

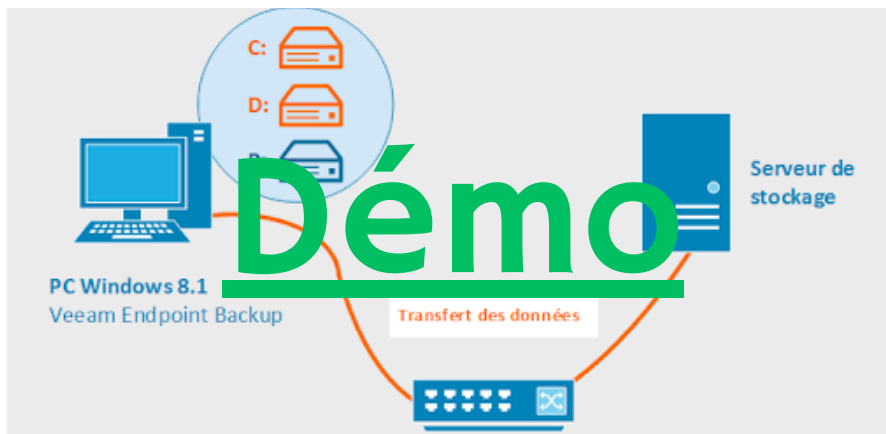
Mettre en
place un
serveur de
sauvegarde

Veeam Backup
& Replication **v11**



Bachelor AIS année 2025
institut IMIE LEVALLOIS

“jude chryst d. Poumina
M.”




Installation et
Configuration

- ISO de VEEAM BACKUP téléchargé <https://www.veeam.com/fr/products/free/backup-recovery.html>

Prérequis:

- Une VM à **2 CPU minimum**
- Memory **2 GB minimum**
- 2 Disc dur **100 GB / 250 GB**
- Inscription dans le domaine **webecheck.lan**
- Création d'un compte de domaine nommé **svc-veeam** via le serveur Active Directory, destiné à l'utilisation et à la gestion des services liés à VEEAM. Ce compte sera ensuite ajouté au groupe **Administrateurs** du serveur VEEAM pour lui attribuer les droits nécessaires à l'administration et au bon fonctionnement des services VEEAM.

 SVG-Serveur


[Power on this virtual machine](#)
[Edit virtual machine settings](#)


▼ Devices


Memory	2.6 GB
Processors	2
Hard Disk (NVMe)	<u>200 GB</u>
Hard Disk 2 (NVMe)	<u>250 GB</u>
CD/DVD (SATA)	Using file D:\EC...
Network Adapter	<u>NAT</u>
USB Controller	Present
Sound Card	Auto detect
Printer	Present
Display	Auto detect


▼ Description
Type here to enter a description of this virtual


1. Ajouter le rôle AD DS pour le domaine, donner un nom à l'ordinateur et une mettre une adresse IP


 Gestionnaire de serveur ▸ Serveur local


 Tableau de bord

 **Serveur local**

 Tous les serveurs

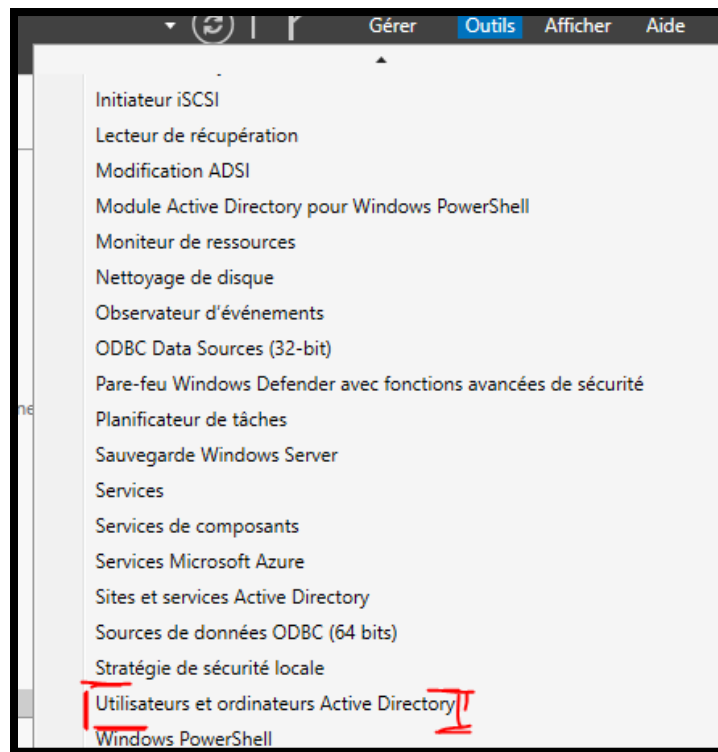
 AD DS

 DNS

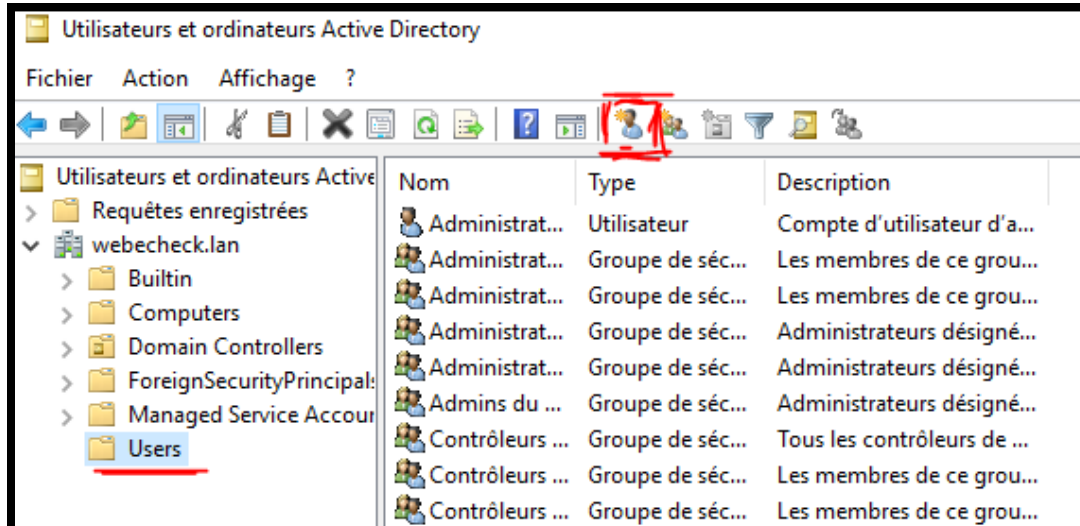
 Services de fichiers et d... ▸

PROPRIÉTÉS
Pour svc-veeam

Nom de l'ordinateur	<u>svc-veeam</u>
Domaine	<u>webecheck.lan</u>
Pare-feu Windows Defender	Public : Actif
Gestion à distance	Activé
Bureau à distance	Désactivé
Association de cartes réseau	Désactivé
Ethernet1	<u>192.168.8.130</u>
Version du système d'exploitation	Microsoft Windows Server 2019 Datacenter
Informations sur le matériel	VMware, Inc. VMware Virtual Platform



1. Création d'un compte de domaine svc-veeam (serveur Active Directory) et ajout de ce compte au groupe des administrateurs du serveur VEEAM.



Nouvel objet - Utilisateur

Créer dans : webecheck.lan/Users

Prénom : svc-veeam Initiales :

Nom :

Nom complet : svc-veeam

Nom d'ouverture de session de l'utilisateur :
svc-veeam| @webecheck.lan

Nom d'ouverture de session de l'utilisateur (antérieur à Windows 2000) :
WEBECHECK\ svc-veeam

< Précédent Suivant > Annuler

Nouvel objet - Utilisateur

Créer dans : webecheck.lan/Users

Mot de passe :

Confirmer le mot de passe :

☐ L'utilisateur doit changer le mot de passe à la prochaine ouverture de session

☒ L'utilisateur ne peut pas changer de mot de passe

☒ Le mot de passe n'expire jamais

☐ Le compte est désactivé

< Précédent Suivant > Annuler

Propriétés de : svc-veeam

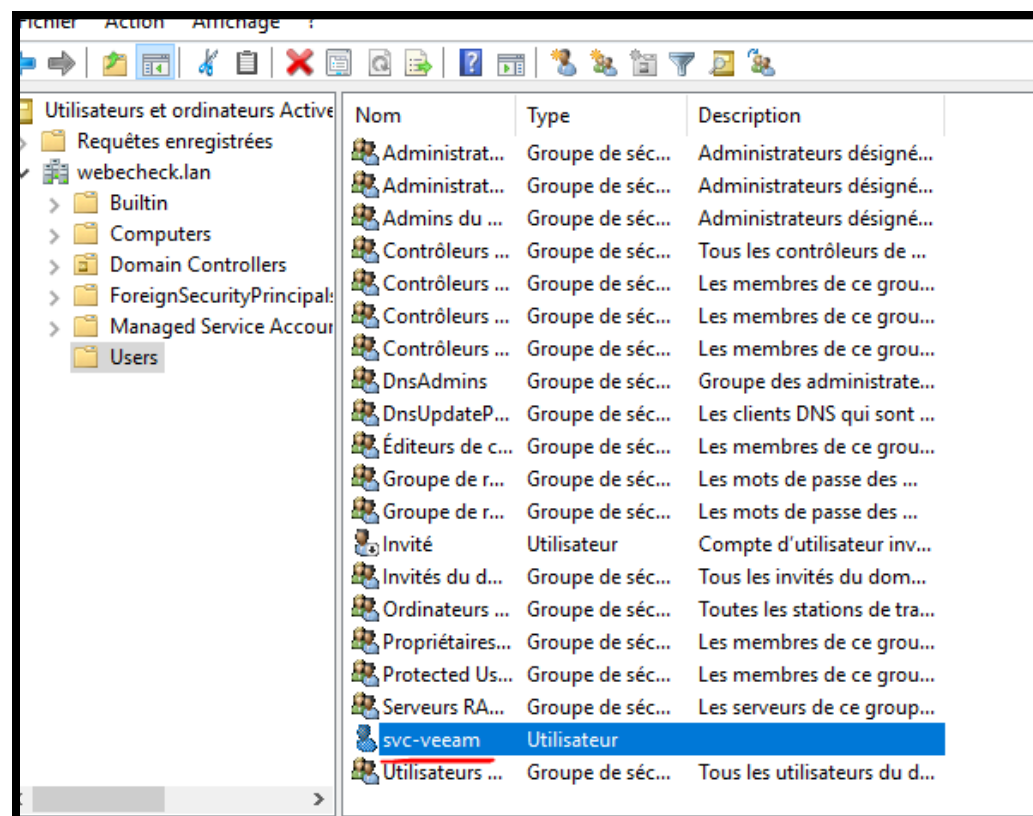
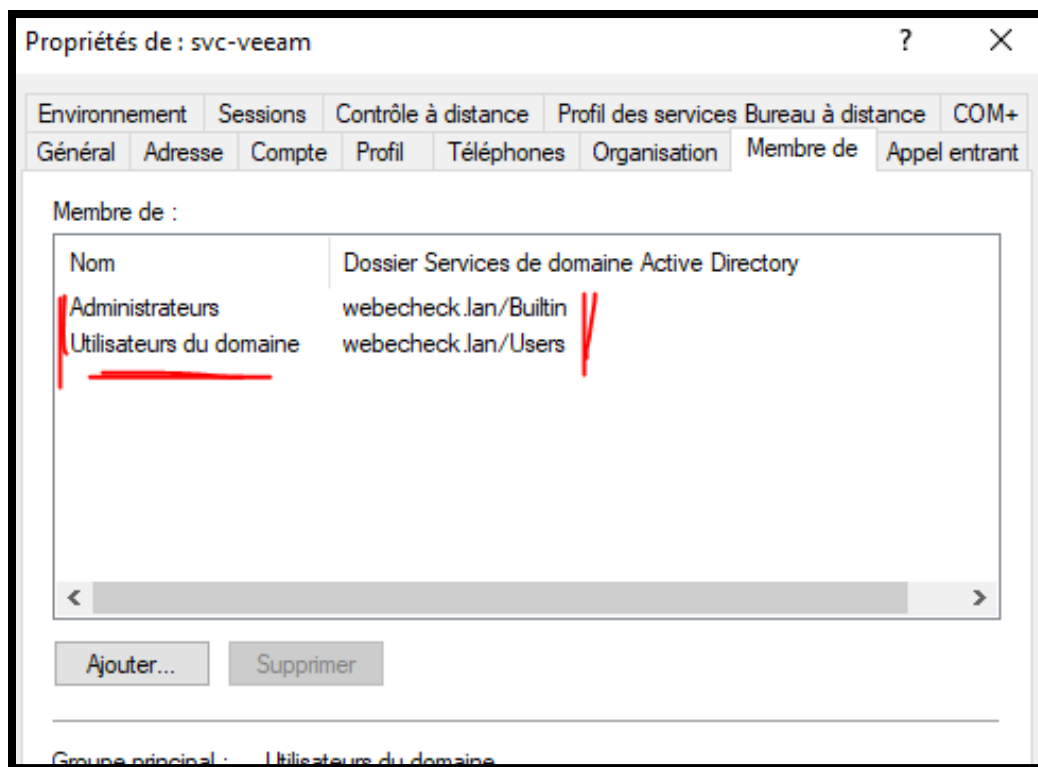
Environnement Sessions Contrôle à distance Profil des services Bureau à distance COM+

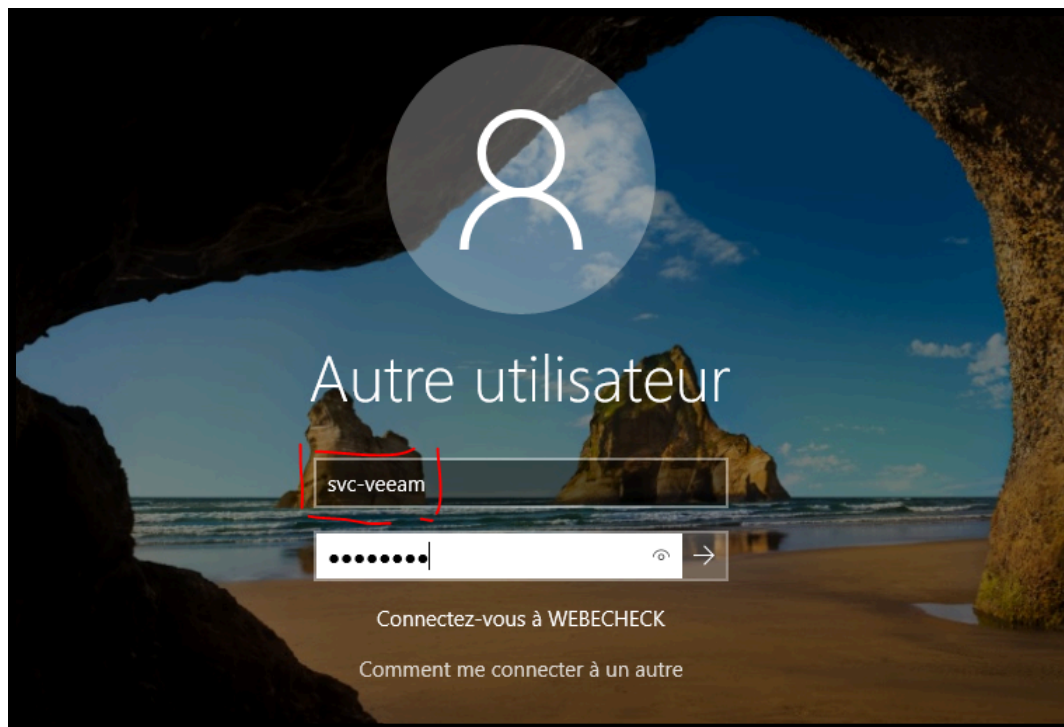
Général Adresse Compte Profil Téléphones Organisation Membre de Appel entrant

Membre de :

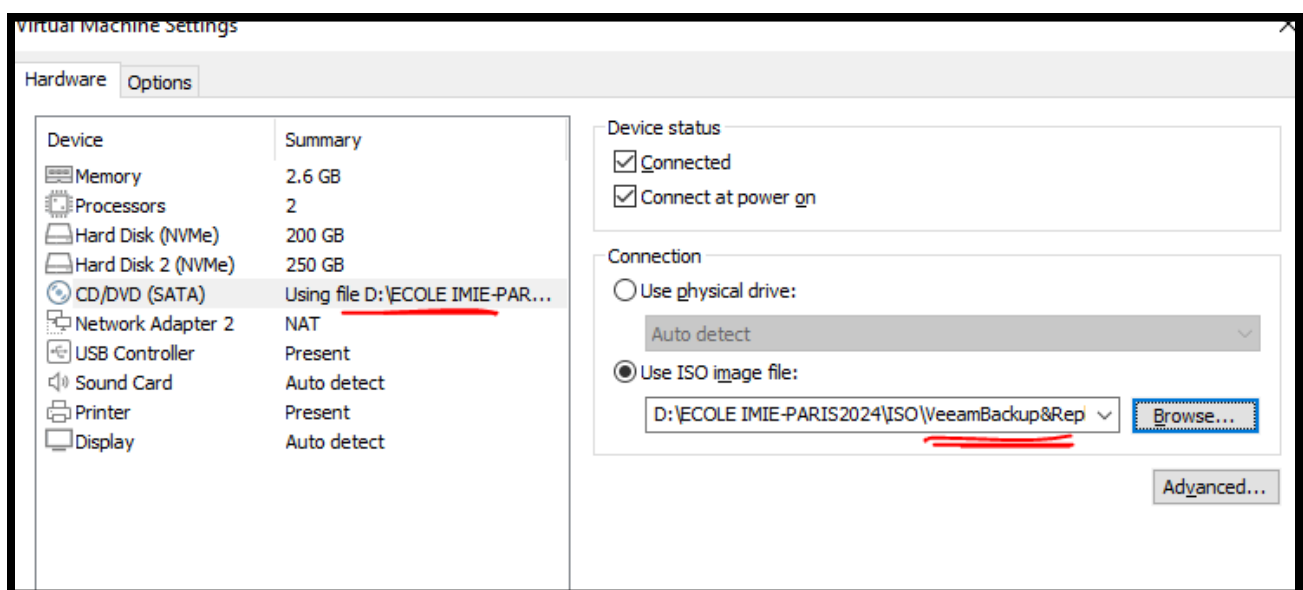
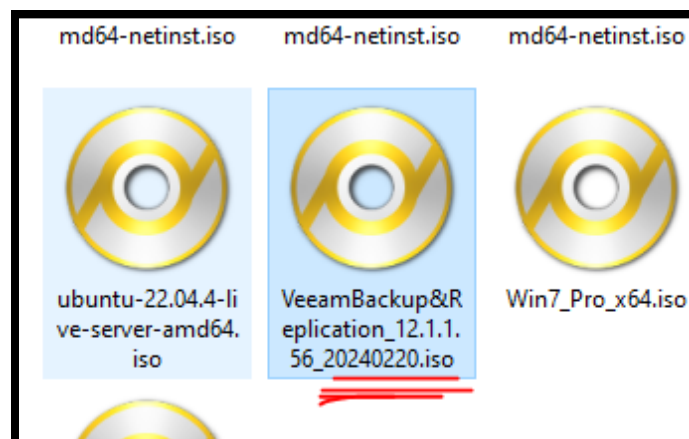
Nom	Dossier Services de domaine Active Directory
Utilisateurs du do...	webecheck.lan/Users

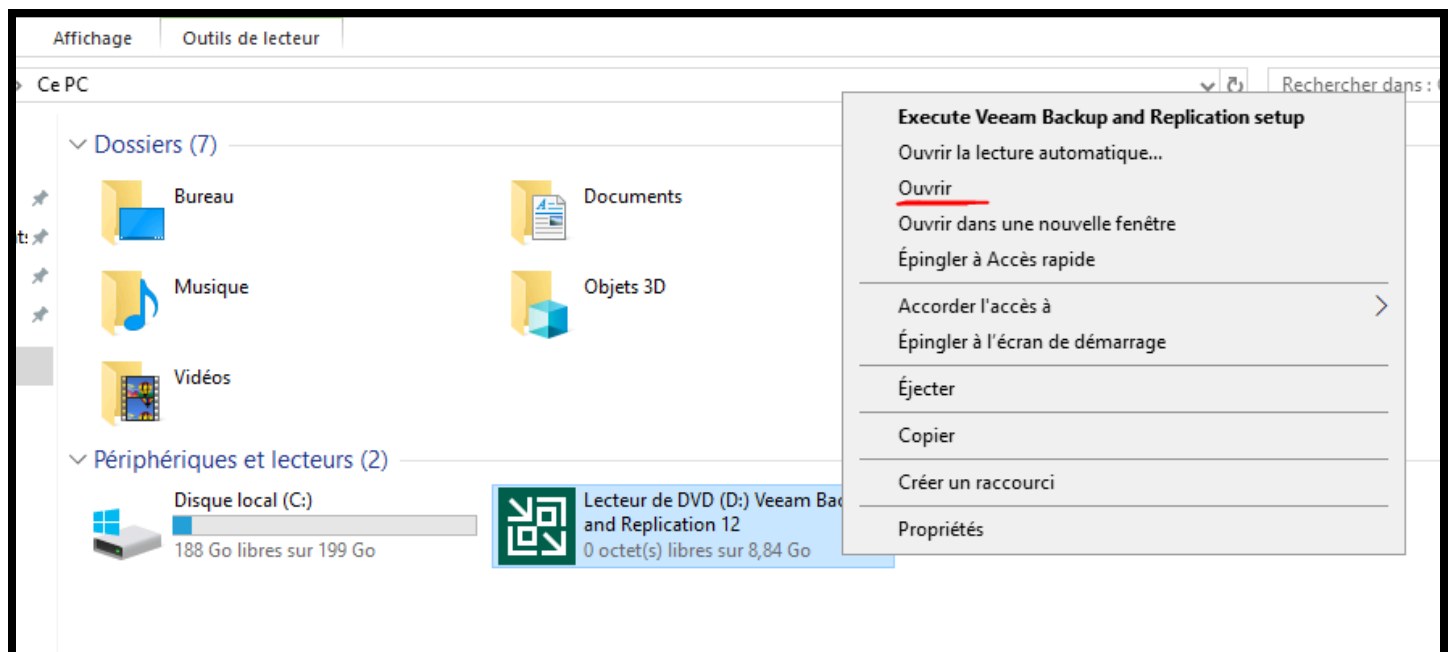
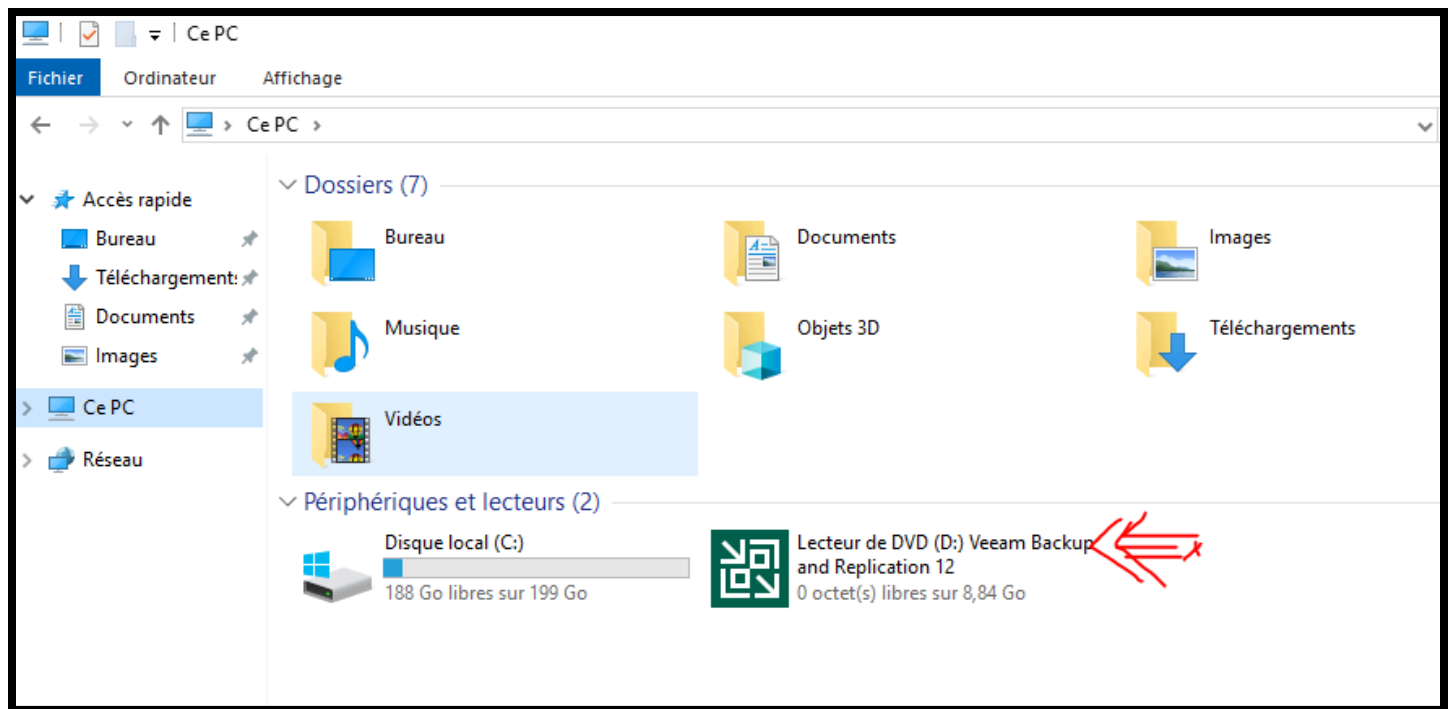
Ajouter... Supprimer

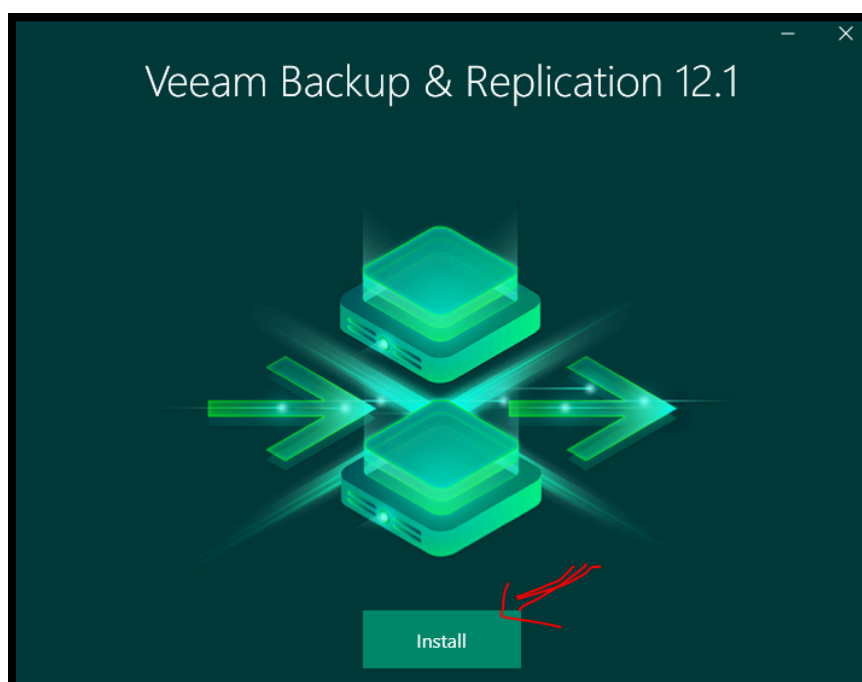
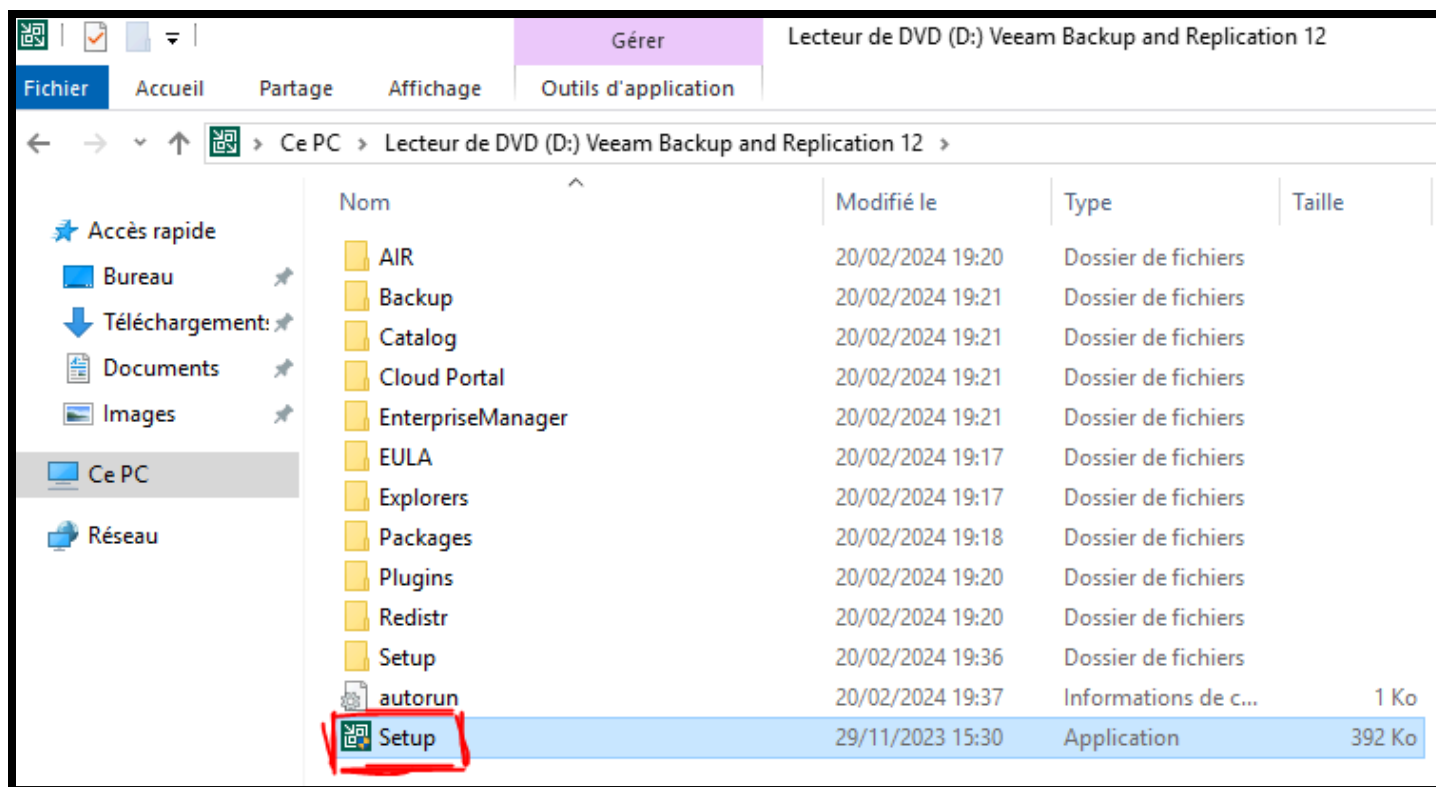


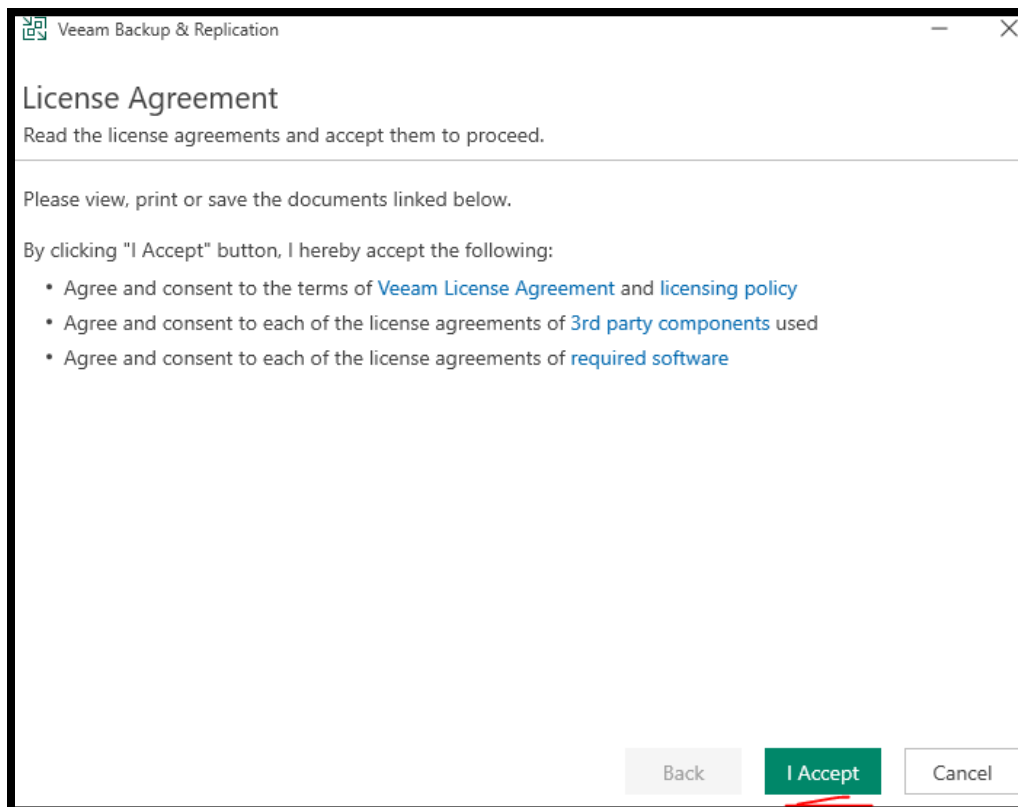
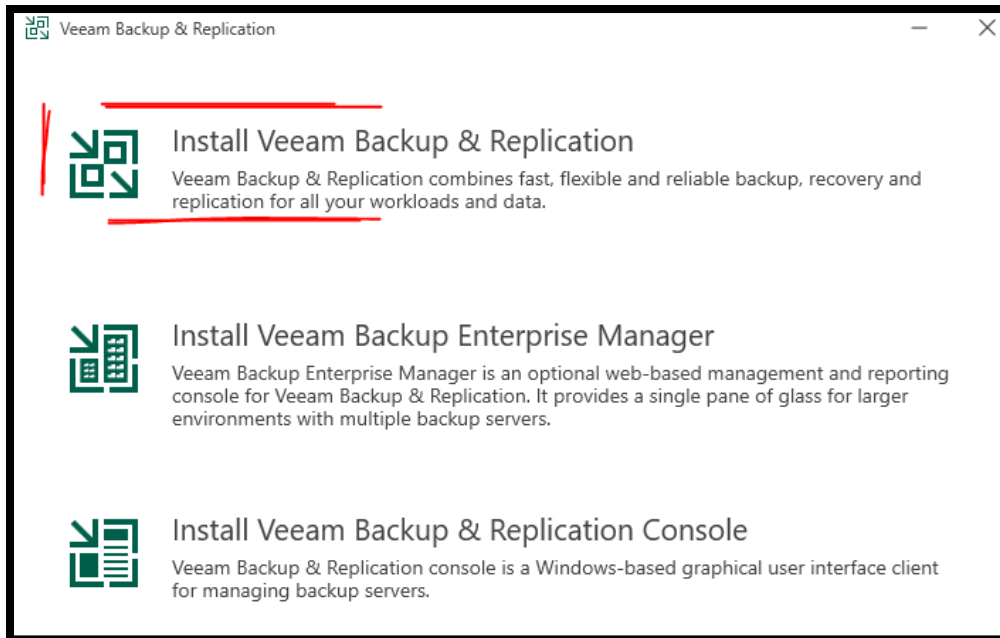


1. Installation de Veeam Backup and Replication 12.1.1.56










Veeam Backup & Replication


License

Provide license file for Veeam Backup & Replication.

Select license provisioning method:

 [Sign in with Veeam](#)

 |


 [Browse license file](#)

License details:

Community edition, 10 instances, limited functionality & personal use only

☒ Update license automatically (enables usage reporting)

Download and install new license automatically when you renew or expand your contract. This requires sending the license ID, the installation ID, and workload usage counters to Veeam servers periodically. Successful usage reporting doubles the number of workloads you can exceed your installed license by.

 Veeam EULA prohibits using Community Edition to provide any services to third parties. In particular, you may not install, configure or manage such backup servers at your client's environment as a consultant or an MSP.

Back


Next

Cancel

Veeam Backup & Replication

System Configuration Check

System is being verified for potential installation problems.



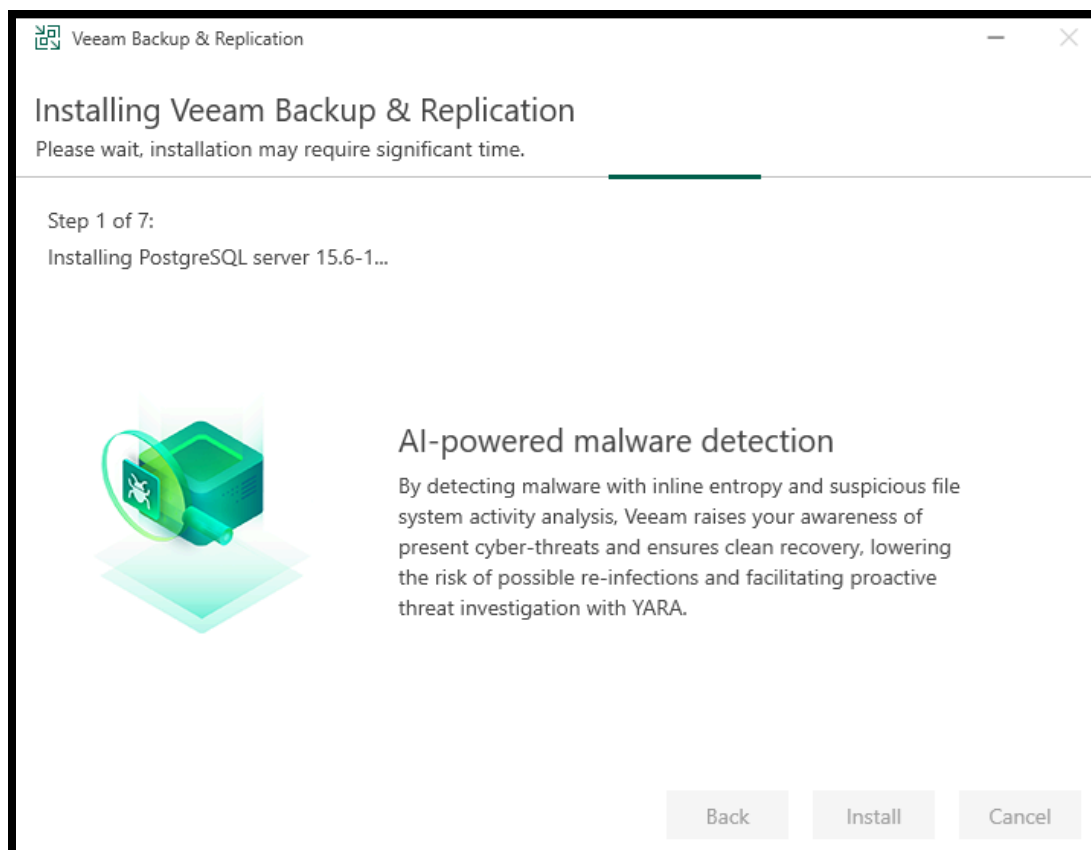
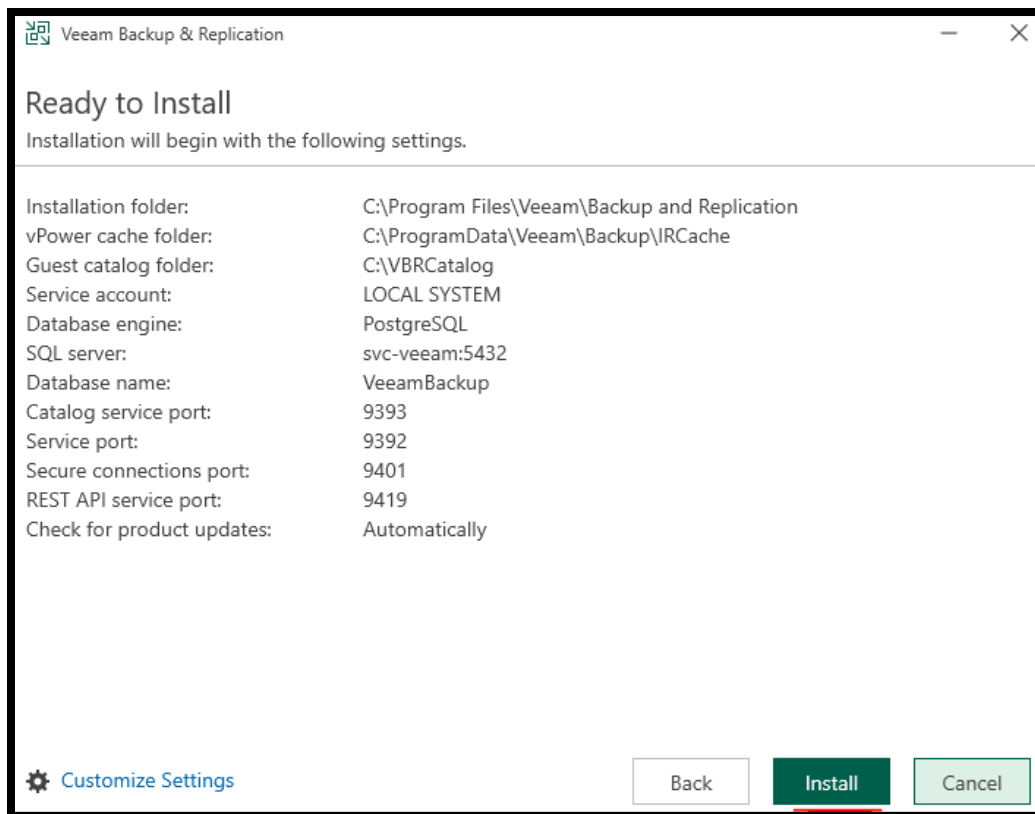
Please wait...

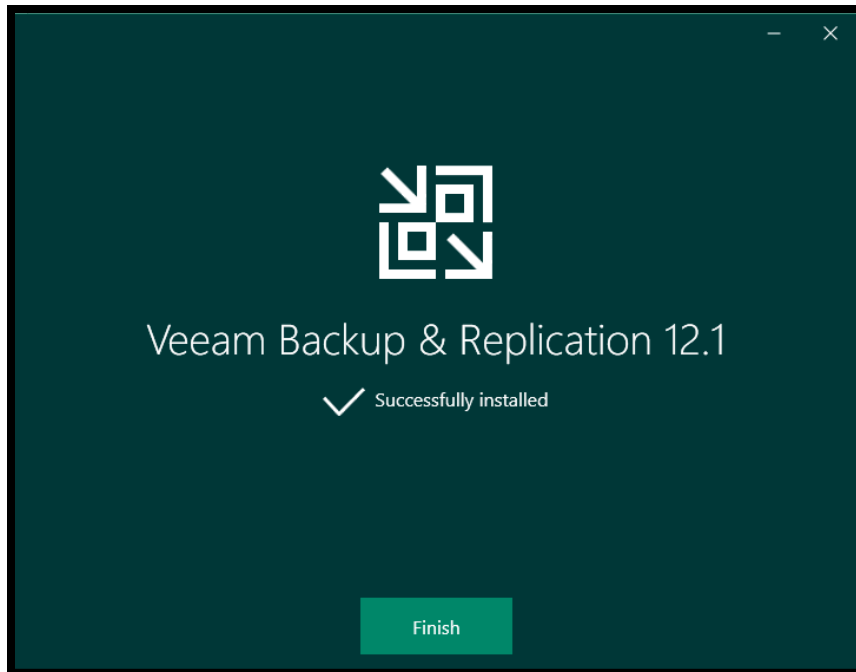
Enabling missing features...

Back

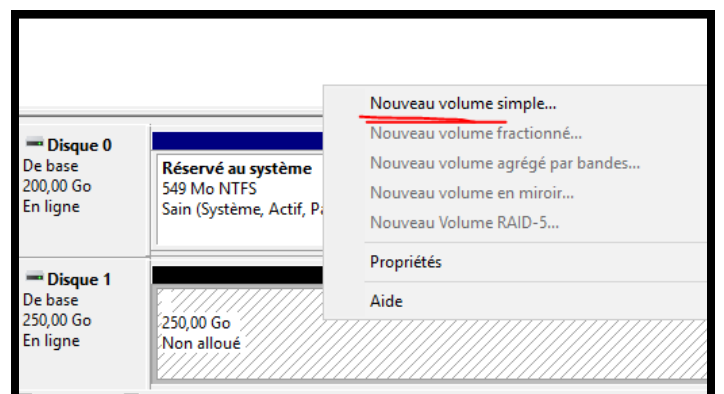
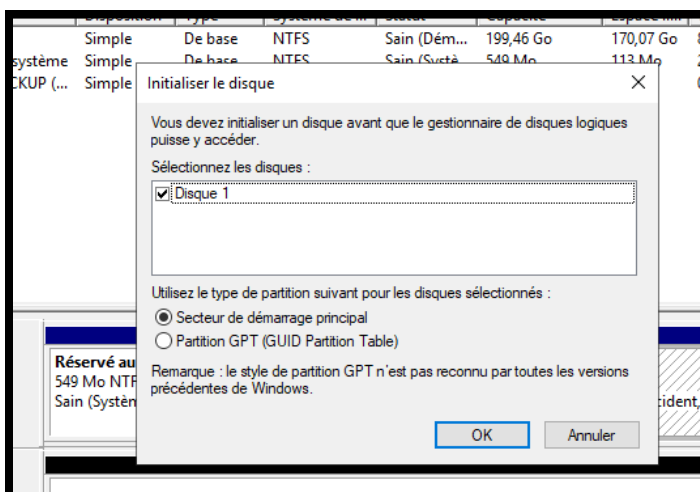
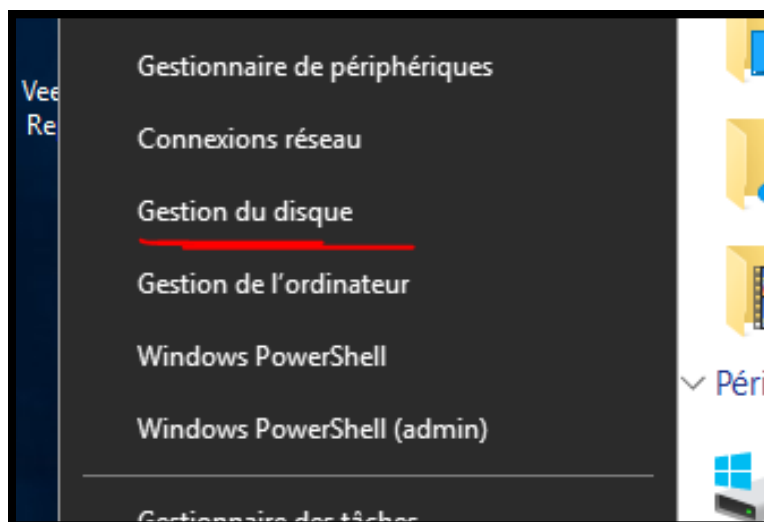
Next

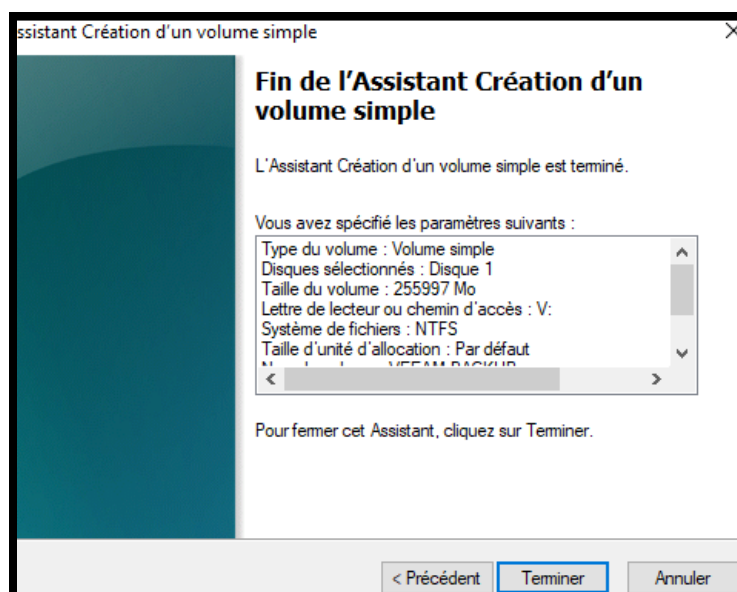
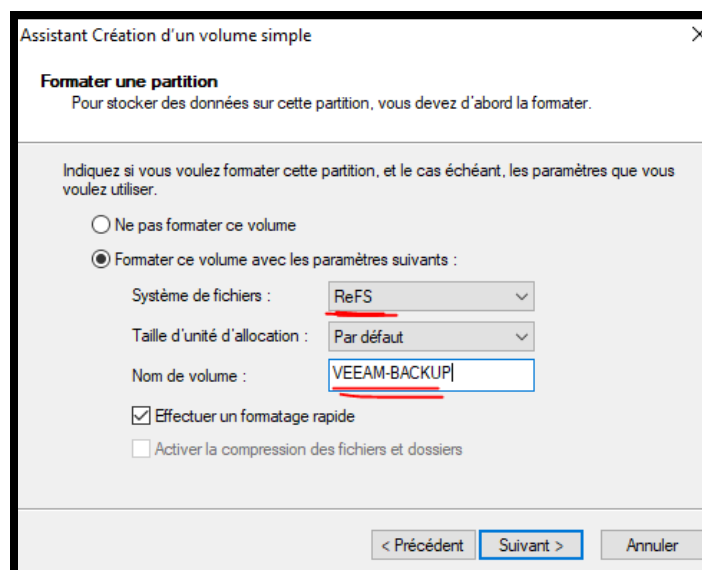
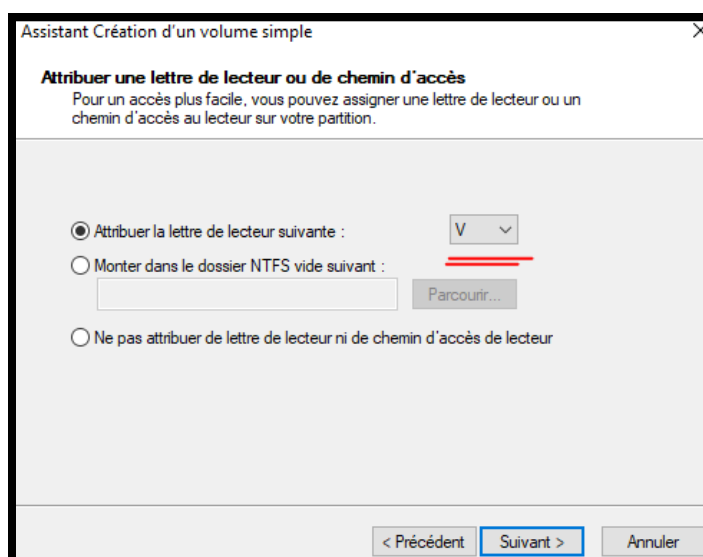
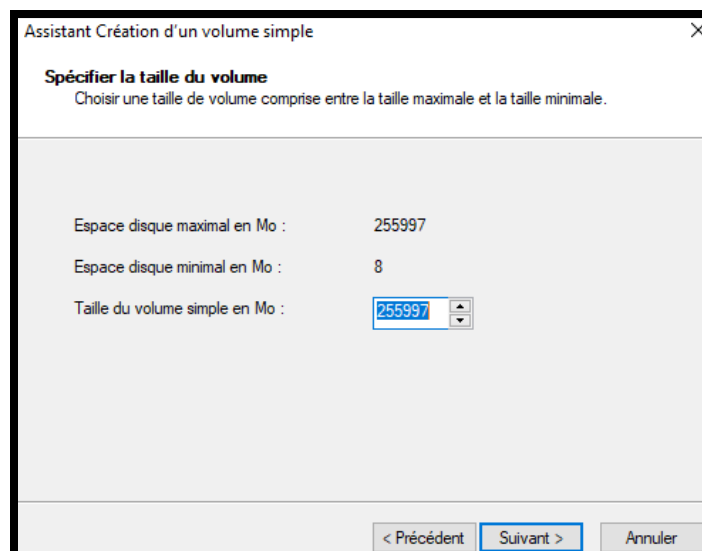
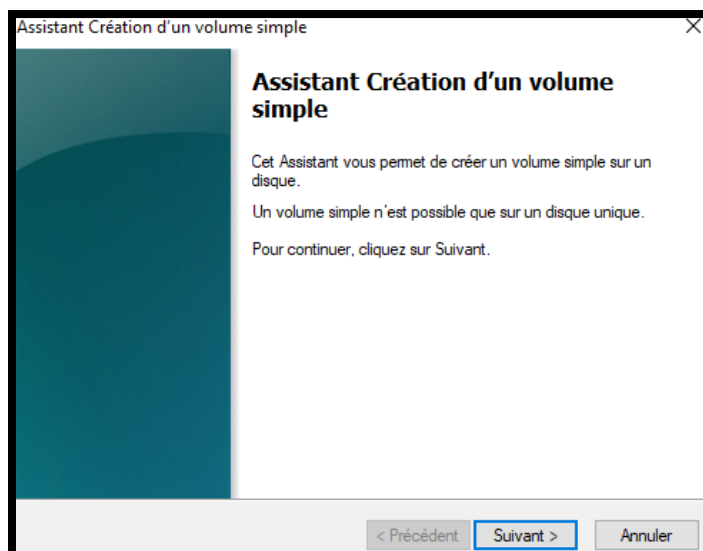
Cancel

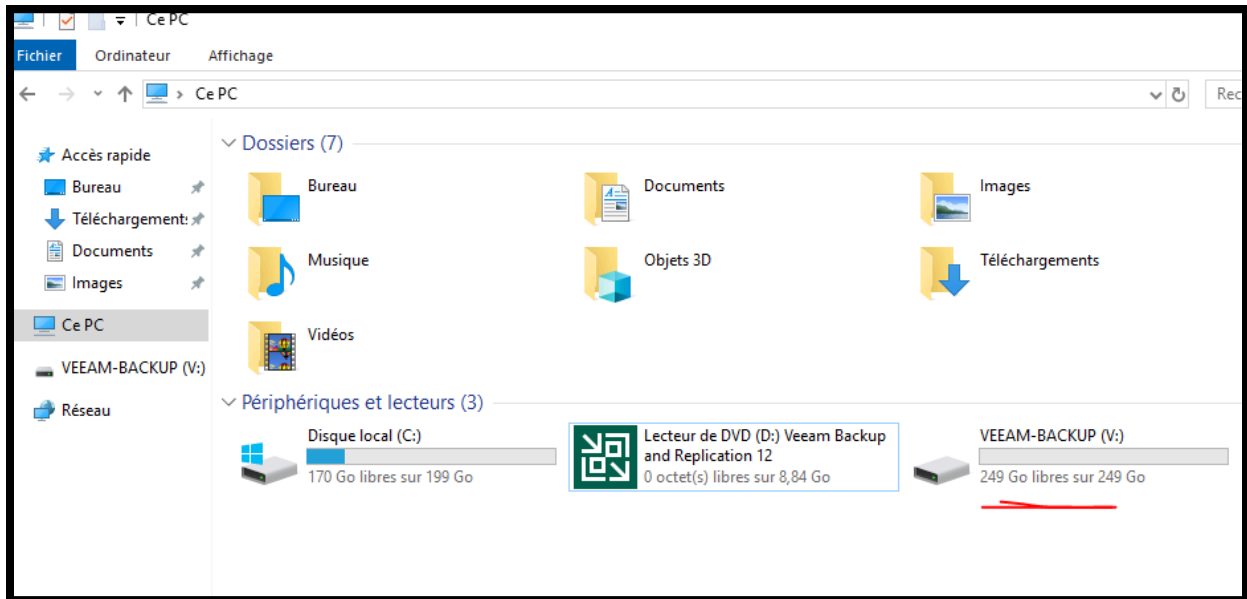
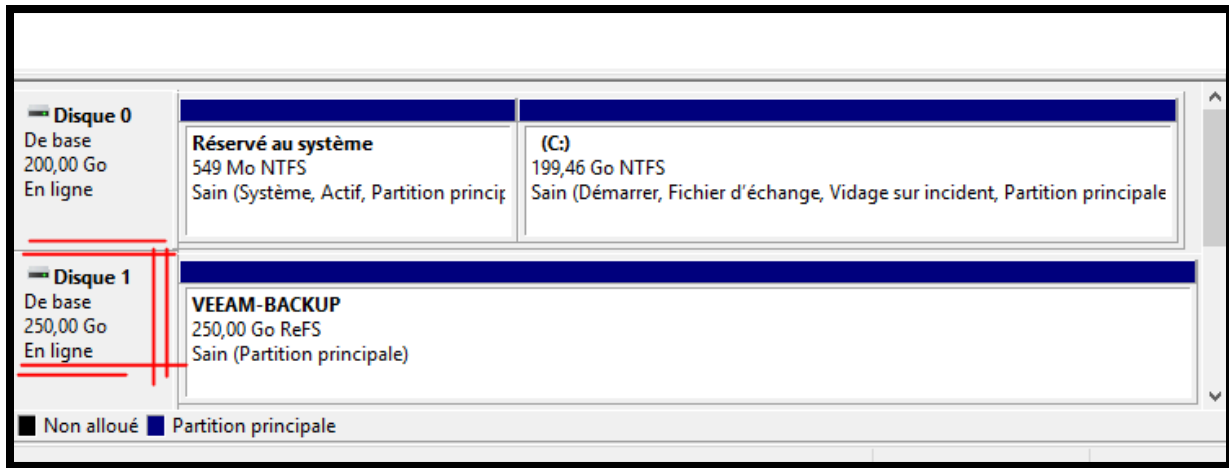




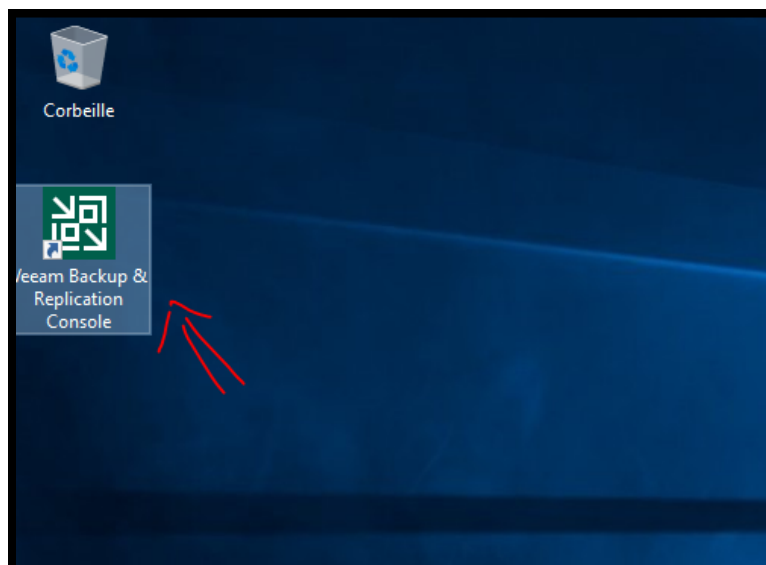
1. Activer un Disque Dur Non Alloué

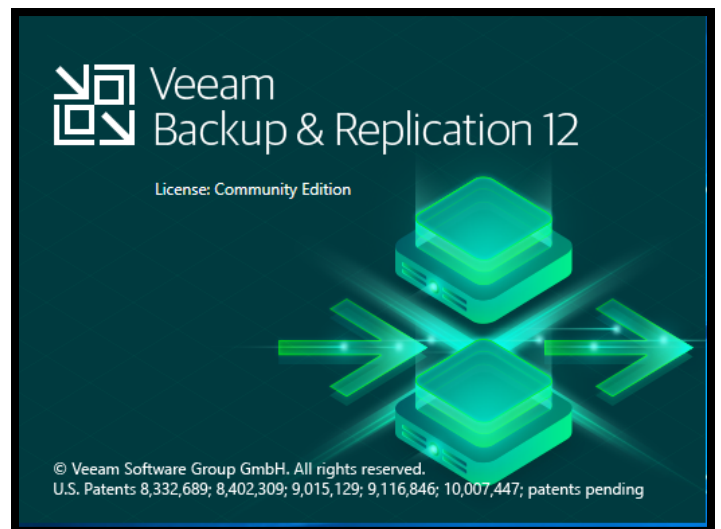
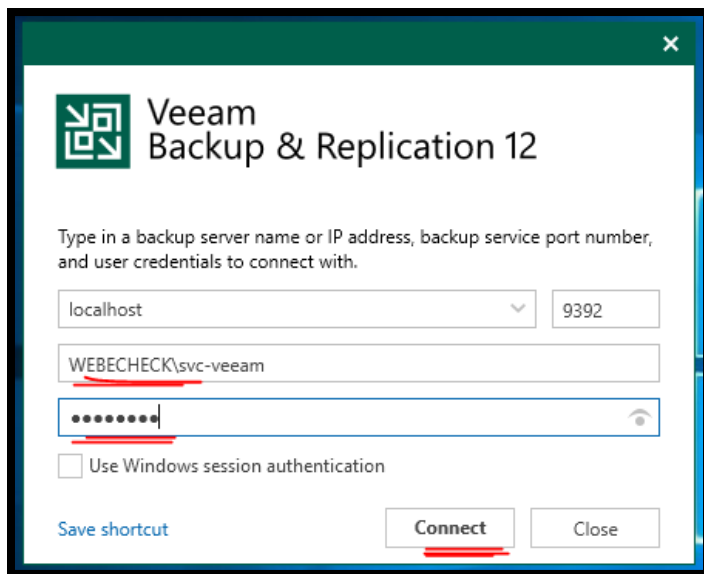




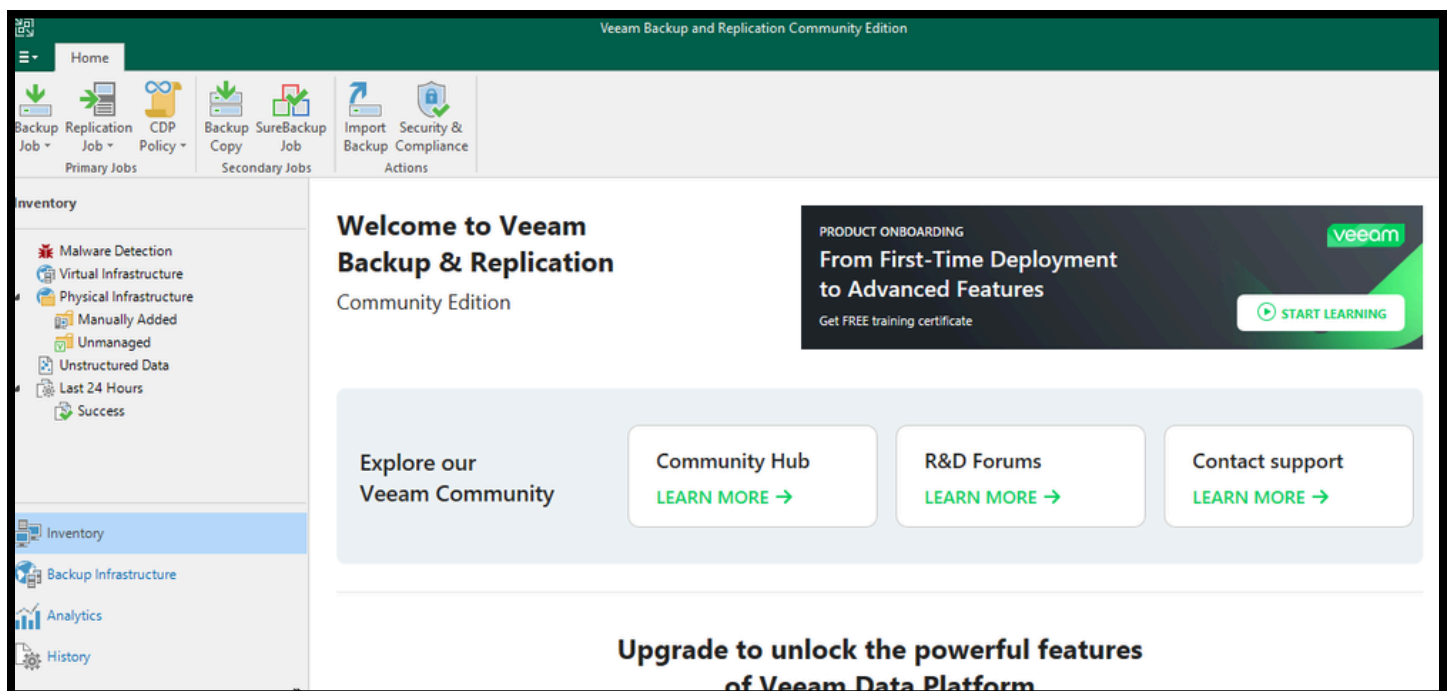


1. Lancement de Veeam Backup & Replication Console

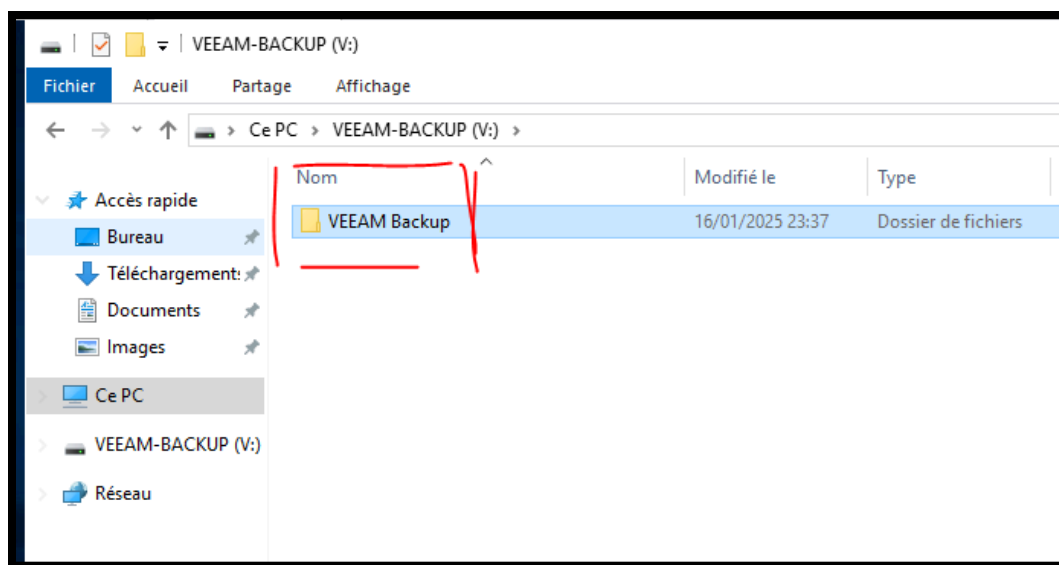
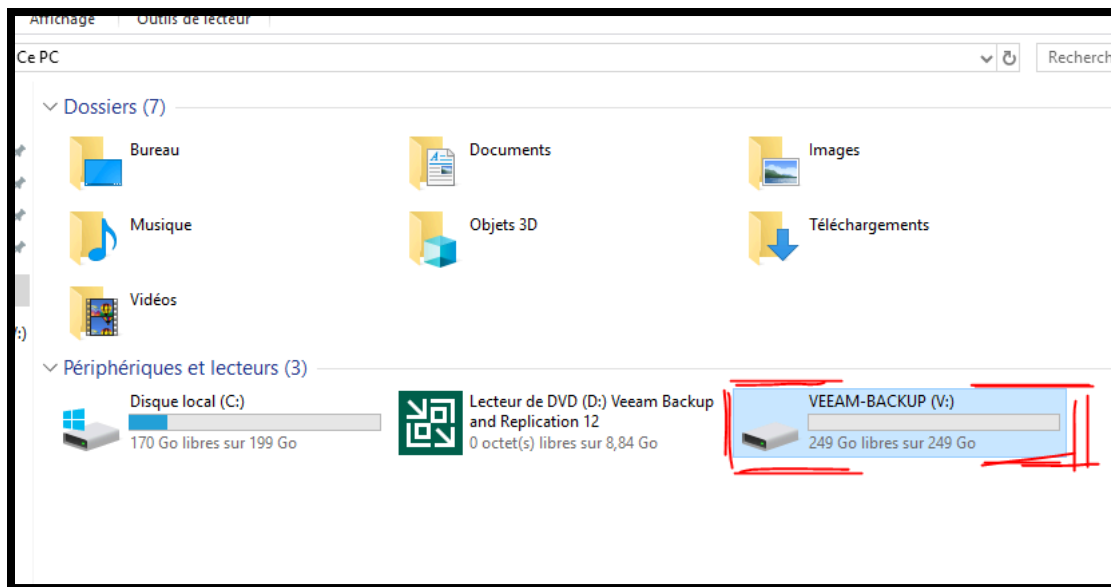




1. Interface administration



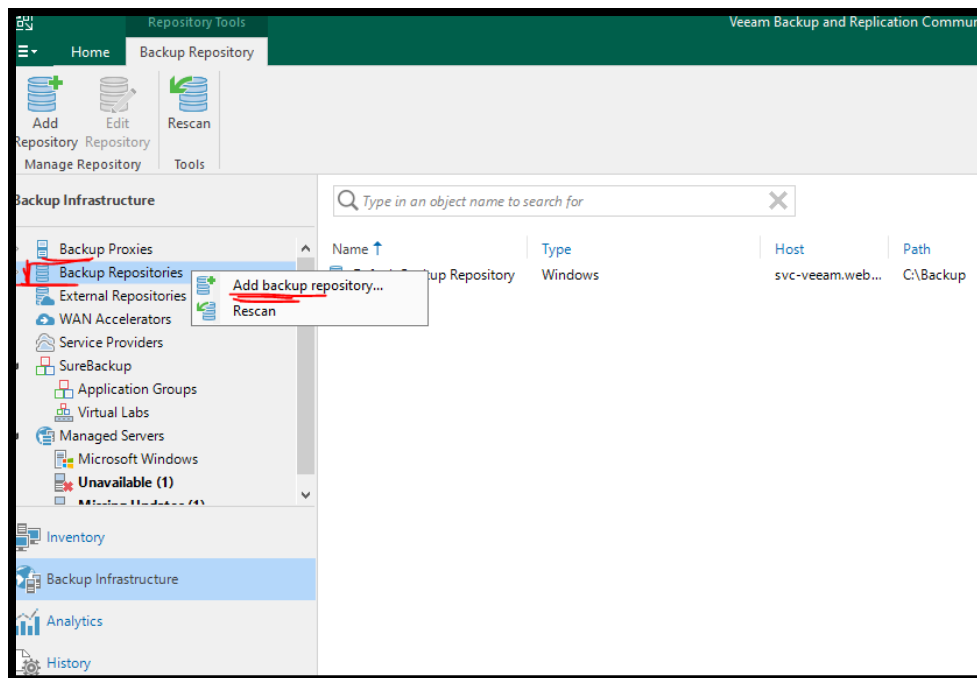
1. Création d'un répertoire sur le disque VEEAM-BACKUP



1. Configuration d'un Backup Repository

Il s'agit de définir l'espace de stockage pour les sauvegardes des VM ou des machines physiques. On configure pour cela un Backup Repository qui peut revêtir différentes formes : Disque local interne au serveur Veeam ; DAS connecté directement au serveur Veeam ; SAN auquel le serveur Veeam accède via Fiber Channel ou ISCSI (LUN sur un Freenas par exemple) ; NAS auquel le serveur Veeam accède via SMB (CIFS) ou NFS.

1. Ajout d'un Backup Repository sur le disque 2 du serveur Veeam



Add Backup Repository

Select the type of backup repository you want to add.

Direct attached storage

Microsoft Windows or Linux server with internal or direct attached storage. This configuration enables data movers to run directly on the server, allowing for fastest performance.

Network attached storage

Network share on a file server or a NAS device. When backing up to a remote share, we recommend that you select a gateway server located in the same site with the share.

Deduplicating storage appliance

Dell Data Domain, ExaGrid, Fujitsu ETERNUS CS800, HPE StoreOnce, Infinidat InfiniGuard or Quantum DXi. If you are unable to meet the requirements of advanced integration via native appliance API, use the network attached storage option instead.

Object storage

On-prem object storage system or a cloud object storage provider.

Direct Attached Storage

Select the operating system type of a server you want to use as a backup repository.

Microsoft Windows

Adds local storage presented as a regular volume or Storage Spaces. For better performance and storage efficiency, we recommend using ReFS.


Linux

Adds local storage or locally mounted NFS share. For better performance and storage efficiency, we recommend using XFS. The Linux server must use bash shell, and have SSH and Perl installed.

Linux (Hardened Repository)

Requires a Linux server with internal or direct attached storage. This configuration enables protection against cybersecurity threats with immutable backups. The Linux server must use bash shell and have SSH installed. For reduced attack surface, minimal Linux installation is highly recommended.

New Backup Repository

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

Name

Server

Repository

Mount Server

Review

Apply


Summary

Name: Backup Repository disque VEEAM Backup (V:)

Description: Created by WEBECHECK\svc-veeam at 16/01/2025 23:55.

< Previous Next > Finish Cancel

New Backup Repository

 **Server**
Choose repository server. You can select server from the list of managed servers added to the console.

Name

Server

Repository

Mount Server

Review

Apply

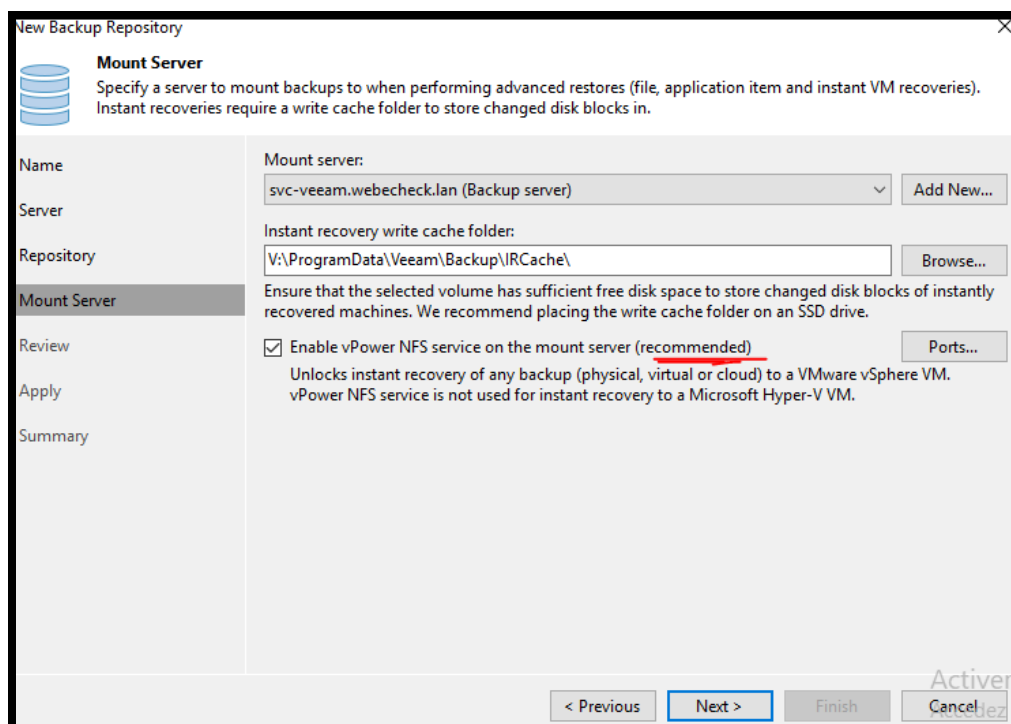
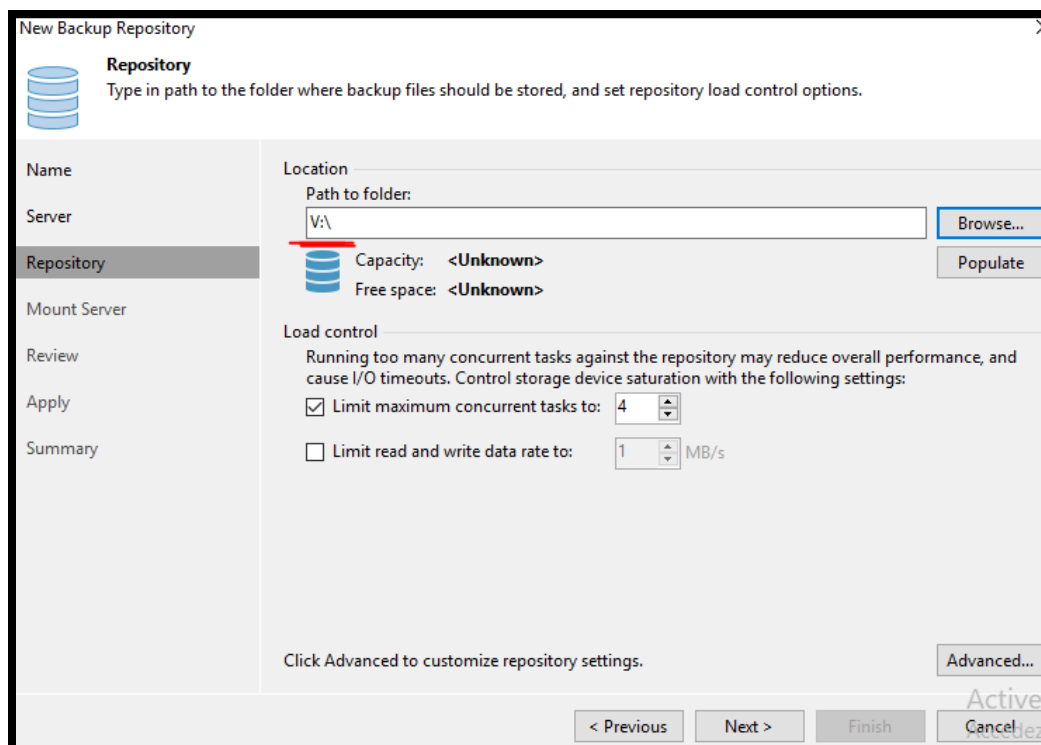
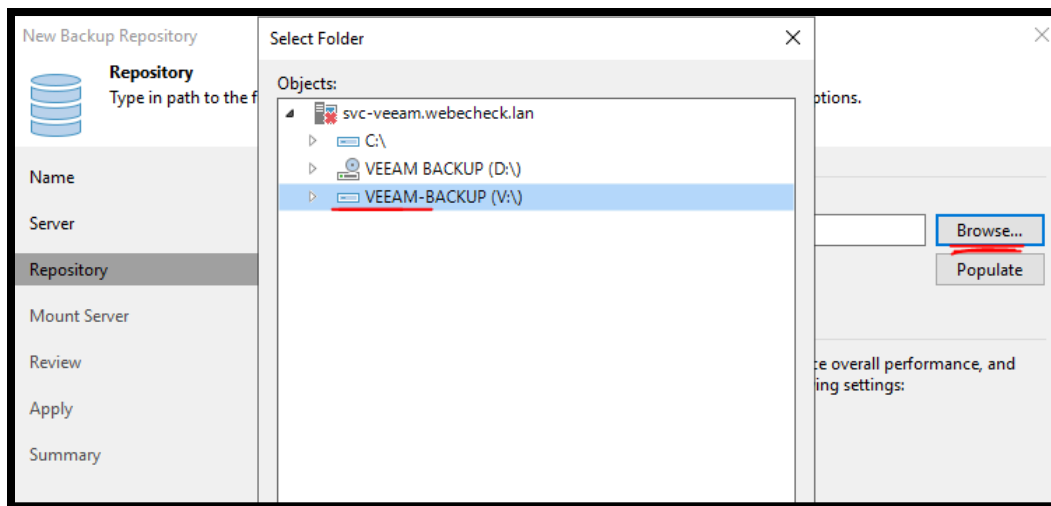
Summary

Repository server: svc-veeam.webecheck.lan (Backup server)


Add New

Path	Capacity	Free	Popular
------	----------	------	---------

< Previous Next > Finish Cancel



New Backup Repository



Review

Please review the settings, and click Apply to continue.

Name

Server

Repository

Mount Server

Review

Apply

Summary

The following components will be processed on server svc-veeam.webecheck.lan:

Component name	Status
Transport	already exists
vPower NFS	already exists
Mount Server	already exists

☐ Search the repository for existing backups and import them automatically
☐ Import guest file system index data to the catalog


< Previous

Apply

Finish

Cancel

New Backup Repository



Apply

Please wait while backup repository is created and saved in configuration, this may take a few minutes.

Name

Server

Repository

Mount Server

Review

Apply

Summary

Message	Duration
Starting infrastructure item update process	0:00:10
[svc-veeam] Discovering installed packages	0:00:01
Registering client svc-veeam for package Transport	
Registering client svc-veeam for package vPower NFS	
Registering client svc-veeam for package Mount Server	
Discovering installed packages	
All required packages have been successfully installed	
Detecting server configuration	
Reconfiguring vPower NFS service	0:00:09
Creating configuration database records for installed packages	
Collecting backup repository info	
Creating database records for repository	0:00:02
Backup repository has been saved successfully	

< Previous

Next >

Finish

Cancel

New Backup Repository

Summary
You can copy the configuration information below for future reference.

Name

Server

Repository

Mount Server

Review

Apply

Summary

Summary:

Windows backup repository 'Backup Repository disque VEEAM Backup (V:)' was successfully saved.

Mount host: svc-veeam.webcheck.lan
Backup folder: V:\
Write throughput: unlimited
Max parallel tasks: 4

< Previous Next > **Finish** Cancel

u...
ory

Type	Host	Path	Capacity
Veeam Backup and Replication			19,9 GB
			99,5 GB

? Change the configuration backup location to the newly created repository?

Home Backup Repository

Add Edit Rescan

Repository Repository Manage Repository Tools

Backup Infrastructure

- Backup Proxies
- Backup Repositories**
- External Repositories
- WAN Accelerators
- Service Providers
- SureBackup
- Application Groups
- Virtual Labs
- Managed Servers
- Microsoft Windows
- Missing Updates (1)

Inventory

Q Type in an object name to search for

Name	Type	Host	Path	Capacity	Free	Used S...
Backup Repository disque VE...	Windows	svc-veeam.web...	V:\	249,9 GB	246,9 GB	0 B
Default Backup Repository	Windows	svc-veeam.web...	C:\Backup	199,5 GB	170,9 GB	0 B