

## HONEYNET

# Tài liệu cài đặt và hướng dẫn sử dụng phần mềm Veeam Backup & Replication

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### 1. Mô hình thực hiện



• 10 GB (khuyến nghị) cho thư mục bộ nhớ đệm Instant VM Recovery.

### 2.2 Hệ điều hành

Microsoft Windows Server 2012 R2



### 3. Thực hiện cài đặt Veeam Backup & Replication

### 3.1 Cài đặt Veeam Backup & Replication

- Truy cập đường dẫn sau để có thể tải file cài đặt: https://tinhte.vn/thread/download-veeam-backup-replication-9-5-full.3024096/
- Click chon "Download Veeam Backup & Replication 9.5".

#### Kiểm tra dữ liệu và tùy chỉnh cài đặt sao lưu

Bạn có thể khám phá sự phân cấp của nó để xác định máy ảo mà bạn đang tìm kiếm và tạo một bản sao lưu cho nó. Có thể phân tích số liệu thống kê và báo cáo, sao chép công việc sao lưu. Cũng như chỉnh sửa các thuộc tính của chúng khi nói đến nguồn, đích và lịch trình, ngoài thông tin đăng nhập của quản trị viên. VM song song và xử lý đĩa ảo được hỗ trợ.

### Download Veeam Backup & Replication 9.5

Sau khi hoàn tất quá trình tải, thực hiện giải nén và thu được các file sau:

Weeam_Backup_and_Replication_9.5.4.2615	4/22/2019 10:28 PM	File folder	
NOWNTHAGA.COM	3/16/2019 5:21 PM	PNG image	25 KB
🕘 Fanpage	9/3/2019 8:07 PM	Internet Shortcut	1 KB
Read Me First	1/10/2019 1:27 AM	Text Document	1 KB
🔊 Website	9/3/2019 8:07 PM	Internet Shortcut	1 KB

📙 Crack	4/22/2019 10:29 PM	File folder
VeeamBackup&Replication_9.5.4.2615.Update4	1/24/2019 8:00 PM	Disc Image File
<ul> <li>Khơi động file "Setup" để bắt đầu cài đ</li> </ul>	ăt:	
Packages	1/21/2019 10:28 AM	File folder
📙 Plugins	1/21/2019 10:28 AM	File folder
📙 Redistr	1/21/2019 10:28 AM	File folder
🣕 Search	1/21/2019 10:28 AM	File folder
📕 Setup	1/21/2019 10:28 AM	File folder
autorun	1/21/2019 10:28 AM	Setup Informatior
💦 Setup	1/21/2019 10:28 AM	Application 🗸
		<b>`</b>



#### • Giao diện Wizard cài đặt:

Veeam Backup & Replication 9.5 Update 4





•	Chấp nhận các License và chọn "Next":	
	🔃 Veeam Backup & Replication Setup —	$\times$
	License Agreement Please read the following license agreement carefully.	
	Veeam Software ("Veeam") End User Software License Agreement ("EULA")           IMPORTANT - READ CAREFULLY           This EULA is a legally binding agreement between licensee end user ("End User") and Veeam setting forth the terms and conditions governing the use and operation of Veeam's proprietary computer software products (the "Software") and the written technical specifications for the use and operation of the Software (the "Documentation"). Where the sense and context permit, references in this EULA to the Software include the Documentation. By downloading and installing, copying or otherwise using the Software, and/or otherwise accepting this EULA, End User agrees to be bound by the terms and conditions of this EULA. If End User does not agree to or accept the terms of this EULA, End User may not access or use the Software.	
-	<ul> <li>✓ Laccept the terms of the Veeam license agreement</li> <li>✓ Laccept the terms of the 3rd party components license agreements</li> <li>✓ Back Next &gt; Cancel</li> <li>Tiếp tục chọn "Next":</li> </ul>	
	🗟 Veeam Backup & Replication Setup 🦳 🗌	$\times$
	Provide License Provide license file for Veeam Backup & Replication.	闾
	License file for Veeam Backup & Replication: Browse	
	If you don't have a license file, just click Next (the software will operate in Community Edition mode).	
	< Back Next > Cance	I



Tiếp tục chọn "Next":

Veeam Backup & Replication Setup				
<b>ogram features</b> ect the program features you want to be installed.			Ц Ш	2
<ul> <li>Veeam Backup &amp; Replication</li> <li>Veeam Backup Catalog</li> <li>Veeam Backup &amp; Replication Console</li> </ul>	Compo Veean Replic enterp that co and re produc of you and M environ	onent dese n Backup ation is rrise-ready ombines b plication in ct for fast r VMware icrosoft H nments.	cription & / solution /ackup /n a single recovery vSphere yper-V	
stall to: C:\Program Files\Veeam\Backup and Replication\		Br	owse	
< Back	Next >		0 1	
eeam sẽ kiểm tra các Requirements còn thiếu equirements này:	, ta chọn	"Instal	ll" để	cài đặ
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Veeam sẽ kiểm tra các Requirements còn thiếu         Lequirements này:         Veeam Backup & Replication Setup         System Configuration Check         Iease wait while setup is checking your system for potential installation p         Requirement         Microsoft System CLR Types for SQL Server 2014         Microsoft SQL Server 2014 Management Objects         Microsoft Report Viewer Bedistributable 2015	, ta chọn roblems.	"Instal	tus Failed	cài đ × 認
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Veeam sẽ thực hiện cài đặt các Requirements:





Nhấn "Install" để bắt đầu cài đặt:

Configuration settings:		
Installation folder:	C:\Program Files\Veeam\Backup and Replication\	
vPower cache folder:	C:\ProgramData\Veeam\Backup\NfsDatastore	
Guest catalog folder:	C:\VBRCatalog	
Catalog service port:	9393	
Service account:	LOCAL SYSTEM	
Service port:	9392	
Secure connections port:	9401	
SQL Server:	DESKTOP-A60LF70\VEEAMSQL2016	
Database name:	VeeamBackup	
eeam sẽ thực hiện	<b>Back Install Ca</b> I quá trình cài đặt các pack cần thiết:	Cancel
eeam sẽ thực hiện Veeam Backup & Replic	< Back	Cancel
eeam sẽ thực hiện Veeam Backup & Replio I <b>stalling Veeam Bac</b> nis step displays the progres	< Back	Cancel



Sau khi Veeam cài đặt hoàn tất, nhấn "Finish" để kết thúc quá trình cài đặt:

認 Veeam Backup & Replication	n Setup — — X	<
記	Completing Veeam Backup & Replication 9.5 Setup Wizard	
	Installation succeeded.	
	Setup has finished installing Veeam Backup & Replication on your computer.	
VeeaM	Click Finish to exit the wizard.	
	< Back Next > Finish	
Thực hiện kết nối để bắ	ar đầu sử dùng Veeam: ×	
Type in a backup so and user credentia	server name or IP address, backup service port number, als to connect with.	
localhost	✓ 9392	
DESKTOP-A6OLF	70\Honeynet	
Password		
✓ Use Windows s	session authentication	
Save shortcut	Connect	





- 3.2 Tiến hành cài đặt Key Vecam Backup & Replication
  - Click vào menu và chọn "License":



HONEYNET CO. LTD Address: 685 Hung Phu, Ward 9, Dist. 8, HCM City Phone : 1900.299.911 Email: info@honeynet.vn

		T	Upgrade	
		R	Manage Credentials	
		R	Manage Cloud Credentials	
		R	Manage Passwords	$\mathbf{A}$
			General Options	
			Users and Roles	
		8	Network Traffic Rules	$\mathbf{V}$
			Configuration Backup	$\mathbf{N}$
			Console	
			Color Theme	•
		<b>-</b>	License	
			Help 🕨	
• (	Chọn "Install Lice	ense":	NY	
			LICENSE INFORMATION	
	License Instances			
	Status		Valid	Install License
	Expiration date		Never	Report
	Туре		Free	
	Edition		Community Edition	

Yes

Instances

Monitoring

10 (0 used)



### 4. Hướng dẫn sử dụng Veeam Backup & Replication

Veeam cung cấp đến người dùng 02 chức năng chính bao gồm: Backup và Replication.

- Backup Job: sao chép và lưu trữ lại toàn bộ dữ liệu gốc của máy sang một thiết bị lưu trữ khác làm dự phòng. Việc này đảm bảo cho dữ liệu có thể được phục hồi (restore) các dữ liệu bị mất.
- Replication Job: Veeam cho phép tạo ra một máy bản sao của máy gốc (Master Slave) để lưu trữ các dữ liệu tương tự với máy gốc. Các dữ liệu giữa hai máy sẽ được đồng bộ theo lịch trình hoặc cập nhật thủ công.

Phần sau đây sẽ hướng dẫn chi tiết cách thức thực hiện 2 chức năng này.

### 4.1 Backup Job

#### 4.1.1 Add Server

Trước khi thực hiện quá trình Backup, cần phải thực hiện công việc "Add Server" để có thể kết nối tới Server và quản lý các máy cần backup.

 Chọn "Add Server" trên thanh công cụ để bắt đầu thiết lập các thông tin của Server sẽ kết nối:



 Do server dang triển khai dang sử dụng ESXi, chọn Server là "Vmware vSphere" và "vSphere":



#### Add Server

Select the type of a server you want to add to your backup infrastructure. All already registered servers can be found under the Managed Servers node on the Backup Infrastructure tab.

vm	VMware vSphere Adds VMware private cloud infrastructure servers to the inventory.
	Microsoft Hyper-V Adds Microsoft private cloud infrastructure servers to the inventory.
$\bigotimes$	VMware vSphere Select the type of a VMware server you want to add to inventory.
∎ ≣ vm	<b>vSphere</b> Adds vCenter Server (recommended), or standalone vSphere Hypervisor (ESXi) to the inventory.
Diền thô New VMware S Naw Spe	vCloud Director Adds VMware vCloud Director 8.0 or later server to the inventory. ng tin địa chỉ IP hoặc tên DNS của Server:
Name Credentials SSH Connection Summary	DNS name or IP address: 172.22.22.233 Description: Created by DESKTOP-A6OLF70\Honeynet at 8/10/2022 9:06 PM.
Thêm thờ	ông tin chứng thực của server:



New VMware Server			×
Credentials Select server adminis	strator's credentials. If required, specify	additional connection settings including	g web-service port number.
Name Credentials	Select an account with local administ format for domain accounts, or HOS Credentials:	rator privileges on the server you are a T\USER for local accounts.	dding. Use DOMAIN\USER
SSH Connection			~ Add
Summary	Credentials		×
	Username: root		
	Password:	••	
	Description:		
	root		
		ОК	Cancel
Khi hiện lận cảnh	báo nhấn "Continue	,,	
Kin men ten cann	bao, illian Continue		
Certificate Securit	y Alert		$\times$
🔚 An untru	sted certificate is inst	talled on 172.22.22.2	233 and secure
commun	ication cannot be gu	iaranteed.	
Connect	to this server anyway	y?	
Remote certifica	te name mismatch:		
OID.1.2.840.113	549.1.9.2="1639542	412,564d77617265	20496e632e",
CN=localhost.lo	caldomain, E=ssl-cer	tificates@vmware.co	om,
OU=VMware ES	X Server Default Cer	tificate, O="VMware	, Inc", L=Palo
Alto, S=Californi	ia, C=US		
Remote certifica	te chain errors:		
PartialChain (A o	ertificate chain could	not be built to a tru	usted root
authority.)			
View		Continue	Cancel
			(( <b>T</b> ): : 1 ))

Sau khi thêm server thành công, kiểm tra thông tin và chọn "Finish":



ew VMware Server		×
Summary	who configuration information below for future reference	
vm	y the configuration information below for future reference.	
	Summary	
lame	VMware ESXi Server '172.22.22.33' was successfully created.	
redentials	Host info: VMware ESXi 5.5.0 build-3116895	
ummary	User: root	
	Port: 443	
	< Provinue	Novt > Finish Cancel
	< Previous	rinsi Cancel

### 4.1.2 Tạo Backup Job

• Để bắt đầu tạo Backup Job, chọn chức nặng "Backup Job" trên thanh công cụ:





Do nhu cầu cần backup một máy ảo trong server ESXi, chọn option "Virtual machine...". Trong trường hợp máy cần được backup là Windows hoặc Linux sẽ sử dụng các lựa chọn tương ứng:





• Điền thông tin về tên của Job và mô tả thông tin, sau đó chọn "Next" đề tiếp tục:

Name				
Type in a name	and description for this backup job.			
amo	Name:			
	Backup Job 1			
rtual Machines	Description:			
orage	Created by DESKTOP-A6OLF70\Honeynet at	8/11/2022 12:43 AM.		
lest Processing				
chedule				
ummary				
	<	Previous Next >	Finish	Cancel
*				
			,	à 1 1
họn <b>"Add</b>	<sup>7</sup> để thêm có thể lựa chọn cá	c may trong se	rver må	cân backu
				1
ew Backup Job				×
	ines			
Virtual Mach				
Virtual Mach Select virtual r	nachines to process via container, or granularly. Conta	iner provides dynamic selec	tion that autom	natically changes
Virtual Mach Select virtual r as you add ne	nachines to process via container, or granularly. Conta w VM into container.	iner provides dynamic selec	tion that autom	natically changes
Virtual Mach Select virtual r as you add ne	nachines to process via container, or granularly. Conta w VM into container.	iner provides dynamic selec	tion that auton	natically changes
Virtual Mach Select virtual r as you add ne	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup:	iner provides dynamic selec	tion that autom	natically changes
Virtual Mach Select virtual n as you add ne Varne	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup: Name	iner provides dynamic selec	tion that autom	Add
Virtual Mach Select virtual r as you add ne Vame Virtual Machines	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup: Name	Type	tion that autom	Add Remove
Virtual Mach Select virtual r as you add ne Varne Virtual Machines	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup: Name	ner provides dynamic selec	tion that autom	Add Remove
Virtual Mach Select virtual n as you add ne Varne Varne Virtual Machines Storage Suest Processing	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup: Name	Type	Size	Add Remove
Virtual Mach Select virtual r as you add ne Varme Virtual Machines Storage Guest Processing Schedule	nachines to process via container, or granularly. Conta w VM into container. Virtual machines to backup: Name	Type	Size	Add Remove Exclusions



• Chọn máy cần backup:



Sau khi chọn máy cần backup, thông tin của máy sẽ được hiển thị:

□ NhanTH_172.22.22.57 Virtual Mac 1.88 GB	9	Type Size	Name
	B GB	Virtual Mac 1.88 G	🖥 NhanTH_172.22.22.57

New Backup Job



Virtual Machines

Select virtual machines to process via container, or granularly. Container provides dynamic selection that automatically changes as you add new VM into container.

 $\times$ 

Name	Virtual machines to backup:				
Virtual Machines	Name		Туре	Size	Add
virtual machines	ManTH_172.22.22.57		Virtual Mac	1.88 GB	Remove
Storage					
Guest Processing					_
Schedule					Exclusion
Summary					
					• Up
					+ Down
					Recalcula Total size:
					1.88 GB
		< Provious	Nexts		Canco



Một số lựa chọn cho việc lưu trữ file backup:

New Back	up Job		×
- vm	<b>Storage</b> Specify processing p this job and customi:	roxy server to be used for source data retrieval, backup repository to store the backup files pro ze advanced job settings if required.	duced by
Name		Backup proxy:	
Virtual M	lachines	Automatic selection	Choose
Storage	_	Backup repository:	
btoruge		Default Backup Repository (Created by Veeam Backup)	
Guest Pro	ocessing	■ 10.5 GB free of 59.4 GB Map backup	
Schedule Summary	e Y	Restore points to keep on disk: 14 💼 👔	
		Configure secondary destinations for this job	
		Copy backups produced by this job to another backup repository, or to tape. Best practic recommend maintaining at least 2 backups of production data, with one of them being o	es ff-site.

Trong đó, "Backup repository" sẽ là nơi lưu trữ file backup, "Restore points to keep on disk" là số bản backup sẽ được lưu trữ.

• Thiết lập tự động backup theo lịch trình theo ngày, giờ, ...:

Name	Run the job automatically	
Virtual Machines	Daily at this time: 10:00 PM      Everyday	Days
Storage	O Monthly at this time: 10:00 PM 🗣 Fourth 🗸 Saturday 🗸	Months
Storage	O Periodically every: 1 V Hours V	Schedule
Guest Processing	O After this job:	$\sim$
Schedule	Automatic retry	
Summary	Retry failed items processing: 3 🗘 times	
	Wait before each retry attempt for: 10 🗘 minutes	
	Backup window	
	Terminate job if it exceeds allowed backup window	Window
	If the job does not complete within allocated backup window, it will be terminated to prevent snapshot commit during production hours.	



 Kiểm tra một số thông tin, chọn "Run the job when I click finish" để bắt đầu job khi click "Finish". Click "Finish" để bắt đầu:

New Back	dol qu		$\times$	
vm	Summary The job's settings hav	ve been saved successfully. Click Finish to exit the wizard.		
Name Virtual M Storage Guest Pro Schedule Summan	achines ocessing	Summary: Name: Backup Job 1 Target Path: C:\Backup Type: VMware Backup Source items: NhanTH_172.22.22.57 (172.22.22.33) Command line to start the job on backup server: "C:\Program Files\Veeam\Backup and Replication\Backup\Veeam.Backup.Manager.exe" backup a17aa265-a100-4966-b403-cb8dc180458b ITaa265-a100-4966-b403-cb8dc180458b		
		< Previous Next > Finish Cancel		

Thông tin chi tiết về "Backup Job" được thể hiện tại "SESSION TOOLS":

Image: Stop       Stop <th></th> <th>JOLS</th> <th></th> <th></th> <th></th> <th></th> <th>AND REPLICATION</th> <th></th> <th></th> <th></th>		JOLS					AND REPLICATION			
Image: Note of the i	HOME VIEW SESSION     Statistics Report	N								
• ● Jobs	HOME	Q Type in an object	name to search	for ×						
Image: Success       Descup Job 1 (Full)       Backup       O% comple       8/11/2022_         Image: Success	• 🀐 Jobs	JOB NAME	SESSIO	STATUS	START TI 🕹					
• Max 124 Hours             • Manning (1)             • Success             • Boysers:            • MARY             • MARY             • More             • SUMMARY             • DATA             • Status             • More             • More <t< td=""><td>🚛 Backup</td><td>Backup Job 1 (Full)</td><td>Backup</td><td>0% comple</td><td>8/11/2022</td><td></td><td></td><td></td><td></td><td></td></t<>	🚛 Backup	Backup Job 1 (Full)	Backup	0% comple	8/11/2022					
OK         OK         SUCKARY       OK         SUMMARY       DATA       STATUS       THROUGHPUT (LAST 5         SUMMARY       DATA       STATUS       THROUGHPUT (LAST 5         SUMMARY       DATA       STATUS       THROUGHPUT (LAST 5         SUMMARY       DUration:       00.8 (0%)       Success:       0         SUMARE Processing rate:       0 KB/s       Read:       0.0 B       Warning::       0         O Transferred:       0.0 B       Errors::       0	Last 24 Hours									
Job progress:         0%										
NUMMARY         DATA         STATUS         HROUGHPUT (LAST 5           INVENTORY         Duration:         0022         Processed:         0.0 B (0%)         Success:         0										
In NORM         Duration:         0022         Processed:         0.0 B (0%)         Success:         0           VB INVENTORY         Duration:         0022         Processed:         0.0 B (0%)         Success:         0           VB INVENTORY         Processing rate:         0 KB/s         Read:         0.0 B         Warnings:         0           VG TARE INFRASTRUCTURE         Octobened:         Detecting         Transferred:         0.0 B         Errors:         0		Job progress:					0%			0
Backburg INFRASTRUCTURE         Processing rate:         0 KB/s         Read:         0.0 B         Warnings:         0           Gr TAPE INFRASTRUCTURE         Bottleneck:         Detecting         Transferred:         0.0 B         Errors:         0	HOME	Job progress: SUMMARY		D	ATA		0% STATUS		THROUGHPUT (L	0 AST 5
Var STORAGE INHAGS INCLURE © TAPE INHAGS INCLURE Bottlened: Detecting Transferred: 0.0 B Errors: 0	A HOME	Job progress: SUMMARY	00-22	D	ATA	0.0 R (0%)	0% STATUS Success:	0	THROUGHPUT (L	0 AST 5
Fault	HOME	Job progress: SUMMARY Duration: Processing rate:	00:22 0 KB/s	D. Pr Re	ATA 'ocessed: ead:	0.0 B (0%) 0.0 B	0% STATUS Success: Warnings:	0 0	THROUGHPUT (L	0 AST 5



• Khi quá trình backup hoàn thành:

JOB NAME	SESSIO	STATUS	START TI 🕹	END TIME
😺 Backup Job 1 (Full)	Backup	Success	8/11/2022	8/11/2022
🎝 Rescan of Manual	Rescan	Success	8/10/2022	8/10/2022

Bản backup thành công sẽ được lưu trữ tại đường dẫn: "C:\Backup"

### 4.1.3 Restore

Sau khi có được các file backup, nếu người dùng có nhu cầu restore sẽ sử dụng chức năng này để khôi phục lại máy.

Trên thanh công cụ, chọn chức năng "Restore":





• Chọn "Restore from backup":





 Chọn "Instant VM recovery" để tạo máy restore chạy trực tiếp từ file backup trên server Veeam hoặc "Entire VM restore" để tạo một máy restore hoàn toàn mới và đăng ký máy đó với vSphere server:

(	Ś	Restore from Backup Select the type of restore you want to perform.
		Instant VM recovery Instantly recovers a virtual machine by running it directly from the backup file. Remember to finalize the restore by moving the VM to your production storage.
	6	Entire VM restore Restores entire VM to the original or a new location, and registers it with the vSphere infrastructure.
		Virtual disks restore Restores invividual virtual disks to the existing VM.
		VM files restore (VMX, NVRAM) Restores individual VM files to the specified location.
		Restore to Amazon EC2 Restores VM, server or workstation backup to the Amazon EC2 virtual machine.
		Restore to Microsoft Azure Restores VM, server or workstation backup to the Microsoft Azure infrastructure as a service (IaaS) virtual machine.
C	họn f	ile backup đã có được trước đó:

Instant Recovery

#### Virtual Machine



Choose the virtual machine you want to recover.

Virtual Machine	VM	to recover: NhanTH_	172.22.22.57			
Destans Deint	Jo	b name	Last restore poir	Machine	Resto	ore points cou
Restore Point	4	Backup Job 1	8/11/2022 2:	1		
Recovery Mode		Image: Provide the second s	less than a da		2	
Secure Restore						



· Lựa chọn Restore Point muốn restore:





Kiểm tra thông tin và chọn "Restore":



Sau khi quá trình restore hoàn tất, chọn Finish.



### 4.2 Replication Job

- 4.2.1 Add Server
  - Thực hiện tương tự bước Add Server của quá trình Backup Job.

### 4.2.2 Tạo Replication Job

Trên thanh công cụ, chọn chức năng "Replication Job":





• Điền tên cho Replication Job:





Sau khi chọn máy cần replicate, chọn "Next":

Virtual Mac	16.0 GB			Remove Exclusions
				Exclusions.
				Exclusions
				Exclusions Source
				Source
				Source
				+ Un
				◆ Down
				_
				Recalculat
				Total size:
				16.0 GB
	< Previous	Next >	Finish	Cancel
		< Previous	< Previous Next >	< Previous Next > Finish



Điền các thông tin lưu trữ và chọn "Next":

amo	Host or cluster:				
	172.22.22.233				Choose
irtual Machines					
estination	Resource pool:				
b Settings	Resources				Choose
ata Transfer					
uest Processing	MA falder				
chedule	vm				Choose
ummary					
	Datastore:				
	datastore1 (2) [3.4 TB free]				Choose
	Pick datastore for selected	virtual disks			
		< Previou	us Next >	Finish	Cancel
ing cấp suffix	cho máy replicatio	on, số lượng	bản replica	tion và c	họn "Ne
ing cấp suffix	cho máy replicatio	on, số lượng	bản replica	tion và c	họn "Ne
Ing cấp suffix	cho máy replicatio	on, số lượng	bån replica	tion và c	họn " <b>Ne</b> ×
Ing cấp suffix	cho máy replicatio	on, số lượng	bån replica	tion và c	họn " <b>Ne</b> ×
Ing cấp suffix v Replication Job Job Settings Specify backup rep advanced job setti	cho máy replicatio	on, số lượng to host metadata in, re	bån replica	tion và c	họn " <b>Ne</b> ×
Replication Job Job Settings Specify backup rep advanced job settin	cho máy replication	on, số lượng to host metadata in, re	bån replica	tion và c	họn "Ne ×
Areplication Job Job Settings Specify backup rep advanced job settin me	cho máy replication pository located in the source site ngs if required. Repository for replica metad	on, số lượng to host metadata in, re lata:	bån replica	tion và c	họn "N€ ×
Replication Job Job Settings Specify backup rep advanced job settin me tual Machines	cho máy replication pository located in the source site ngs if required. Repository for replica metado Default Backup Repository (	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix Replication Job Job Settings Specify backup rep advanced job settii me tual Machines stination	cho máy replication ository located in the source site ngs if required. Repository for replica metado Default Backup Repository ( 1.767 GB free of 59.4 GB	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix Replication Job Job Settings Specify backup rep advanced job settii me tual Machines stination S Settings	cho máy replication ository located in the source site ags if required. Repository for replica metad Default Backup Repository ( T.67 GB free of 59.4 GB Replica settings	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ar Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination S Settings ta Transfer	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination S Settings ta Transfer est Processing	cho máy replication pository located in the source site ngs if required. Repository for replica metad Default Backup Repository ( 7.67 GB free of 59.4 GB Replica settings Replica name suffix: re Restore points to keep: 7	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix v Replication Job Job Settings Specify backup rep advanced job settion me tual Machines stination o Settings ta Transfer est Processing medule	cho máy replication ository located in the source site ngs if required. Repository for replica metad Default Backup Repository ( 17.67 GB free of 59.4 GB Replica settings Replica name suffix: re Restore points to keep: 7	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "N€ × customize
Ing cấp suffix Replication Job Job Settings Specify backup rep advanced job settin me tual Machines stination Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination o Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix or Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix of v Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination s Settings ta Transfer est Processing nedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix of Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix of v Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination o Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix or v Replication Job Job Settings Specify backup rep advanced job settin me tual Machines stination 5 Settings ta Transfer est Processing hedule mmary	cho máy replication	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize
Ing cấp suffix or r Replication Job Job Settings Specify backup rep advanced job setti me tual Machines stination Settings ta Transfer est Processing hedule mmary	cho máy replication ository located in the source site ngs if required. Repository for replica metad Default Backup Repository ( T.67 GB free of 59.4 GB Replica settings Replica name suffic: r Restore points to keep: 7	on, số lượng to host metadata in, re lata: Created by Veeam Back	bån replica	tion và c	họn "Ne × customize



Lựa chọn hình thức chuyển các file từ máy gốc tới máy replicate và chọn "Next":

Name Virtual Machines Destination	When replicating between remote sites, we highly recommended that you deploy at least one bad	
Destination	proxy server locally in both sites to allow for direct access to storage.	kup
	Automatic selection Choi	ose.
Job Settings	Target proxy:	
Data Transfor	Automatic selection Choo	ose.
	-	
Guest Processing		
Schedule	Direct	
Summary	Best for local and off-site replication over fast links.	
	O Through built-in WAN accelerators	
	Best for off-site replication over slow links due to significant bandwidth savings.	
	Source WAN accelerator:	
	Target WAN accelerator:	
	< Previous Next > Finish Cance	əľ
Guest Processing Choose guest OS p	processing options available for running VMs.	
	Enable application-aware processing	
Name Virtual Machines Destination	Detects and prepares applications for consistent backup, performs transaction logs processing, a configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications	and
Name Virtual Machines Destination Job Settings	Detects and prepares applications for consistent backup, performs transaction logs processing, a configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials	and
Name Virtual Machines Destination Job Settings Data Transfer	Detects and prepares applications for consistent backup, performs transaction logs processing, a configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials	and
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing	Detects and prepares applications for consistent backup, performs transaction logs processing, a configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials           Guest OS credentials          Add	and
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials           Guest OS credentials         Add           Manage accounts         Customize ouest OS credentials for individual items and operating systems	ns
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing Schedule	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Credential	and ns
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing Schedule Summary	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems	and ns
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing Schedule Summary	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Guest interaction proxy: Automatic selection Choose	and ns
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing Schedule Summary	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot.       Application         Customize application handling options for individual items and applications       Application         Guest OS credentials       Add         Manage accounts       Customize guest OS credentials for individual items and operating systems       Credential         Guest interaction proxy:       Automatic selection       Choose	s
Name Virtual Machines Destination Job Settings Data Transfer Guest Processing Schedule Summary	Detects and prepares applications for consistent backup, performs transaction logs processing, i configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual items and applications Guest OS credentials Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customize guest OS credentials for individual items and operating systems Customatic selection Choose Test Nov	and ns



Thiết lập lịch trình cho công việc replication:





Thông tin chi tiết quá trình Replication Job:





### 4.3 Xem danh sách Job

• Tại thanh Menu bên trái, chọn mũi tên:

	в	ACKUP INFRASTRUCTURE		
		ISTORY		
		»		
	1 SERVE	R		
<ul> <li>Lúc này sẽ cho ra một c</li> </ul>	danh s	sách các tab cần hiện, cl	non "HOME":	
		HOME		
	ļ.	INVENTORY		
	<ul> <li>G</li> </ul>	BACKUP INFRASTRUCTURE		
	C	STORAGE INFRASTRUCTURE		
	Ē	TAPE INFRASTRUCTURE		
A	ß	FILES		
	<ul> <li>Image: Construction</li> </ul>	HISTORY		
<ul> <li>Tab HOME sẽ xuất hiệ</li> </ul>	n trên	Menu:		
	Â	HOME		
$\mathbf{\mathbf{x}}$		BACKUP INFRASTRUCTURE		
		HISTORY		
		»		
	1717 C C C C C C C C C C C C C C C C C C		•	



Menu quản lý các Job sẽ nằm trong Tab HOME này:





Chọn "Add…" để có thể thêm mạng:

Name	Encryption	Throttling	Time period	Add
nternet	Enabled	Disabled		Edit
ODS_DirectAdmin	Disabled	3 Mbps	Anytime	
				Remove
				Networks

 Điền các thông tin như tên mạng, dải địa chỉ IP nguồn và đích. Nếu muốn thiết lập giới hạn băng thông, chọn "Throttle network traffic to:"

	Add New Network Traffic Rule X
	Name:
	Source IP address range:
	192 . 168 . 0 . 1 to 192 . 168 . 0 . 255
	Target IP address range:
	192 . 168 . 0 . 1 to 192 . 168 . 0 . 255
	Action:
	Encrypt network traffic
	Throttle network traffic to:
$\mathbf{N}$	OK Cancel

Đặt giá trị băng thông và chọn "OK":

Mbps 🗸	
<ul> <li>All the time</li> </ul>	
$\bigcirc$ During the specified time periods only:	
	 _