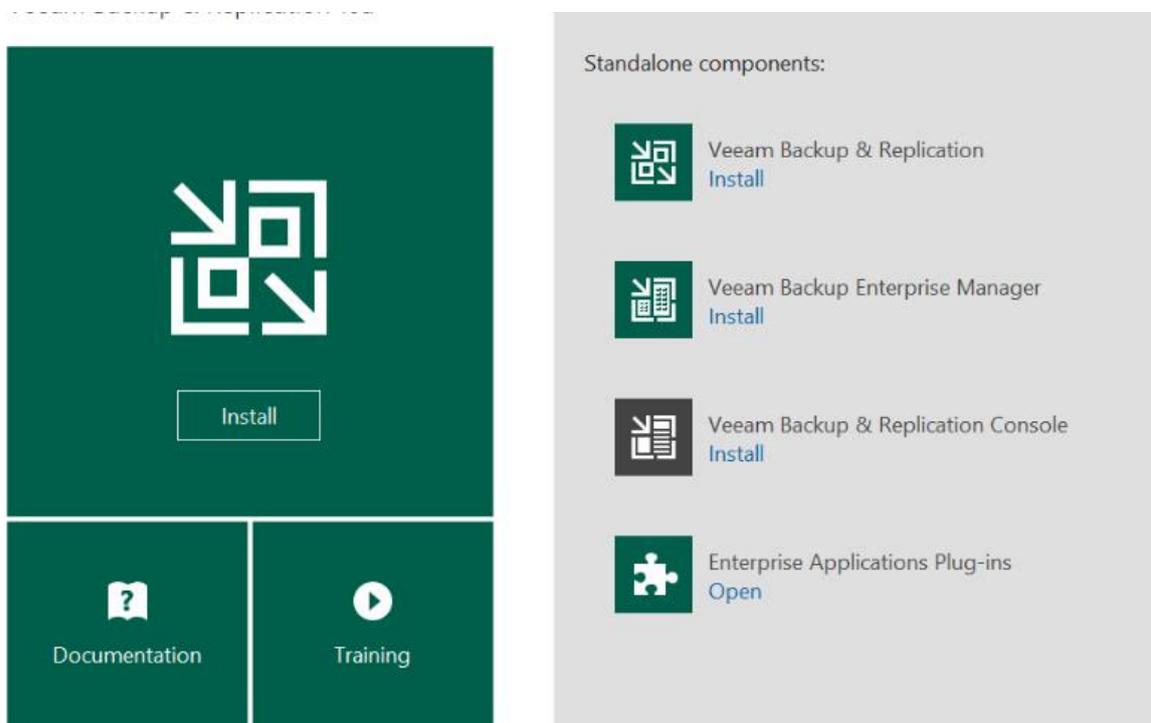




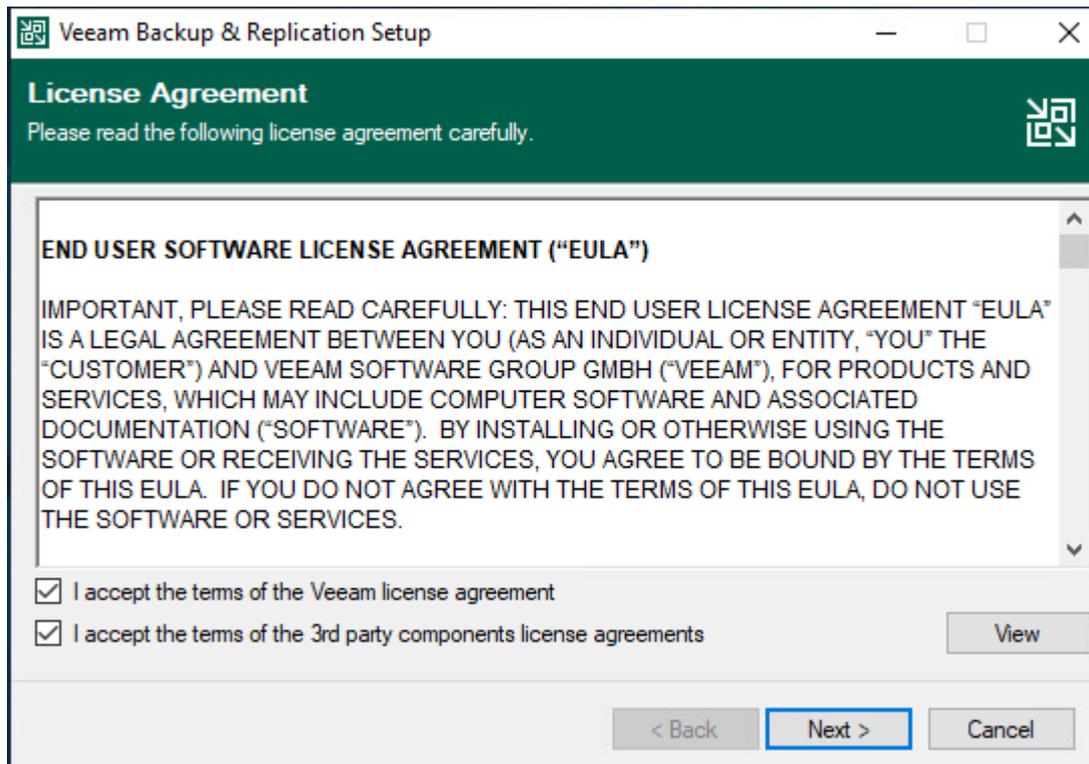
Installation

On lance l'installationle Setup puis on clique sur "Install" à gauche.

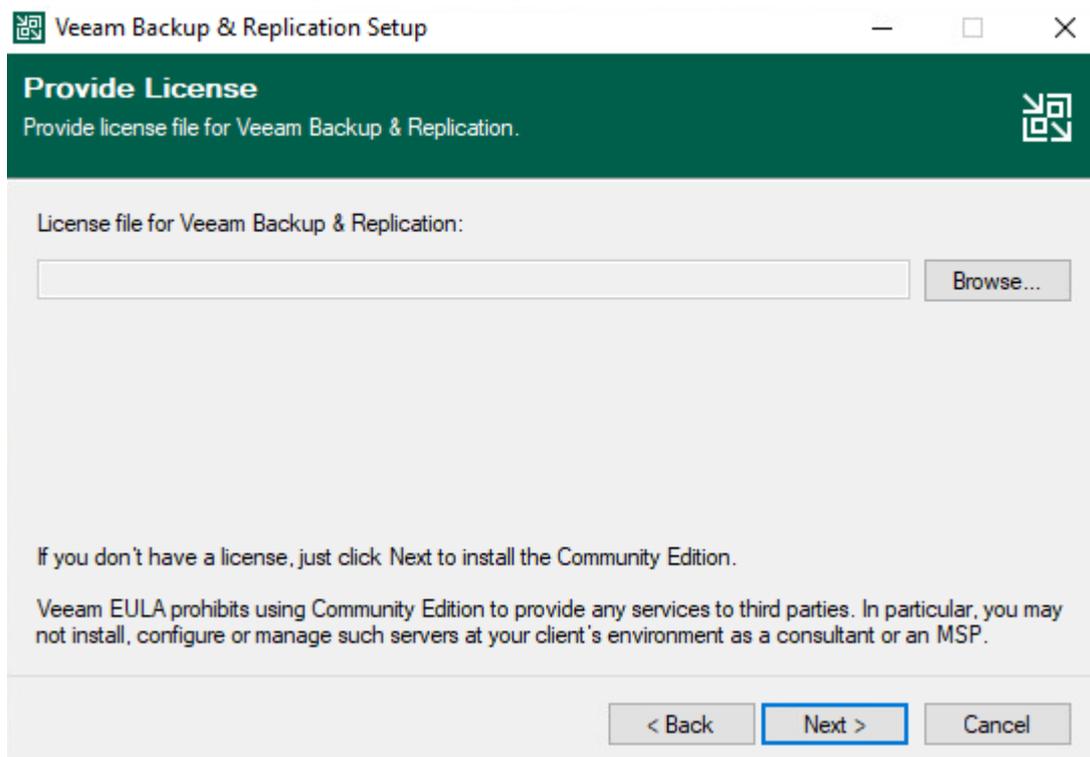
(important ne pas installer via bing ne marche pas)



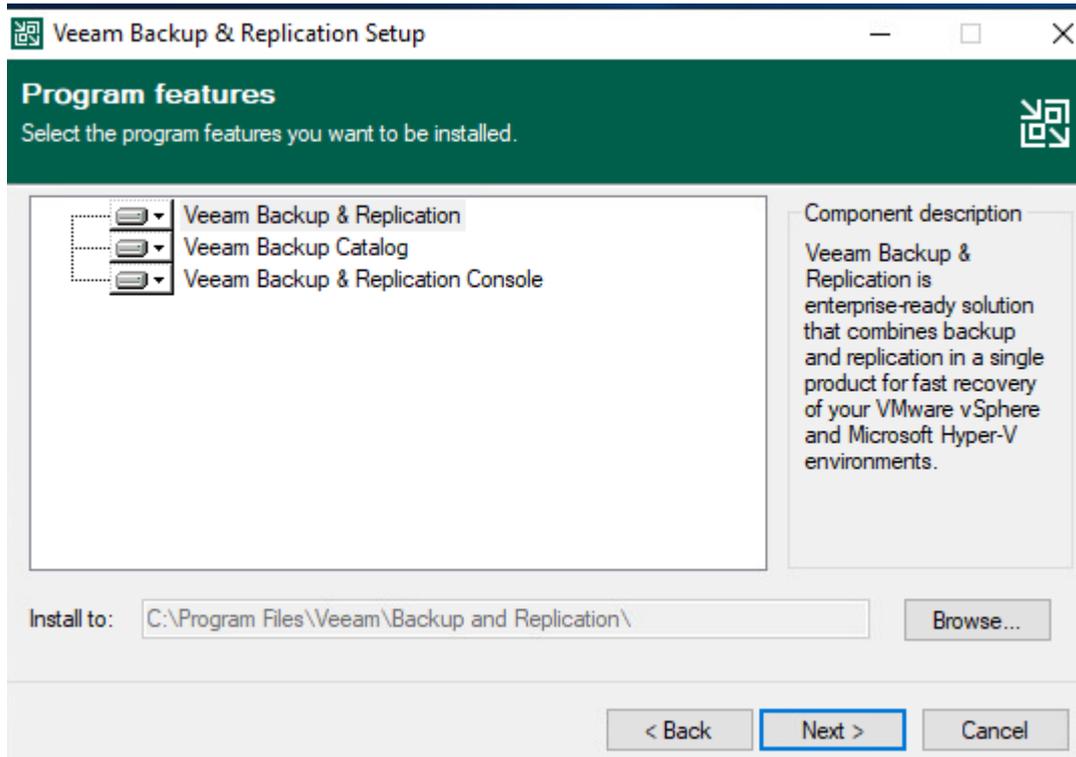
On lit et accepte les termes.



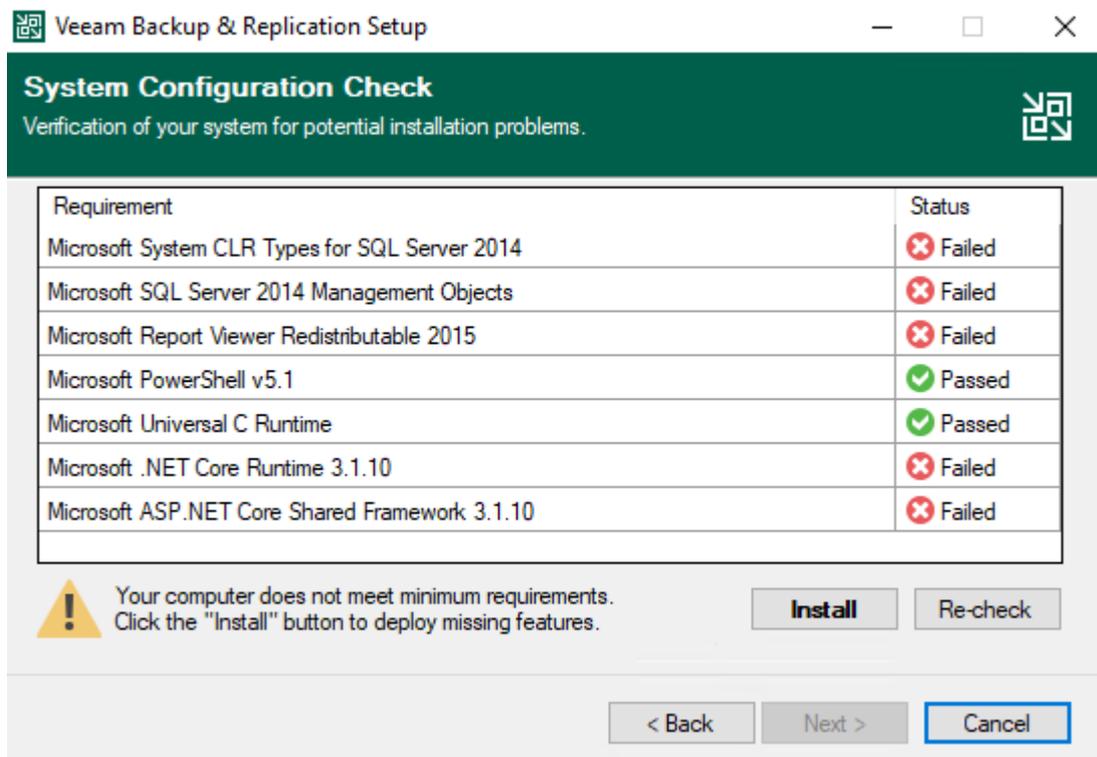
On ajoute la licence pas grave si on en a pas..

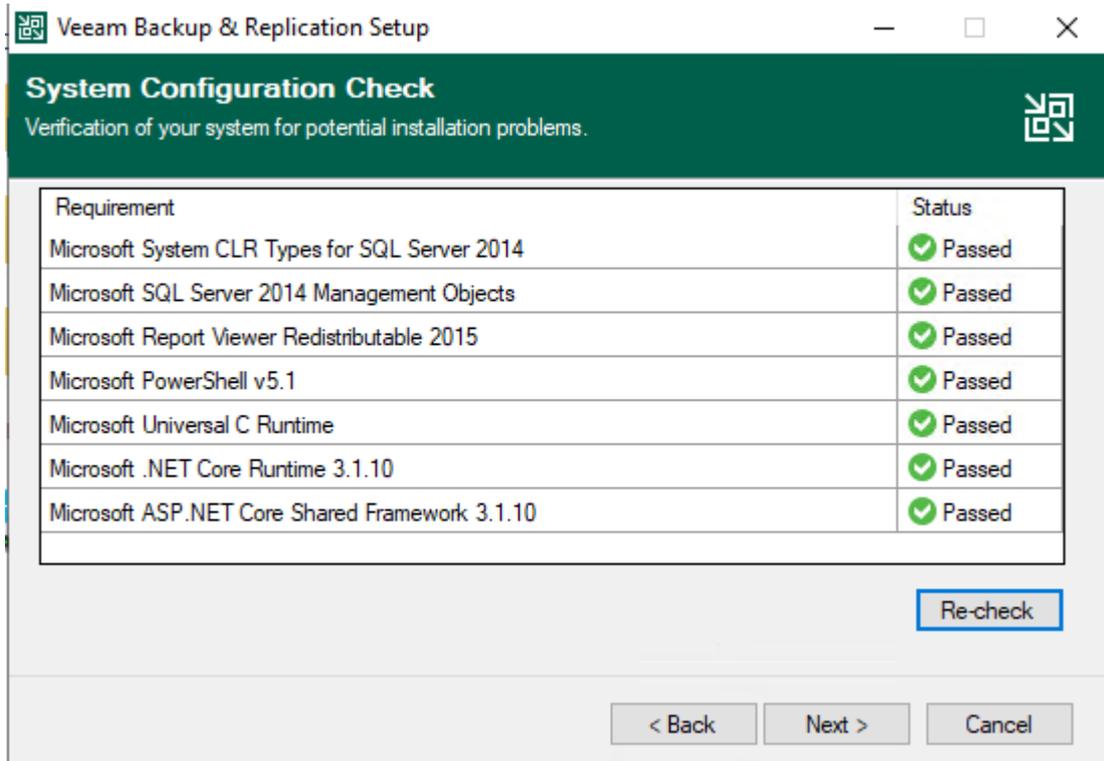


On installe les 3 composants.

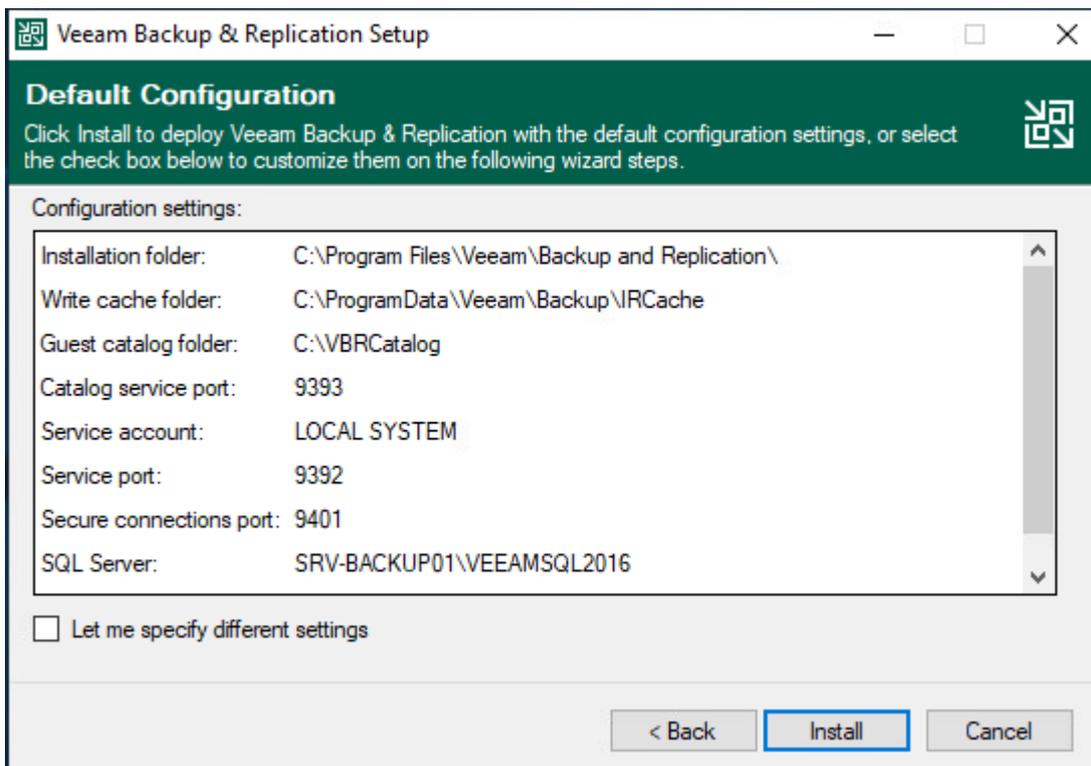


Veeam détecte les prérequis. S'ils ne sont pas là, on peut cliquer sur "Install" pour les installer.

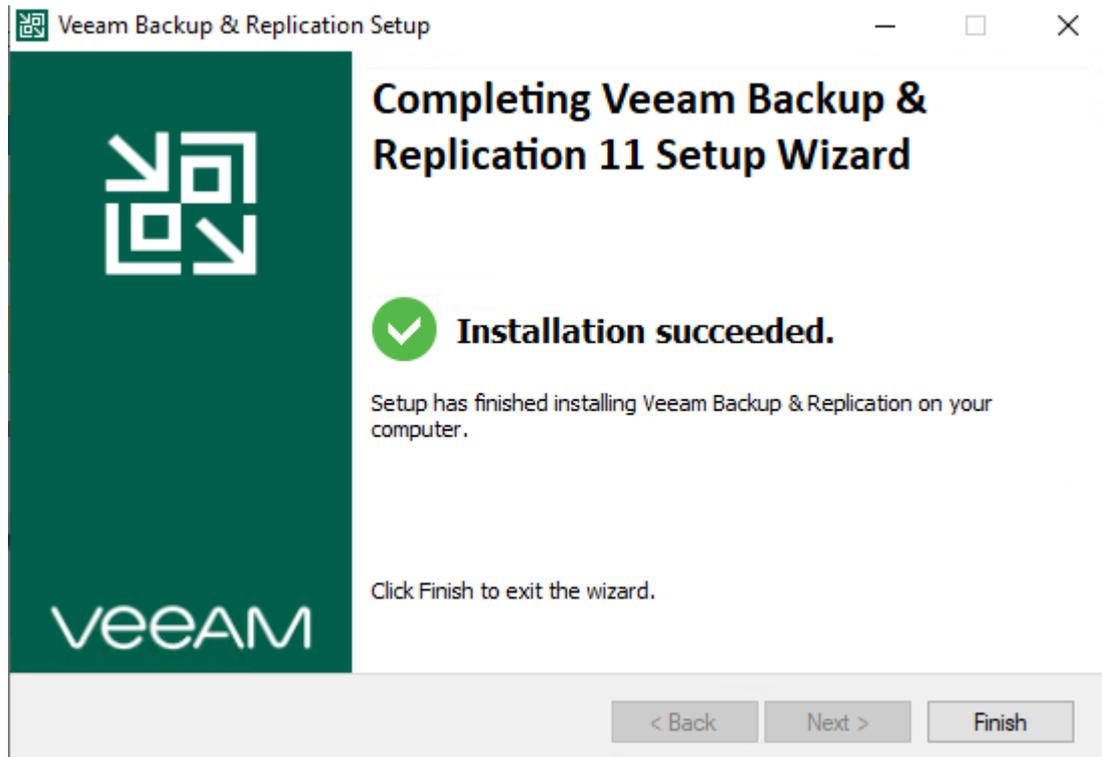




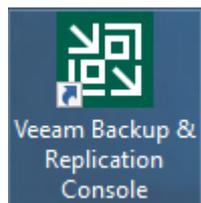
On peut changer la configuration de Veeam ici. Je laisse par défaut.



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.

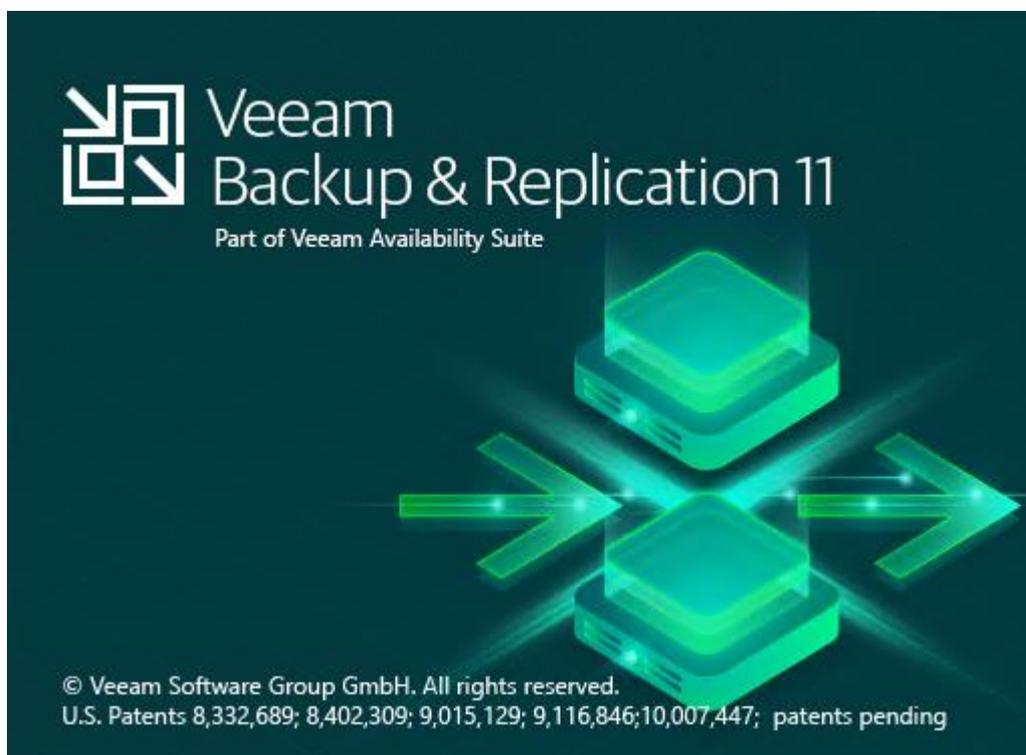
localhost

SRV-BACKUP01\Administrateur

Password

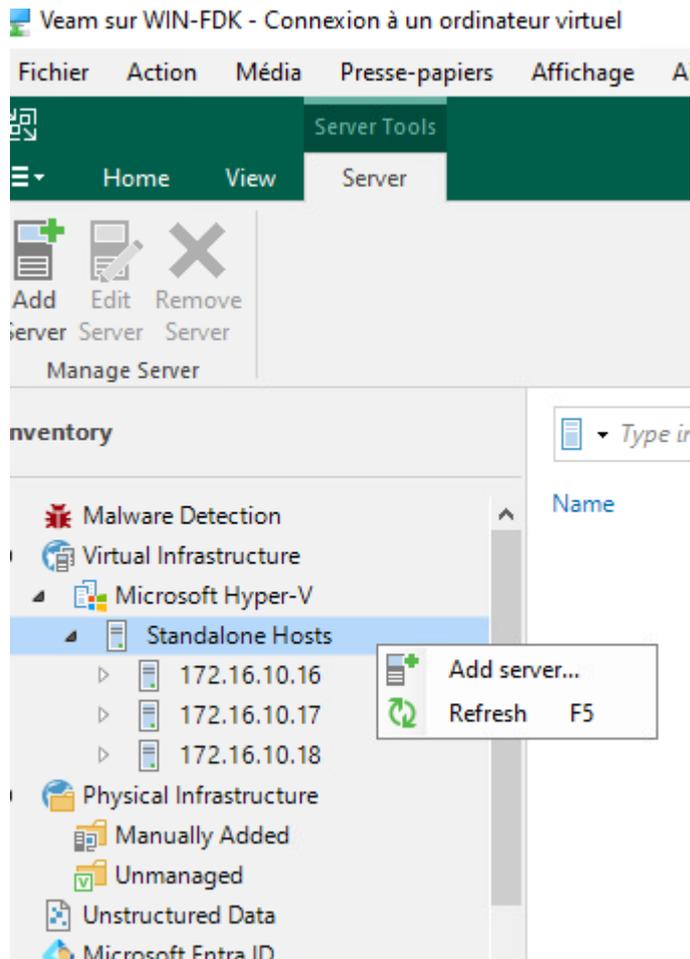
Use Windows session authentication

[Save shortcut](#)



Ajout de notre machine

une fois sur veam, on va ajoute notre machine



New Hyper-V Server



Name

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

Name	DNS name or IP address: <input type="text" value="172.16.10.16"/>
Type	Description: <input type="text" value="Created by VEAM\Administrateur"/>
Credentials	
Review	
Apply	
Summary	

Edit Hyper-V Server



Type

Select the type of server you want to add.

Name	<input type="radio"/> 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.
Type	
Credentials	
Review	
Apply	
Summary	

Activer Windows
Accédez aux paramètres
Windows.

Edit Hyper-V Server



Credentials

Specify server credentials.

Name	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: <input type="text" value="Administrateur (Administrateur, last edited: 21 days ago)"/> <input type="button" value="Add..."/> Manage accounts
Type	
Credentials	
Review	
Apply	
Summary	

Edit Hyper-V Server



Review

Please review your settings and click Apply to continue.

Name	Due to these modifications the following components will be installed or removed on the target host:
Type	Component name Status
Credentials	Transport already exists
Review	Hyper-V Integration already exists
Apply	This Hyper-V server will act as the backup proxy for jobs running in the on-host backup mode.
Summary	Task limit: 4

After you click Apply missing components will be installed on the target host.

Active Window
Accédez aux paramètres
Windows.

< Previous Apply Finish Cancel

Edit Hyper-V Server



Apply

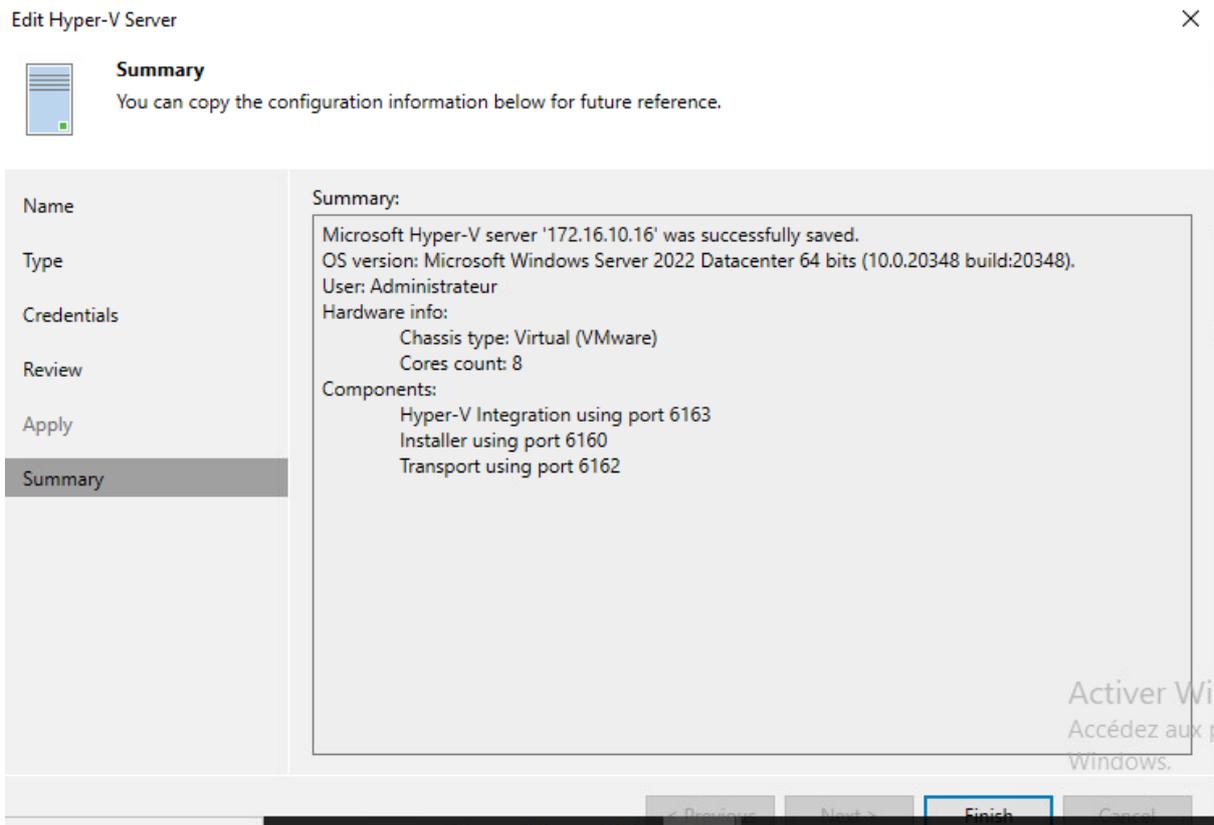
The following servers have been processed.

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

Active Window
Accédez aux paramètres
Windows.

< Previous Next > Finish Cancel

on applique

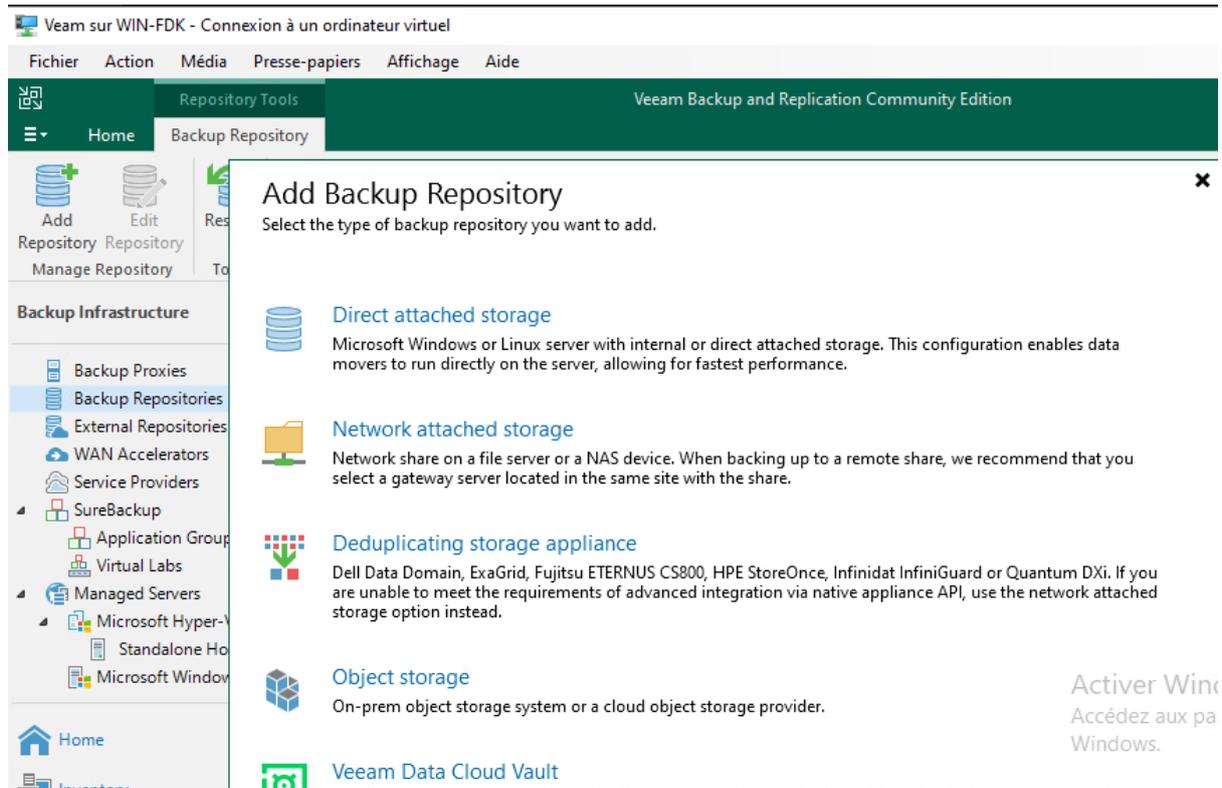
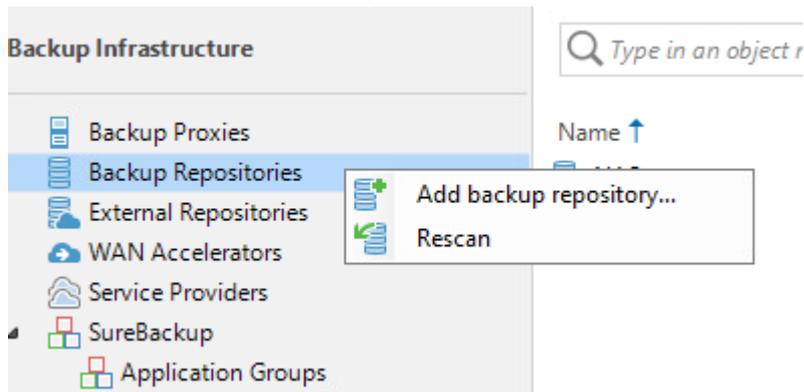


Name ↑	Used Size	Host
Win-client	40 GB	172.16.10.16
Win-serv-AD	43,9 GB	172.16.10.16
Win-Serv-Impress	20,1 GB	172.16.10.16

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

Ajout du NAS

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: <input type="text" value="NAS"/>
Share	Description: <input type="text" value="Created by VEAM\Administrateur at 28/04/2025 14:42."/>
Repository	
Mount Server	
Review	
Apply	
Summary	

Activer Windows
Accédez aux paramètres 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: <input type="text" value="\\192.168.4.61\grp7"/> <input type="button" value="Browse..."/>
Share	<i>Use \\server\folder format</i>
Repository	<input checked="" type="checkbox"/> This share requires access credentials: <input type="text" value="grp7 (grp7, last edited: 21 days ago)"/> <input type="button" value="Add..."/>
Mount Server	Manage accounts
Review	Gateway server: <input type="text" value="Veam.fym.local"/> <input type="button" value="Choose..."/>
Apply	
Summary	

Activer Windows
Accédez aux paramètres Windows.

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



Repository

Type in path to the folder where backup files should be stored, and set repository load control options.

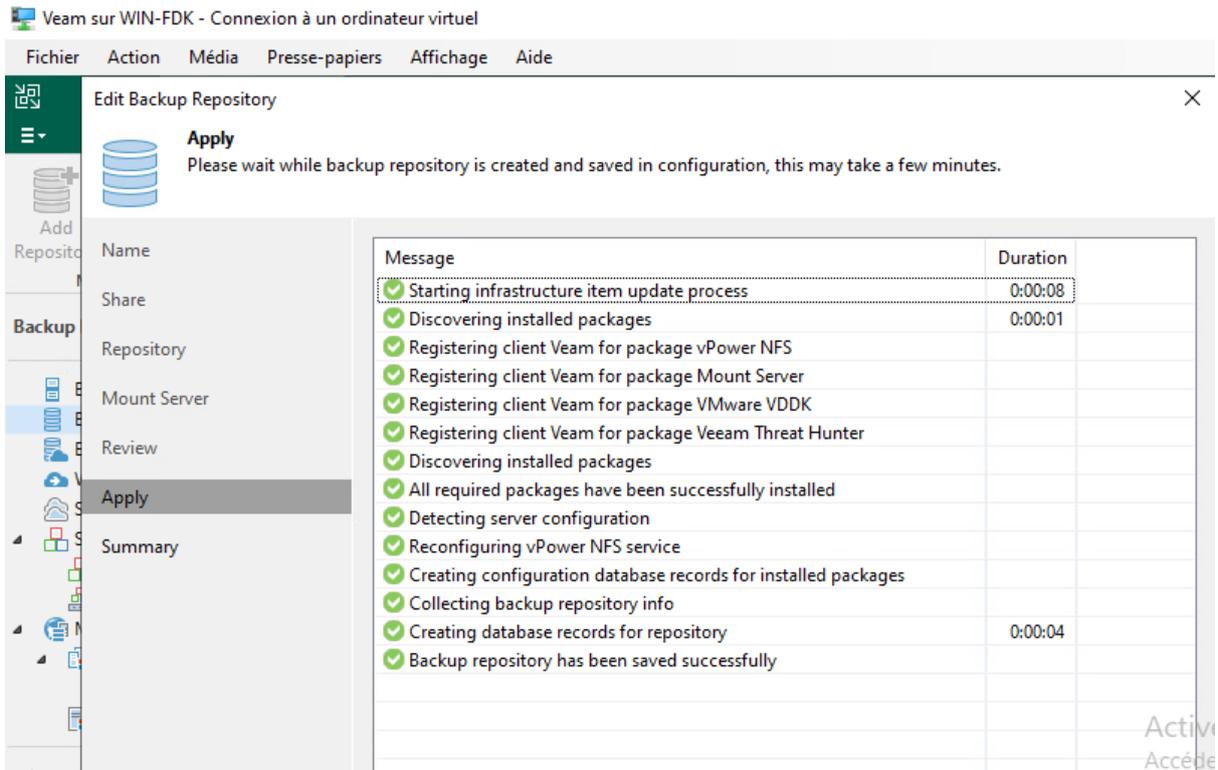
Name	Location
Share	Path to folder: <input type="text" value="\\192.168.4.61\grp7"/>
Repository	Capacity: <Unknown> Populate Free space: <Unknown>
Mount Server	Load control
Review	Running too many concurrent tasks against the repository may reduce overall performance, and cause I/O timeouts. Control storage device saturation with the following settings:
Apply	<input checked="" type="checkbox"/> Limit maximum concurrent tasks to: <input type="text" value="4"/>
Summary	<input type="checkbox"/> Limit read and write data rate to: <input type="text" value="1"/> MB/s



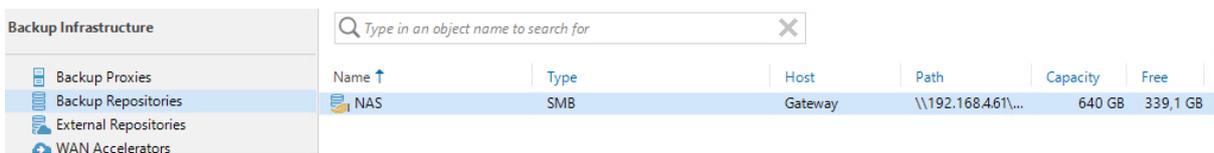
Mount Server

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:
Share	<input type="text" value="Veam.fym.local (Backup server)"/> Add New...
Repository	Instant recovery write cache folder: <input type="text" value="C:\ProgramData\Veeam\Backup\IRCach\"/> Browse...
Mount Server	Ensure that the selected volume has sufficient free disk space to store changed disk blocks of instantly recovered machines. We recommend placing the write cache folder on an SSD drive.
Review	<input checked="" type="checkbox"/> Enable vPower NFS service on the mount server (recommended) Ports...
Apply	Unlocks instant recovery of any backup (physical, virtual or cloud) to a VMware vSphere VM. vPower NFS service is not used for instant recovery to a Microsoft Hyper-V VM.
Summary	

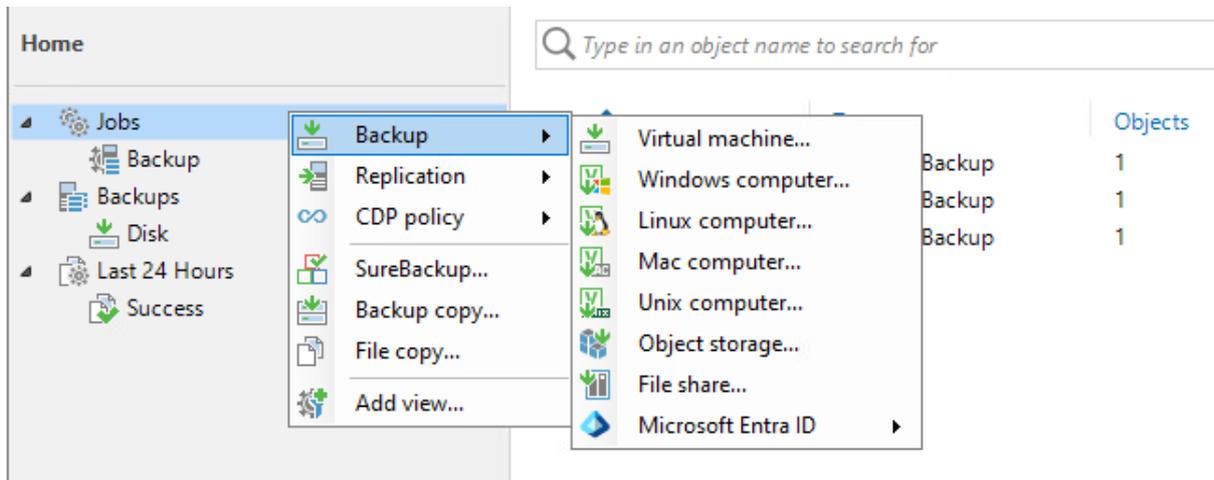


on applique et on verifie que ca a fonctionner



Sauvegarde des données sur le NAS

maintenant, on va sauvegarder les machine sur le NAS



Edit Backup Job Florent



Name

Type in a name and description for this b:

Name	Name:
Virtual Machines	<input type="text" value="Florent"/>
Storage	Description:
Guest Processing	<input type="text" value="Created by VEAM"/>
Schedule	
Summary	

Edit Backup Job Florent



Virtual Machines

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

Name	Virtual machines to backup:		
Virtual Machines	Name	Type	Size
Storage	<input type="checkbox"/> 172.16.10.18	Host	64,0 GB
Guest Processing			
Schedule			
Summary			



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: NAS (Created by VEAM\Administrateur at 28/04/2025 14:42.) ▼
Storage	339 GB free of 640 GB Map backup
Guest Processing	Retention policy: <input type="text" value="7"/> days !
Schedule	<input type="checkbox"/> Keep certain full backups longer for archival purposes GFS retention policy is not configured Configure...
Summary	<input type="checkbox"/> Configure secondary destinations for this job

on choisie le bon serveur de sauvegarde



Guest Processing

Choose guest OS processing options available for running VMs.

Name	<input type="checkbox"/> Enable application-aware processing Detects and prepares applications for consistent backup, performs transaction logs processing, and configures the OS to perform required application restore steps upon first boot. Customize application handling options for individual machines and applications Applications...
Virtual Machines	<input type="checkbox"/> Enable guest file system indexing and malware detection Indexing enables global file search functionality, automatic detection of suspicious file system activity and known malware files. Customize advanced guest file system indexing options for individual machines Indexing...
Storage	Guest OS credentials: <input type="text" value="Select existing credentials or add new"/> ▼ Add... Manage accounts
Guest Processing	Customize guest OS credentials for individual machines and operating systems Credentials...
Schedule	Verify network connectivity and credentials for each machine included in the job Test Now
Summary	

on ne coche rien



Schedule

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

Name	<input checked="" type="checkbox"/> Run the job automatically
Virtual Machines	<input checked="" type="radio"/> Daily at this time: 22:00 <input type="button" value="↑"/> <input type="button" value="↓"/> On these days: On these days <input type="button" value="v"/> Days...
Storage	<input type="radio"/> Monthly at this time: 22:00 <input type="button" value="↑"/> <input type="button" value="↓"/> Fourth <input type="button" value="v"/> Saturday <input type="button" value="v"/> Months...
Guest Processing	<input type="radio"/> Periodically every: 1 <input type="button" value="v"/> Hours <input type="button" value="v"/> Schedule...
Schedule	<input type="radio"/> After this job: Matheo (Created by VEAM\Administrateur at 29/04/2025 10:03.) <input type="button" value="v"/>
Summary	Automatic retry <input checked="" type="checkbox"/> Retry failed items processing: 3 <input type="button" value="↑"/> <input type="button" value="↓"/> times Wait before each retry attempt for: 10 <input type="button" value="↑"/> <input type="button" value="↓"/> minutes Backup window <input type="checkbox"/> Terminate the job outside of the allowed backup window <input type="button" value="Window..."/> Long running or accidentally started jobs will be terminated to prevent impact on your production infrastructure during busy hours.

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



Summary

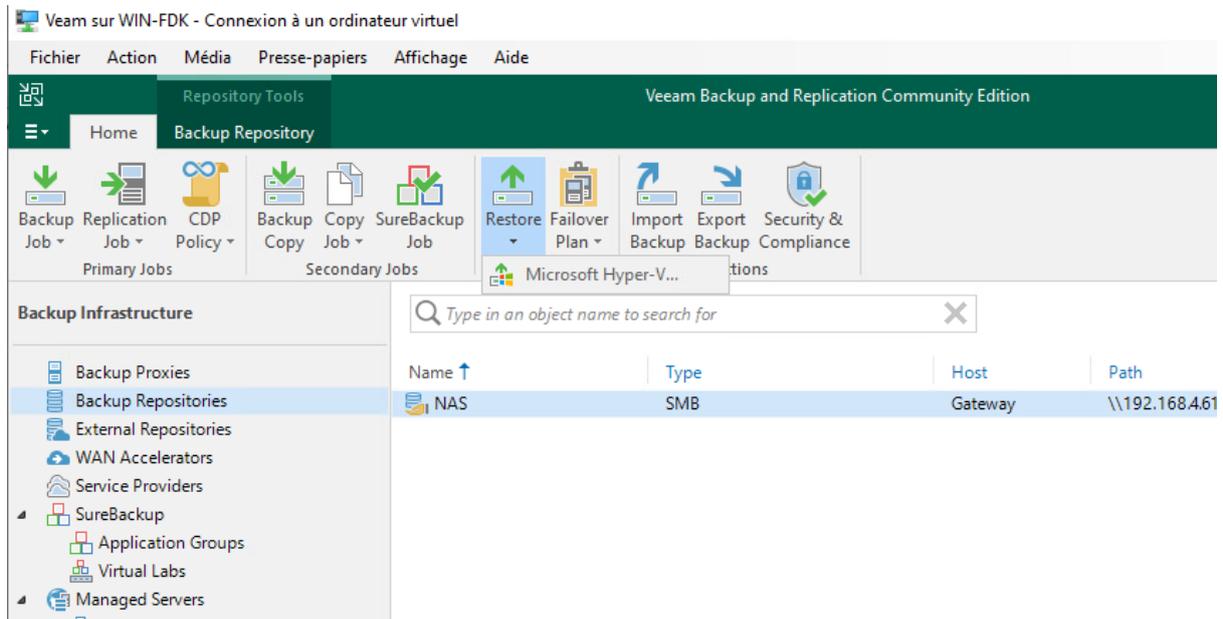
You have successfully edited the backup job.

Name	Summary:
Virtual Machines	Configuration has been successfully saved.
Storage	Name: Florent
Guest Processing	Target Path: \\192.168.4.61\grp7
Schedule	Type: Hyper-V Backup
Summary	Source items: 172.16.10.18 (172.16.10.18)
	Target repository: NAS
	Target repository host: Veam.fym.local
	Target repository path: \\192.168.4.61\grp7
	PowerShell cmdlet for starting the job: Get-VBRJob -Name "Florent" Start-VBRJob
	<input checked="" type="checkbox"/> Run the job when I click Finish

et c'est good.

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.

Navigation icons

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 disk content will be discarded when the disk is unpublished.

Activer Wir

Accédez aux p

the disk

the disk

de l'hyper-v



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.



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

Backup Browser

Select object:

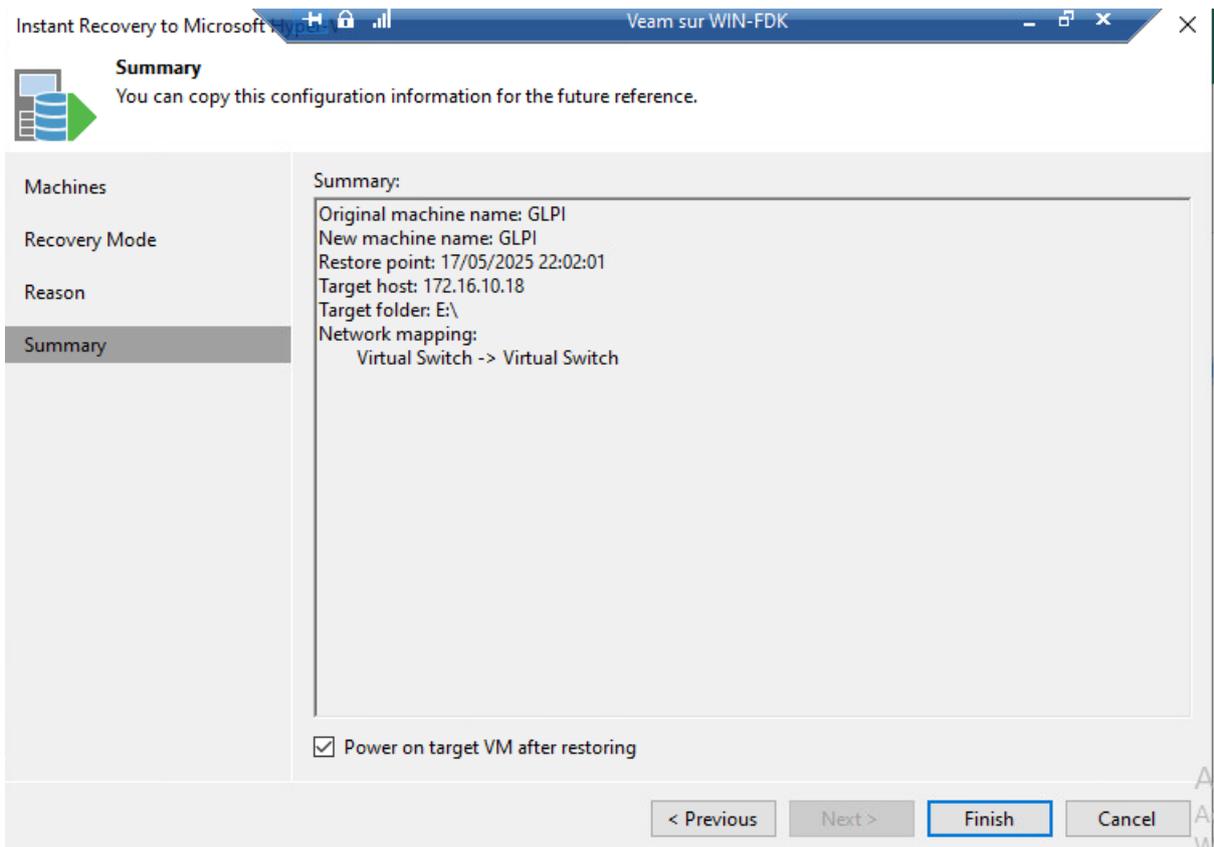
Job name	Last restore point	Objects	Restore points
▲ Florent	17/05/2025 22:00:20	2	
GLPI	3 days ago (22:02 sa...		3
Veam	3 days ago (22:02 sa...		3
▶ Matheo	10/05/2025 22:00:23	3	
▶ Youssouf	17/05/2025 22:00:20	3	

environment

Add...

Point...

Remove



on applique et c'est fini

FIN

