

eFolder BDR for Veeam Hyper-V Continuity Cloud Guide

Setup Continuity Cloud Import Backup Copy Job Restore Your VM



Version 2.0 March 2018



INTRODUCTION

Thank you for choosing the eFolder Continuity Cloud for Veeam. Using the eFolder Continuity Cloud for Veeam, you can access fast off-site virtualization of your replicated Hyper-V servers.

This guide describes how to setup, import a backup copy job, and restore your entire VM to the eFolder Continuity Cloud environment using Veeam Backup & Replication software. The guide is divided into three sections: 1) Setup eFolder Continuity Cloud, 2) Import the Backup Copy Job, and 3) Restore Your Entire VM. In Section 1, you will configure Veeam Backup & Replication to use your assigned Hyper-V Continuity Cloud server. You will begin by logging in to the Continuity Cloud node with your credentials from eFolder using a direct RDP connection. In Section 2, you will use Veeam Backup & Replication to import and decrypt your backup copy job. In Section 3, you will restore your entire VM. After selecting your virtual machine, restore location, host server, datastore, and network, your entire VM will be restored to the eFolder Continuity Cloud using the Veeam Backup & Replication software. Work through each section in the order they are presented.

Customer Support

At eFolder, we value feedback from our customers. Not only do we want to help you quickly resolve your technical issues, but we value your input and build products that incorporate your suggestions. To contact eFolder Technical Support, call **720-204-4500/1-800-352-0248** or submit questions to **VeeamSupport@eFolder.net**.

For known problem resolutions, open a browser and navigate to:

Knowledgebase: <u>https://support.efolder.net/hc/en-us/categories/115001613768-eFolder-for-Veeam</u>

Veeam Support: https://www.veeam.com/support.html

eFolder Support: https://support.efolder.net/hc/en-us

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SECTION 1: eFolder continuity cloud setup

In Section 1, you will configure Veeam Backup & Replication to use your assigned Hyper-V Continuity Cloud server. You will begin by logging in to the Continuity Cloud node with your credentials sent to you from eFolder using a direct Remote Desktop Protocol (RDP) connection.

1. Launch Veeam Backup & Replication from the shortcut on the desktop of your Hyper-V Continuity Cloud server.



			×
Veeam® Backup & Re	eplicatio)∩ ™	9.5 port number,
and user credentials to connect with.		~	9392
SLC-CC1M\ContinuityCloud			
Password			
✓ Use Windows session authenticati	on		
Save shortcut	Connect		Close

2. Click Connect



3. Select the **Backup Infrastructure** tab and select the **Managed Servers** option. Then, click **Add Server** on the menu bar.



4. Select Microsoft Hyper-V from the list of servers.





5. Enter localhost in the name field. The description field is optional.

Click Next.

	New Hyper-V Server	x
Name Specify DNS name of	IP address of Microsoft Hyper-V server.	
Name	DNS name or IP address:	\neg
Туре	localhost Description:	
Credentials		
Apply		
Results		
Summary		
	< Previous Next > Finish Cance	2

6. Select Microsoft Hyper-V server (standalone) for the type. Click Next.

	New Hyper-V Server
Select the typ	e of server you want to add.
Name Type Credentials Apply Results Summary	 Microsoft System Center Virtual Machine Manager (SCVMM) If you are using SCVMM to manage your Hyper-V infrastructure, we can pull all Hyper-V hosts and clusters information from SCVMM, and add them to managed servers automatically. Microsoft Hyper-V cluster Use this option to register Hyper-V cluster that is not managed by SCVMM. Registering Hyper-V cluster instead of individual cluster nodes provides for Live Migration awareness. Microsoft Hyper-Y server (standalone)
	Use this option to register standalone Hyper-V server that is not a part of a cluster, and not managed by SCVMM.
	< Previous Next > Finish Cancel

7. Click Add to type in your credentials.

	New Hyper-V Server	x
Credentials Select server adminis	strator credentials.	
Name Type Credentials Apply Results Summary	Select an account with local administrator privileges on the server you are adding. Use DOMAIN\USER format for domain accounts, or HOST\USER for local accounts. Credentials:	
	Click Ports to customize network ports to be used by individual components	
	< Previous Next > Finish Canc	el

8. Type the **username** and **password** received from eFolder in their respective fields; Click **OK**. The format for the username *must* be: *HOST\Username*

For example: <u>SLC-CC7a\ContinuityCloud</u>

	Credentials	x
	Jsername:	Browse
	Description:	
L	OK	Cancel
		Guncer

9. Click Next.

	New Hyper-V Server
Credentials Select server adminis	trator credentials.
Name Type Credentials Apply Results Summary	Select an account with local administrator privileges on the server you are adding. Use DOMAIN\USER format for domain accounts, or HOST\USER for local accounts. Credentials: Rontinuitycloud (last edited: less than a day ago) v Add Manage accounts
	Click Ports to customize network ports to be used by individual components Ports

10. Click Apply.

	New Hyper-V Server
Apply Please review your s	ettings and click Apply to continue.
Name	Due to these modifications the following components will be installed or removed on the target host:
Type Credentials	Transport already exists Hyper-V Integration will be installed
Apply Results Summary	This Hyper-V server will act as the backup proxy for jobs running in the on-host backup mode. Task limit: 4
	After you click Apply missed components will be installed on the target host.
	< Previous Apply Finish Cancel



11. Review the *Results Log* to confirm that the Hyper-V server was installed and configured successfully; then, click **Next**.

	New Hyper-V Server	×
Results The following servers	have been processed.	
Name	Message	Duration
_	Starting infrastructure item creation job	0:00:03
Туре	📀 Detecting operating system	
Credentials	📀 Collecting hardware info	
Greachaab	📀 Registering client SLC-CC1M for package Transport	
Apply	Segistering client SLC-CC1M for package Hyper-V Integration	
	🛇 Discovering installed packages	
Results	🛇 All required packages have been successfully installed	
Summer and	🛇 Detecting OS version	
Summary	🛇 Creating configuration database records.	
	🛇 Collecting disks and volumes info	0:00:29
	Server has been saved successfully	
	< Previous Next > Finish	Cancel

12. Review the *Summary* to confirm that the Hyper-V server was successfully created; then, click **Finish**.

	New Hyper-V Server	x
You can copy the co	onfiguration information below for future reference.	
Name Type	Summary: Microsoft Hyper-V Server 'localhost' was successfully modified. OS version: Microsoft Windows Server 2012 R2 Standard 64-bit (6.3.9600 build:9600). User: continuitycloud	
Credentials	Hardware info: Chassis type: Physical Cores count: 4	
Apply	Components:	
Results	Hyper-V Integration using port 6163 Mount Server using port 6170	
Summary	vPower NFS using port 6161 Installer using port 6160	
	< Previous Next > Finish Cance	:1



This completes Section 1 in which you have successfully configured Veeam Backup & Replication to use your assigned Hyper-V Continuity Cloud server.

Next, import and decrypt your backup copy job in Section 2.



SECTION 2: IMPORTING AND DECRYPTING THE BACKUP COPY JOB

In Section 2, you will import and decrypt your backup copy job. This is done through Veeam Backup & Replication installed on your assigned Continuity Cloud node.

1. Click the **Backup & Replication** tab on the left, and select the **Jobs** option; then, click **Import Backup** on the menu bar.

BR E- HOME VIEW			VEEAM B	ACKUP AND REPLICA	TION				- = ×
Backup Replication Job Job Primary Jobs	Restore Import Restore Failou Restore Failouer	er Plans							
BACKUP & REPLICATION	Q. Type in an object	t name to search for		×					
्रित Jobs ि Lait 24 Hours	Name 4	TYPE	OBJECTS	STATUS	LAST RES.	NEKT RUN	TARGET	De	CRIPTION
	D								
VIRTUAL MACHINES									
nies 🗇									
	2 c				ш				3

2. Click Browse.

Import Backup
Specify backup to import. You can only import backups from computers added to the Veeam Backup console.
Computer:
This server (Microsoft Windows Server)
Backup file:
Browse
Import guest file system index
OK Cancel

Import Backup	2			
Specify backup to import. You can only import backups from computers added to the Veeam Backup console. Computer:				
SLC-CC1M.slc.efscloud.net (Microsoft Windov 👻				
Backup file:				
Browse]			
Import guest file system index				
OK Cancel				

3. Enter the path to the X volume on your eFolder Veeam Cloud Target in the address bar using the following format: \\<vault name>.aa.sc.efscloud.net\x\$

	Open							
(☉) ♥ ↑ [□] \\ve-demovault1.aa.sc.efscloud.net\x\$ Search Documents								
Organize 🔻 New folder 🛛 🕅 🗮 👻 🗍					8≡ ▼ 🔲	0		
🚖 Favorites	Name	Date modified	Туре	Size				
Desktop Downloads E Recent places	퉬 Hyper-V	1/23/2015 8:23 AM	File folder					
<table-of-contents> Network</table-of-contents>								
File <u>n</u>	ame:			¥	Backup meta files (*.vbm) <u>O</u> pen Cancel	▼		



4. When prompted, enter your AD credentials. For example: AD\Testpartner

NOTE: These are the *same* credentials us would use to log into the eFolder Veeam cloud console to manage your tenants.

	User name
Р	Password
	Domain: SLC-CC1M
	Remember my credentials

5. Browse to the location of the backup job you wish to import. Select the **VBM file** and click **Open**.

Open				
\$ ► Backup ► Tenant1 ► Backup Copy Job 1		👻 🖒 Search Ba	ckup Copy Job 1	٩,
ler			•= •	0
Name	Date modified	Туре	Size	
Backup Copy Job 1	9/29/2017 12:08 AM	Veeam Backup &	22 KB	
1ame: Backup Copy Job 1		✓ Backup n	neta files (*.vbm) n Cancel	✓✓
	Oper	Open Image: Sector Provide the sector Provided the sector Pro	Open	Backup > Tenant1 > Backup Copy Job 1 C Search Backup Copy Job 1 Ier IIII P IIIII P IIIIII P Name Date modified Type Size IB Backup Copy Job 1 9/29/2017 12:08 AM Veeam Backup & 22 KB Iame: Backup Copy Job 1 9/29/2017 12:08 AM Veeam Backup & 22 KB

6. Click OK.

Import Backup				
Specify backup to import. You can only import backups from computers added to the Veeam Backup console. Computer:				
SLC-CC1M.slc.efscloud.net (Microsoft Windov 🗸				
Backup file:				
\\ve-demovault1.aa.sc.efscloud.net\x\$\Backup\Te Browse				
Import guest file system index				
OK Cancel				

7. You will be prompted for credentials once more. Click Add.

Choose C	Iredentials
Credentials:	✓ Add Manage accounts
	OK Cancel

8. Enter your AD username and password. Click OK.

Credentials	x
Username: AD\testpartner	Browse
Password: •••••••••	OK Cancel

9. Click **OK** again to start the import. Your backup job should now be listed in **Backups** under the **Encrypted** section.



10. Select the **Encrypted** option below **Backups**; then, select your backup copy job and click **Specify Password** on the menu bar.

BACKUP TOOLS E- HOME ENCRYPTED BACKUP		VERAM BACKUP AND REPLICATION	- = ×
Specify Addient			
BACKUP & REPLICATION	Q. Type in an object name to search for	×	
S John S Berkupn S Dia (morphed) Link 24 Hours	NAME T EACKUP PATH		
BACKUP & HERLCATION C BACKUP BRACTRUCTURE WRTURA MACHINES C TARE HIRACTRUCTURE PRES HERTORY			
LOBICT SELECTED		COMMECTED TO: LOCALHOST	HIRE STATIONYS REMAINING VEGAM

11. Enter the encryption key associated with the Backup Copy Job and click **OK**.



This completes Section 2. Your backup copy job has been imported and should now be listed under **Backups** in the **Disk (imported)** section. Next, proceed to **Section 3** to restore your entire VM.

SECTION 3: RESTORING YOUR VM

In Section 3, you will restore your VM. The restore process will allow you to select the virtual machines you wish to restore, the desired restore points, target host, storage, and networking options.

1. To begin, click the **Restore** button on the top ribbon.

記 ヨー HOME						- ¤ ×
Backup Replication Job Job Primary Jobs	Restore Junport Failover Restore Failover Plan Restore Failover Plans					
BACKUP & REPLICATION	Q Type in an object name to search for	×				
 Be Beckups Chi (imported) Chi (imported) Chi 24 Hours 	JOB NAME †	CREATION TIME 9/29/2017 12:00 AM	RESTORE POINTS	REPOSITORY	PLATFORM Hyper-V	
BACKUP & REPLICATION						
TAPE INFRASTRUCTURE						
1 RACYUR	*			CONNECTED TO:	LOCALHOST NEW 124 DAVE R	

2. Select Entire VM in the Restore from backup list, and click Next.

	Hyper-V Restore Wizar	d 🗾
Restore Type Select restore type a	nd click Next.	
Restore Type	Restore from backup	Restore from replica
	 Instant VM recovery Entire VM VM files (VHD, VSV, BIN, XML) Guest files (Microsoft Windows) Guest files (Linux and other) Application items Restore to Microsoft Azure 	 Failover now Perform planned failover Undo previously performed failover Failback to production Commit failback Guest files (Microsoft Windows) Application items
	< Previ	ious Finish Next > Cancel



3. On the *Full VM Restore* page, click **Add VM**, and select **From Backup** in the dropdown list.

	Ful	I VM Restore Wi	zard	×
Virtual Machines Select virtual machines environment (cont	nines to be restored. You can tainers will be automatically (add individual virtu xpanded to plain lis	al machines from backup files t).	, or containers from live
Virtual Machines	Virtual machines to rest	ore: e for instant lookun		
Restore Mode	Name	Size	Restore point	Add VM
Summary				From infrastru From backup Remove
		<	Previous Next >	Finish Cancel

4. In the *Backups Browser*, select your **virtual machine** below the **Backup Copy Job** option; then, click **Add**.

	Backups Brow	vser		x
Select virtual machine:				
Job name	Last restore point	VM count	Restore points count	
Backup Copy Job 1	9/29/2017 12:00:00 AM	1	-	
WebServer	3 days ago (10:01 PM			
Tune in an object name	to search for			0
<u> </u>		6		~
			Add Canc	el

5. The wizard will automatically select the most recent restore point. If you wish to use a different restore point, click the **Point** button on the right. Otherwise, Click **Next**.

	Full	VM Restore Wizard	x
Select virtual Machines Select virtual machin environment (contai	es to be restored. You can a ners will be automatically ex	add individual virtual machines from backup files, or containers from live panded to plain list).	
Virtual Machines	Type in a VM name	re: for instant lookup	
Restore Mode	Name	Size Restore point Add \	лм
Reason	WebServer	15.5 GB 3 days ago (10:01 PM Thursda)	t
Summary		Remo	ive
		< Previous Next > Finish Canc	:el

6. Select Restore to a new location, or with different settings; then, click Next.

Full VM Restore Wizard			
Restore Mode Specify the desired r	estore mode.		
Virtual Machines Restore Mode	 Restore to the original location Quickly initiate restore of selected VMs to the original location, and with the original name and settings. This option minimizes the chance of user input error. 		
Host Datastore	 Restore to a new location, or with different settings Customize restored VM location, and change its settings. The wizard will automatically populate controls with the original VM settings as the default settings. 	: all	
Network			
Name Reason			
Summary			
	Quick rollback (restore changed blocks only) Allows for quick VM recovery in case of guest OS software problem, or user error. Do not use thi option when recovering from disaster caused by hardware or storage issue, or power loss.	is	
	< Previous Next > Finish Cance		

7. Click Host... to select your host server.

	Full	VM Restore Wizard	×
Host Select host to restore	: VMs to.		
Virtual Machines	VM location:		
Restore Mode	Name WebServer	Host	Cluster Resource
Host			
Datastore			
Network			
Name			
Reason			
Summary			
	Select multiple VMs and	click Host to apply changes in bulk.	Host Resource
		< Previous Nex	t > Finish Cancel

8. Select your host server (localhost) below the **Hosts** option; then, click **OK**.

Select Sen	/er	~
Select Server		<u>(</u>
✓ The Hosts Incalhost		
Turo is an object name to come for		
• type in an object hame to search for	OK Car	ncel

9. Click **Next** to accept the selected host server.

Full VM Restore Wizard				
Host Select host to restore VMs to.				
Virtual Machines	VM location:			
Restore Mode	Name	Host	Cluster Resource	
Host	webserver	. iocainost		
Datastore				
Network				
Name				
Reason				
Summary				
	Select multiple VMs and cli	ick Host to apply changes in bulk.	Host Resource	
		< Previous Next >	Finish Cancel	

10. If you wish to change the storage location for your VM files, click **Path**. Otherwise, click **Next**.

	Full VM Resto	ore Wizard		x
Datastore Select datastores to p	lace VM configuration files and virtual	disks files to.		
Virtual Machines	Files location:			
	File	Size	Path	
Kestore Mode	WebServer			
Host	Configuration files	15.5.00	X:\VMs	
	WebServer.vndx	15.5 GB	X:\VMs	
Datastore				
Network				
Name				
Reason				
Summary				
	Select multiple VMs and click Path to	o apply changes in	bulk.	Path
		< Previous	Next > Finish	Cancel

11. Select the VM and click **Network**.

	Full VM Restore Wizard	×		
Network Select how virtual networks map to each other between original and new VM locations.				
Virtual Machines	Network connections:			
Restore Mode	Source	Target		
Host	Realtek PCIe GBE Family Controller	Not connected		
Datastore				
Network				
Name				
Reason				
Summary				
	Select multiple VMs to apply settings change in bu	Ik. Network Disconnected		
< Previous Next > Finish Cancel				

12. Select the network you would like this VM to be attached to; then, click **OK**.

Select Netw	/or k	x
Select Network	I	25
⊿ ➡ Networks		
Iocalhost ☐ Internal-LAN ☐ WAN-DMZ ☐ Internal-TestingOnly		
- Tune in an object name to search for		
Type in an object name to search for		4
	OK Cancel	

13. Click **Next** to continue.

Full VM Restore Wizard				
Network Select how virtual networks map to each other between original and new VM locations.				
Virtual Machines	Network connections:			
Destaur Marda	Source	Target		
Restore Mode	WebServer			
Host	Realtek PCIe GBE Family Controller	Internal-LAN		
Datastore				
Network				
Name				
Reason				
Summary				
	Select multiple VMs to apply settings change in bu	lk. Network Disconnected		
	< Previo	us Next > Finish Cancel		

NOTE: If your VM has multiple network adapters you may configure each one to point to the desired network. Example: NIC1 -> Internal-LAN; NIC2 -> WAN-DMZ

14. Click **Next** to continue.

	Full	VM Restore Wizard	X	
Name Specify new virtual m	nachine name, and whether	you would like unique identifier pro	eserved.	
Virtual Machines	Virtual machines:			
	Name	New name	VM UUID	
Restore Mode	WebServer	WebServer	Preserve	
Host				
Datastore				
Network				
Name				
Reason				
Summary				
	Select multiple VMs to a	oply settings change in bulk.	Name VM UUID	
	< Previous Next > Finish Cancel			

15. Click Next to continue.

	Full VM Restore Wizard
Reason Type in the reason for reference.	or performing this restore operation. This information will be logged in the restore sessions history for later
Virtual Machines Restore Mode Host Datastore Network Name	Restore reason:
Keason Summary	Do not show me this page again
	< Previous Next > Finish Cancel

16. Review the summary and ensure all the selections are correct. Once you have confirmed the selections are correct, click **Finish** to begin the restore.

	Full VM Restore Wizard	x
You can copy this co	infiguration information for the future reference.	
Virtual Machines Restore Mode Host Datastore Network Name Reason Summary	Summary: Original VM name: WebServer New VM name: WebServer Restore point: 3 days ago (10:01 PM Thursday 9/28/2017) Target host: localhost Target folder: X:VMs Network mapping: Realtek PCIe GBE Family Controller - Virtual Switch -> Internal-LAN	
	Power on target VM after restoring <pre></pre>	1

This completes the eFolder Continuity Cloud setup, the import and decryption of the backup copy job, and the restore VM process. If you have any problems during this procedure or notice errors in the log file, please call eFolder Technical Support at **720-204-4500/1-800-352-0248** or submit questions to **VeeamSupport@eFolder.net**.