Restore to VHD

How to create a VHD and restore a backup to the VHD using Macrium Reflect.

This article applies to Windows 7 and higher versions on Windows.

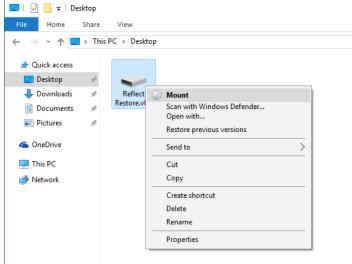
1. This section will take you through the creation of a VHD using the Windows Disk Management console and the mounting process.

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📅 Disk Managemer	nt						-		
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Page 1

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- Disk 0								
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Online		em, Active, Primary		hy (Boot, Page)			tition)	
Unallocated	Primary partitio	on						
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set your de	sired options	and click OK	to genera	ate the VHL	at the set	location.		
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Specify the v	irtual hard disk lo	ocation on the ma	achine.					
Location:								
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	lsemame*\Deskt		and a shead					
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d. Locate the VHD in Windows Explorer and mount it by right clicking the icon and selecting the Mount option.



е.	Once Mounted, Macrium Reflect Backup tab and Disk Management console will now show the mour	nted VHD.

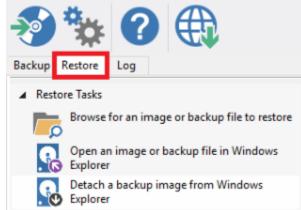
📅 Disk Managem	nent						_		×
<u>File Action V</u> i	iew <u>H</u> elp								
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Volume	Layout	Туре	File System	Status	Capacity	Free Spa	% Free		
- (C:)	Simple	Basic	NTFS (BitLo			2.39 GB	2 %		
System Reserved	d Simple	Basic	NTFS	Healthy (S	. 350 MB	317 MB	91 %		
- Disk 0									
Basic	System Rese		(C:)						
111.79 GB Online	350 MB NTFS				itLocker Encrypte		-		
Online	Healthy (Syst	em, Active, Prima	iry Partii Hea	ithy (Boot, Pag	je File, Crash Dur	np, Primary Pa	rtition)		
Disk 2									
Basic 100.00 GB	100.00 GB								
Online	Unallocated								
-									
Unallocated	Primary partiti	on							
Macrium Reflect - Server Edition	nn uf 1 1091 Technisian	a Lisense Emises en 26/02/	16					- 0	×
File View Backup Restore		s cicense - expires on 20/02/	10					- 0	^
Backup Restore									
Backup Tasks Image selected disks or	n this computer	Create a backup							
		() Refresh							_
Create a File and Folde	rbackup		E3] - KINGSTON SV300537A1	20G 600ABBF0 <111.79 GE					
Other Tasks Add drivers to technici	an's rescue media	1 - System Re NTFS Active	iserved (None)		2 - (C:) NTFS Primary				
		32.7 MB 350.0 MB		v	109.05 GB 111.45 GB			v	2
Details		Actions 🔻							
System Reserved File System: NTFS		Clone this disk	🕵 Image ti	nis disk					
Free Space: 317.3 MB Total Size: 350.0 MB			Msft Virtual Disk 1.0 <1	00.00 GB>					
Start Sector: 2,048 End Sector: 718,847									
		100.00 GB							
						15			

If the VHD is not visible in Reflect after it has been mounted, please click the O Refresh button.

2. This section will take you through the restore process of your image to the VHD.

Before you begin: You must have a backup image of the disk ready to restore.

a. On the main screen, select Restore.



Backup images available to be restored are shown in the main pane.

b. Select the image you wish to restore and click Restore Image.

lmage Re	tore File and Folder Restore		
to Be	wse for an image file 🕚 Refresh 🛛 🦷 Folders to search		
R	MBR Disk 1 [86E9FAE3] - KINGSTON SV300537A120G 600ABBF0 <111.79 GB>		
	1 - System Reserved (None) NTFS Active	1 2 - (Ci) NTFS Primary	
	27.5 MB	96.54 G8	
	350.0 MB	111.45 GB	
Sort by	Backup Date Location File Name Images that contain drive: Al Driv	20 V	View Load Errors
		55 Y	
	59D67613EA69D68D-00-00.mrimq Folder: C:\User\Desktop\69D67613EA69D680-00-00.mrimg Type: Full		Browse Image < Restore Image
	Date: 20/01/2016 12:22 mage ID: 69D67613EA69D68D		Verify Image + Other Actions

c. The next dialog gives you the opportunity to modify the destination properties.

Moving and Resizing the restored partition

(i

By default, partitions restore to their original locations if you **click 'Copy selected partitions'**. However, to drag partitions to different locations and resize them to use the available space. Simply drag the source partition to any available partition or free space on the target disk. You can also delete partitions on the target disk to make space. For more destination options and further information, see Modifying restored partition properties.

Drag and drop the disk partitions from the Source image to the Destination VHD.

🕏 Dra	ag Parti	tions to the Destination Disk or click 'Cop	y selected partitions'	
Source		6 12:22 C:\Users\Desktop\69D67613EA69D68D-0 MBR Diek 1 [86E9FAE3] - KINGSTON SV300537A120G 600AB	3F0 <111.79 GB>	
		T - System Reserved (None) NTFS Active	2 - (C:) NTFS Primary	
		27.5 MB 350.0 MB	98.54 GB 111.45 GB	
Destination	n Loca	disk 🖌 <u>Undo</u> 🖹 Cop	y selected partitions	Select a different target disk
	R	Disk 3 [F7D597D7] - Msft Virtual Disk 1.0 <100.00 GB>		
		27.5 MB 350.0 MB	99.66 GB	
	>	Delete Existing partition	tored Partition Properties	Verify image before restore
			Help < Back	Next > Cancel Finish .::

d. Click Next to restore the image onto the VHD.

Resto	re Summary	
\$	Image File: Image ID: Date: Time: Image Type:	\\psnas\Public\Gosha\pcBU\69D67613EA69D68D-00-00.mrimg 69D67613EA69D68D 20 January 2016 12:22 Full
	Source Disk: Geometry: BPB: Destination Disk:	MBR Disk 1 [86E9FAE3] - KINGSTON SV300S37A120G 600ABBF0 <111.79 GB> 14593\63\512 0\0\0 Disk 3 [F7D597D7] - Msft Virtual Disk 1.0 <100.00 GB>
	Verify: Delta: SSD Trim:	N Y Y
Sched	lules	None
Onera	tion 1 of 1	
opord	Restore Partition: Drive Letter Start Sector: End Sector: Partition Type:	1 - System Reserved NTFS 27.5 MB / 350.0 MB None 2.048 718.847 Active
114	dvanced Options	Help < Back Next > Cancel Finish

e. A summary screen is displayed confirming the choices that have been made, click Finish.

Note: You may need to run Macrium ReDeploy to enable a restored system image to boot into the Hyper-V VM. Please see Re-deploying to new hardware for more information.