

Installation

On lance Installationle Setup puis on clique sur "Install" à gauche.

(important ne pas installer via bing ne marche pas)



On lit et accepte les termes.

Veeam Backup & Replication Setup		<u></u>		×
License Agreement Please read the following license agreement carefully.				別
END USER SOFTWARE LICENSE AGREEMENT ("EI IMPORTANT, PLEASE READ CAREFULLY: THIS E IS A LEGAL AGREEMENT BETWEEN YOU (AS AN "CUSTOMER") AND VEEAM SOFTWARE GROUP (SERVICES, WHICH MAY INCLUDE COMPUTER S DOCUMENTATION ("SOFTWARE"). BY INSTALLIN SOFTWARE OR RECEIVING THE SERVICES, YOU OF THIS EULA. IF YOU DO NOT AGREE WITH TH THE SOFTWARE OR SERVICES.	ULA") END USER LICEN INDIVIDUAL OR F GMBH ("VEEAM"), GOFTWARE AND A NG OR OTHERWI J AGREE TO BE E IE TERMS OF THI	ISE AGREEME ENTITY, "YOU" FOR PRODU SSOCIATED SE USING TH BOUND BY TH S EULA, DO N	ENT "EU " THE CTS ANI E IE TERM IOT USE	LA" D S V
I accept the terms of the 3rd party components license	agreements		Vie	ew
	< Back	Next >	Canc	el
n ajoute la licence pas grave si on en a pas				×
Provide License				記
License file for Veeam Backup & Replication:				
			Browse)
If you don't have a license, just click Next to install the Cor Veeam EULA prohibits using Community Edition to provide not install, configure or manage such servers at your client	mmunity Edition. any services to third 's environment as a	l parties. In parti consultant or an	cular, you MSP.	may

On installe les 3 composants.

🔯 Veeam Backup & Replication Setup	- 🗆 X
Program features Select the program features you want to be installed.	
Veeam Backup & Replication Veeam Backup Catalog Veeam Backup & Replication Console	Component description Veeam Backup & Replication is enterprise-ready solution that combines backup and replication in a single product for fast recovery of your VMware vSphere and Microsoft Hyper-V environments.
Install to: C:\Program Files\Veeam\Backup and Replication\	Browse
< Back	Next > Cancel

Veeam détecte les prérequis. S'ils ne sont pas là, on peut cliquer sur "Install" pour les installer.

影	Veeam Backup & Replication Setup —		\times
\$ V	System Configuration Check erification of your system for potential installation problems.	и Ц	
	Requirement	Status]
	Microsoft System CLR Types for SQL Server 2014	🕄 Failed	
	Microsoft SQL Server 2014 Management Objects	🔀 Failed	
	Microsoft Report Viewer Redistributable 2015	🕄 Failed	
	Microsoft PowerShell v5.1	Passed	
	Microsoft Universal C Runtime	Passed	
	Microsoft .NET Core Runtime 3.1.10	🕄 Failed	
	Microsoft ASP.NET Core Shared Framework 3.1.10	🕄 Failed	
	Your computer does not meet minimum requirements. Click the "Install" button to deploy missing features.	Re-check	
	< Back Next >	Cancel	

😰 Veeam Backup & Replication Setup		· □ X
System Configuration Check Verification of your system for potential installation problems.		
Requirement		Status
Microsoft System CLR Types for SQL Server 2014		Passed
Microsoft SQL Server 2014 Management Objects		Passed
Microsoft Report Viewer Redistributable 2015		Passed
Microsoft PowerShell v5.1		Passed
Microsoft Universal C Runtime		Passed
Microsoft .NET Core Runtime 3.1.10		Passed
Microsoft ASP.NET Core Shared Framework 3.1.10		Passed
	< Back Next >	Re-check Cancel

On peut changer la configuration de Veeam ici. Je laisse par défaut.

ľ	Veeam Backup & Rep	lication Setup	- 🗆	×
l C t	Default Configura Nick Install to deploy Veear he check box below to cus	tion m Backup & Replication with the default configuration settin stomize them on the following wizard steps.	gs, or select	
	Configuration settings:			
	Installation folder:	C:\Program Files\Veeam\Backup and Replication\		^
	Write cache folder:	C:\ProgramData\Veeam\Backup\IRCache		
	Guest catalog folder:	C:\VBRCatalog		
	Catalog service port:	9393		
	Service account:	LOCAL SYSTEM		
	Service port:	9392		
	Secure connections port:	9401		
	SQL Server:	SRV-BACKUP01\VEEAMSQL2016		~
	Let me specify differen	t settings		
		< Back Inst	all Can	icel

Veeam est installe.



On lance la console.



On se connecte.

Veeam Backup & Replication 11 Type in a backup server name or IP address, backup service port number, and user credentials to connect with. localhost 9392
Type in a backup server name or IP address, backup service port number, and user credentials to connect with. localhost
localhost V 9392
SRV-BACKUP01\Administrateur
Password
\checkmark Use Windows session authentication
Save shortcut Close
Backup & Replication 11 Part of Veeam Availability Suite
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Ajout de notre machine

une fois sur veam, on va ajoute notre machine

🛃 Veam sur WIN-FDK - Connexion à un ordinateur virtuel



New Hyper-V Server



Name

Specify DNS name or IP address of Microsoft Hyper-V sen

Name	DNS name or IP address:
	172.16.10.16
Туре	Description:
Credentials	Created by VEAM\Administrateur
Review	
Apply	
Summary	

Edit Hyper-V Server

Type Select the type of se	rver you want to add.
Name Type	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.
Credentials Review	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.
Apply Summary	Microsoft Hyper-V server (standalone) Use this option to register standalone Hyper-V server that is not a part of a cluster, and not managed by SCVMM.
	Activer Windows
Edit Hyper-V Server Credentials Specify server creder	ntials.
Name Type Credentials Review Apply 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:

Edit Hyper-V Server

Review Please revi	ew your settings and click Apply to contir	nue.	
Name	Due to these modifications the	he following components will be installed or ren	noved on the target host:
- Content - Cont	Component name	Status	
Туре	Transport	already exists	
Credentials	Hyper-V Integration	already exists	
Review			
Apply Summary	This Hyper-V server will act a Task limit: 4	s the backup proxy for jobs running in the on-h	ost backup mode.
	After you click Apply missing	components will be installed on the target host	Activer Windo Accédez aux paran Windows.

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Edit Hyper-V Server

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			i

Apply The following servers have been processed.

Name Message Duration 0:00:09 Starting infrastructure item update process Туре Oetecting operating system Credentials Collecting hardware info Registering client Veam for package Transport Review Registering client Veam for package Hyper-V Integration Apply Oiscovering installed packages All required packages have been successfully installed Summary Oetecting OS version Creating configuration database records Collecting disks and volumes info 0:00:26 Server has been saved successfully Activer Wi Accédez aux

on applique

Edit Hyper-V Server		×
You can copy the cor	figuration information below for future reference	<u>.</u>
Name	Summary:	
Type Credentials	Microsoft Hyper-V server '172.16.10.16' was su OS version: Microsoft Windows Server 2022 D User: Administrateur Hardware info:	uccessfully saved. atacenter 64 bits (10.0.20348 build:20348).
Review	Chassis type: Virtual (VMware) Cores count: 8 Components:	
Apply	Hyper-V Integration using port 6163 Installer using port 6160	
Summary	Transport using port 6162	
		Activer Wi
		Accédez aux Windows.
	< Desi	Next > Finish Cancel
Malware Detection Given Virtual Infrastructure Microsoft Hyper-V	 Name ↑ Win-client Win-serv-AD 	Used Size Host 40 GB 172.16.10.16 43,9 GB 172.16.10.16
 Standalone Hosts 172.16.10.16 	Win-Serv-Impress	20,1 GB 172.16.10.16

on vérifie que le serveur apparait bien dans l'inventaire.

Ajout du NAS

172.16.10.17
 172.16.10.18

Maintenant, on va ajouter un serveur pour sauvegarder nos machines, dans notre cas un NAS





pour le NAS, on prend la catégorie Network attached storage

Edit Backup Repository

· · · ·	_	_		
-			-	
-	-	_	-	
-			_	
	_	_	-	
-			-	

Name Type in a name and description for this backup repository.

Name	Name:
Share	Description:
Repository	Created by VEAM\Administrateur at 28/04/2025 14:42.
Mount Server	
Review	
Apply	
Summary	
	Activer Win Accédez aux pa Windows.

Edit Backup Repository

Share

Type in UNC path to share (mapped drives are not supported), specify share access credentials and how backup jobs should write data to this share.

>

Name	Shared folder:	
	\\192.168.4.61\grp7	Browse
Share	Use \\server\folder format	
Repository	This share requires access credentials:	
Mount Server	💦 grp7 (grp7, last edited: 21 days ago)	~ Add
inount perfer	Manage accou	ints
Review	Gateway server:	
Apply	Veam.fym.local	Choose
Summary		
	Ad	tiver Windo
	Ac	cédez aux paran
	Wi	ndows

on enregistre le mot de pass du nas pour que veam y accede

Edit 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: Nigen 2.168.4.61\grp7 Repository Capacity: <Unknown> Mount Server Free space: <Unknown>

Mount Server	Load control
Review	Running too many concurrent tasks against the repository may reduce overall performance, and cause I/O timeouts. Control storage device saturation with the following settings:
Apply	Limit maximum concurrent tasks to:
Summary	☐ Limit read and write data rate to: 1 ▲ MB/s
	Activer Window
	Accédez aux param

Edit Backup Repository

Mount Server

Specify a server to mount backups to when performing advanced restores (file, application item and instant VM recoveries). Instant recoveries require a write cache folder to store changed disk blocks in.

Name	Mount server:	
	Veam.fym.local (Backup server)	Add New
Share	Instant recovery write cache folder:	
Repository	C:\ProgramData\Veeam\Backup\IRCache\	Browse
Mount Server	Ensure that the selected volume has sufficient free disk space to store changed disk bl recovered machines. We recommend placing the write cache folder on an SSD drive.	ocks of instantly
Review	Enable vPower NFS service on the mount server (recommended)	Ports
Apply	Unlocks instant recovery of any backup (physical, virtual or cloud) to a VMware vS vPower NFS service is not used for instant recovery to a Microsoft Hyper-V VM.	phere VM.
Summary		
	Act	iver Window

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🖳 Veam sur WIN-FDK - Connexion à un ordinateur virtuel

Fichier	Action Média Presse-pa	piers Affichage Aide		
記	Edit Backup Repository			×
	Apply Please wait while ba	ckup repository is created and saved in configuration, this may take a few mi	inutes.	
Add Reposito	Name	Message	Duration	
1	Share	Starting infrastructure item update process	0:00:08	
Backup	Share	Solution Contract Con	0:00:01	
bactup	Repository	Registering client Veam for package vPower NFS		
		🛇 Registering client Veam for package Mount Server		
	Mount Server	🛇 Registering client Veam for package VMware VDDK		
	Deview	😎 Registering client Veam for package Veeam Threat Hunter		
- E	Review	Oiscovering installed packages		
	Apply	All required packages have been successfully installed		
2	1460	Otecting server configuration		
⊿ 出9	Summary	Reconfiguring vPower NFS service		
6		Creating configuration database records for installed packages		
		Collecting backup repository info		
4 😭 N		Creating database records for repository	0:00:04	
4 🖪		Backup repository has been saved successfully		
				Activ
				Accéde

on applique et on verifie que ca a fonctioner

Backup Infrastructure	Q Type in an object na	me to search for	×			
Backup Proxies	Name 🕇	Туре	Host	Path	Capacity	Free
Backup Repositories	😼 NAS	SMB	Gateway	\\192.168.4.61\	640 GB	339,1 GB
🔁 External Repositories						

Sauvegarde des donnes sur le NAS

maintenant, on va sauvegarder les machine sur le NAS

н	ome			С) Тур	e in an object name to sea	rch fo	or	
4	Jobs Backup Backups Disk Last 24 Hours Success	▶ ● ● ● ● ●	Backup Replication CDP policy SureBackup Backup copy File copy Add view	•		Virtual machine Windows computer Linux computer Mac computer Unix computer Object storage File share Microsoft Entra ID	•	Backup Backup Backup	Objects 1 1 1

Edit Backup Job Florent

Name



Type in a name and description for this ba

Na <u>m</u> e:
Florent Description:
Created by VEAM
L

Edit Backup Job Florent



Virtual Machines

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

Name	Virtual machines to backup:				
	Name	Туре	Size		
Virtual Machines	172.16.10.18	Host	64,0 GB		
Storage					
Guest Processing					
Schedule					
Summary					

Edit Backup Job Florent



Storage

Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

Name	Backup proxy:	
	Off-host backup (automatic proxy selection)	Choose
Virtual Machines	Backup repository:	
Storage	NAS (Created by VEAM\Administrateur at 28/04/2025 14:42.)	~
Guest Processing	339 GB free of 640 GB	Map backup
Schedule	Retention policy: 7 🗘 days 🗸 🌖	
Summary	Keep certain full backups longer for archival purposes GFS retention policy is not configured	Configure
	Configure secondary destinations for this job	Activer Windo

on choisie le bon serveur de sauvegarde

Edit Backup Job Florent		×
Guest Processing Choose guest OS pr	rocessing options available for running VMs.	
Name Virtual Machines	Enable application-aware processing Detects and prepares applications for consistent backup, performs transaction logs configures the OS to perform required application restore steps upon first boot.	processing, and
in contractines	Customize application handling options for individual machines and applications	Applications
Storage	Enable guest file system indexing and malware detection	ile avstern
Guest Processing	activity and known malware files.	lie system
Schedule	Customize advanced guest file system indexing options for individual machines Guest OS credentials:	Indexing
Summary	Select existing credentials or add new	Add
	Manage accounts	
	Customize guest OS credentials for individual machines and operating systems	Credentials
	Verify network connectivity and credentials for each machine included in the job	Test Now
		Activer
		Accédez
		Windows

on ne coche rien

Edit Backup Job Florent



Schedule

Specify the job scheduling options. If you do not set the schedule, the job will need to be controlled manually.

Name	Run the job automatically	у				
Virtual Machines	Daily at this time:	22:00	On these days 🗸	Days		
Virtual Machines	 Monthly at this time: 	22:00	Fourth 🗸 Saturday 🗸	Months		
Storage	O Periodically every:	1	Hours Y	Schedule		
Guest Processing	O After this job:	Matheo (Crea	ated by VEAM\Administrateur at 29/04/2025	10:03.) 🗸		
Schedule	Automatic retry					
Summany	✓ Retry failed items processing: 3 ↓ times					
Summary	Wait before each retry attempt for: 10 🗘 minutes					
	Backup window					
	Terminate the job out	tside of the allo	wed backup window	Window		
	Long running or accid on your production in	dentally started nfrastructure du	jobs will be terminated to prevent impact uring busy hours.			
				Active		

On choisit tous les x temps les sauvegarde seront effectuer dans notre cas tous les samedis à 22h.

Edit Backup Job Florent Summary You have successfully edited the backup job.

Name	Summary:					
	Configuration has been successfully saved.					
Virtual Machines	Name: Florent					
	Target Path: \\192.168.4.61\grp7					
Storage	Type: Hyper-V Backup					
	Source items:					
Guest Processing	172.16.10.18 (172.16.10.18)					
-	Target repository: NAS					
Schedule	Target repository host: Veam.fym.local					
	Target repository path: \\192.168.4.61\grp7					
Summary						
	PowerShell cmdlet for starting the job:					
	Get-VBRJOD -IVame Florent Start-VBRJOD					
		Activ				
	V Pun the job when I slick Einish	Accéd				
	V Run the job when I click Finish	Windo				
	C Previous Next > Finish	Cancel				

et c'est good.

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Restauration des machines

maintenant on vas voir comment on restore les backup



on choisit les paramètre qu'on veut dans notre cas restore from backup

Restore

Choose whether you want to restore from backup or replica.



Restore from backup

Performs restore from a backup file.



Restore from replica

Performs restore from a replica VM.

entire vm restore



Restore from Backup

Select the type of restore you want to perform.



Entire VM restore Restores the entire VM.



Guest files restore

Restores individual guest files from an image-level backup.



Application items restore

Restores individual application items from an image-level backup.



Database restore

Restores databases to a point in time back to the original or to a different server.

instant recovery



Restore from Backup

Select the type of restore you want to perform.

Instant recovery

Instantly recovers a virtual machine by running it directly from backup. Remember to finalize the restore by moving the VM to your production storage.



Entire VM restore

Restores entire VM to the original or a new location, and registers it with the Hyper-V infrastructure.



VM files restore (VSV, BIN, XML)

Restores individual VM files to the specified location.



Export disk

Exports disk content as a virtual disk file of the selected format.



Publish disk

Instantly publishes backed up disk content to any machine as a new volume. Any changes made to the diskows, content will be discarded when the disk is unpublished.

de l'hyper-v

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Activer Wir

Accédez aux p

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€	Instant Recovery Select the type of restore you want to perform.
	Instant recovery to Microsoft Hyper-V Instantly recovers any image-level backup as a Hyper-V VM by running it directly from a repository. Remember to finalize the restore by moving the VM to your production storage.
VII	Instant recovery to VMware vSphere Instantly recovers any image-level backup as a vSphere VM by running it directly from a repository. Remember to finalize the restore by moving the VM to your production storage.

on choisie les machine

В	ackup Browser				×		\times
	Select object:					ironment	
	Job name	Last restore point	Objects	Restore points			
	Florent	17/05/2025 22:00:20	2				
	GLPI	3 days ago (22:02 sa		3		(s.	
	Veam	3 days ago (22:02 sa		3			
	Matheo	10/05/2025 22:00:23	3				_
	Youssouf	17/05/2025 22:00:20	3			Add	
					-	Point	
						Remove	

Instant Recovery to Microsoft Notice

Machines

Select machines to be restored. You can add individual machines from backup files, or containers from live environment (containers will be automatically expanded to plain list).

Veam sur WIN-FDK

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Machines	Machines to restore:				
Recovery Mode	Q Type in machine name f	or instant looku	IP.		
Reason	Name	Size	Restore point		Add
Summary	GLPI	9,56 GB	3 days ago (22:02 same	di 17/0	Point
Sammary					Remove
					L
		<	Previous Next >	Finish	Cancel
				-	V
Instant Recovery to Microsoft	nter na sul	Veam s	ur WIN-FDK		×××
Recovery Mode					_
Specify the ultimate of	destination for the instantly reco	overed machine			
Machines	Restore to the original k	ecation			
Pasavany Mada	Quickly initiate the restore	Restore to the original location Quickly initiate the restore of selected VM to its original location, with the original name.			
Recovery Mode	Restore to a new location	n or with diff	erent settings		
Keason	Customize the restored VI	M location, and	change its settings. The v	wizard will automatic	ally populate
Summary	all controls with the original VM settings as the defaults.				
			Previous Next >	Finish	Cancel
		<	Next >	rinish	Cancel

on ce qui nous convient le mieux

Instant Recovery to Microsoft	ul ⊕.	Veam sur WIN-FDK	× ×	
You can copy this co	nfiguration information for the future	reference.		
Machines Recovery Mode Reason Summary	Summary: Original machine name: GLPI New machine name: GLPI Restore point: 17/05/2025 22:02:01 Target host: 172.16.10.18 Target folder: E:\ Network mapping: Virtual Switch -> Virtual Switch	ng		A
		< Previous Next >	Finish Cancel	A

on applique et c'est fini

FIN



Backup & Replication[™]