Click the Clear button if you want to change the passphrase, otherwise click Next to continue to the OwnerID page.

🖕 Configure Vaulting Properties	×
Configure Vaulting Properties	
Owner ID	
The Media Owner ID can be up to 14 characters and is written to all vauit storage to identify the owner. Choose an Media Owner ID that will easily identify your company or organization, for example your company web URL.	
Owner ID Status: Not Initialized	
Owner ID:	
Confirm Owner ID:	
Initialize	
< Back Next > Canc	el

Enter an Owner ID that will identify the cloud and tape media as yours. For this example we'll enter datastor.com. Click the Initialize button to configure the product with this OwnerID.

👲 Config	gure Vaulting Properties		X
🔆 Co	nfigure Vaulting Propertie	s	
Own	ier ID		
	The Media Owner ID of the owner. Choose ar organization, for exam	an be up to 14 characters and is written to all vault storage to identify I Media Owner ID that will easily identify your company or ple your company web URL.	
	Owner ID Status:	V Initialized	
	Owner ID:	datastor.com	
	Confirm Owner ID:	datastor.com	
		Clear	
		< Back Next > Cancel	

Click the Clear button if you want to change the Owner ID, otherwise click Next to continue to the summary page.

👷 Configure Vaulting Properties	X
★ Configure Vaulting Properties	
Completing the Configure Vaulting Properties wizard	
You have successfully configured vaulting.	
Vaulting Settings	
Cache drive location 'C:\'	
System Encryption Initialized	
Media Owner ID 'datastor.com'	
Click Finish to close the wizard.	
< Back	Finish Cancel

Review the vaulting settings and click Back if you want to change something, otherwise click Finish to close the wizard.

Step 8) Create a Cloud Account and add it to the product

Before you can archive data to the cloud you need to create a Cloud Account. Choose the Cloud Storage node Add Cloud Account action.



On the Cloud Accounts screen click the 'Cloud Storage Account' link to purchase cloud storage and receive your Activation key.

Cloud Accounts	_ 🗆 🗵
2nd Site	
2nd Site	
*	Add
New Account	EdR
Cloud Storage Account PD chase cloud storage or get an activ from an existing account.	vation key
	Close

After you receive your Activation key, click either the New Account icon or the Add button to register your new cloud account with this product.

Choose the default data center for this account where you would like to store your data. When you create individual Store Vaulting tasks (Step 7) you can override this setting. Note: From the Archive Manager node Properties action you can create an Export Settings task to automatically save your Archive Manager configuration files. The Export Settings task will store the configuration files to the default data center.



Enter your Activation key and a meaningful Display name, and then press the Test Connection button to make sure it's working.

nd Site			
Specify activ	vation key to register new	Cloud account	
Display name:	MyCloudAccount		
Default data center:	US Standard *	•	
Activation key:	000000000000000000000000000000000000000	000000000000	
	🗖 Use SSL		
	Clear Activation	Test Connection	
* The US Standard r in Northern Virginia o	egion automatically route or the Pacific Northwest u	s requests to facilities using network maps.	-
Cloud Storage Acco	Purchase cloud st activation key from	orage or get an a an existing account.	
	0	K Cancel	

the second s	Dia an i i	Ψ.	_
Conne	ection success.		
			ОК

Click OK to close the Cloud Connection message box and then click OK again to add the account to the product.

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Cloud Accounts	_ 🗆 ×
2nd Site	
New Account MyCloudAc	Add Ed?
Cloud Storage Account Purchase cloud storage or get an act from an existing account.	ivation key
	Close

Click Close to close the Cloud Accounts screen. Your new Cloud Account should now show up under the Cloud Storage node as shown in the screenshot below.

		-
Archive Manager (Local)	Name	Actions
Storage Storage Stores Signature MyTestData	There are no items to show in this view.	MyCloudAccount View
 Archives RestData 		Refresh
 Quarantined Items Recycle Bin 		Export List
🕑 🌽 All Vaults 🕑 🎁 All Store Groups		Help
Cloud Storage Cloud Storage MyCloudAccount Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count Count		
Local Plans	1	

Step 9) Create a Store Vaulting Task

To archive data to the cloud or to tape you need to create a Store Vaulting Task. This task copies from a 'Store' to a tape or cloud 'Vault'.



Create a Store Vaulting Task by highlighting the store and choosing its Create Store Task action.



While we're here, notice the other types of store tasks you can create. Store Copy Tasks can replicate stores within this Archive Manager system or even to another Archive Manager system across a network.

A Store Verify Task verifies the integrity of a store, including data and catalogs. Corrupt data will be moved to the store's Quarantined Items folder and flagged 'red'. Subsequent runs of a protection plan will attempt to repair (replace) the corrupt data. When successful, the quarantined item will get a 'green' flag. Green-flagged quarantined items may be safely deleted. Path to Cloud Quick Start Guide 6-67753-02 Rev A February 2013

A Store Expiration Task will expire data from a store by moving it to the store's Recycle Bin. The expiration criteria can be set through the store's Property page. The default retention setting is 'indefinite'.

A Store Purge Task removes unreferenced and expired data from the Archive Manager system.

Click 'Create Store Vaulting Task' and then select Cloud Account.

Create Store Vaulting Task
Create Store Vaulting Task
Cloud Account
2nd Site
2nd Site
New Account MyCloudAcco unt
Land the second se

Select the account you wish to vault to and then click Next to continue.

reate Store Vaulting Task			
noose Data Center			
e cloud account you have chosen nter where your data will be store	can store data to any of t d for this vaulting task.	he data centers listed below. Choose a d	iata
Region			_
US Standard *			_
US West (Oregon) Region			
US West (Northern California) F	egion		
EU (Ireland) Region			
Asia Pacific (Signapore) Region			
Asia Pacific (Tokyo) Region			
South America (São Paulo) Regi	on		
* The US Standard region autom Northwest using network maps.	tically routes requests to	facilities in Northern Virginia or the Pac	fic
			_

Since US Standard is the data center we chose to be the default data center for MyCloudAccount, it is the one pre-selected. You may change the data center for this vaulting task here, if you wish.

Create Store Vaulting Task		
Select Archives to Copy		
Select whether to copy all archives from t	the source store or choose specific archives from the	Rat.
Copy all archives from the source stor	n 🔶	
C. Come only the calented archives from	the source store	
Copy only the selected archives from	une source store	
Name		
Note: Selecting 'Copy all archives from th protection plans running to the source s	te source store' includes archives that will be created tore.	from new
Note: Selecting 'Copy all archives from th protection plans running to the source s	te source store' includes archives that will be created fore.	from new

You can copy all archives (all data from all protection plans writing to this store) or you can select to copy only certain ones. We'll take the default of copying all archives. Click Next to continue.

Each protection plan run is a point-in-time to recover from. You can copy all recovery points into the selected vault, copy a range of recovery points, or copy only the most recent recovery point. Again, we'll take the default of copying all recovery points.

Create Store Vaulting Task	<u></u>
Create Store Vaulting Task	
Configure Recovery Points to Copy	
Each protection plan run is a point-in-time to recove selected store, recovery points within a date range,	er from. You can copy all recovery points from the or just the most recent recovery point.
Copy all recovery points	
C Copy recovery points within a date range	
From start date	☐ To end date
Saturday , September 01, 2012 💌	Sunday , September 30, 2012 💌
O Only convitte most recent recovery point	
Note: One reason for selecting to only copy the mos data with less granularity. For example, you can set only copy the most recent recovery point.	t recent recovery point is to have longer retention of up the schedule for the task to only run weekly and
	< Back Next > Cancel

When the Store Vaulting Task first created it automatically creates the Vault. On the Vaulting Task Name screen you can give the task a name and you can also give the vault a name. Again, we'll take the defaults. Click Next to continue.

🔮 Create Store Vaulting Task	X
Create Store Vaulting Task	
Vaulting Task Name	
Type a name for the store vaulting task and specify a name for the vault.	
Task Name:	
Vault MyTestData to MyCloudAccount	
Note: Choose a name that describes the purpose of this task. For example, use a name that helps identify the data being copy from a store to a cloud account or tape device.	
MyTestData Vault	
Note: Choose a name that describes the purpose of this vault. For example, if this task vaults data from a store named 'Store1', then an appropriate name might be 'Store1 Vault'.	
< <u>B</u> ack <u>Next</u> Cancel	

As with protection plans, Store Vaulting Tasks can be scheduled. In fact, all store tasks can be scheduled. For this example we won't schedule the task but instead just run it manually. Click Next on the Edit Vaulting Task screen to continue.

Schedule Vaulting	fask
Set a schedule when the	vaulting task will run.
• No Schedule	Run manually or edit the schedule later
C Daily	
C Weekly	
C Monthly	
Security options —	
When running the ta	ask, use the following user account:
DOMAIN\BackupAcct	Change User

Review the summary on the Completing Store Vaulting Task wizard and click the Back button to make any adjustments. Click Finish to accept the settings and exit the wizard. Enter the account information for running the scheduled task when prompted. The new Vault will automatically be created and the new Store Vaulting Task will appear in the middle pane of the UI when the particular store node is highlighted and its Store Tasks action is selected. The Vault will appear under the All Vaults node. The vault's Archives folder will be empty until the Store Vaulting Task has been run.

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Step 10) Run the Store Vaulting Task

Run the Store Vaulting Task by clicking its Run action.



You can monitor cloud upload/download activity by selecting the Cloud Storage node Upload/Download Status action.

Note: When uploading to the cloud the data is staged in cache before moving to the cloud. When downloading from the cloud the data is staged in cache before it is available for a Restore Point in Time. Monitor upload/download activity to see when the upload or download is complete.

Archive Manager (Local)							Actions		
Storage All Stores	Descri Size	Remai	Percent	Transf	Time L	Status	Clo	oud Storage	
🖃 🧻 MyTestData	SetMa 128 KB	96 KB	25	11.6 K	00:00:08	Proces		Cloud Accounts	
Quarantined Items	MyTes 384 KB	0	100	69.66	00:00:00	Compl	C	Upload/Download Status	>
	MyTes 128 KB	0	100 🔜	22.39	00:00:00	Compl	0	Add Cloud Account	
	4 MyTes 128 KB	0	100 🔜	27.67	00:00:00	Compl		View	•
							Q	Refresh	
								Properties	
	Upload 11.6 KB/s Download 0 bytes/s	Th	oughput			Max			

Running the store vaulting task for the first time automatically creates the archive in the vault defined by the vaulting task. You can explore and restore the data from the vault after running the 'Prepare' step (pressing the Prepare button).



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Although you can explore the recovery point without running Prepare, the actual data is not reachable and you will see error messages like "The file cannot be accessed by the system" or "The system cannot find the file specified" if you try opening a file or restoring. The prepare step transfers the data from the cloud into the recovery point-in-time on the local system. After preparing the recovery point you can explore and restore normally, either by exploring to a folder or file, right-clicking it and choosing an action or by clicking the Restore button to restore the whole point-in-time.

Summary

This completes the quick start exercise. We've gone from installing the product, to archiving data to the cloud, to restoring data from the cloud. To learn more about the product please refer to the online context-sensitive help and the User Guide.