

Performing a Hyper-V Rapid Recovery Restore

https://campus.barracuda.com/doc/93198164/

Restoring a Hyper-V virtual machine from a Hyper-V Rapid Recovery backup set allows you to recover a machine quickly, reducing downtime. There are two restore methods for restoring the entire virtual machine; one is to prepare the existing files in Local Storage to be used by the restored virtual machine while the other is to copy the entirety of the virtual machine files to a new location. The first option is much faster and will allow you to restore the virtual machine in minutes while the second option will take longer as it needs to copy the virtual hard disks. This article will show you how to accomplish both types of Hyper-V Rapid Recovery restores.

Hyper-V Rapid Recovery Restore

This chapter includes the following topics:

- <u>Overview</u>
- <u>Restoring Hyper-V Rapid Recovery Backups</u>
- <u>Restoring Hyper-V Object-level Rapid Recovery</u>

Overview

Rapid Recovery is a restore option that allows you to recover a failed system as a Hyper-V virtual machine in fifteen minutes or less from local storage.

The major benefit of Hyper-V Rapid Recovery is the new set of recovery options afforded to the small business to recover from any local business outage. Each option covers specific customer use cases and insures against business downtime. These options include:

- Rapid Recovery recovery-in-place
- Rapid Recovery object-level recovery
- Copy-mode recovery

Rapid Recovery - Recovery-in-Place

The main Rapid Recovery option for these backups is a recovery-in-place, in which your Hyper-V files are made available very quickly so that they can be imported into Hyper-V Manager and booted.



Rapid Recovery - Object-level Recovery

This option allows you to recover individual files and folders from a customer's local Hyper-V backup directly through the management portal. This feature allows granular restore of data in protected Hyper-V VMs without having to mount the disks and explore their contents through Windows explorer.

Copy-mode Recovery

You also can do a full-copy restore of VM data to another location. This type of restore is useful for providing a more permanent recovery solution. The full contents of the VM's disks (not just a differencing disk) are copied to a location that can serve as better permanent storage from which to run a production VM. This restore is useful for getting a copy of a VM from a certain point-in-time to either run or store elsewhere.

Restoring Hyper-V Rapid Recovery Backups

To restore a backup with Hyper-V Rapid Recovery, perform the following steps.

1. Navigate to the **Computer** page.

The **Computer** page is displayed.

ome > Manage > Barracuda >	Physical (0001)						C Leave	e Feedbac
Computer: Phy Wew Computer (Bill	sical (0001) Irracuda)				🛟 Sup	port	Search for an account	Q
Computer Information							10	e Edit
Backup agent: Computer name: Computer ID: Account username: Email address: Phone number: Group: Local backup subscription:	Connected Physical 0001 1111111111 Default Group Enabled			50 KB- 40 KB- 30 KB- 20 KB- 10 KB- 0.0 B •	62Ž017 °	6/16/2017	<mark>64/14/2017 - 67/1</mark> 1 <i>าก/2</i> 017	4/2917
(G= Active Recoveries (0)	Activity) System	Software	O Notifications	👔 Backup 🗙 D	elete	3 Restore	

2. Click the **Restore** tab.

The Restore Selections page is displayed.



Restore selections		
Download BMR Media Creator Viewing Original Catalog Acked Up Data Type Hyper-V Standard Hyper-V Rapid Recovery	You have not re Click on the Respectiv	estored any data in the last 7 days. We Backed Up Data to perform a Restore.
Click the backup type you w The Select page is displaye Restore Hyper-V Rapid Rec	ant to restore. d with Rapid Recovery selected a	as the default.
Select Oestination Summary What Hyper-V Rapid Recovery Would Select from the available revisions and/or VMs	you Like to Restore? to restore by: Rapid Recovery	Restore
Select Your VM(s) and Revision(s): Current selection:	Select the items on the left	you want to restore.
Select Your VM(s) and Revision(s): Current selection:	Select the items on the left	you want to restore.
Select Your VM(s) and Revision(s): Current selection: Select Your VM(s) and Revision(s): Select Your VM(s): Select Your V	Select the items on the left	you want to restore.

 In the Current Selection pane, select the VM and revisions you would like to restore. You can only choose one revision to restore per selected VM.

Clicking the arrow $\sum_{i=1}^{n}$ at the right of the items displays more revisions.

The selection is displayed in the far-right pane. Click the remove icon \bowtie to remove any selections or clear the item check box.



urrent selection: Windows 7 (hyp	r-v2012r2-4) 111/16/2016 @ 01:51 I Windows 7 (hyper-v2012r2-4) \11/16/2016 @ 01:51	PM ×
2 📱 Windows 7 (hyper-v2012)	● ■ 11/16/2016 @ 01:51 PM	ra 🌔

5. Click Next.

The **Destination** page is displayed.

Select	Destination	Summary	
Where Do Choose howy Select how	You Want To Re you would like to re Recov e v to verify and reco	store your VM(s). ery Type wer your data to a destination.	Rapid Recovery of VM files at the original storage location. This is the quickest recovery option and will make the VM files accessible at their current storage location for import into Hyper-V manager.
			Restore all VM files to this destination This option performs a full copy of the data from storage and is slower than the Rapid Recovery option. Path: Browse
< Previous			Next>

The following table provides a description of the restore options.

Restore Option	Description
Rapid Recovery of VM files at the original storage location.	This option provides the fastest recovery time. A differencing disk and configuration file in the existing local storage location are created that can be imported into Hyper-V Manager.
Restore all VM files to this destination.	This option recovers the VMs' files (virtual hard disks and configuration) to an alternate location. Because it performs a copy process, it takes longer. Use this option to archive a copy of your VM or to restore to storage more suited to run the VM.

- 6. Select a recovery option button.
- 7. If you selected the **Restore all VM files to this destination** option, at the Path field, type a path, or click the **Browse** button to select the storage location of the restore.
- 8. After selecting the storage location of the restore, click **Next**.



The **Summary** page is displayed.

	Recovering 1 VM(s), size: 8.32 GB (estimated	£).			
	Virtual Machine	Location			
	Windows 7	E:\LocalStorage-ff12936231a0bb87b24985f49d41			
Destination	Original Storage Location.				
Hyper-V Manager	For complete, step-by-step instructions in restoring Hyper-V data within various environments, click here.				
Notes					
£.810000000000000	of the VM(s) selected for recovery will fail as long as	s the recovery is active. In order to resume backups you have to end the			
 Subsequent backups recovery. 					

Make sure to add the recovered VMs to a backup set so they are backed up properly. **Notes**

Subsequent backups of the VMs selected for recovery fail if the recovery is active. To resume backups, you must end the recovery.

Subsequent restores also fail for active recoveries.

9. Optionally, for more information about restoring Hyper-V data within various environments, click the <u>link</u>

This option opens a new page in the Barracuda MSP Knowledge base that allows you to access additional information.

10. Verify your selections, and then click the **Restore** button.

	You are about to restore backed up data using the settings you just	t defined.
	Proceed with this restore?	
The confirmation pop-up is displayed.	N	Yes

11. Click Yes.

The **Restore Selections** page is displayed showing the status of the restore.

Restoring Hyper-V Object-level Rapid Recovery

To restore a backup at the Hyper-V Object-level, perform the following steps.

1. Navigate to the **Computer** page. The **Computer** page is displayed.



Computer: Phy View Computer (B	sical (0001) arracuda)					Support	Search for an account	Q
Computer Information								📝 Edit
Backup agent: Computer name: Computer ID: Account username: Email address: Phone number: Group: Local backup subscription	Connected Physical 0001 1111111111 Default Group Enabled			50 KB- 40 KB- 30 KB- 20 KB- 10 KB- 0.0 B •	622017	€/16 ⁷ 20	04/14/2017-07 17 7/7/2017	/14/2917
Ca Active Recoveries (0)) System	Software	O Notifications	1 Backup	× Delete	. Restore	

2. Click the **Restore** tab.

The **Restore Selections** page is displayed.



Click the backup type you want to restore.
 The Select page is displayed with Rapid Recovery selected as the default.



Select Destination	Summary		
What Hyper-V Rapid Recover Select from the available revisions	ry Would you Like to Restore? and/or VMs to restore by:		
	• 🕂 Rapid Recovery	〇 躔 Object-Level Restore	
Select Your VM(s) and Revision(s)	£		
Current selection:		Select the items on the left you want to restore.	
×			
4	<u></u>		Nex
4	<u>></u>		Nex Cancel Restore

5. In the **Current Selection** pane, select the VM, the disks, and revisions you would like to restore.

Notes

You can choose only one revision to restore per selected VM.

Clicking the arrow at the right of the items displays more files and folders.

The selection is displayed in the far-right pane. Click the remove icon \bowtie to remove any selections or clear the item check box.



urrent selection: Windows	7 (hyper-v2012r2-4) 111	1/16/2016 @ 0	1:51 PM\Win 7 64bit Small A	L Windows 7 (hyper-v2012r2-4) (Latest	×
Boot)	Miller-02	2	Dootmgr.exe.mui	(Win 7 64bit Small Agent.vhdx	×
System Volume In)	□ 🖀 da-DK)		A Volume 1	×
bootmgr	🗆 🖀 de-DE	>		■ 0-67	×
BOOTSECT.BAK	🗆 🗃 el-GR	>			
	🗆 🖬 en-US	>			
	□ 🖀 es-ES	>			
	🗆 🚞 fi-Fi	>			
	Fonts	>			
	□∎ fr-FR	>			
	🗆 🚞 hu-HU	>			
	🗆 🚞 it-IT	>			
	□ 🖀 ja-JP	>			
	ko-KR	>			
	Dan nb-NO	>			
	ni-NL	>~			
	T = nLPl				
<u>(</u>			>	Exclusions are marked in red.	
				Exclusions are marked in red.	
				Exclusions are marked in red.	,

6. Click Next.

The **Destination** page is displayed.

Select Destination Advanced	Summary	
Where Do You Want To Restore? Select the destination of your restore. Destination Choose where the data is restored	Path:	Browse
< Previous		Next >

- 7. In the **Path** field, type a path, or click the **Browse** button to select the storage location of the restore.
- 8. After selecting the storage location, click **Next**. The **Advanced** page is displayed.



Select Destinction Advanced	Siammary
What Advanced Behaviors Do You Want Yo Select from multiple options to dictate the advanced	our Restore to Have? features of the restore.
Restore Options Choose additional options for your restore.	Restore NTFS File Permissions Restore File Attributes Restore Last Modified Date
< Previous	Next >

- 9. Optionally, select any of the following options to specify the advanced features of the restore:
 - Restore NTFS File Permissions
 - Restore File Attributes
 - Restore Last Modified Date

10. Click Next.

The **Summary** page is displayed.

Select	Recovering 37 File(s), size: 14.29 MB	
Destination	C:\System Volume Information	
Advanced	Restore File Attributes Restore Last Modified Date	
< Previous		

The confirmation pop-up is displayed.



12. Click Yes.

The **Restore Selections** page is displayed showing the status of the restore.



Figures

- 1. image002.jpg
- 2. image004.jpg
- 3. image006.jpg
- 4. image008.jpg
- 5. image010.jpg
- 6. image012.jpg
- 7. image014.jpg
- 8. image016.jpg
- 9. image018.jpg
- 10. image019.jpg
- 11. image020.jpg
- 12. image021.jpg
- 13. image023.jpg
- 14. image008.jpg
- 15. image010.jpg
- 16. image025.jpg
- 17. image027.jpg
- 10 image027.jpg
- 18. image029.jpg
- 19. image031.jpg
- 20. image033.jpg

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