Altaro Hyper-V Backup - Offsite Backups & Seeding Guide

The introduction of an Altaro Backup Server role means that you can install the Altaro Backup Server application on another server, and use that server as a backup target for your offsite backup copy as shown in the diagram below:



The steps to set up this scenario are as follows:

- 1. Install and configure the Altaro Backup Server
- 2. Set up the Altaro Backup server as the Offsite Copy Location in your main Altaro Hyper-V Backup installation
- 3. **(Optional)** Seed to disk from the main Altaro Hyper-V Backup installation and Import the seed to the Altaro Backup Server
- 4. Take a manual or scheduled Offsite Copy

These steps are further detailed in the rest of this guide.

Setting up an Altaro Backup Server

Important: TCP Ports **35101 - 35105** are used for communication between the Altaro Hyper-V Backup software and the Altaro Backup Server and **must** be allowed through.

To install and configure the Altaro Backup Server, download and run the installer from here: http://www.altaro.com/hyper-v-backup/download-tools.php

After installation launch the Altaro Backup Server application from the Start Menu, and you will then be prompted with this dialog:

Altaro Backup Server Log In
HYPER-V Backup
Connect to an Altaro Backup Server
Connect to local server
 Connect to remote server
✓ Save connection details (including credentials) Connect Exit

Here choose to connect to the local server, which will then allow you to monitor/configure your remote backup server as shown below:

Altaro Backup Server A									
								тс	OLS
🚯 Dashboard		Showing 6 out (of 6 entries List older	entries	🕉 Refresh				
Configure Accounts		Status	Start Time	Account	Host	Virtual Machine	Backup Version	Data Transmitted	Dur
Comgare Accounts	BACKUP HISTORY	Successful	23 June 2013 at 01:12	LocalUser	SRV1_7012	Win 8	23 June 2013 at 01:00	37.39 MB	1 mi
		Successful	23 June 2013 at 01:11	LocalUser	SRV1_7012	Linux	23 June 2013 at 01:00	179.33 MB	56 seco
	RESTORE HISTORY	Successful	23 June 2013 at 01:10	LocalUser	SRV1_7012	2008 R2	23 June 2013 at 01:00	12.14 MB	1 mi
		Successful	21 June 2013 at 12:06	LocalUser	SRV1_7012	Win 8	21 June 2013 at 10:23	4.22 GB	5 mi
		V Successful	21 June 2013 at 12:05	LocalUser	SRV1_7012	Linux	21 June 2013 at 10:23	181.4 MB	48 seco
	EVENTS	Successful	21 June 2013 at 12:00	LocalUser	SRV1_7012	2008 R2	21 June 2013 at 10:23	3.03 GB	4 mi

To set up an account that can connect to this Altaro Backup server, click Configure Accounts:

Altaro Backup Server						
		TOOLS				
🚯 Dashboard	Accounts + Add a new account X Delete					
🄏 Configure Accounts	Add a new account					

Then "Add a new account" to setup the connection details for this remote backup server as shown below.

isplay Name:	WANserver1
Credentials	
User Nome:	username
Password:	
Confirm Password:	[******
Storage Area	
E:V	

Set the storage area and credentials you prefer and click Save.

You can also monitor backups from the Dashboard section, which will show you current activity, backup/restore history and events.

Configuring the Altaro Backup Server as your Offsite Backup location

After you have configured an Altaro Backup Server, you will need to configure the main Altaro Hyper-V Backup application to back up to that server.

To select an Altaro Backup Server as your Offsite backup destination, open the **Management Console** and select the option '**Offsite Copy Location'** from the left hand side menu.

Dashboard
🔏 Configure
Select Hyper-V Guest VMs
Compression / Encryption
Backup Location
Offsite Copy Location
Backup Schedules
Backup Retention Policy
Notifications

On the right hand side you will be shown a screen allowing you to choose what option you would like for your offsite copies as below:



Select the first option called "Take a copy of the backup to your own Altaro Backup Server"

Then Click the **'Select Server**' button and you will be prompted to enter the details of your Altaro Backup server as below:

	Choose an Altaro Backup Server	¢
	HYPER-V Backup	
To save a secon please ensure ti and provide the	id copy of your backup to a LAN or WAN connected Windows Server; hat you have installed the Altaro Backup Server software on the server Server address and credentials below.	
Altaro Server Address	192.168.10.110	
	Change Ports	
Altaro Account User Name	username	
Password	*******	
	Test Connection	
	OK Cancel	

Enter the details of your Altaro Backup server and click **OK**

For more information about configuring an Altaro Backup Server click here

Once you have selected your server, you must also configure an Encryption key for your offsite backups. To do so, click the **'Change Encryption Key'** link at the bottom of the screen.

 Contract a copy of the backup to your own Alaro Backup Server Using an Altaro Backup Server over a network connection is faster, more resilient and bandwidth efficie 192.168.10.110 (35101) User Account: 'matthew1' Select Server How can I setup an Altaro Backup Server? Use 'Seed To Disk' to a portable disk to transfer VM initial copies / data changes larger than 10 G This feature will allow you to transfer the data to the Offsite Location manually using a portable drive. Once at the Offsite Location the data can be imported, and subsequent (smaller) transfers will then take place automatically over the WAN connection. C Take a copy of the backup to a USB Drive / NAS Drive / Network Folder Share Use this option when the drive / location is not connected to an Altaro Backup Server. No Drive Selected Select Location 	Take a constant the backup to your own Altare Packup Server.	0./451 4 1 1
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No Drive Selected Select Location	Use this option when the drive / location is not connected to an Altar	b Backup Server.
Select Location	No Drive Selected	
Select Location		
	Select Location	

You'll be prompted for an encryption key and a confirmation, then click OK

Click Save Changes to complete

Manually taking an Offsite Copy

If you do not have a very fast connection to the Altaro Backup Server, you may consider seeding the first full backup to a removable drive and transporting it Offsite manually. For further details please see the "**Seeding**" section of this guide.

To manually start an Offsite copy, please proceed as follows:

- Go to the 'Offsite Copy & Seed' section
- Select the VM(s) you wish to start an offsite copy of
- Click the 'Take Offsite Copy' button at the top of the screen as shown below:

٢	Dashboard	^	Take Offsite Copy	
્	Configure		Take Offsite Copy Seed To Disk	Select All Select None
	Select Hyper-V Guest VMs			
	Compression / Encryption		Altaro 1 on CSV1	
	Backup Location			
	Offsite Copy Location		Altaro 2 on CSV1	
	Backup Schedules			
	Backup Retention Policy		Altaro 3 on CSV1	
	Notifications		-	
٤.	Manual Backup			
_	Offsite Copy & Seed			
3	Restore VMs	=		
B	Granular Restore			
	File Level Restore			
	Exchange Item Level Restore			
S	Advanced Restore Options			
	Sandbox Restore			
	Boot from Backup Drive			

Scheduling an Offsite Copy

If you do not have a very fast connection to the Altaro Backup Server, you may consider seeding the first full backup to a removable drive and transporting it Offsite manually. For further details please see the "**Seeding**" section of this guide.

To schedule Offsite Copies, please proceed as follows:

- Open the Altaro Management Console
- Go to Configure >> Backup Schedules
- Create a schedule group specifying the date and time for your Offsite copies, more details <u>here</u>.
- The schedule of your offsite copies will be shown in orange text in the summary of each schedule group, as below:



- Drag and drop the VM(s) from the left hand column over to the Schedule group you wish to add them to
- When done, click **Save Changes**

Seeding

When backing up to an Offsite Altaro Backup Server, it's likely that the bandwidth to that server may be limited, so we have introduced the option to manually take the first full backup to the Altaro Backup Server physically, which will then allow you to run only incremental copies over the WAN connection, we call this process **Seeding to disk**.

The below diagram summarizes the Seeding process in 3 steps:



To do this, you will need a removable disk connected to your main Altaro server. Once done, go to the 'Take Offsite Copy' screen, select the VMs you wish to transfer the backups for and click the 'Seed to Disk' link at the top of the page as below:

н	YPER-VBackup			Last Backup Today a
(j) **	Dashboard Configure Select Hyper-V Guest VMs Compression / Encryption Backup Location Offsite Copy Location Backup Schedules Backup Retention Plan Setup Console Remote Access Notifications	=	Offsite Copy 🕐 Take Offsite Copy. 🕐 Seed to Disk 🦘 Rest	<u>yre / Restore As</u>
	Take Backup / Restore			
Ī	Take Offsite Copy			
Ð	Advanced Restore Options			

Here, select the removable drive you wish to seed to, and click "Start seed to disk", and then OK. The seeding will proceed in the background, and when complete you can disconnect the drive and manually take it to your WAN server.

Once the removable disk has been connected to your Altaro Backup Server, launch the Altaro Backup Server console from the Start Menu.

Here, right click your server name and select "Import seed from disk" as shown below:

Altaro Backup Se	erver
🚯 Dashboard	Accounts 🖶 Add a new account 💥 Delete
🄏 Configure Accounts	WANserver1 EA EA Delete account
	🔶 Import seed from disk
	🕐 Export backup to disk

On the next screen, browse to the removable drive (and subfolder if applicable) where you exported the seed data to, select it and hit Start.

It will begin to import the seed data to the Altaro Backup Server's backup repository and show progress as below:

Ç		Seed Import	x
		Altaro 1	
	J	Backup Version: 2013-05-23 14-11-00	
	Importing VM: A	ltaro 1	
	Copuipa: Altaro	1 vkdv	
	Copying, Aitaro	Abort	

Once complete, any future backups to this Altaro Backup Server will be of incremental changes only.