

## eFolder BDR for Veeam Cloud Connection Guide

Setup Connect Preload Data





Version 2.0 April 2016







## INTRODUCTION

Thank you for choosing the eFolder Cloud for Veeam. Using the eFolder Cloud for Veeam, you can replicate Veeam V8.0 data to the eFolder enterprise storage cloud, effortlessly scaling from terabytes to petabytes. In addition to providing turn-key Veeam replication, you also have access to the eFolder Continuity Cloud that provides fast off-site virtualization of your replicated servers and networks.

This guide describes how to deploy and configure the Veeam Cloud Connect infrastructure and use cloud repositories to store data with eFolder using Veeam Backup & Replication software. The guide is divided into three sections:

- 1) Setup eFolder,
- 2) Connect to eFolder, and
- 3) Preload Data to eFolder.

In Section 1, you will enter your credentials in the Veeam console using an RD Web Access gateway. After creating a user account for each client's backup server, identifying resources, and configuring infrastructure settings, proceed to Section 2 for connecting eFolder as a service provider.

To complete Section 2, you will need specific information sent from eFolder. If you plan to preload data,

Section 3 provides details for preparing and sending data. After eFolder preloads your seed data, you will be notified to complete the remaining steps for accessing and synchronizing your backup copy job. 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 678-373-0109/1-800-352-0248 or submit questions to <u>VeeamSupport@eFolder.net</u>.

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## CONTENTS

#### SECTION 1: SETUP eFOLDER

Work Resources RemoteApp	4
Credentials	5
Cloud Connect to Console	6
Add Tenant	10
Set User Quota	12
Summary	13

#### SECTION 2: CONNECT TO EFOLDER

Add Service Provider	14
Credentials	15
Verify SSL Certificate and User Account Settings	15
Resources	17
Review Summary Information	18

#### SECTION 3: PRELOAD BACKUP DATA TO EFOLDER

Federal Health Insurance Portability and Accountability Act (HIPAA)	19
Copy Veeam Backup Data to an External Hard Drive	
Name	20
Type of server	21
Server	21
Repository	22
Backup & Replication	24
Job	25
Virtual Machine	25
Target	27
Advanced Settings	
Data Transfer	
Synchronize	
eFolder Support for Veeam information	
Access Seed Data	
Backup & Replication	
Encryption Password	
Map Backup	
Synchronize	

VEEAM BACKUP & REPLICATION GUIDE	3	/
Frequently asked questions	3	8





## **SECTION 1: SETUP eFOLDER**

In this section, you will configure the eFolder Cloud as a replication target for a Veeam source machine by creating a user account for each client on the Veeam target server and adding the Veeam target server as a service provider on the source Veeam server.

1. To access the console of your Veeam target, use a Windows web browser to access the gateway located at the datacenter where your data resides:

Salt Lake City, UT <u>https://appgw.efscloud.net</u> Atlanta, GA <u>https://appgw.atl.efscloud.net</u> Kelowna, Canada <u>https://appgw.ylw.efscloud.net</u> Amsterdam, Netherlands <u>https://appgw.ams.efscloud.net</u>

Work Resource	PS Intection	RD Web Access
		Help
	Domain\user name: Password: Security ( <u>show explanation</u> ) This is a public or shared computer This is a private computer Password Reset Utility	
	Sign in To protect against unauthorized access, your RD Web Access session will automatically time out after a period of inactivity. If your session ends, refresh your browser and sign in again.	
Windows Server 2012 R2		Microsoft



## 2. Then, type the credentials you received from eFolder.



efolde:

 The first time you login, you will receive the message, "Your password is expired. Click <u>here</u> to change it."

Click the link to change your password.

Work Resources RemoteApp and Desktop Connecti	on		
	Domain\user name:	AD\training	*
	Password:	•••••	*
	Your password is expired.	Click <u>here</u> to change it.	
	Security Warning: By logging in to t that this computer complie security policy.	his web page, you conf es with your organizatio	irm n's
		Si	gn in
	To protect against unautho Access session will automa of inactivity. If your session and sign in again.	vrized access, your RD V tically time out after a p ends, refresh your bro	Veb period wser



4. Type your login information, including your new password, confirm your new password, and click **Submit**.



efoldes

5. After you sign in to the RD Web Access gateway, click the console you want to access.





52

### 6. Click **OK**.

and the second se	
b cpub-VeeamB	ackupShell-Veeam1-CmsRdsh.rdp
which is: Remo	ote Desktop Connection
from: https://a	ppgw.efscloud.net
What should Firefox	do with this file?
Open with	Remote Desktop Connection (default)
Save File	
Do this autor	matically for files like this from now on
E bo ans gator	nuccany for mes are and norm now on

7. Click **Connect** to continue.





#### 8. Type the same credentials you used to sign in previously to the RD Web Access Gateway with your *new* password, then click **OK**.



OK

Cancel

 Verify that the "Use Windows session authentication" box is checked and then click Connect.

		×
Veeam <sup>®</sup> Backup & Re	eplication <sup>™</sup> 9.0	
Type in a backup server name or IP ad and user credentials to connect with.	dress, backup service port number,	;
localhost	∨ 9392	
AD\testpartner		
Password		
✓ Use Windows session authentication	on	
Save shortcut	Connect Close	





10. You will then be connected to the Cloud Veeam Server console.

Select the Cloud Connect Infrastructure tab on the left.







11. Select the Cloud Connect Infrastructure option, then select Tenants.



12. Click **Add Tenant** on the menu bar then enter the Username and Password. Please ensure to check the box next to "*Backup storage*" then click **Next**.

TENANT TOOLS			VEEAM	BACKUP AND REPLICATION	– 🗆 ×
E → HOME TENANT	L L				?
Add Edit Disable Delete F	Report				
Manage Tenants I	Details			New Tenant	
CLOUD CONNECT	Q Typ	Specify tenant name,	password, ass	igned resource types and optional contract expiration date.	
Cloud Connect	NAME 🕹				RATI
Cloud Gateways		Tenant	Usemame:	Tenant 1	
Backup Storage		Bandwidth	Password:	•••••	
Replica Resources		Backup Resources		Generate new	
ast 24 hours			Description:	Created by AD\testpartner at 2/3/2016 12:41 PM	1
History		Summary			
			Assigned res	ources p storage (cloud backup repository)	
BACKUP & REPLICATION			Replic	ation resources (cloud host) piration	
BACKUP INFRASTRUCTURE			Contra	ct expires: Never Calendar	
				Consider Next > Decide Consed	1
CLOUD CONNECT					
FILES					
_ <u>⊜</u> ,					
0 TENANTS				CONNECTED TO: LOCALHOST SUPPORT: 173 DAYS REMAINING	veeam





 Please leave this box unchecked (there is no need to limit the bandwidth usage on the target side); click Next.

	New Tenant	x
Bandwidth Specify maximum al	lowed bandwidth consumption by this tenant, or leave it unlimited.	
Tenant	Limit available network bandwidth to:	
Bandwidth	Limits incoming network traffic from this tenant.	
Backup Resources		
Summary		
	< Previous Next > Finish Can	cel

14. For each new customer, type their Username, Password, and a brief Description in the respective fields. Click Next.

	New Tenant X
Tenant Specify tenant name,	password, assigned resource types and optional contract expiration date.
Tenant	Usemame: Tenant1
Bandwidth	Password: ••••••
Backup Resources Summary	Cenerate new Cene
	Calendar Calendar Calendar
	< Previous Next > Pinish Cancel





15. Click Add on the Backup Resources page.



- 16. Type a **Cloud repository name** in the *Cloud repository name* field.
- 17. Select your **Backup repository** from the dropdown list.
- 18. Select the **User quota** size in the User quota field, then click **OK**.

Set Quota
Cloud repository name:
Specify a friendly repository name that will be shown to the user.
Backup repository:
Default Backup Repository (Created by Veeam Backup)
999.8 GB free of 1000.0 GB
User quota:
Enable WAN acceleration through the following WAN accelerator:
✓
OK Cancel





19. With the new cloud repository listed in the New Tenant window, click **Next** to continue.

		New Tenant				x
Add one or more cloud	repositories for this tena	nt to use.				
Tenant	Cloud repositories:					
Bandwidth	Repository	Friendly name	Quota	Free	WAN	Add
Construct	Default Backup Re	Cloud repository 1	10.0 GB	999.8 G	Not set	Edit
Backup Resources						Remove
Summary						
		< Previo	bus	Next >	Finish	Cancel

20. After verifying that your cloud information is correct in the Summary box, click **Finish**.

This concludes the setup process. Continue with Section 2 to add eFolder as a service provider.



	New Tenant	x
Summary Review and copy te	mant settings, and click Finish to exit the wizard.	
Tenant Bandwidth Backup Resources Summary	Summary: [Tenant: Tenant1 Description: Created by AD\testpartner at 2/3/2016 12:41 PM. Expiration: Never Available backup storage resources: Cloud repository: Default Backup Repository, Friendly name: Cloud repository 1, Quota: 10.0 GB WAN acceleration: Not used	
	Copy password to clipbo	pard
	< Previous Next > Finish Cancel	

## **SECTION 2: CONNECT TO eFOLDER**

To use your new eFolder Cloud Repository, you must add eFolder as a service provider on the Veeam backup server. First, verify that you have documented the following information:

- The user name and password for your customer's user account that you created on the eFolder Cloud Repository.
- The DNS name of the cloud gateway that is being used to communicate with the Veeam cloud connect infrastructure.

For example: eFolder.aa.sc.efscloud.net

#### To add eFolder as a service provider:

1. Click the **Backup Infrastructure** tab on the left and select the **Service Providers** option, then click **Add Service Provider**.







- 2. Type the **DNS name** in the DNS Name field that was sent to you for your cloud server, such as eFolder.aa.sc.efscloud.net, then type a **description** in the Description field, such as eFolder.
- Verify that the Port field is set to 6180. This will be used to communicate with the eFolder cloud gateway.

	Service Provider
Type in DNS n provider, add a	iider ame or IP address and a port number received from the service provider. If you are using more than one servic custom description to more easily distinguish between them.
Service Provider	DNS name or IP address:
	veeam2.aa.sc.efscloud.net
Credentials	Description
Apply	
	Created by AD testpartner at 2/3/2016 12:50 PM.
Summary	
	Port: 6180  Port: 6180  Port: 6180  Port: 6180  Port: 6180  P
	< Previous Next > Finish Cancel

4. Click Next.

<u>Note:</u> SSL certificate verification is required by eFolder. For the credentials, you will need to verify the SSL certificate settings and type the user account that connects to the cloud repository.

5. Copy the thumbprint you received from eFolder into the *Thumbprint for certificate* verification field. Click **Verify** to confirm that the thumbprint matches your SSL certificate.





#### 6. If you have already added the user account that you created on the cloud server, select the account from the *Credentials* drop-down list; otherwise, click **Add.**



efolde:

7. Type in your credentials and then click **OK**.

	Credentials	x
Usemame:	Tenant1	Browse
Password:	······	
Description:		
Tenant1		
	ОК	Cancel

8. Verify the new credentials are selected in the drop-down list and then click Next.

	Service Provider	x
Credentials Specify credentials	that you have received from the service provider, and validate the certificate.	
Service Provider Credentials Apply Summary	This certificate has been validated. Verfied by: <u>CN=Veeam Software, O=Veeam Software, OU=Veeam Software</u>	
	Select credentials issued to you by the service provider Credentials: Ranant1 (Tenant1, last edited: less than a day ago) v Add Manage accounts	
	< Previous Next > Finish Cance	





9. The list of Available cloud repositories is now displayed. Please wait for the processing to complete, then click **Next**.

	Sen	vice Provider		x
Resources The following are cloud	d backup repositories your se	ervice provider has assig	ned to you.	
Service Provider	Available cloud repositories:	:		
	Repository	Capacity	WAN Acceleration	
Credentials	Cloud repository 1	10.0 GB	Disabled	
Resources				
Apply				
Summary				
		< Previous	Next > Finish Ca	ancel





10. Click **Next** to apply the changes.

	Service Provider
Apply Please wait wi	nile settings are being saved to the configuration database.
Service Provider	Log:
Credentials	Message Duration Saving service provider 0:00:01
Resources	Saving cloud resources Saving network extension appliances
Apply	Updating remote management setting
Summary	
	< Previous Next > Finish Cancel

11. Review the summary information to ensure that eFolder has been added as a service provider and is properly configured, then click **Finish**.

	Service Provider	×
Summary Review the results, and	d click Finish to exit the wizard.	
Service Provider Credentials Resources Apply Summary	Summary: New service provider veeam2.aa.sc.efscloud.net has been added succesfully. Available cloud resources: Cloud repositories: Cloud repository: Cloud repository 1, Quota:10.0 GB, WAN Acceleration: Disabled	
	< Previous Next > Finish Canc	el





## **SECTION 3: PRELOAD BACKUP DATA TO eFOLDER**

If you have a large amount of backup data in your Veeam backup infrastructure that you want to back up to eFolder's cloud, you may want to request a "preload" or "seed." To determine if you should preload your data, please refer to this <u>Knowledgebase</u> <u>article</u>. This will help you estimate the time required for sending the initial replication job data via the Internet. Usually, we recommend sending a preload when backing up more than 50GB of data with a standard Internet connection.

If you determine that you do require a preload (seed) drive, eFolder offers a preloading service, which includes everything required for you to properly preload (seed) your account. Click on <u>How To Request a Preload (Seed Drive)</u> for instructions.

### Federal Health Insurance Portability and Accountability Act (HIPAA)

In compliance with the updated 2013 Federal Health Insurance Portability and Accountability Act (HIPAA) regulations, eFolder is implementing additional steps to mitigate the risk of violating this law for our partners and ourselves as follows:

- Before preload drives leave the eFolder facility, they will be wiped of their data to avoid the risk of a data breach in transit, regardless of whether we have cause to believe the drive was encrypted or contained PHI (Protected Health Information).
- If we receive a drive that is defective, or cannot successfully complete a wipe for any reason, it will *not* be returned and will be physically destroyed. If you want to receive back your own or your customer's disk, you must send us reliable disk media that has been shipped with adequate packaging materials to protect it during transport.
- You are responsible for ensuring that the disk media contains ONLY fullyencrypted data created by the software and tools supported by eFolder. Disk media that may have at some point contained unencrypted PHI must be erased using an approved method before being sent to eFolder. This is for your protection and ours.

After you receive the preload (seed) drive from eFolder, you will copy this backup data to an external hard drive.





Copy Veeam Backup Data to an External Hard Drive

The following instructions describe how to preload your Veeam backup data to an external hard drive.

- 1. Click the Backup Infrastructure tab and select the Backup Repositories option.
- 2. Select your backup copy job in the list, then click **Add Repository** on the menu bar.



3. Type a **name** and a **description** of the repository in their respective fields, then click **Next**.



	New Backup Repository	X
Name Type in a name and	description for this backup repository.	
Name	Name:	_
Туре		
Server	Description:	-
Repository		
Mount Server		_
Review		
Apply		
	< Previous Next > Finish Cance	<u>; </u>

4. Select Microsoft Windows server on the type of backup repository and click Next.



5. Click **Next** to continue on the Server screen.



	New Backup Repository
Server Choose serve	er backing your repository. You can select server from the list of managed servers added to the console.
Name	Repository server:
Type	LabSvr3 (Backup server)  Add New.
Server	Path Capacity Free Populate
Repository Mount Server Review Apply	
	< Previous Next > Pinish Cancel

- 6. Click Browse and select the external drive Data (X:) from the browser list.
- 7. Then, select the target path folder **Preload** or create a new folder.
- 8. Click **OK**, then click **Next** on the Repository page.









9. Click **Populate** to view the capacity and free space for the selected path.

10. Accept the defaults and click **Next**.

	New Backup Repository	×
Repository Type in path	to the folder where backup files should be stored, and set repository load control options.	
Name	Location Path to folder:	
Туре	X:\Preload Brow	se
Server	Capacity: 2.6 TB	late
Repository	Free space: 2.5 TB	
Mount Server Review Apply	Load control Running too many concurrent tasks against the same repository may reduce overall performa and cause I/O operations to timeout. Control storage device saturation with the following sett Umit maximum concurrent tasks to: Limit read and write data rates to: MB/s	nce, ings:
	Click Advanced to customize repository settings Advan	ced
	< Previous Next > Finish Can	cel

11. Continue clicking **Next** until the **Finish** button is no longer grayed out, then click **Finish**.

	New Backup Repository	×
Apply Please wait wh	ile backup repository is created and saved in configuration. This may take a few minutes.	
Name	Message	Duration
	Starting infrastructure item creation iob	0:00:01
Туре	O Discovering installed packages	
Carana	Registering client LABSVR3 for package Transport	
Server	Registering client LABSVR3 for package vPower NFS	
Repository	Registering client LABSVR3 for package Mount Server	
	Oiscovering installed packages	
Mount Server	All required packages have been successfully installed	
-	Obtecting server configuration	
Review	Reconfiguring vPower NFS service	
Apply	Creating configuration database records for installed packages	
14443	Creating database records for repository	
	Backup repository has been added successfully	
	< Previous Next > Finish	Cancel





12. If you receive a popup asking to change the configuration backup location, select **No**.



<u>Note:</u> A backup copy job is required for the seed process. Please complete the following steps to create a backup copy job.

- 13. Select **Backup & Replication** on the left, then click the **Jobs** option.
- 14. Select **Backup Copy** on the menu bar to create a backup copy job.

BB	VEEAM BACKUP AND REPLICATION							×
ET HOME VIEW								?
Backup Replication Job Job Primary Jobs Auxiliary J	File Restore Import y Copy Jobs Restore F	Failover Plan Failover Plans						
BACKUP & REPLICATION	Q Type in an object nam	ne to search for		$\times$				
<ul> <li>✓ Jobs</li> <li>✓ Backup</li> <li>✓ Disk</li> <li>✓ Disk</li> <li>✓ Success</li> </ul>	NAME↓ ☆ Demo Backup	TYPE Hyper-V Back	OBJECTS 1	STATUS Stopped	LAST RESULT Success	NEXT RUN 4/8/2016 10:000	TARGET Default Backup Repositor	0
	4							2
1 JOB				CONNEG	TED TO: LOCALH	IOST NFR: 116 DA		ī





- 15. Type a name for the job in the Name field.
- 16. Select the frequency, day, and time schedule in their respective fields for the backup job, then click **Next**.

	New Backup Copy Job
Job Backup copy job effi data. Type in a name	ciently creates local and remote copies of your backups, making it easy to maintain multiple copies of your and description for the job, and specify backup copy interval.
Job	Name:
Virtual Machines	e Folder Offsite
	Description:
Target	Created by LABSVR3\Administrator at 4/8/2016 6:15 PM.
Data Transfer	
Schedule	
	Copy every:
Summary	Day starting at 12:00 AM
	Controls how often backup copies are created. Backup Copy job creates a new backup file for each copy interval, and starts copying the most recent restore point of each processed VM into this backup file immediately, or as soon as the new restore point appears in the source backup repository.
	< Previous Next > Finish Cancel

17. Click Add and select From Backups... on the drop-down list.

Virtual Mach	ines chines to the iob. Consider using	containers (such as backup iob	s, or infrastructure folde	ers) for dynamic selection
scope. No mat	ter how you choose to select VM	s, the job will always get VM dat	a from the existing bac	kups files.
Job	Objects to process:			
Mitual Machines	Name	Туре	Size	Add
viituai macriiries				From infrastructure
Target				From backups
Data Transfer				From jobs
Schedule				Source
Name and				
ourninary				t Up
				Down
				Recalculate
				Total size:
				U.U KB



18. Select the backup you want to preload and click **Add**.

	Backups E	Browser	
lect virtual machine:			
ob name	Last restore point	VM count	Restore points count
🖄 Demo Backup	4/7/2016 10:00:29 PM	1	
<ul> <li>Type in an object</li> </ul>	name to search for		

19. After reading the encryption notice, click **OK** to continue.

Veeam Backup and Replication
Source backup job has encryption enabled. Consider enabling encryption for Backup Copy job as well.
ОК





20. Select the repository that you created on your external disk in the Backup repository drop-down list.

Then, choose the number of restore points you want to keep offsite in the eFolder Cloud. The recommended maximum retention rate for off-site data is 60 days.

To change the settings, select the checkbox for Keep the following restore points for archival purposes, change the settings, then click **Advanced**.

Job	Backup repository:	
Virtual Machines	Seed Repo (Created by LABSVR3\Administrator at 4/8	8/2016 6:06 PM.)
Target Data Transfer	Restore points to keep: 7	Map backur
Schedule	Keep the following restore points for archival purpos	ses
Summary	Weekly backup: 4 🔦 Sunday 22:00	Schedule
animaly .	Monthly backup: 0 🕞 First Sunday of	the month
	Quarterly backup: 0 💭 First Sunday of	the quarter
	Yearly backup: 0 💭 First Sunday of	the year



- 21. On the Advanced Settings page, click the **Storage** tab.
- 22. Check the Enable backup file encryption checkbox and select the encryption password that matches the local backup job in the Password drop-down list.
- 23. Click **OK** to close the Advanced Settings window, then click **Next** on the Target page.

Maintenance	Storage	Notifications	Scripts		
Data reduct	ion e inline <mark>d</mark> ata on level:	deduplication	(recommen	ded)	
Auto (rec	ommended)				
Passy	e backup file	encryption		0015	
Passw	vord:				
Creat	ed by LABS	VR3\Administ	rator at 4/1.	/2015 🗸	Add
	and protocold		manade	R. Social and	

24. Select **Direct** for the data transfer method, then click **Next**.

	New Backup Copy Job
Data Transf	er /M data should be transferred from source to target backup repository.
Job Virtual Machines Target	Direct     VM data will be sent directly from source to target repository. This mode is recommended for copying backups on-site, and off-site over a fast connection.     Through built-in WAN accelerators
Data Transfer	source and target sites. This mode provides for significant bandwidth savings.
Schedule	Source WAN accelerator:
Summary	Target WAN accelerator:
	< Previous Next > Finish Cancel



#### 25. Enter your Backup Copy Job schedule and click Create.

	New Backup Copy Job
Schedule Specify when t according to co	his job is allowed to transfer data over the network. Backup copy jobs run continuously, starting data transfers opy interval and/or as the new VM restore points appear.
Job Virtual Machines	This job can transfer data: <ul> <li>Any time (continuously)</li> <li>During the following time periods only:</li> </ul>
Target Data Transfer	All
Schedule	Sunday
Summary	Monday     Image: Constraint of the cons
	< Previous Create Finish Cancel

26. Review the Summary page to ensure that the correct options have been selected, then click **Finish.** 

	New Backup Copy Job
Summary Review the set	tings, and click Finish to save and exit the wizard.
Job Virtual Machines Target Data Transfer Schedule Summary	Summary: Name: eFolder Offsite Target Path: X:VPreload Type: Hyper-V Backup Copy Source items: PFsense Test
	Enable the job when I click Finish
	< Previous Next > Finish Cancel





27. The backup copy job should now begin. If it does not start, select your backup copy job name from the list and click **Sync Now** on the menu bar.

BACKUP C E+ HOME VIEW BACKU	OPY TOOLS P COPY			VEEAM BACKUP A	AND REPLICATIO	N			1 × ?
Sync Active Statistics Report Edit	t Disable Clone Delete Edit								
BACKUP & REPLICATION	Q Type in an object nam	me to search for		×					
▲ ‰ Jobs 編 Backup 裕 Backup Copy	NAME↓	TYPE Hyper-V Back	OBJECTS 1	STATUS Stopped	LAST RESULT Success	NEXT RUN 4/8/2016 10:00:0	TARGET Default Backup Repository Seed Repo		_
<ul> <li>▲ Backups</li> <li>▲ Disk</li> <li>▲ Disk (copy)</li> <li>▲ Backups</li> <li>▲ Success</li> </ul>									
	< Job progress:			11	99%			1 of	> f1VMs
	SUMMARY Duration: Processing rate: Bottleneck:	0:00:43 26 MB/s Source	DATA Processed: Read: Transferred:	261.0 MB (99 261.0 MB 109.1 MB (2.4	STATUS %) Success: Warning x) Errors:	1 ♥ s: 0 0	THROUGHPUT (LAST 5 MIN)		
	NAME STATUS	cess	ACTION ↓ Backup file VM size: 45:	will be encrypted 2.0 MB	ad			DURATIO	N ^
Light HISTORY			Processing I Waiting for	PFsenseTest new restore points	CONNEC	TED TO: LOCALHOST	NER: 116 DAVS REMAINING	0:00:25 0:00:05	⊲m

28. After the backup copy job completes, select your backup copy job name on the list and click **Disable** on the menu bar. This completes the backup of the seed data to your external drive.

副 BACKUP C BACKUP C 日本 HOME VIEW BACKU	COPY TOOLS			VEEAM BACKUP AND F	REPLICATION			- 0	× ?
Sync Active Now Full Job Control Details	it Disable Clone Delet	e							
BACKUP & REPLICATION	Q. Type in an obje	ect name to search for		×					
ا الله Jobs	NAME 4	TYPE	OBJECTS	STATUS	LAST RESULT	NEXT RUN	TARGET		
提 Backup	🔅 eFolder Offsite	Hyper-V Back.	1	Idle		<continuous></continuous>	Seed Repo		
Becaute copy     Becaute copy     Disk     Disk     Disk     Disk     Copy     Last 24 hours     Success									
	<			ш			1		>
	Job progress:			100	)%			1 of 1	VMs
	SUMMARY		DATA		STATUS		THROUGHPUT (LAST 5 MIN)		
BACKUP & REPLICATION	Duration:	0:01:14	Processed:	261.0 MB (100%)	Success:	1			
	Processing rate:	26 MB/s	Read:	261.0 MB	Warnings:	0			
-	Bottleneck:	Source	Transferred:	109.1 MB (2.4x)	Errors:	0	S	peed: 0.0 KB/s	
	NAME S	TATUS Success	ACTION J	ill be encrypted				DURATION	^
FILES			VM size: 452. Changed block	U MB tracking is enabled					
			O Processing Pl	senseTest				0:00:25	≡
»			💙 Waiting for n	ew restore points				0:00:36	
•			() Waiting for th	ne new copy interval	COMMECTED TO	LOCALLIOCT		0:00:24	





29. Disconnect the external drive and contact Technical Support at eFolder by email at <u>VeeamSupport@eFolder.net</u> or call 678-373-0109/1-800-352-0248 to open a ticket before sending your drive.

After the eFolder Data Center has received your drive, they will upload the data from your external drive to your cloud repository and notify you by email when the process is completed.

You may then proceed with the instructions in the next section of this guide entitled, "Access Seed Data."





### Access Seed Data

The following instructions describe how to access the seed data after the eFolder Data Center has preloaded your data.

Wait for notification from eFolder that your preload process has been completed before accessing your data. You may then complete these steps on the source Veeam server:

- 1. Click the **Backup Infrastructure** tab and select the **Backup Repositories** option.
- 2. Select your cloud repository in the list and click **Rescan Repository** on the menu bar.

	S		VEEAM BACKUP AND REI	PLICATION			- 🗆 ×
Add Edit Repository Repository Manage Repository	RY escan pograde tools						2
BACKUP INFRASTRUCTURE	Q Type in an object name to	search for	×				
Backup Proxies	NAME 4	TYPE	HOST	PATH	CAPACITY	FREE	DESCRIPTION
Backup Repositories	Cloud repository 1	Cloud	veeam2.aa.sc.efsclou	\testuser	250.0 GB	250.0 GB	Cloud repository
Scale-out Repositories	Default Backup Repository	Windows	LabSvr3	X:\Backup	2.6 TB	2.5 TB	Created by Veear
Wark Accelerators     Wark Accelerators     Service providers      HoureBackup     Application Groups     Microsoft Hyper-V     Missing updates (1)	tit Seed Repo	Windows	LabSvr3	X:\Preload	2.6 TB	2.5 TB	Created by LABS
BACKUP & REPLICATION							
»	4						15
1 REPOSITORY SELECTED				CONNECTED TO: LO	OCALHOST NFR: 116	DAYS REMAINING	VEEam

3. After the rescan process has completed, click **Close**.

	Syst	em	
lame: action type: nitiated by:	Configuration Database Resyn Configuration Resynchronize LABSVR3\Administrator	Status:         Success           Start time:         4/8/2016 6:56:31 F           End time:         4/8/2016 6:57:31 F	PM PM
Message Starting Enumer	backup repositories synchronization ating backup repositories		Duration
O Process	i backup repository ing cloud repositories for service provider v	veeam2.aa.sc.efscloud.net	0:00:57
Backup 0 addec	repository Cloud repository 1 has been syn d, 1 encrypted, 0 updated, 0 removed, 0 sk	ichronized: ipped	0:00:51
C Backup	repositories synchronization completed sur	ccessfully	
			Close

- 4. Click the **Backup & Replication** tab, then click the **Backups** option.
- 5. Select the **Encrypted** option, then select the backup copy job name in the list, then click **Specify Password** on the menu bar.

BACKUP TOOLS ∃ → HOME ENCRYPTED BACK	UP	VI	EEAM BACKUP AND REP	LICATION		- □ × ?
Specify Password Actions						
BACKUP & REPLICATION	Q Type in an object nam	e to search for	×			
▲ 物 Jobs 細 Backup 描 Backup Copy	NAME 1	BACKUP PATH eFolder Offsite\eFolder Offsi	]			
<ul> <li>Backups</li> <li>Disk</li> <li>Disk (copy)</li> </ul>						
Disk (encrypted)     Disk (encrypted)     Disk (encrypted)     Success						
BACKUP & REPLICATION						
BACKUP INFRASTRUCTURE						
1 OBJECT SELECTED				CONNECTED TO: LOCALHOST	NFR: 116 DAYS REMAINING	veeam

6. Type your encryption password and click **OK**.



BACKUP TOOL	LS CKUP	VEEAM BACKUP AND REPLICATION	- □ ×
Specify Remove Password Actions			
BACKUP & REPLICATION	Q Type in an object r	ame to search for	
⊿ 🦓 Jobs	NAME 🕇	BACKUP PATH	
編 Backup	🖓 eFolder Offsite	Specify Password ×	
		One or more backup files are encrypted. Type in the encryption password for the backup files.     Inave lost the password     Description: Created by LABSVR3V/dministrator at 4/1/2015 4.15     PM.     OK Cancel	
BACKUP & REPLICATION			
FILES			
	»		
1 OBJECT SELECTED		CONNECTED TO: LOCALHOST NFR: 116 D	AYS REMAINING [VEEAM

- 7. Click the **Backup & Replication** tab and select the **Jobs** option. Then, select **Backup Copy**.
- 8. Select the backup copy job name in the list and click **Edit** on the menu bar.

BACKUP C	OPY TOOLS			VEEAM BACKUP AND R	EPLICATION			-		×
Sync: Active Now: Full Job Control	t Disable Clone Delete Edit									*
BACKUP & REPLICATION	Q Type in an object i	name to search for		$\times$						
Jobs	NAME 4	TYPE	OBJECTS	STATUS	LAST RESULT	NEXT RUN	TARGET			
編 Backup	📸 eFolder Offsite	Hyper-V Back.	1	Stopped	Success	<disabled></disabled>	Seed Repo			
La Success	<			ш						>
	SUMMARY Duration: Processing rate:	0:01:14 26 MB/s	DATA Processed: Read:	261.0 MB (100%) 261.0 MB	STATUS Success: Warnings:	1	THROUGHPUT (ALL TIME)	Speed: 13.	.0 MB/	s
BACKUP & REPLICATION	Bottleneck:	Proxy	Transferred:	109.1 MB (2.4x)	Errors:	0				
BACKUP INFRASTRUCTURE     WIRTUAL MACHINES     TAPE INFRASTRUCTURE     FILES     FILES     HISTORY	NAME STAT	US Juccess	ACTION ↓ Changed bloc Processing PF Waiting for ne Vaiting for th Job has been Load: Source Primary bottle	k tracking is enabled isenseTest ew restore points e new copy interval disabled by user LABSVR 76% > Proxy 99% > Net neck: Proxy	3\Administrator work 25% > Targe	t 1%		DURAT 0:00:2 0:00:3 0:01:0	6 5 1	< III
*			🕑 Job finished a	t 4/8/2016 7:06:39 PM						Y
							NFR: 111 DAYS REMAININ	IG VE	eeal	Ш

9. Select your cloud repository from the Backup repository drop-down list and click the **Map backup** link.



Job	Backup repository:	
Virtual Machines	Cloud repository 1 (Cloud repository)	
Target Data Transfer Schedule Summary	249.9 GB free of 250.0 GB      Restore points to keep: 7       Keep the following restore points for archival purposes      Weekly backup: 4      Sunday 22:00      Monthly backup: 0      First Sunday of the month      Quarterly backup: 0      First Sunday of the quarter      Yearly backup: 0      First Sunday of the vear	Schedule
	Read the entire restore point from source backup instead of a Advanced settings include health check and compact schedule, not settings, and automated post-job activity options.	synthesizing it from increments





- 10. Select the backup copy job name and click **OK**.
- 11. Then, click **Finish** on the Edit Backup Copy Job page.

	Edit Backup Copy Job [eFo	lder Offsite]	x
Target Specify	t the target backup repository, amount of most recent restore a man backup functionality to each the backup files	points to keep, and retention policy for full b	ackups. You
Canture Canture	Select Backup	×	
Job	5 - too had a set	[65]	
Virtual Machines	∠ Backup Repositories		Map backup
Target Data Transfer	Cloud repository 1		
Schedule			Schedula
Summary			
		synthesizing it from	increments
		tifications	Advanced
		Finish	Cancel
	• Type in an object name to search for OK	Cancel	





- 12. Click the **Backup & Replication** tab on the left and select the **Jobs** option.
- 13. Select the backup copy job name in the list and click **Disable** to enable the backup copy job.

Sync Active Now Full Job Control Details	Edit								
BACKUP & REPLICATION	Q Type in an object n	ame to search for		$\times$					
. Jobs	NAME 4	TYPE	OBJECTS	STATUS	LAST RESULT	NEXT RUN	TARGET		
📲 Backup	👸 eFolder Offsite	Hyper-V Back	1	Stopped	Success	<disabled></disabled>	Cloud repository 1		
Disk (copy)     Disk (imported)     Cloud     Last 24 hours     Success	4								
BACKUP & REPLICATION	Duration: Processing rate: Bottleneck:	0:01:14 26 MB/s Proxy	DATA Processed: Read: Transferred:	261.0 MB (100%) 261.0 MB 109.1 MB (2.4x)	STATUS Success: Warnings: Errors:	1 0 0	S	peed: 13.0 MB/	Ś
	NAME STAT	US uccess	ACTION 🕹 😋 Changed blo	ck tracking is enabled				DURATION	1
			O Processing P	FsenseTest				0:00:26	
			Waiting for n	ew restore points				0:00:35	1
FILES			Vivariang for ti	disabled by user LAPSU	3\Administrator			0:01:01	
Par HISTORY			I load Source	76% > Proxy 99% > Ne	twork 25% > Tarne	e 1%			-
Ligt matory			Primary bottl	eneck: Proxy					
	» •		O Job finished	at 4/8/2016 7:06:39 PM					
LIOR SELECTED					CONNECTED TO	LOCALHOST	NED-111 DAVE DEMAINING	IVEEA	m

14. Click **Sync Now** on the menu bar.

BACKUP C	COPY TOOLS			VEEAM BACKUP AND F	REPLICATION				× ?
Sync Active Full Job Control Details	it Disable Clone Delete Edit								
BACKUP & REPLICATION	Q Type in an object	name to search for		×					
⊿ ∰s Jobs	NAME 4	TYPE	OBJECTS	STATUS	LAST RESULT	NEXT RUN	TARGET		
4号 Backup	🔅 eFolder Offsite	Hyper-V Back	1	Idle		<continuous></continuous>	Seed Repo		
Backups     Disk     Disk     Disk     Disk     Disk     Disk     Disk     Success									
	<			III 10	196			1.05	> 1 VMs
	SUMMARY		DATA		STATUS		THROUGHPUT (LAST 5 MIN)		
BACKUP & REPLICATION	Duration:	0:01:14	Processed:	261.0 MB (100%)	Success:	1			
	Bottleneck:	26 MB/s Source	Kead: Transferred:	109.1 MB (2.4x)	Warnings: Errors:	0		Speed: 0.0 KB/	/s
	NAME STAT	US uccess	ACTION ↓ Backup file w NM size: 452	nil be encrypted 0 MB				DURATION	N ^
			Changed blo Processing P Waiting for n	ck tracking is enabled FsenseTest ew restore points				0:00:25 0:00:36	=
1 IOR SELECTED			(IF) Waiting for the second	he new copy interval	CONNECTED TO	LOCALHOST	NER: 116 DAYS REMAINING	0:00:24	am

Your backups are now synchronized to the eFolder cloud storage!

If you have any problems during this procedure or notice errors in the log file, please call eFolder Technical Support at **678-373-0109/1-800-352-0248** or submit questions to





VeeamSupport@eFolder.net.





## **VEEAM BACKUP & REPLICATION GUIDE**

Refer to the following sections in the Veeam Backup & Replication Guide to perform various tasks on your eFolder BDR for Veeam: <u>http://www.veeam.com/documentation-guides-datasheets.html</u>

CLOUD REPOSITORY Limitations Backup, Backup Copy, and Restore File Operations

DATA ENCRYPTION AND THROTTLING Console Versions

MANAGING USER ACCOUNTS and DATA Disabling and Enabling User Accounts Deleting User Accounts Quotas Using Cloud Repositories Creating Backup Jobs Creating Backup Copy Jobs Performing Full VM Restore Restoring VM Files Restoring VM Files Restoring VM Guest OS Files Copying Backups from Cloud Repositories Managing Backups Removing from Backups Removing from Disks

If you need support for any of these topics or general questions, contact eFolder Technical Support at **678-373-0109/1-800-352-0248** or submit questions to <u>VeeamSupport@eFolder.net</u>.

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

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





### **FREQUENTLY ASKED QUESTIONS**

#### What kind of licensing do I need?

The local Veeam licensing can be anything. Veeam V8 has Cloud Connect built-in and can replicate to our cloud service.

#### What is the connectivity like?

Our cloud service has several dedicated 10-gigabit Internet connections that are redundantly routed using route-optimized BGP. We do not throttle incoming or outgoing bandwidth in any way. As fast as you can send the data to us, we can receive it.

#### Can I choose which VMs will replicate?

You can choose the VMs that will replicate to our cloud. Keep your local Veeam backup job and create a separate backup copy (new type of job in V8) that efficiently pushes the data for only those VMs you want in our cloud to our cloud.

#### How secure is this service?

The data is client-side encrypted and stored encrypted in our cloud.

#### Can I push data from multiple clients to a single cloud connect instance in our cloud?

The cloud connect server is multi-tenant, so you can send data from multiple clients to the same cloud connect instance in the eFolder cloud.

#### Can the local backups and the remote backups run on different schedules?

The backup copy job can run on a different schedule than the local backup job. For example, it is possible to run the backup copy job only once per day. It efficiently transmits the equivalent of one recovery point per day to our cloud, instead of all recovery points. Also, you can transmit all recovery points.