

PARAMETRAGE SERVEUR VEEAM

ÉTAPE 1 : TELECHARGEMENT DES SOURCES :

<https://www.veeam.com/fr/products/downloads.html>

ETAPE 2 : CONNECTEZ-VOUS AVEC LE COMPTE « Externe » présent dans Jarvis

Connexion

[Réinitialiser mon mot de passe](#) Rester connecté

ETAPE 3 : Section Téléchargement Puis Onglet Free/Community

Grandes entreprises	Petites entreprises	Fournisseur de services	<u>Free/Community</u>	Versions précédentes
Produit	Ressources associées	Téléchargement		

Des les produits proposer, choisir VEEAM Backup & Réplication Community Edition

[Veeam Backup & Replication Community Edition](#)

[Aperçu produit](#)

TESTEZ GRATUITEMENT

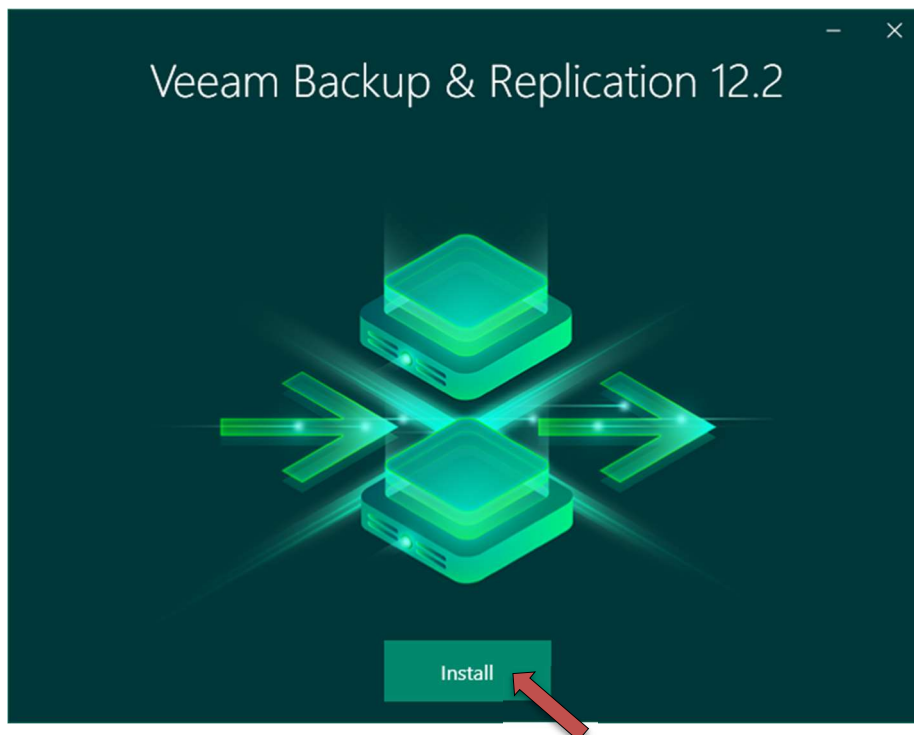
La Community Edition vous permet de sauvegarder, restaurer et répliquer GRATUITEMENT et rapidement jusqu'à 10 workloads, en toute flexibilité et fiabilité.

!! Avant de commencer l'installation, s'assurer de quelques détails !!

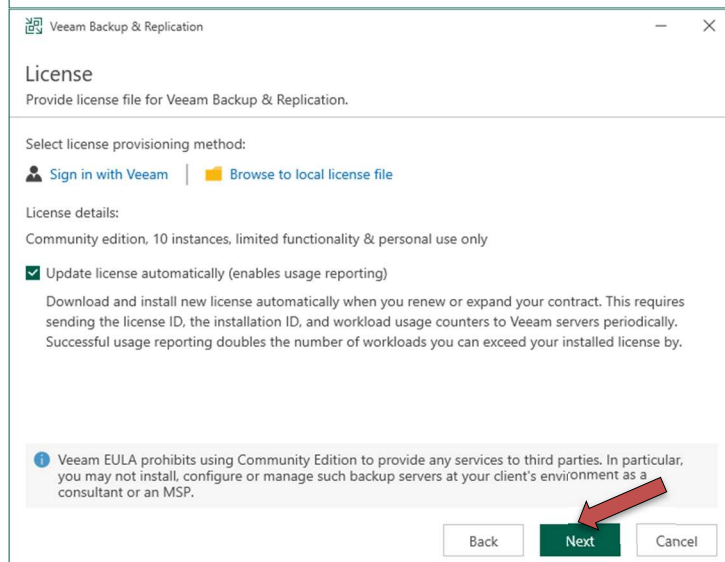
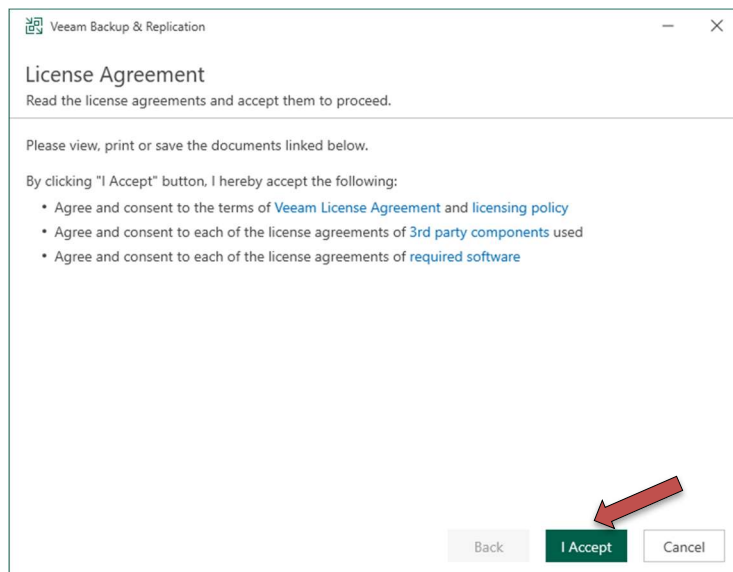
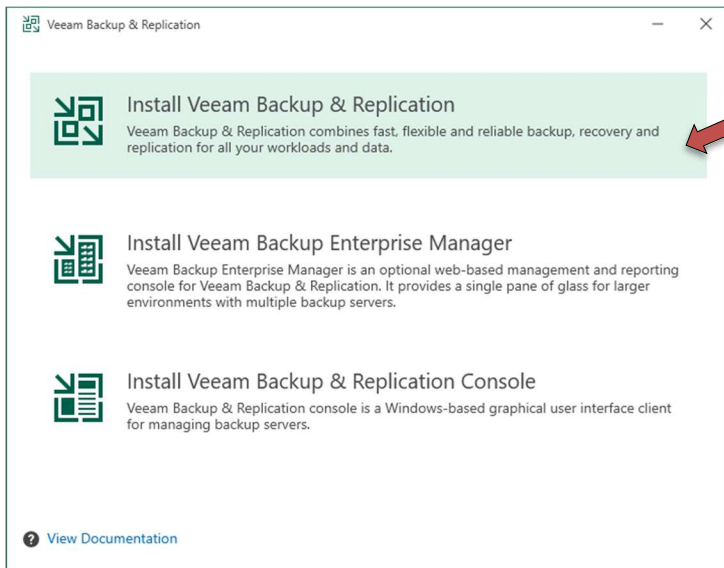
- Une fois VEEAM installé, il n'est plus possible de renommer l'ordinateur
- Le logiciel Consomme de 2 à 4 GO de mémoire en action, merci de vérifier Les ressources

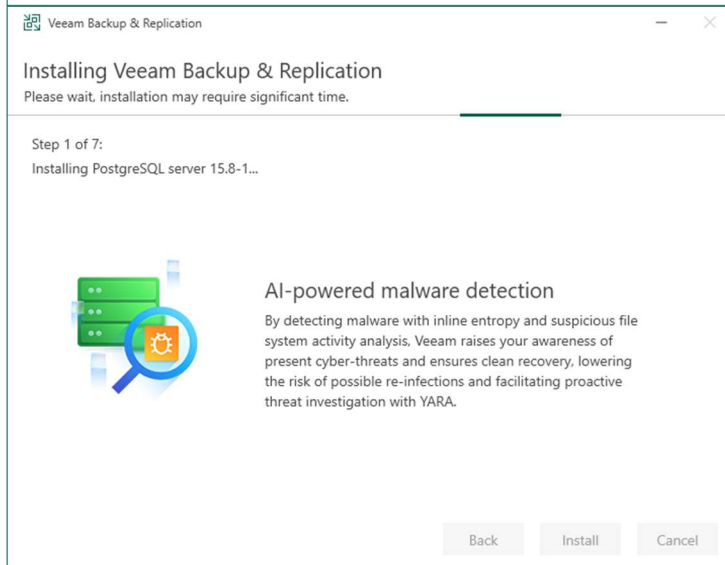
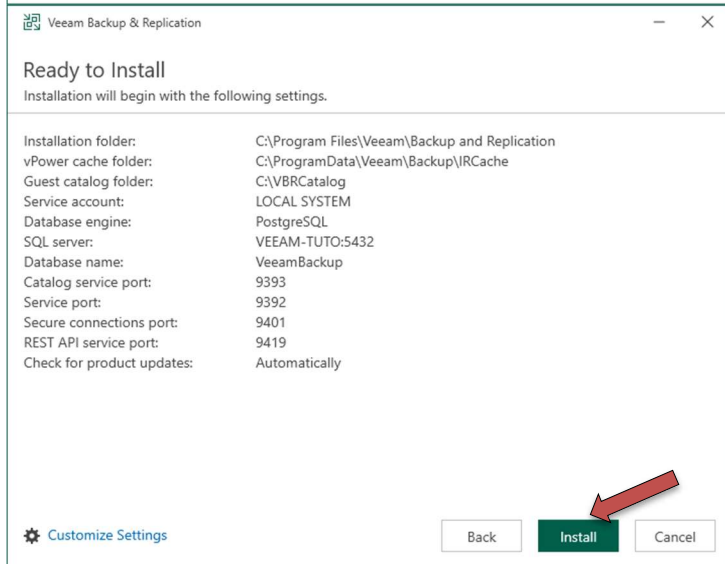
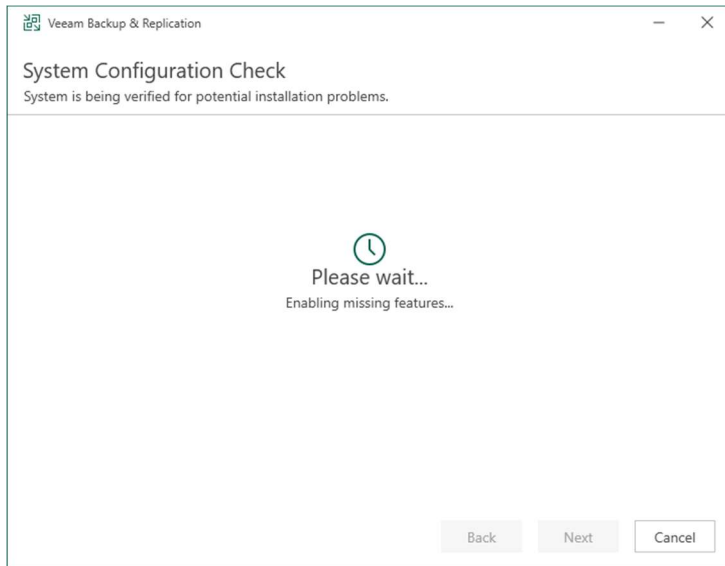
ETAPE 4 : PROCEDER A L'INSTALLATION

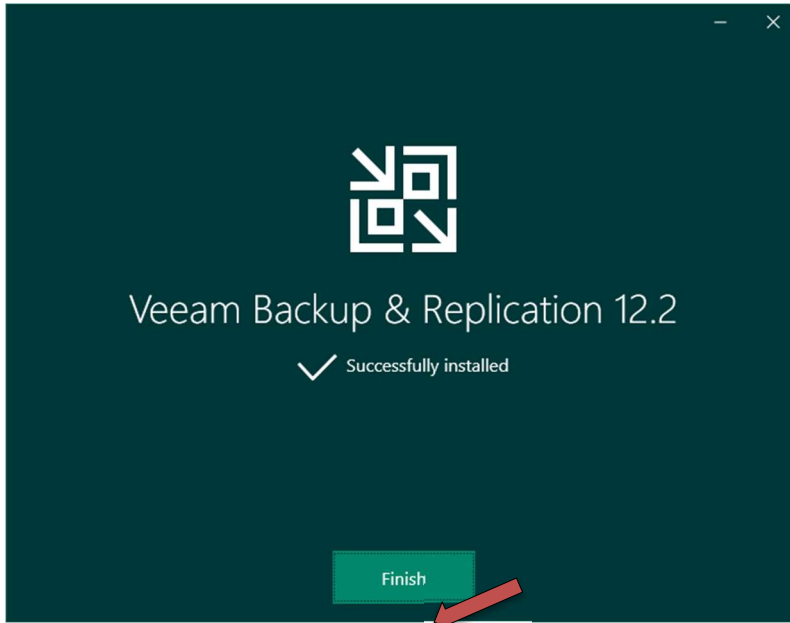
Une fois l'iso télécharger, commencer l'installation en lançant le Setup



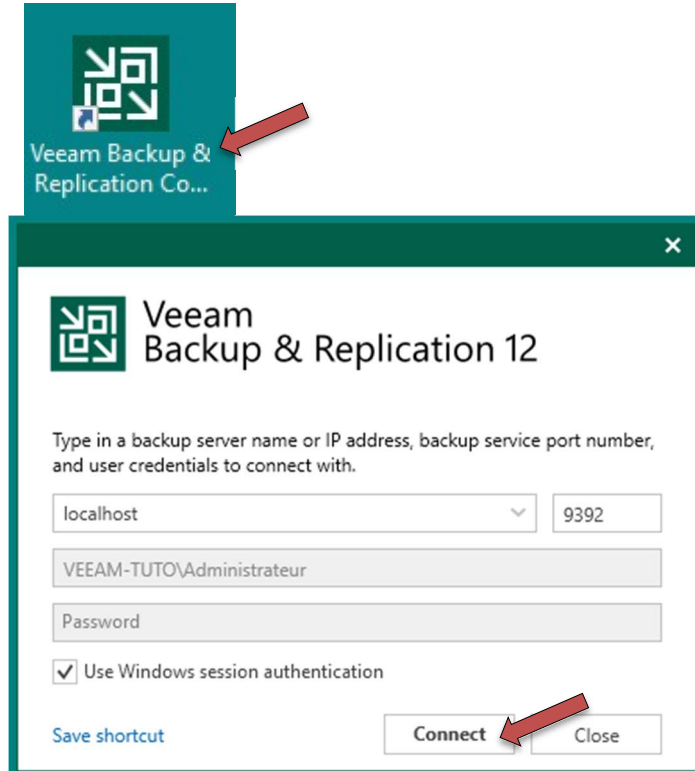
ETAPE 4 : ETAPE d'installation « *Install Veeam Backup & Réplication* » les autres choix se font par default

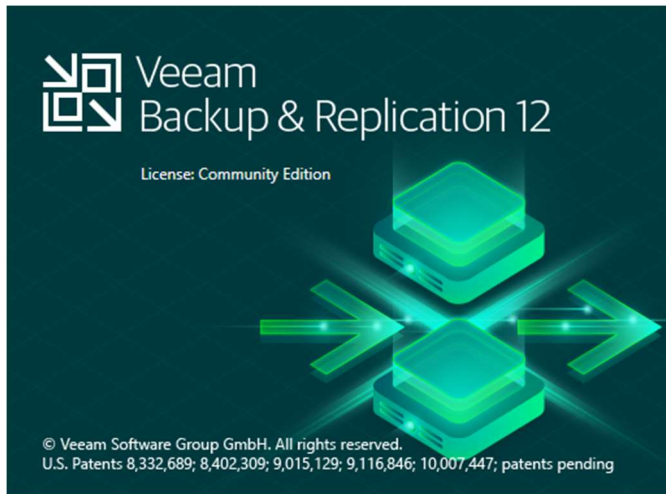




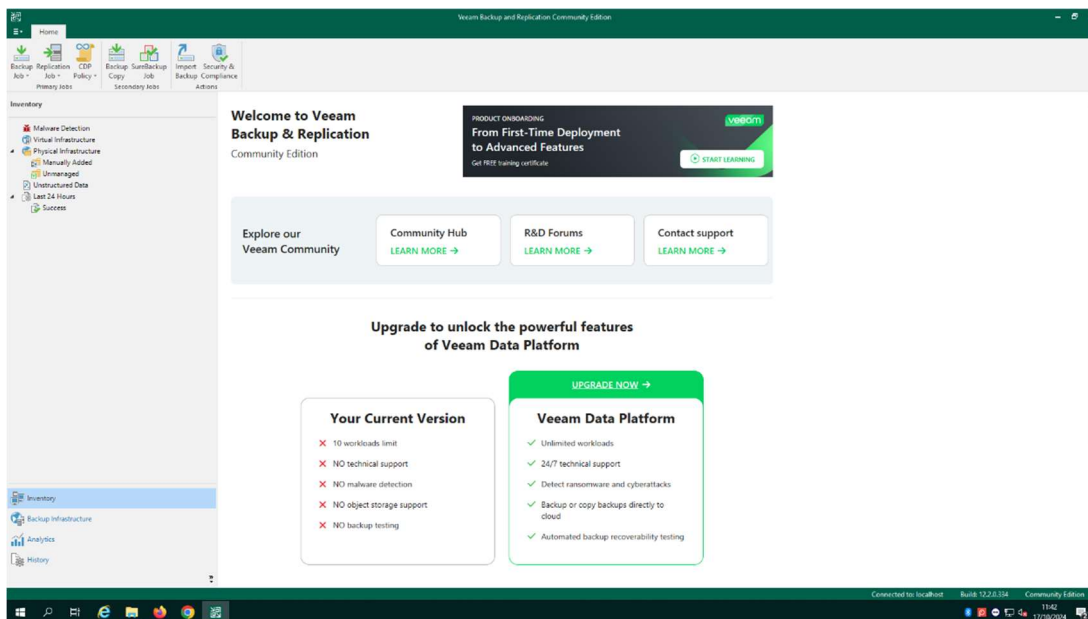


ETAPE 5 : LANCEMENT ET PARAMETRAGE VEEAM

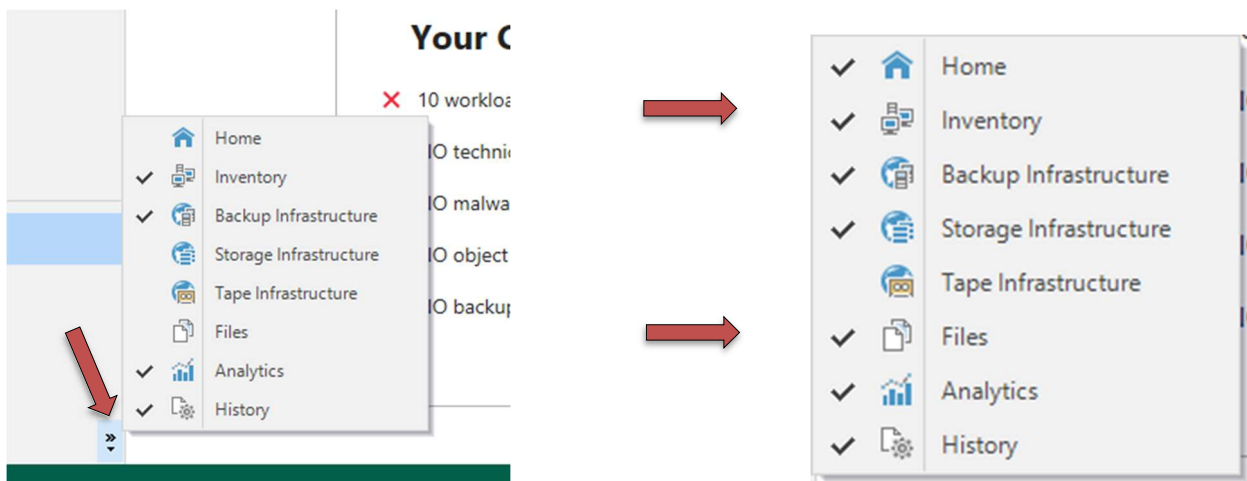




Interface VEEAM

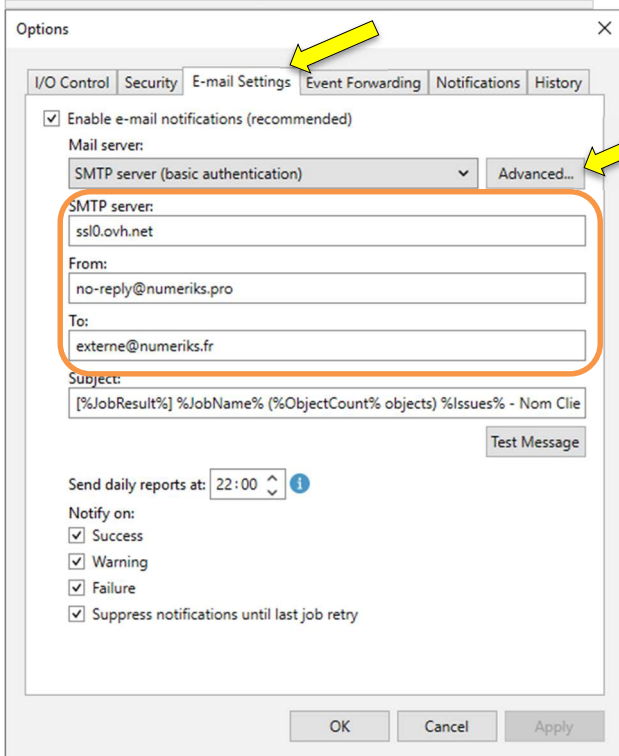
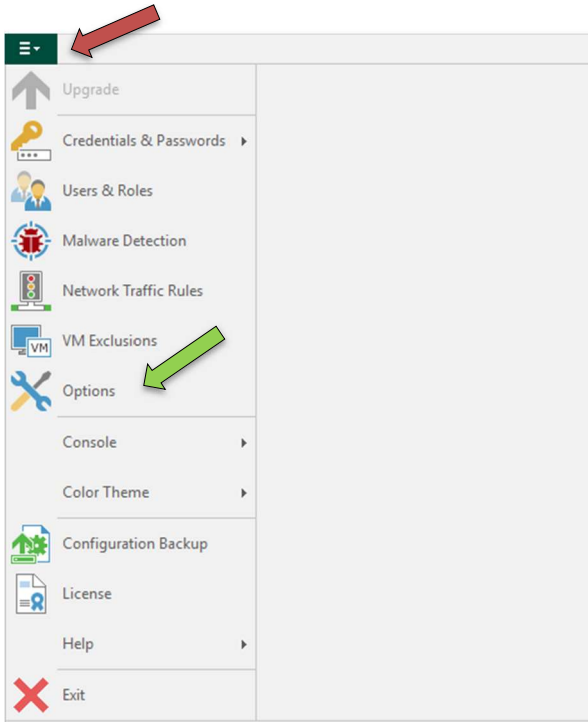


Ajustez Les onglets de configurations comme indiquez

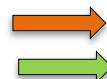


Nous Allons maintenant Déclarez le SMTP pour l'envoi des mails de Notifications

Configurations
Options
Onglet *E-Mail settings*



Déclarez le compte Mail, ainsi que le port, SMTP, protocole de sécurité, l'adresse mail d'envoi, ainsi l'adresse mail de réception des logs



Advanced SMTP options

Port: 587

Timeout: 100000 ms

Connect using SSL

This SMTP server requires authentication

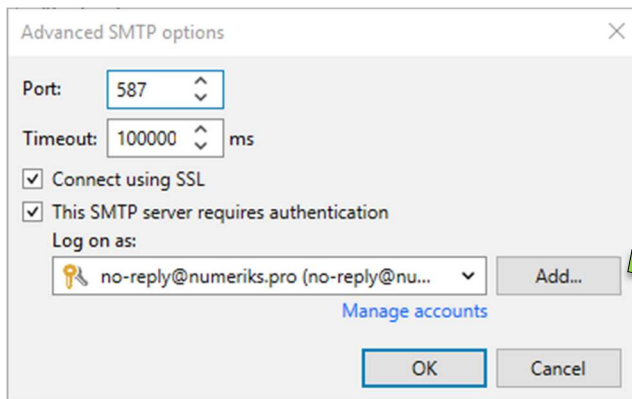
Log on as:

no-reply@numeriks.pro (no-reply@nu...)

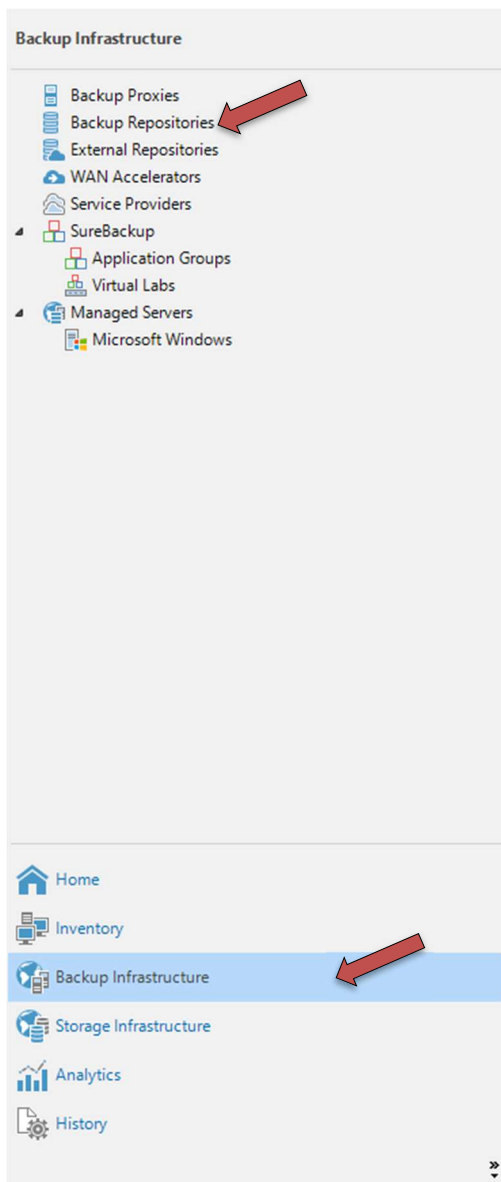
Add...

Manage accounts

OK Cancel



ETAPE 6 : DECLARATION DU OU DES STOCKAGE DE SAUVEGARDE



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.

Cancel

Network Attached Storage

Select the type of a shared folder you want to use as a backup repository.

- NFS share**
Add an NFS share. This is the recommended configuration for leveraging storage capacity provided by NAS devices.
- SMB share**
Add an SMB (CIFS) share. For reliability reasons, this configuration is recommended for continuously available (CA) network shares only.

Cancel

Donner un nom à la de sauvegarde



Name	Name: <input type="text" value="NAS-NUMERIKS"/>
Share	Description: Created by VEEAM-TUTO\Administrateur at 17/10/2024 11:50.
Repository	
Mount Server	
Review	
Apply	
Summary	

DECLARER LE LECTEUR RESEAUX DE SAUVEGARDE SUR LE NAS 

DECLARER LE COMPTE D'ACCES AYANT LES DROIT D'ECRIURE 

New 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="\\192.168.3.252\repository"/>  <input type="button" value="Browse..."/>
Share	Use \\server\folder format
Repository	<input checked="" type="checkbox"/> This share requires access credentials: <input type="text" value="BCK-VEEAM (BCK-VEEAM, last edited: less than a day ago)"/> <input type="button" value="Add..."/>  Manage accounts
Mount Server	Gateway server: <input type="text" value="Automatic selection"/> <input type="button" value="Choose..."/>
Review	
Apply	
Summary	

< Previous Next > Finish Cancel

IL EST POSSIBLE DE DECLARER LE NOMBRE DE TACHE EN ACCES SIMULTANEE SUR LE NAS

New Backup Repository

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

Name
Share
Repository
Mount Server
Review
Apply
Summary

Location
Path to folder: \\192.168.3.252\repository
Capacity: 884.2 GB
Free space: 5 GB
Populate

Load control
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:
 Limit maximum concurrent tasks to: 4
 Limit read and write data rate to: 1 MB/s
Advanced...

< Previous Next > Finish Cancel

DECLARATION DE L'HYPERVISEUR DE REMISE EN PRODUCTION DES VMS PERMETTANT DE RESTAURER EN PARRALELE SUR L'HYPERVISEUR DE PRODUCTION (Valable uniquement dans la version sous licence)

New 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
Share
Repository
Mount Server
Review
Apply
Summary

Mount server: VEEAM-TUTO (Backup server) Add New...

Instant recovery write cache folder: C:\ProgramData\Veeam\Backup\IRCache\ Browse...

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.

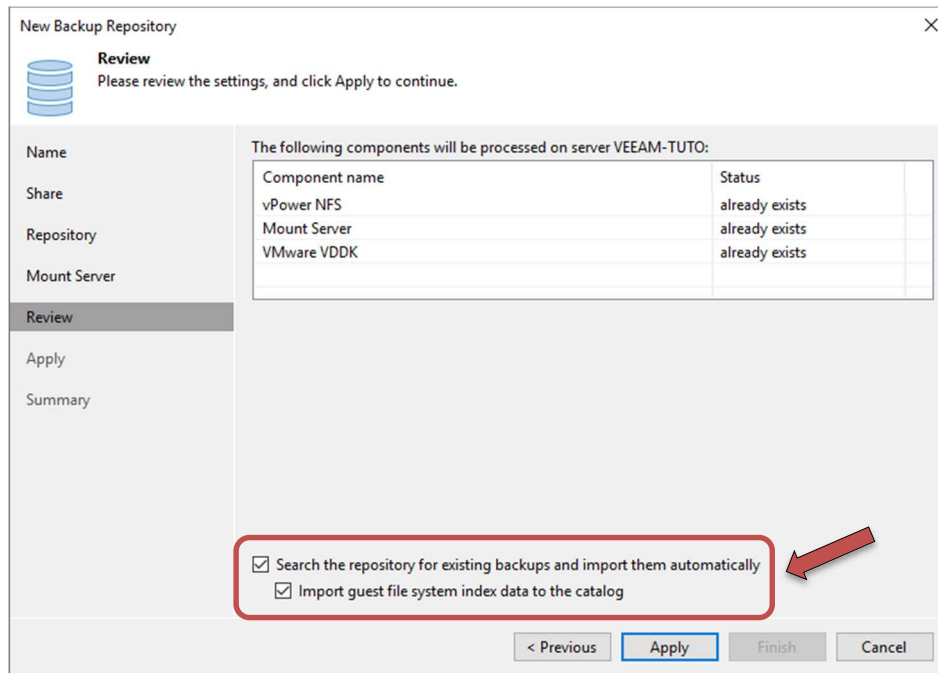
Enable vPower NFS service on the mount server (recommended) Ports...

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.

< Previous Next > Finish Cancel

VALIDER LE DEPLOIEMENT DES COMPOSANTS VEEAM DECLARER.

SI DES SAUVEGARDES SONT DEJA EXISTANTES SUR LE PARTAGE DE SAUVEGARDE, VOUS POUVEZ LES IMPORTER EN COCHANT LES 2 DERNIERES CASES.



Review
Please review the settings, and click Apply to continue.

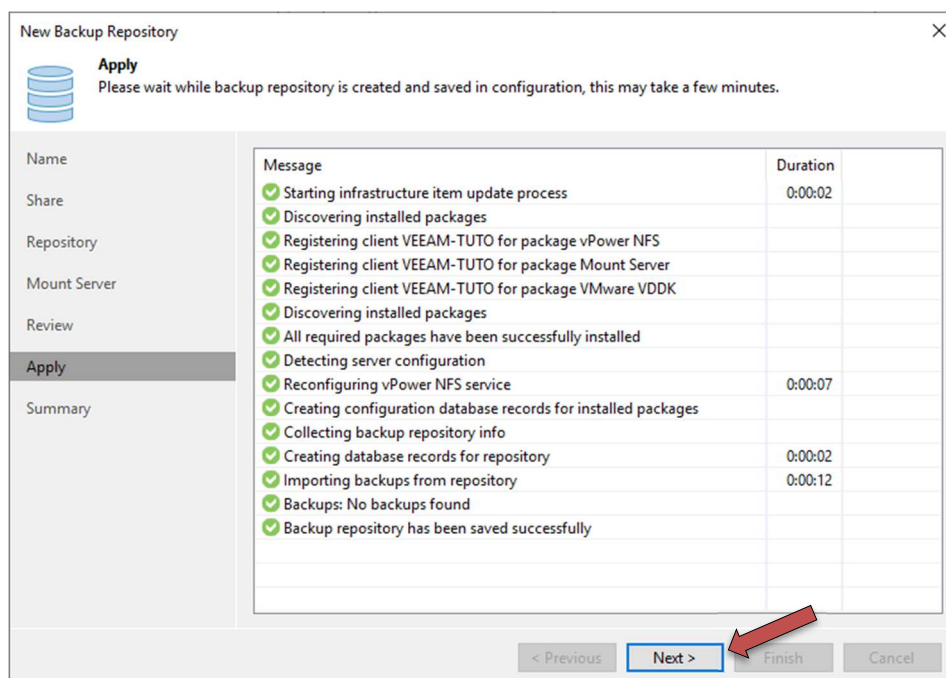
The following components will be processed on server VEEAM-TUTO:

Component name	Status
vPower NFS	already exists
Mount Server	already exists
VMware VDDK	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

SI TOUT LES COMPOSANTS SONT DEPLOYEZ ET LES ACIENNES SAUVEGARDES IMPORTER, VALIDER L'INSTALLATIION.

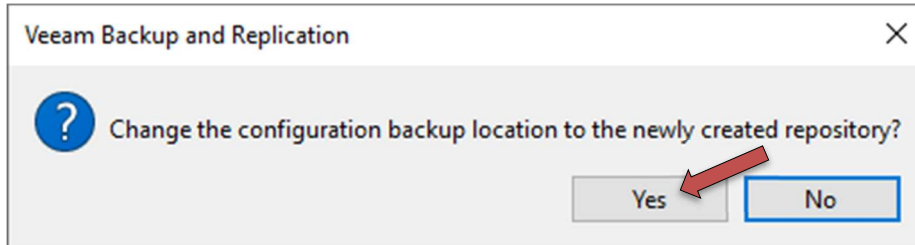


Apply
Please wait while backup repository is created and saved in configuration, this may take a few minutes.

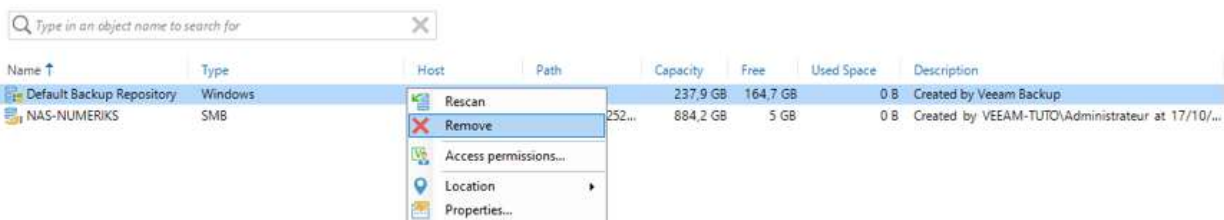
Message	Duration
Starting infrastructure item update process	0:00:02
Discovering installed packages	
Registering client VEEAM-TUTO for package vPower NFS	
Registering client VEEAM-TUTO for package Mount Server	
Registering client VEEAM-TUTO for package VMware VDDK	
Discovering installed packages	
All required packages have been successfully installed	
Detecting server configuration	
Reconfiguring vPower NFS service	0:00:07
Creating configuration database records for installed packages	
Collecting backup repository info	
Creating database records for repository	0:00:02
Importing backups from repository	0:00:12
Backups: No backups found	
Backup repository has been saved successfully	

< Previous Next > Finish Cancel

A L'ISSUE DE LA CONFIGURATION, UN MESSAGE VOUS DEMANDE SI VOUS SOUHAITEZ CHANGER LE LIEU DE SAUVEGARDE PAR DEFAULT, CONFIRMER LE.






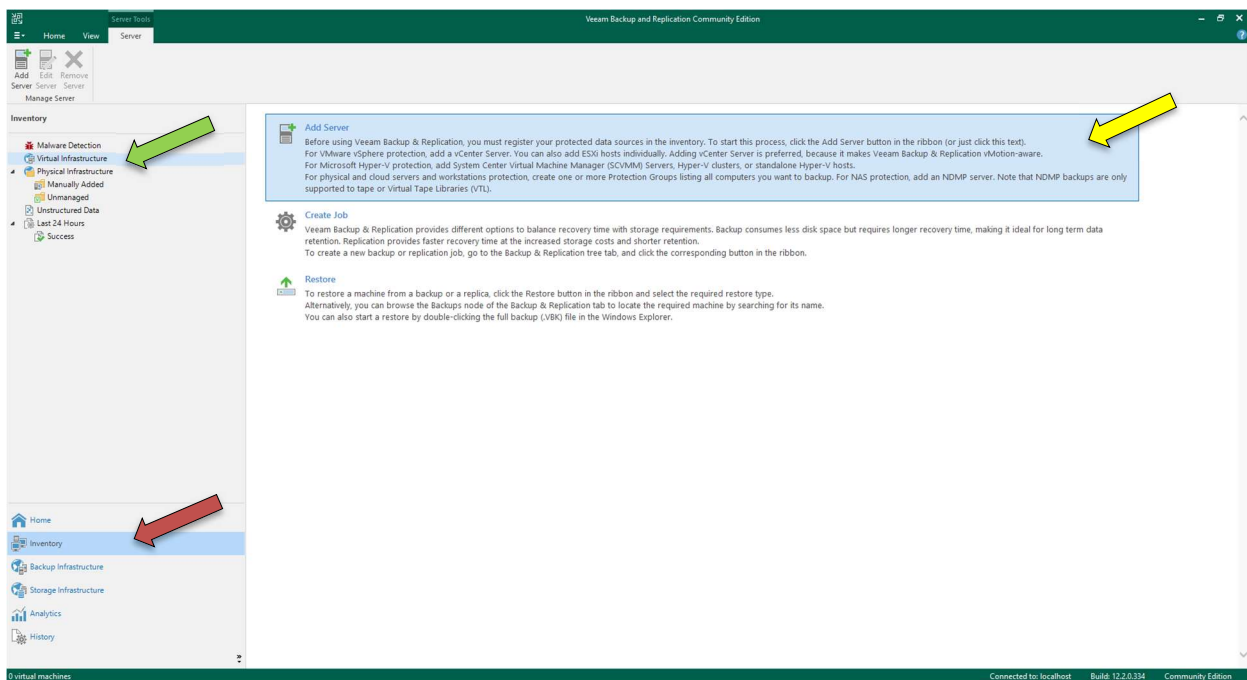
VOUS POUVEZ SUPPRIMER LE DOSSIER LOCAL CREE PAR VEEAM POUR STOCKER LES SAUVEGARDES.



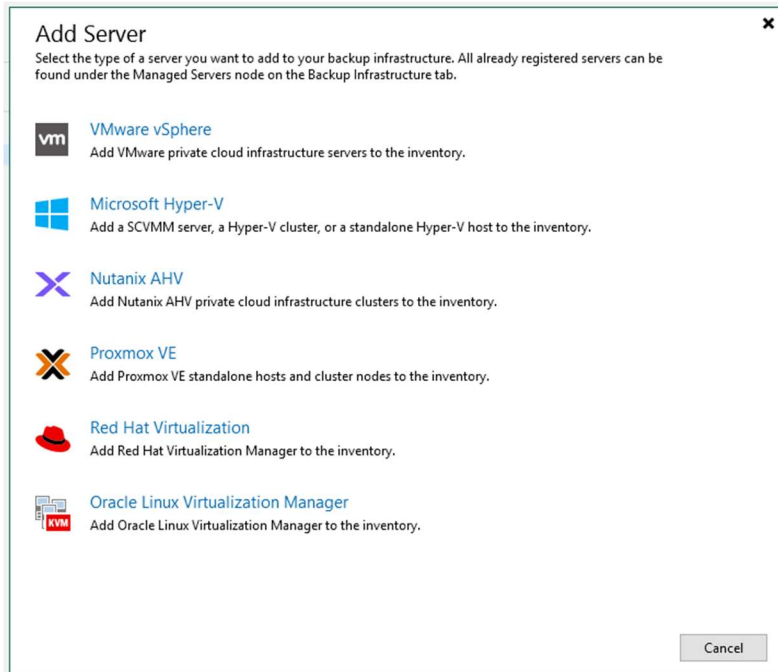
ETAPE 6 : DECLARATION DU OU DES HYPERVISEURS. (HYPERV, VMWARE, ESXI, PROXMOX ETC...)

Dans l'interface se rendre dans

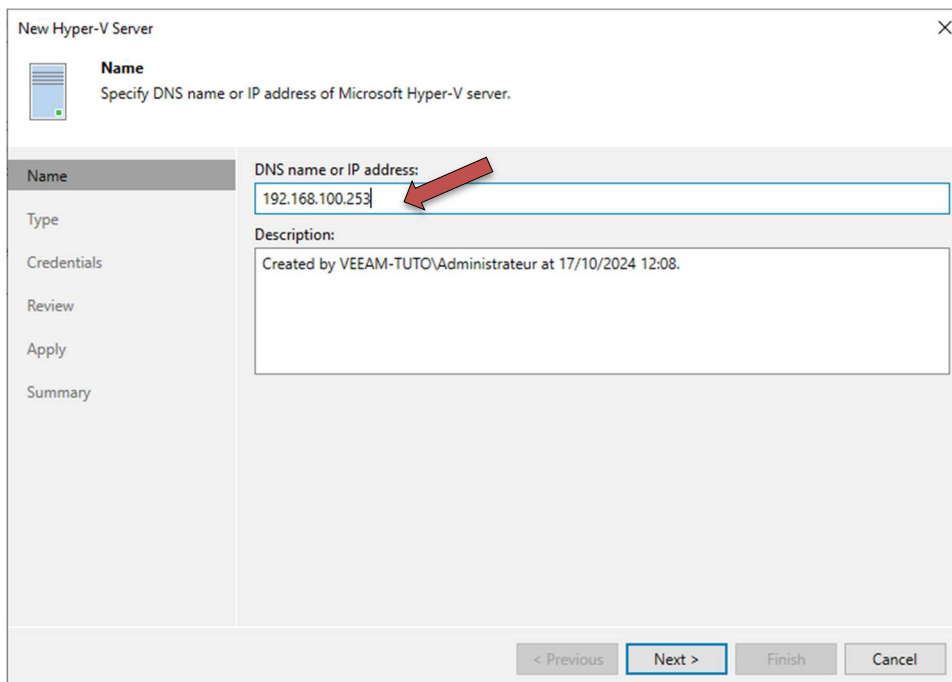
- INVENTORY 
- VIRTUAL INFRASTRUCTURE 
- ADD SERVER 



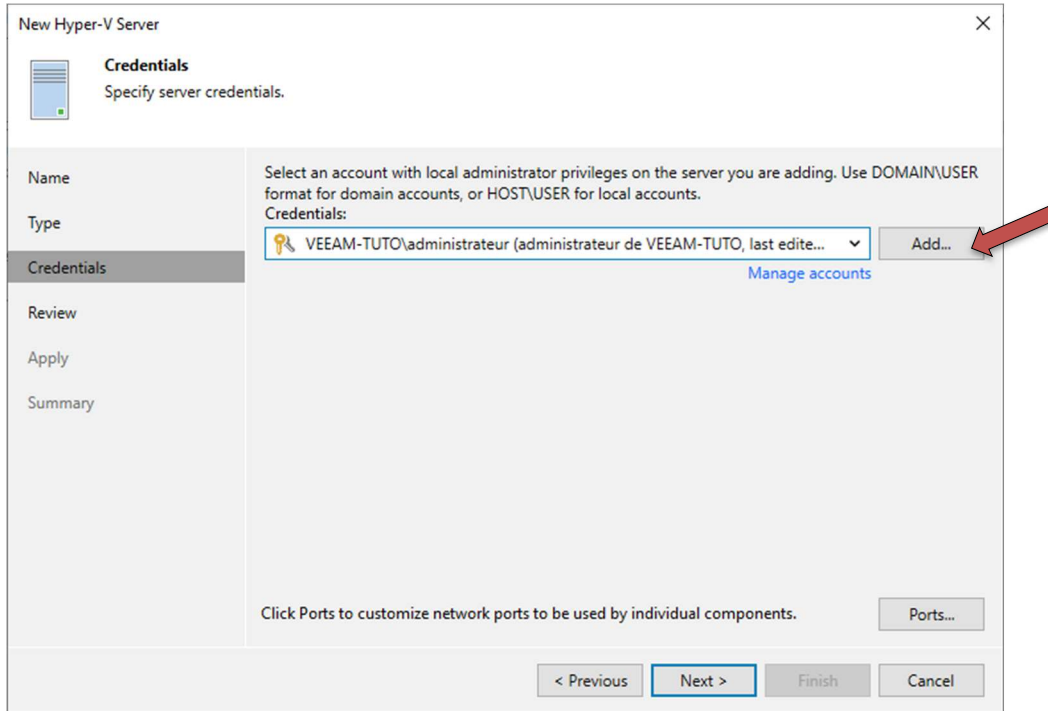
CHOISIR LA VERSION DE VOTRE HYPERVISEUR



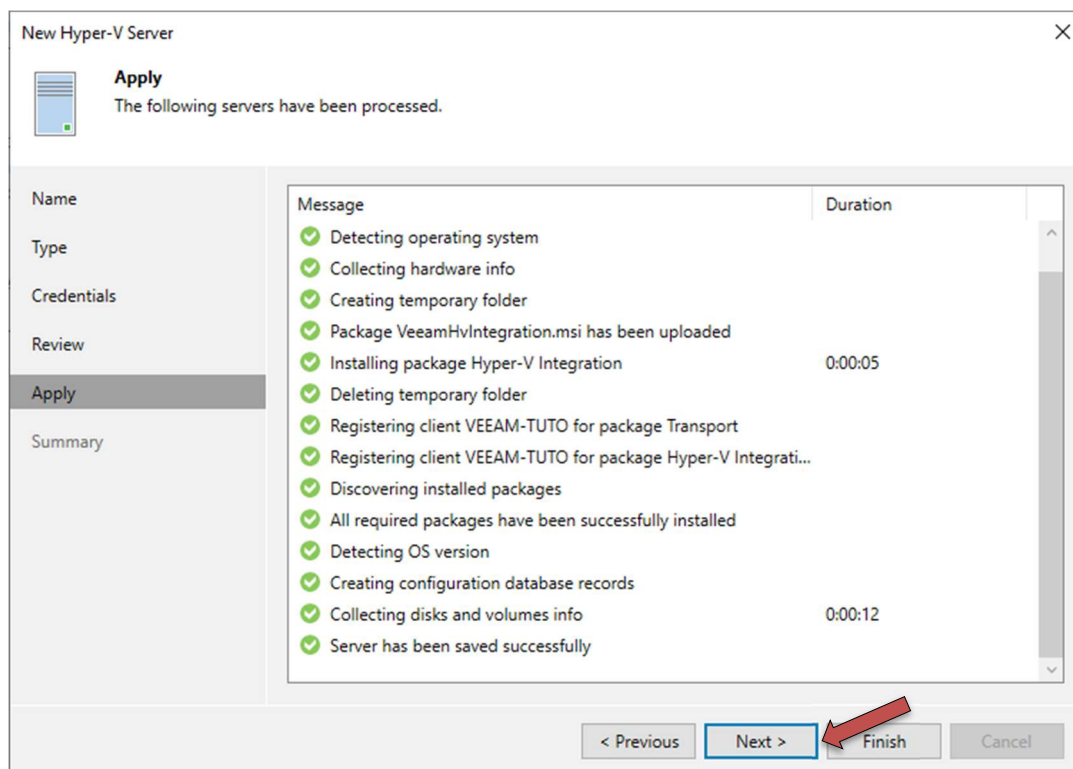
DANS LA PROCEDURE NOUS ABORDERONS LA CONFIGURATION D'UN HYPERVISEUR MICROSOFT.
DECLARATION DE L'ADRESSE IP. →



RENSEIGNER L'ADMINISTRATEUR DU SERVEUR.

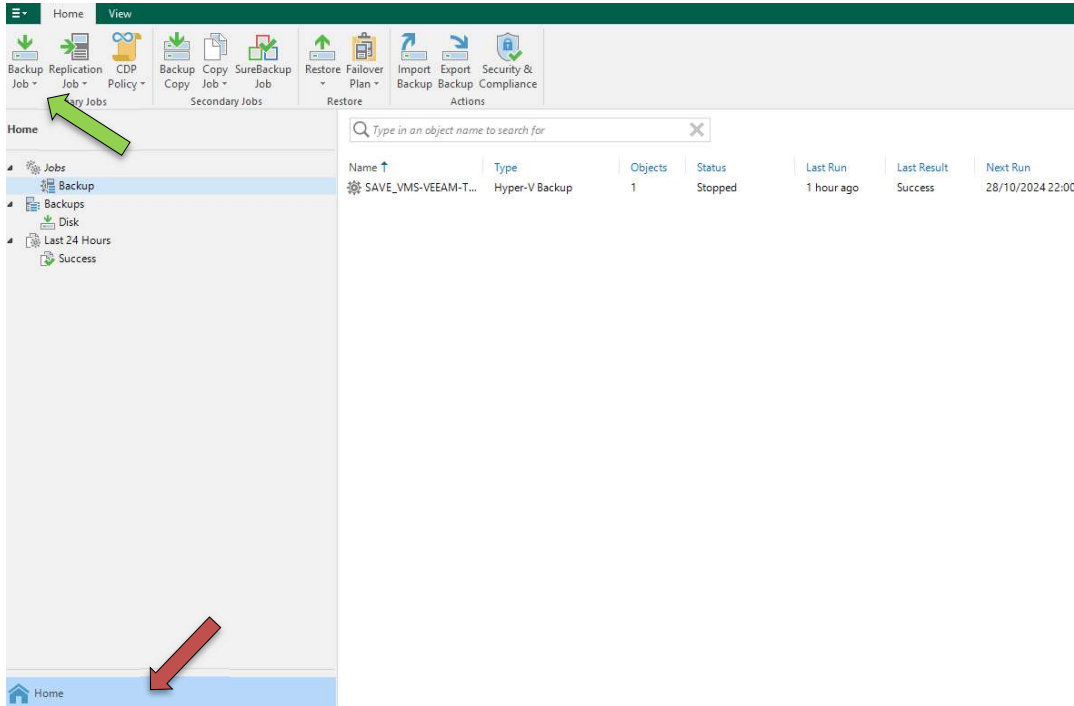


VEEAM VA ALORS RECENSER LES COMPOSANTS A INSTALLER / METTRE A JOUR, LES VMS ET LE STOCKAGE DE CELLE-CI, LEUR OS, LA VERSION, GEN1 Ou 2 ETC...

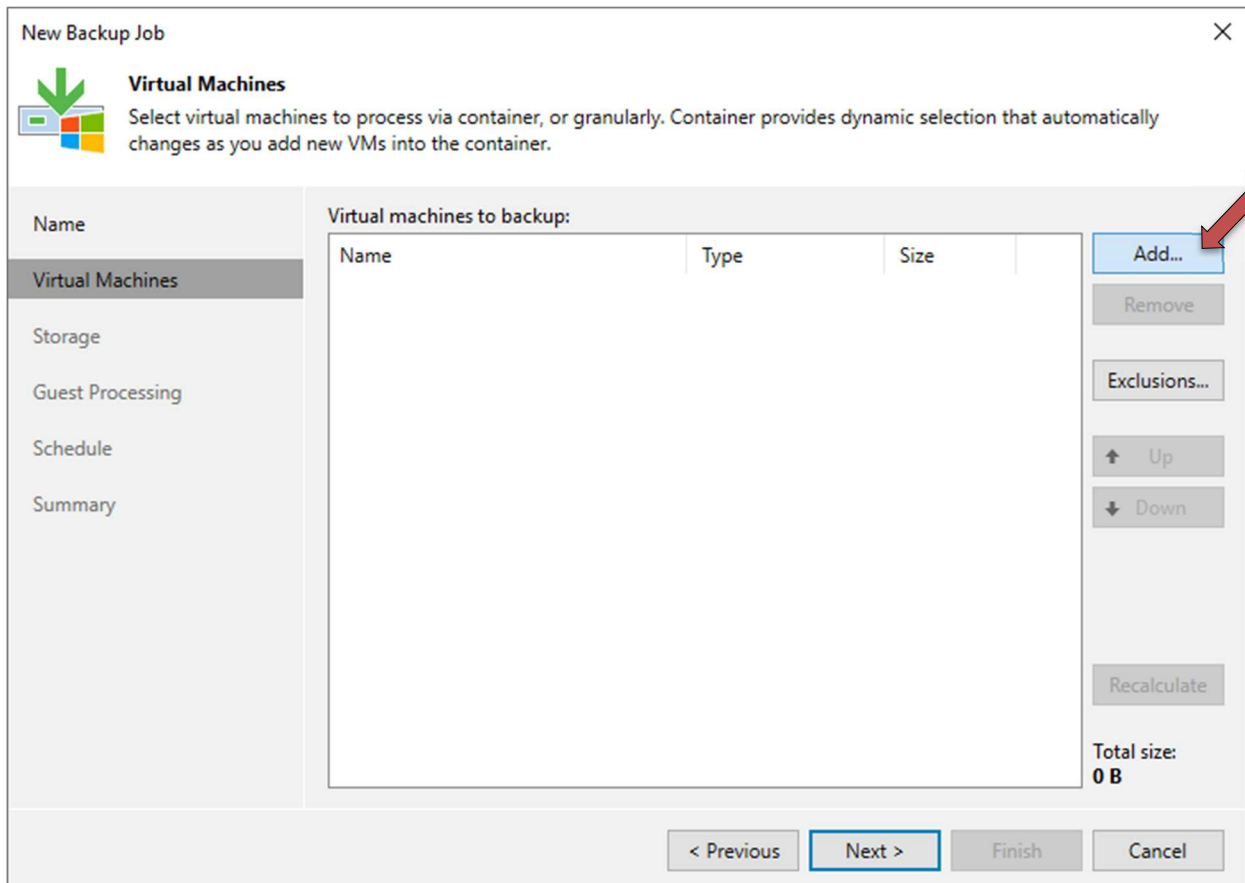


ETAPE 7 : CREATION DE LA SAUVEGARDE

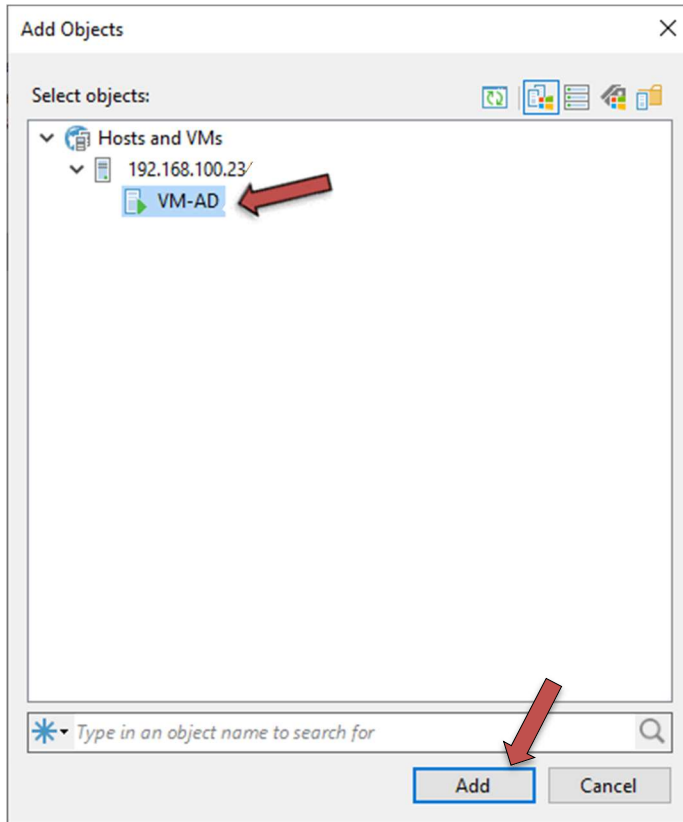
HOME 
BACKUP JOB 



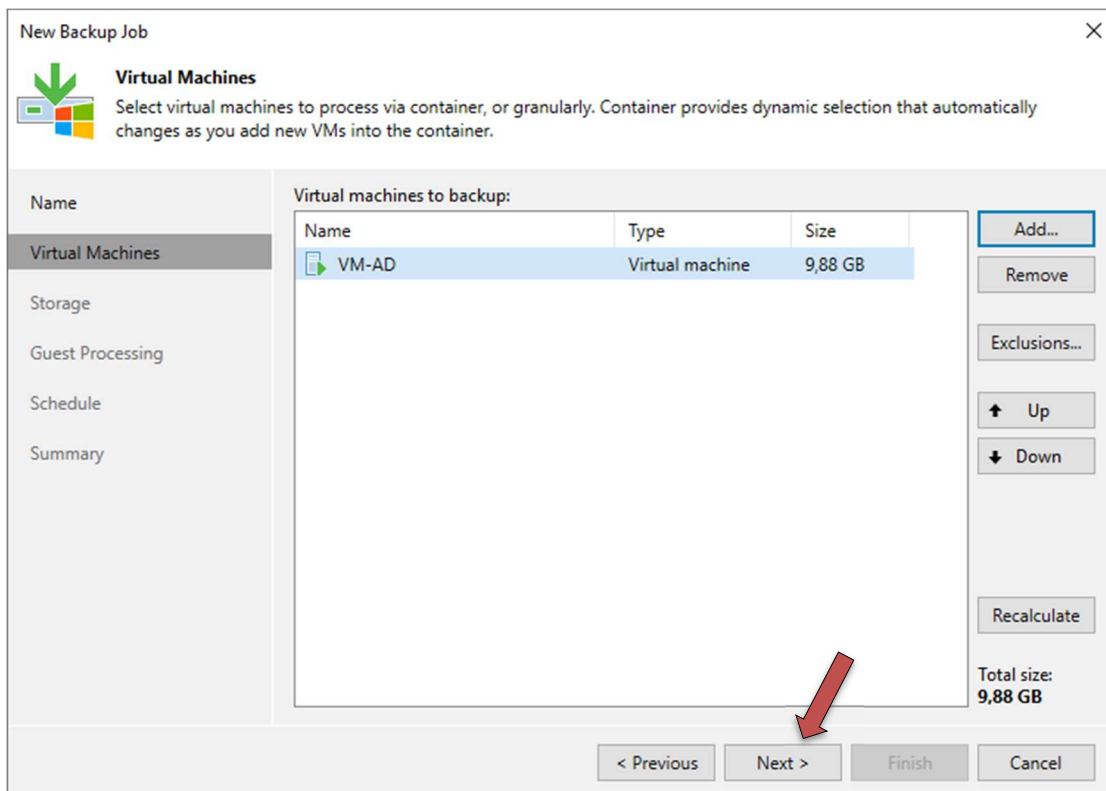
ADD







CHOISIR LA OU LES MACHINES VIRTUELLES

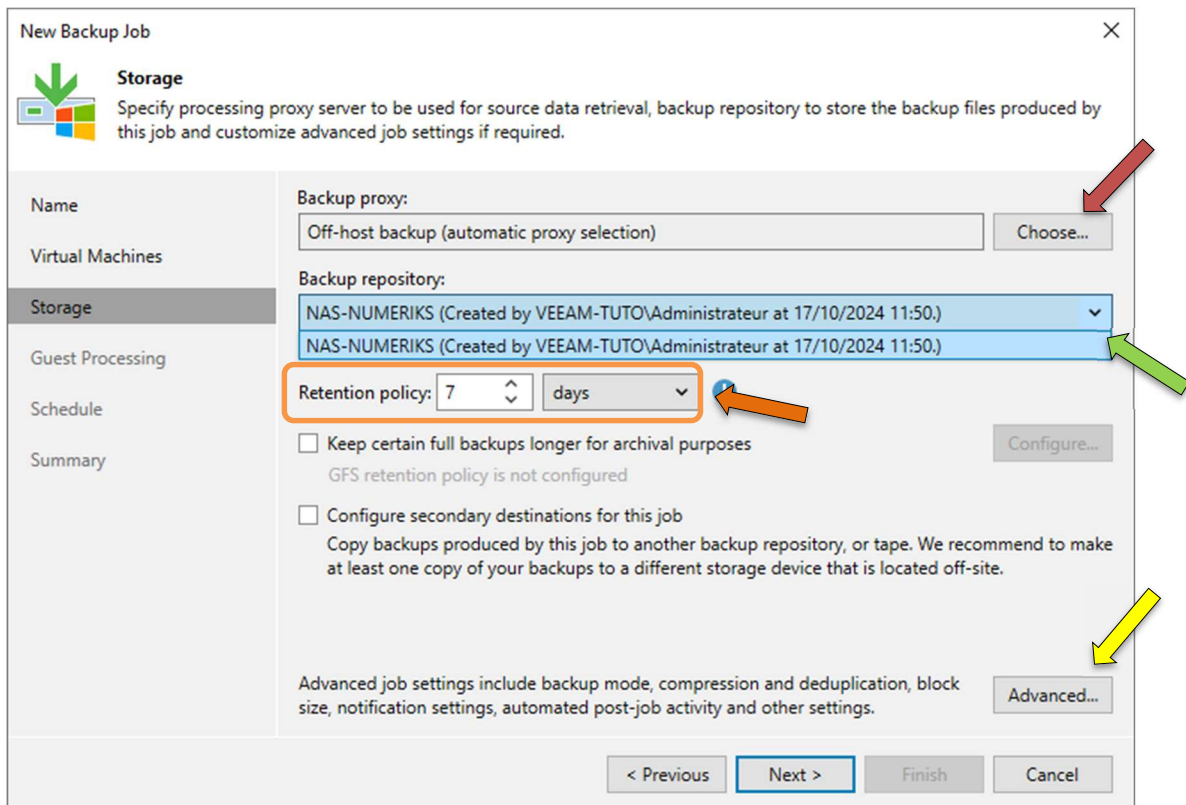


SI TOUT EST OK, VALIDEZ



EXPLICATIONS DE CERTAINES FONCTIONS SUR LA VALIDATION STORAGE

- Choix du serveur de sauvegarde VEEAM (BACKUP PROXY) – Ci-joint choix par default 
- Choix du lieu de stockage de la sauvegarde 
- Choisir Advanced pour les configurations liés à la sauvegarde 
- Option « retentions Policy » Configurer le nombre de jours ou de versions à conserver 



New Backup Job [X]

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-NUMERIKS (Created by VEEAM-TUTO\Administrateur at 17/10/2024 11:50.)
NAS-NUMERIKS (Created by VEEAM-TUTO\Administrateur at 17/10/2024 11:50.)

Storage
Retention policy: 7 days


Keep certain full backups longer for archival purposes
GFS retention policy is not configured [Configure...]


Configure secondary destinations for this job
Copy backups produced by this job to another backup repository, or tape. We recommend to make at least one copy of your backups to a different storage device that is located off-site.

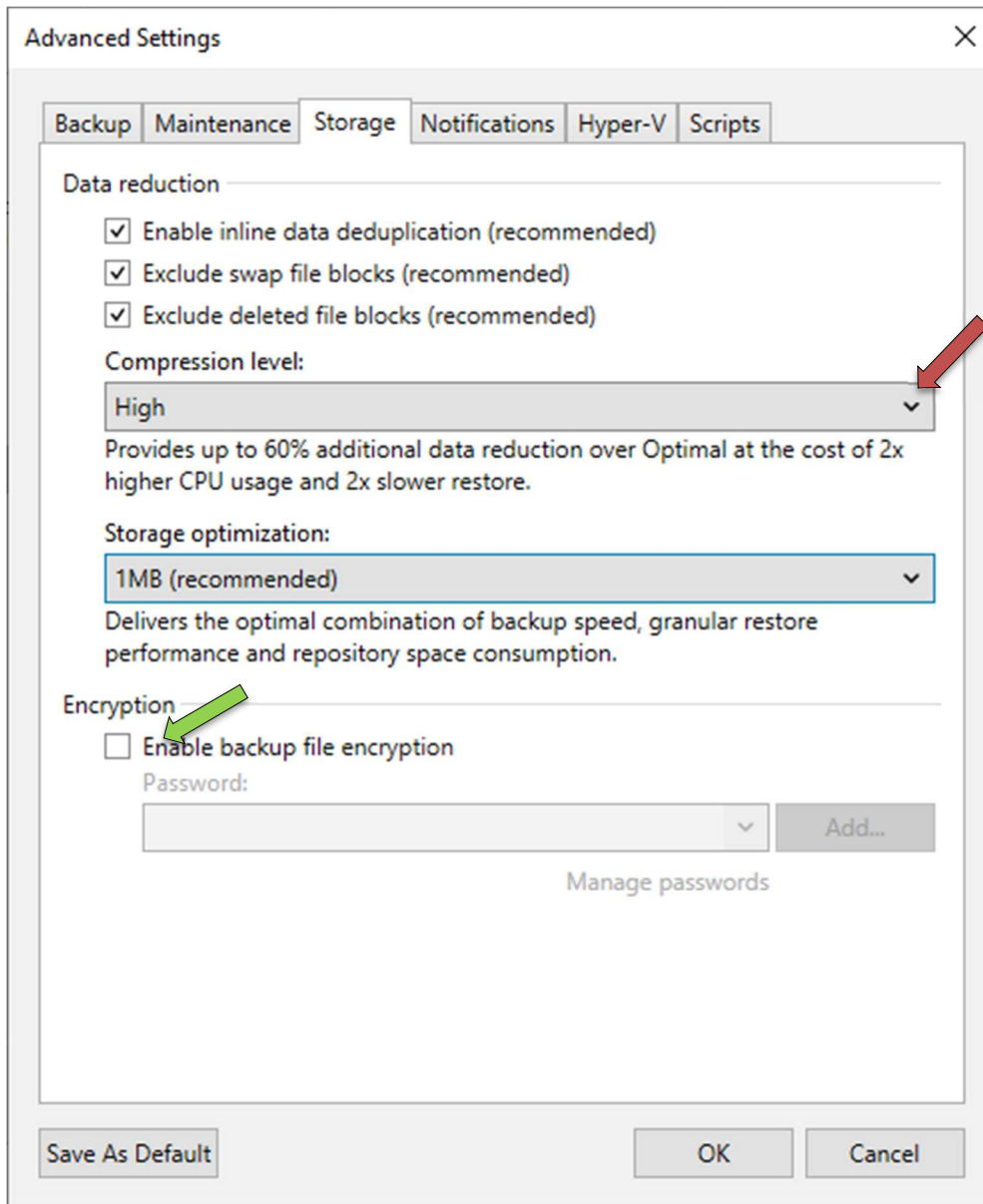
Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. [Advanced...]

< Previous Next > Finish Cancel

Onglet « Storage »

Choisir le Taux de compression de la sauvegarde (joue sur la charge CPU) 

Il est possible d'ajouter un mot de passe de chiffrement a la sauvegarde 



Advanced Settings

Backup Maintenance **Storage** Notifications Hyper-V Scripts

Data reduction

- Enable inline data deduplication (recommended)
- Exclude swap file blocks (recommended)
- Exclude deleted file blocks (recommended)

Compression level:

High

Provides up to 60% additional data reduction over Optimal at the cost of 2x higher CPU usage and 2x slower restore.

Storage optimization:

1MB (recommended)

Delivers the optimal combination of backup speed, granular restore performance and repository space consumption.

Encryption

Enable backup file encryption

Password:

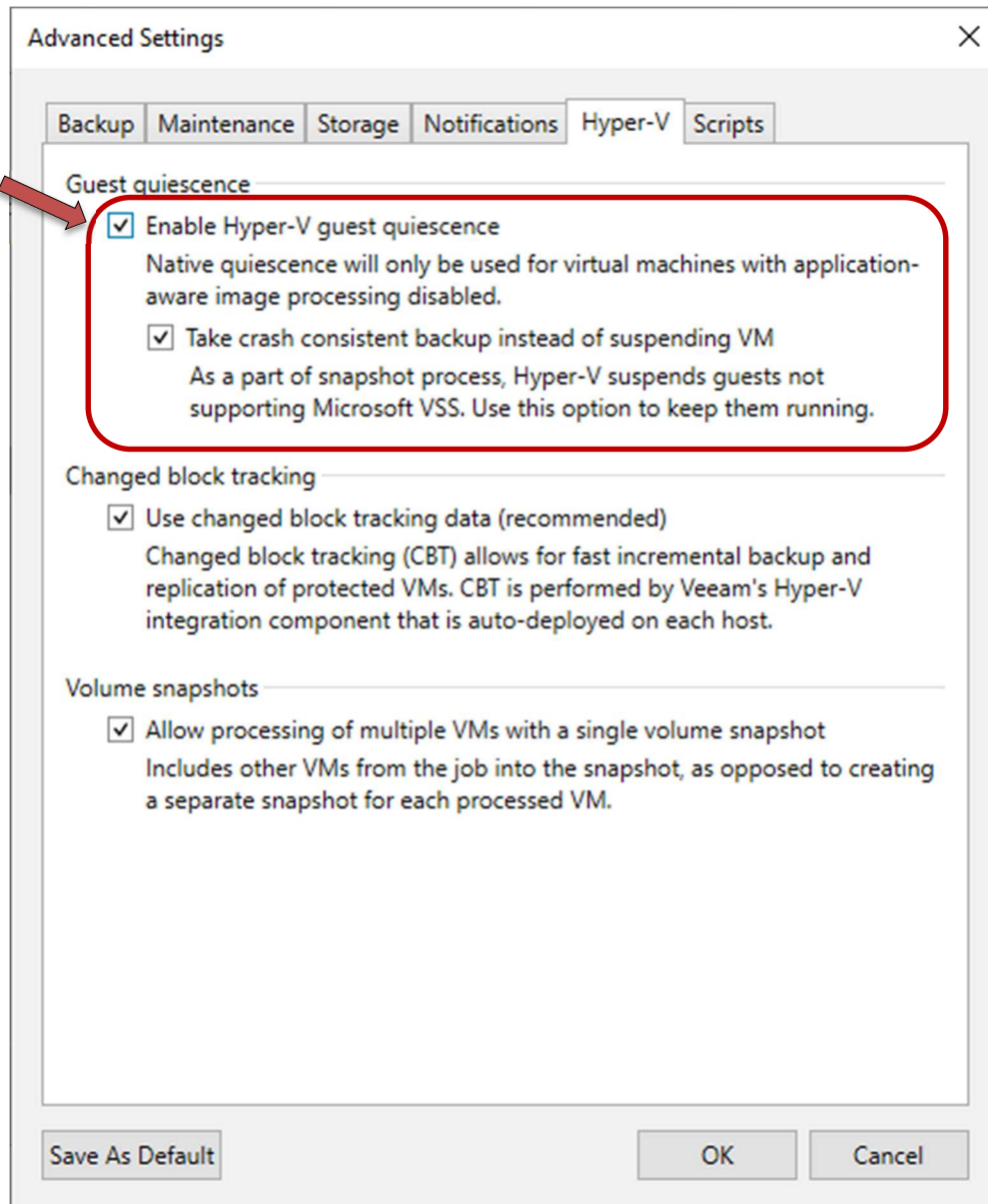
Add...

Manage passwords

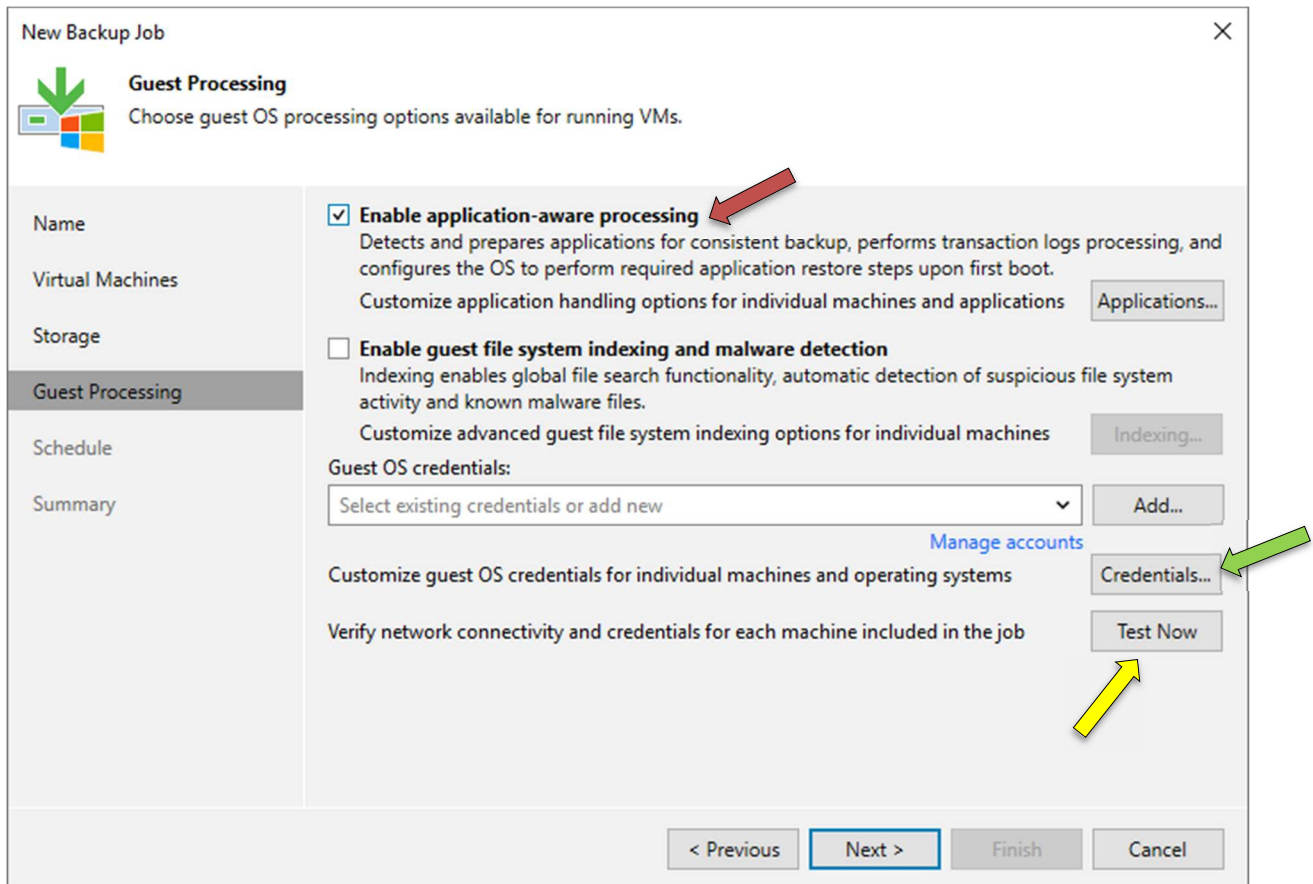
Save As Default OK Cancel

Onglet « HYPER-V »

Dans le cadre d'un serveur HYPER-V Microsoft, Cochez ces 2 cases




Dans « Guest Processing » Cochez l'option *Enable application-aware Processing Credentials* 

New Backup Job

Guest Processing
Choose guest OS processing options available for running VMs.

Name **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 **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 Processing

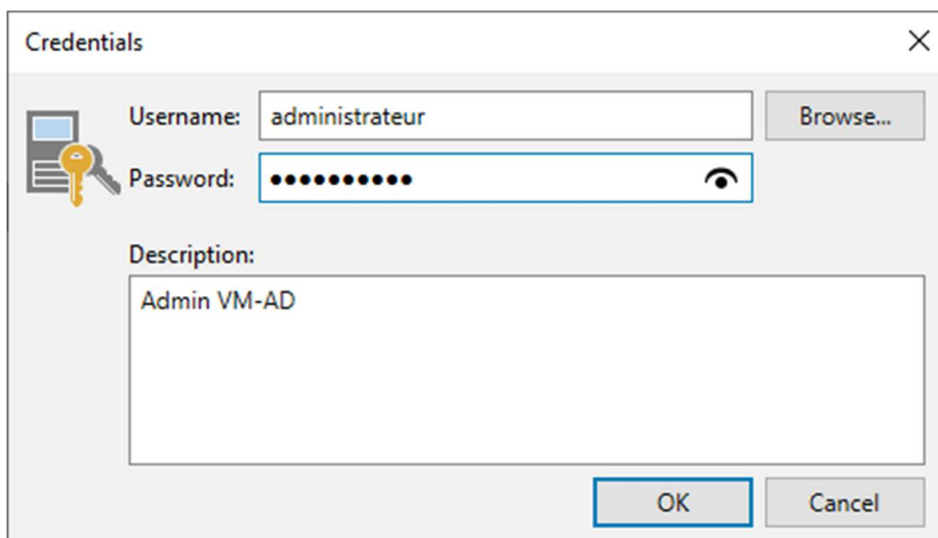
Schedule

Summary

Guest OS credentials:
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 


< Previous **Next >** Finish Cancel

Déclarer l'administrateur de la machine Virtuel ou du domaine de la machine, puis « *Test Now* » 



Credentials

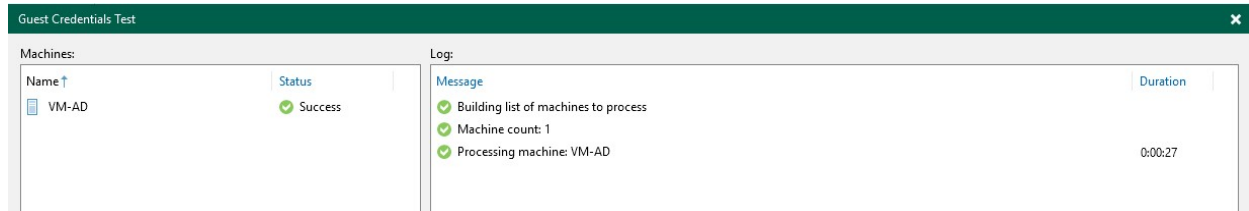
Username: Browse...

Password: 

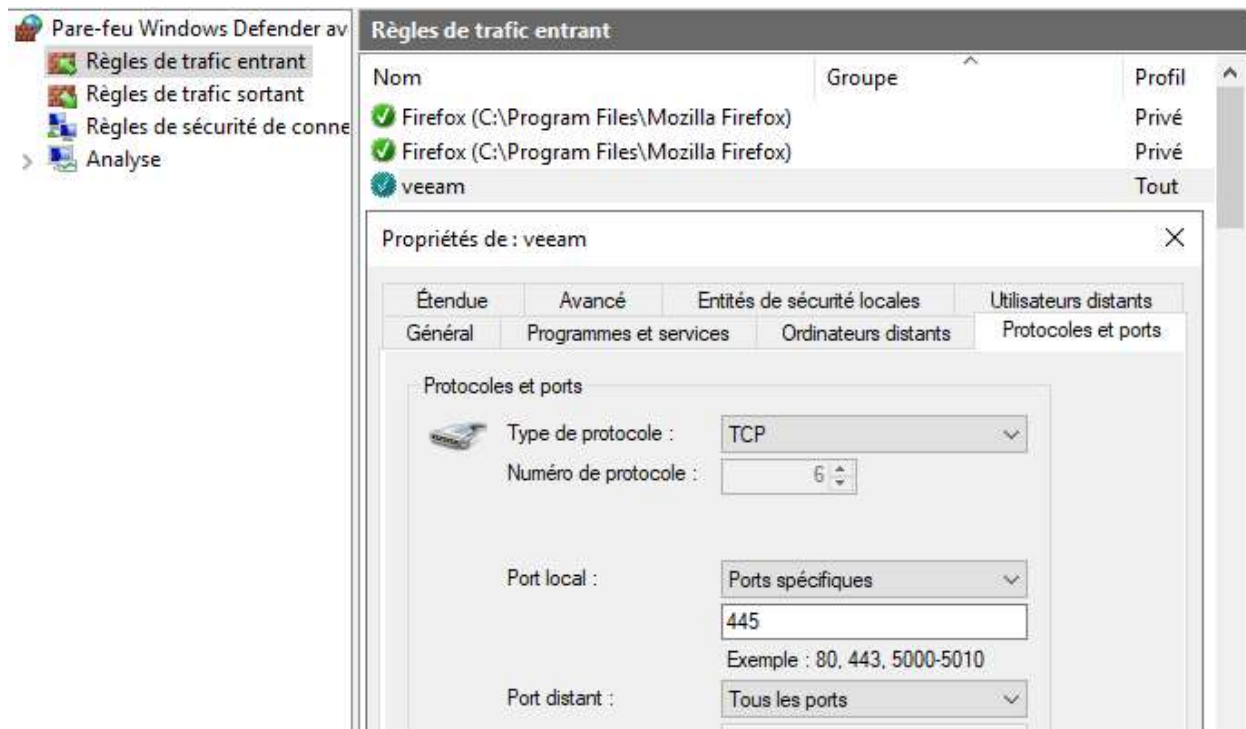
Description:

OK Cancel

Si le test est concluant, le ou les serveurs sont en status « *Success* » vous pouvez validez et passer a la suite.

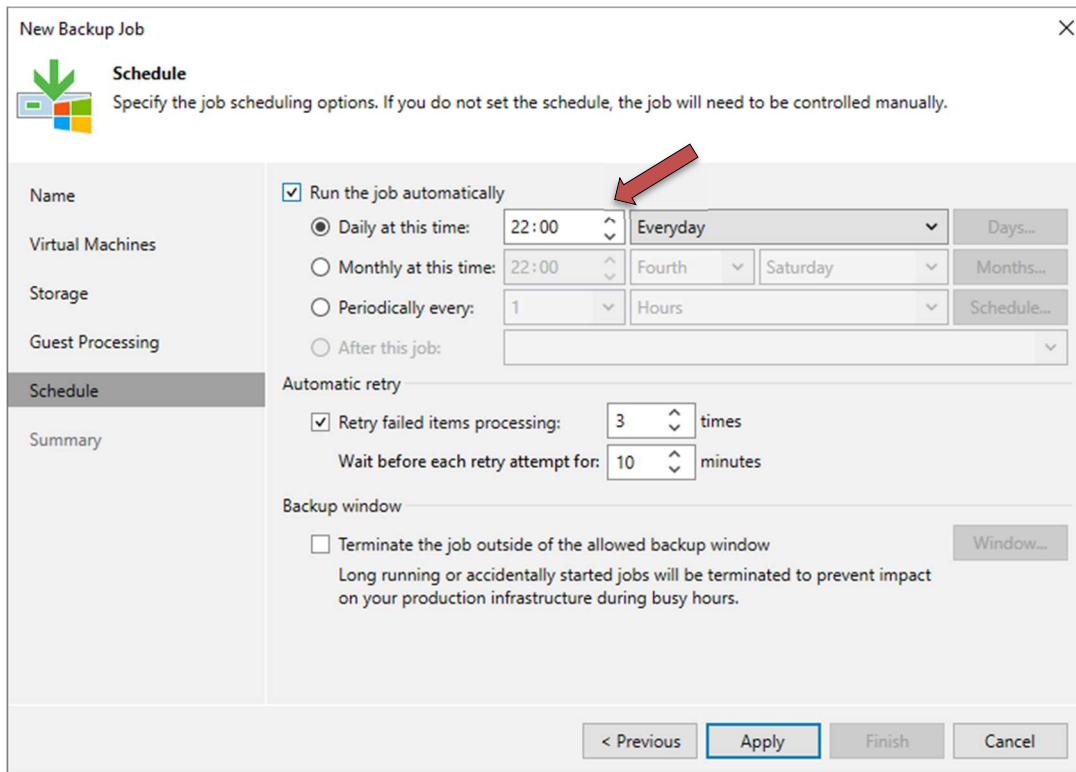


En cas d'erreur, petit Tips trouvé sur les Forums VEEAM, il faut ouvrir en Traffic entrant sur le port 445 en TCP (A faire sur les VMS Concernées)



Onglet « Schedule »

Choisir les Horaires, jours de sauvegarde et le nombre de retry 



New Backup Job

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

Name

Virtual Machines

Storage

Guest Processing

Schedule

Summary

Run the job automatically

Daily at this time: 22:00 Everyday Days...

Monthly at this time: 22:00 Fourth Saturday Months...

Periodically every: 1 Hours Schedule...

After this job:

Automatic retry

Retry failed items processing: 3 times

Wait before each retry attempt for: 10 minutes

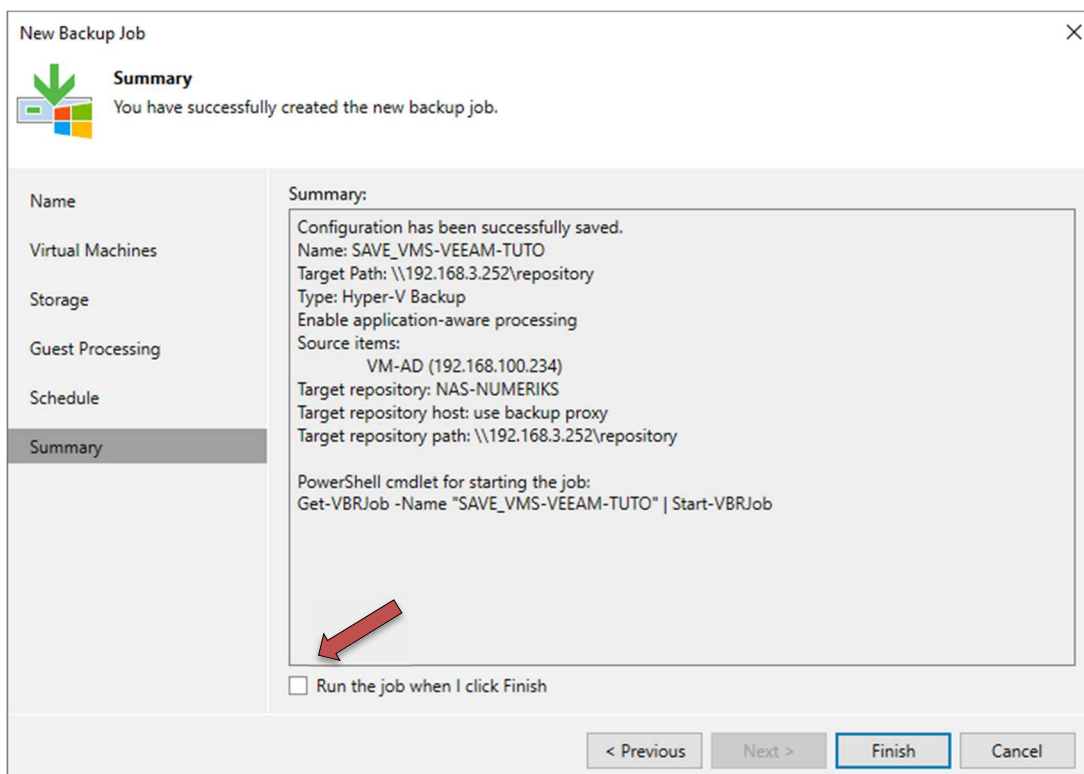
Backup window

Terminate the job outside of the allowed backup window Window...

Long running or accidentally started jobs will be terminated to prevent impact on your production infrastructure during busy hours.

< Previous Apply Finish Cancel

Vous avez le choix de démarrer la sauvegarde immédiatement. 



New Backup Job

Summary
You have successfully created the new backup job.

Name

Virtual Machines

Storage

Guest Processing

Schedule

Summary


Summary:

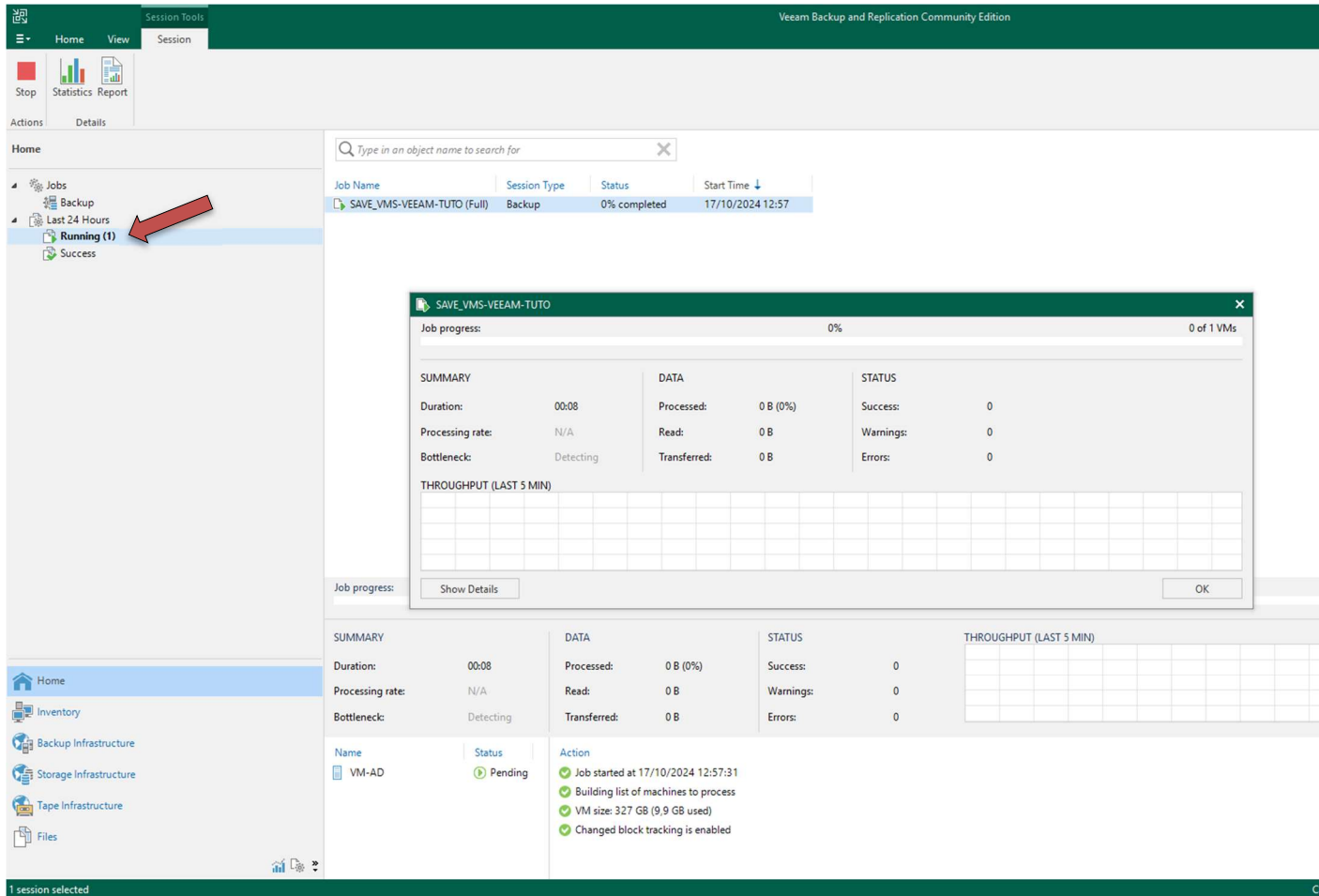
Configuration has been successfully saved.
Name: SAVE_VMS-VEEAM-TUTO
Target Path: \\192.168.3.252\repository
Type: Hyper-V Backup
Enable application-aware processing
Source items:
VM-AD (192.168.100.234)
Target repository: NAS-NUMERIKS
Target repository host: use backup proxy
Target repository path: \\192.168.3.252\repository

PowerShell cmdlet for starting the job:
Get-VBRJob -Name "SAVE_VMS-VEEAM-TUTO" | Start-VBRJob

Run the job when I click Finish

< Previous Next > Finish Cancel

Vous pouvez suivre la sauvegarde en cours dans « *Running* » 



The screenshot shows the Veeam Backup and Replication Community Edition interface. On the left, the 'Jobs' tree is expanded to 'Running (1)', with a red arrow pointing to it. The main pane displays a table with one job: 'SAVE_VMS-VEEAM-TUTO (Full)' in 'Backup' mode, '0% completed', starting at '17/10/2024 12:57'. A modal window titled 'SAVE_VMS-VEEAM-TUTO' is open, showing job progress at 0% for 0 of 1 VMs. It includes summary, data, and status sections.

SUMMARY		DATA		STATUS	
Duration:	00:08	Processed:	0 B (0%)	Success:	0
Processing rate:	N/A	Read:	0 B	Warnings:	0
Bottleneck:	Detecting	Transferred:	0 B	Errors:	0

THROUGHPUT (LAST 5 MIN)

Name	Status	Action
VM-AD	Pending	<ul style="list-style-type: none"> Job started at 17/10/2024 12:57:31 Building list of machines to process VM size: 327 GB (9,9 GB used) Changed block tracking is enabled

FELICITATIONS LA PREMIERE SAUVEGARDE EST FOCNTIONNEL



The screenshot shows the Veeam Backup and Replication interface with a completed backup job. The main pane displays a table with one job: 'VM-AD' in 'Backup' mode, 'Success', starting at '28/10/2024 12:57'. A modal window titled 'VM-AD' is open, showing job progress at 100% for 1 of 1 VMs. It includes summary, data, and status sections.

SUMMARY		DATA		STATUS	
Duration:	04:28	Processed:	18,7 GB (100%)	Success:	1 ✓
Processing rate:	74 MB/s	Read:	10,5 GB	Warnings:	0
Bottleneck:	Target	Transferred:	5,3 GB (2x)	Errors:	0

THROUGHPUT (ALL TIME)



Speed: 103 MB/s


Name	Status	Action	Duration
VM-AD	Success	<ul style="list-style-type: none"> Job started at 28/10/2024 12:57:28 Building list of machines to process VM size: 327 GB (13,6 GB used) Changed block tracking is enabled Processing VM-AD Load: Source 2% > Proxy 39% > Network 21% > Target 84% Primary bottleneck: Target Job finished at 28/10/2024 13:01:57 	00:04

ETAPE 8 : EXTERNALISATION DE LA SAUVEGARDE / SECOND STOCKAGE DE SAUVEGARDE « BACKUP COPY »



Nommer la copie et la façon dont il sera copié, soit immédiatement, soit de manière périodique 

New Backup Copy Job ✕

 **Job**
Backup copy job efficiently creates local and remote copies of your backups, making it easy to maintain multiple copies of your data. Type in a name and description for the job, and specify backup copy interval.

Job

Objects

Target

Data Transfer

Schedule

Summary


Name:

Description:

Copy mode:

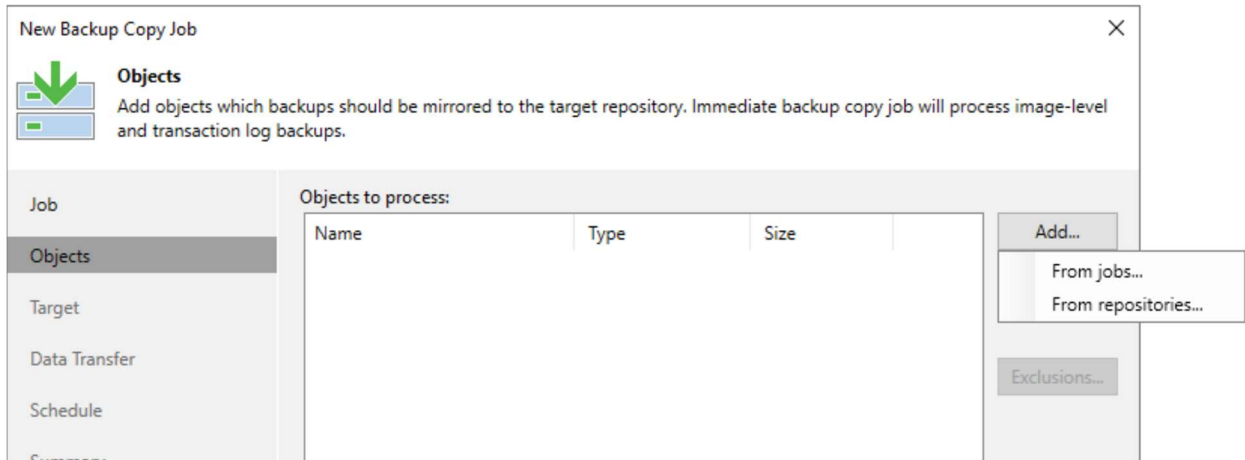
Immediate copy (mirroring)
Copies every restore point as soon as it appears in the primary backup repository. This mode will copy all backups created by selected backup jobs, including transaction log backups.

Periodic copy (pruning)
Periodically copies the latest available restore point only. This mode also allows for selecting which backups to process, enabling you to further reduce bandwidth usage.



< Previous Finish Cancel

Choisir « From Jobs »



SELECTIONNEZ LE JEU DE SAUVEGARDE

