

The VEEAM logo consists of the word "VEEAM" in a white, lowercase, sans-serif font. The letters are bold and closely spaced. A white horizontal line is positioned below the letters, starting from the left edge of the logo and extending under the "V", "E", and "E" characters.

# VEEAM Backup

AIRRIA®  
informatique



# VEEAM en résumé

Veeam est une entreprise créée en 2006, spécialisée dans les solutions de sauvegarde, de restauration et de réplication des machines virtuelles.

-500 000 utilisateurs de VEEAM

-193 000 clients

-39 000 partenaires

-11 millions de VM protégés

Partenaires: Microsoft, VMware, Cisco

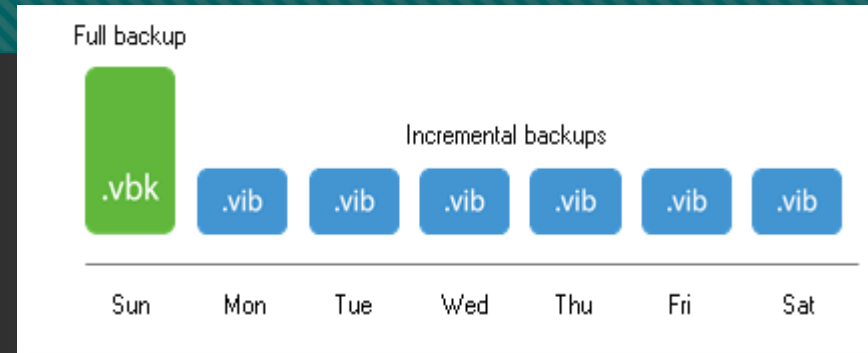
Ses clients : L'Oréal, Brink's, Gamestop, Mazda

# Les offres de Veeam

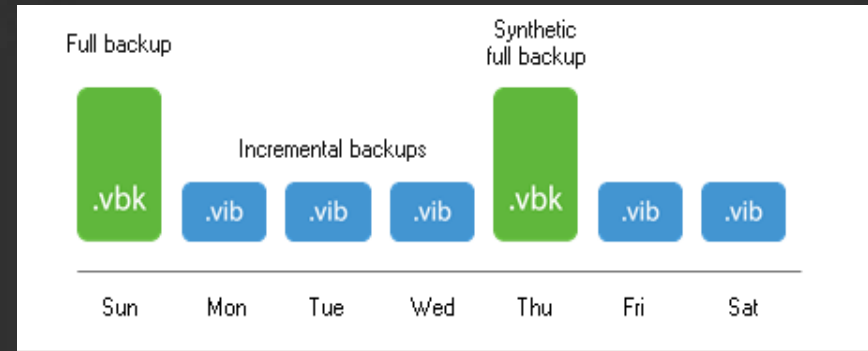
- **Veeam backup et réplication** : Sauvegarde, restauration et réplication des VM, la restauration peut se faire sur d'autres hôtes. Restauration très rapide.
- **Veeam essential's pack (availability suite)** : Console Veeam backup + Veeam ONE pour les petites entreprises.
- **Veeam backup endpoint** : permet la sauvegarde des machines physiques. La restauration peut se faire sur d'autres système. Simple et intuitif

# Méthodes de sauvegardes prises en charges

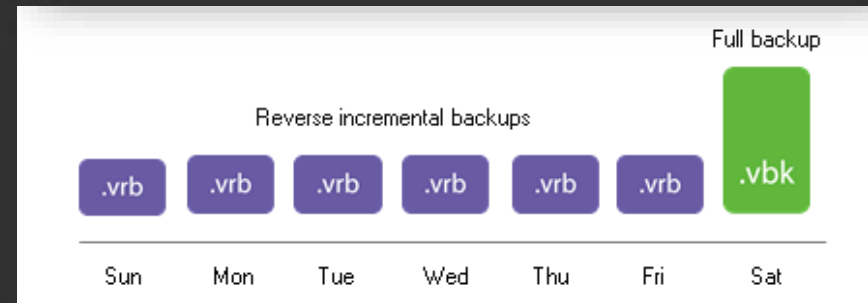
- Sauvegarde incrémentielle perpétuelle directe (méthode par défaut pour les chaînes de sauvegarde)



- Sauvegarde incrémentielle directe (recommandée pour les sauvegardes disk-to-disk-to-tape et de sites distants)



- Sauvegarde incrémentielle inversée (recommandée pour les sauvegardes sur disque)



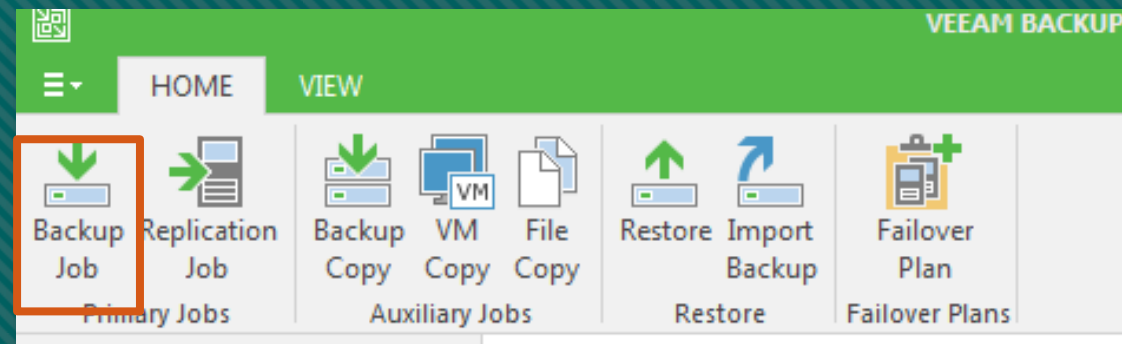
# Points positifs

- Restauration, sauvegarde, rapide des VM.
- Job simple et paramétrable (choix des méthodes de sauvegarde)
- Reconnu par RG et visible depuis par le superviseur.
- Compatible VMware et Hyper-V.
- Choisir son lieu de sauvegarde et de restauration.
- Si il détecte qu'il n'y a plus de sauvegarde a l'endroit prévu il en refait une complète.

# Contraintes


- Tout les logiciels sont en anglais et certaines parties du site VEEAM sont aussi en Anglais.
- Les consoles Veeam doivent avoir la même version de mise à jour, sinon problème de compatibilité.
- Le service « Veeam transport » est nécessaire au transport des VM sur différents serveurs hôtes.
- Support hotline: On comprend pas forcément les personnes.

# Créer un Backup Job



Donner un nom à  
votre Job.

Créer un backup Job [Backup Job 1]

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

Name:

Description:

Virtual Machines

Storage

Guest Processing

Schedule

Summary

< Previous   Next >   Finish   Cancel





## Configurer les paramètres de stockage

### 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**

Virtual Machines

**Storage**

Guest Processing

Schedule

Summary

Backup proxy:

Backup repository:

202,8 GB free of 298,1 GB

Retention policy

Restore points to keep on disk:

Configure secondary destinations for this job


Use the backups produced by this job to satisfy backup requirement by archiving backups to tape, or efficiently creating remote backups and replicas over WAN.

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

< Previous   Next >   Finish   Cancel

Choisir les paramètres d'hôtes avec les paramètres d'authentification.

**Edit Backup Job [Backup Job 1]**

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

Name

Virtual Machines

Storage

**Guest Processing**


Schedule

Summary

**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 VMs and applications [Applications..](#)

**Enable guest file system indexing**  
Creates catalog of guest files to enable browsing, searching and 1-click restores of individual files. Indexing is optional, and is not required to perform instant file level recoveries.  
Customize advanced guest file system indexing options for individual VMs [Indexing...](#)

Guest OS credentials \_\_\_\_\_

 SRV-TEST\Administrateur (SRV-TEST\Administrateur, last edited: 5 d; [Add...](#)

[Manage accounts](#)

Customize guest OS credentials for individual VMs and operating systems [Credentials..](#)

Guest interaction proxy:  
 [Choose...](#)

[Test Now](#)

< Previous    Next >    Finish    Cancel

## Définir les paramètres d'exécution du Job

**Edit Backup Job [Backup Job 1]**

**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 samedi Months...

Periodically every: 1 Hours Schedule...

After this job: Backup Job Chocapic (Created by UTILISATEUR-PC\pbihel at 06)

Automatic retry

Retry failed VMs processing: 3 times

Wait before each retry attempt for: 10 minutes

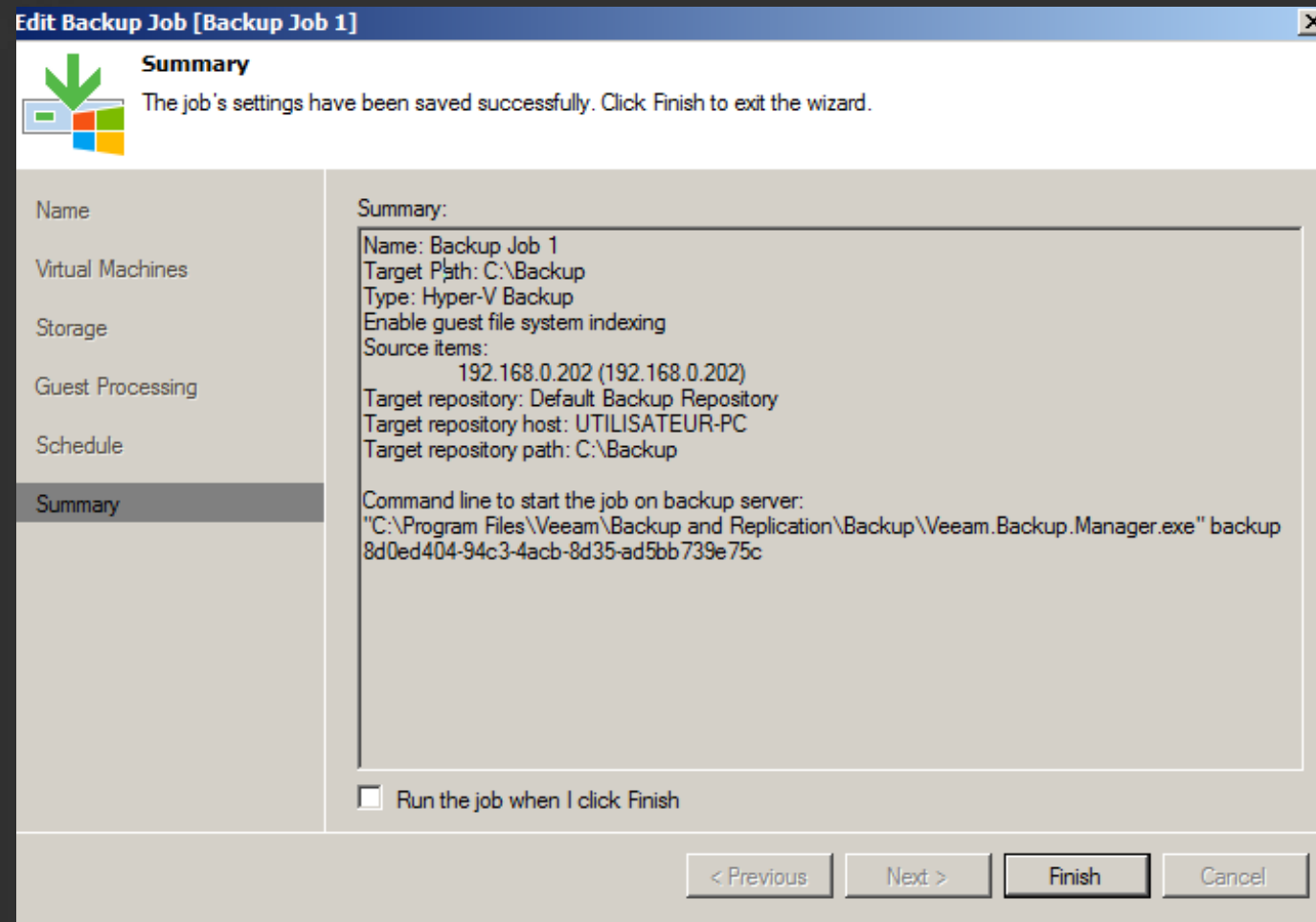
Backup window

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.

< Previous Next > Finish Cancel

Récapitulatif de la création du job. Possibilité de lancer le job après avoir cliquer sur finish.



## Exécution du Backup Job

**Backup Job 1 (Full)** [Close]

Job progress: 3% 0 of 3 VMs

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SUMMARY		DATA		STATUS	
Duration:	0:01:31	Processed:	1,3 GB (3%)	Success:	0
Processing rate:	85 MB/s	Read:	1,3 GB	Warnings:	0
Bottleneck:	Target	Transferred:	643,3 MB (2x)	Errors:	0

THROUGHPUT (LAST 5 MIN)

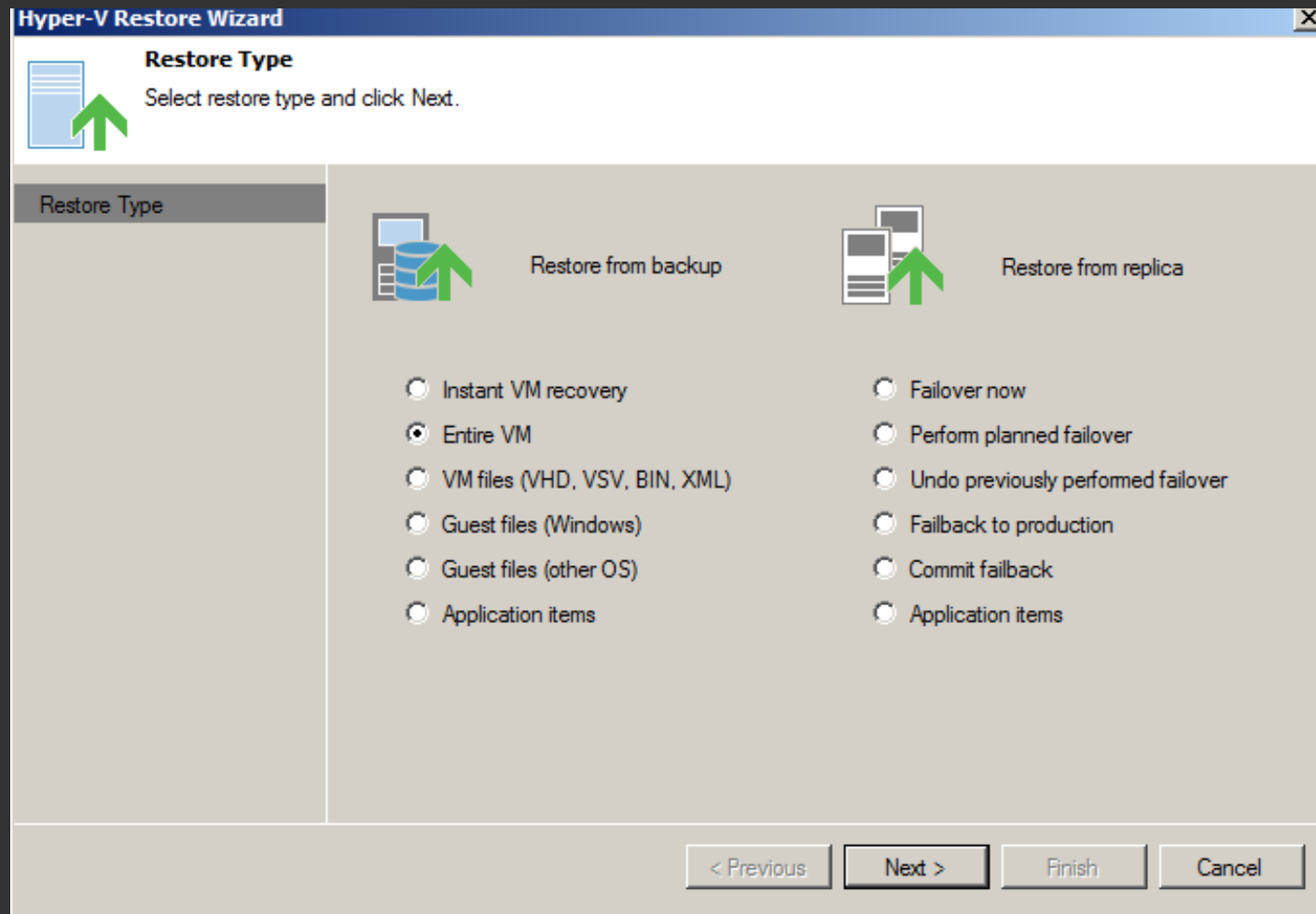
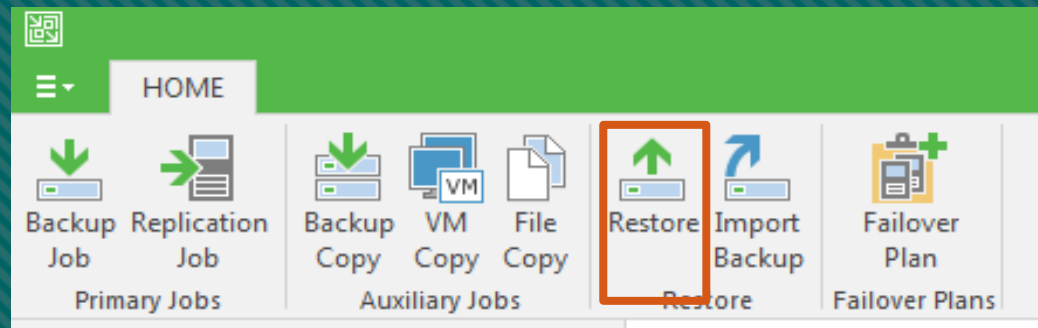
Time	Throughput

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NAME	STATUS	ACTION ↓	DURATION
TEST choc...	0%	Job started at 07/06/2016 10:19:43	
AIRRIA-SC1	10%	Building VMs list	0:00:16
AIRRIA-SC...	0%	VM size: 60,0 GB (31,4 GB used)	
		Changed block tracking is enabled	
		Processing TEST chocapic	0:00:56
		Processing AIRRIA-SC1	0:00:51
		Processing AIRRIA-SC2(restor)	0:00:51
		All VMs have been queued for processing	

Hide Details [OK]

# Job de restauration



Sélectionner les backups que vous voulez restaurer.

**Full VM Restore Wizard**

**Virtual Machines**

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

Virtual Machines

Restore Mode

Reason

Summary

Virtual machines to restore:

Name	Size	Restore point
AIRRIA-SC1	10,4 GB	less than a day ago (10:20 mardi 07/06/...
AIRRIA-SC2(restor)	10,5 GB	less than a day ago (10:20 mardi 07/06/...
TEST chocapic	10,4 GB	less than a day ago (10:20 mardi 07/06/...

Add VM

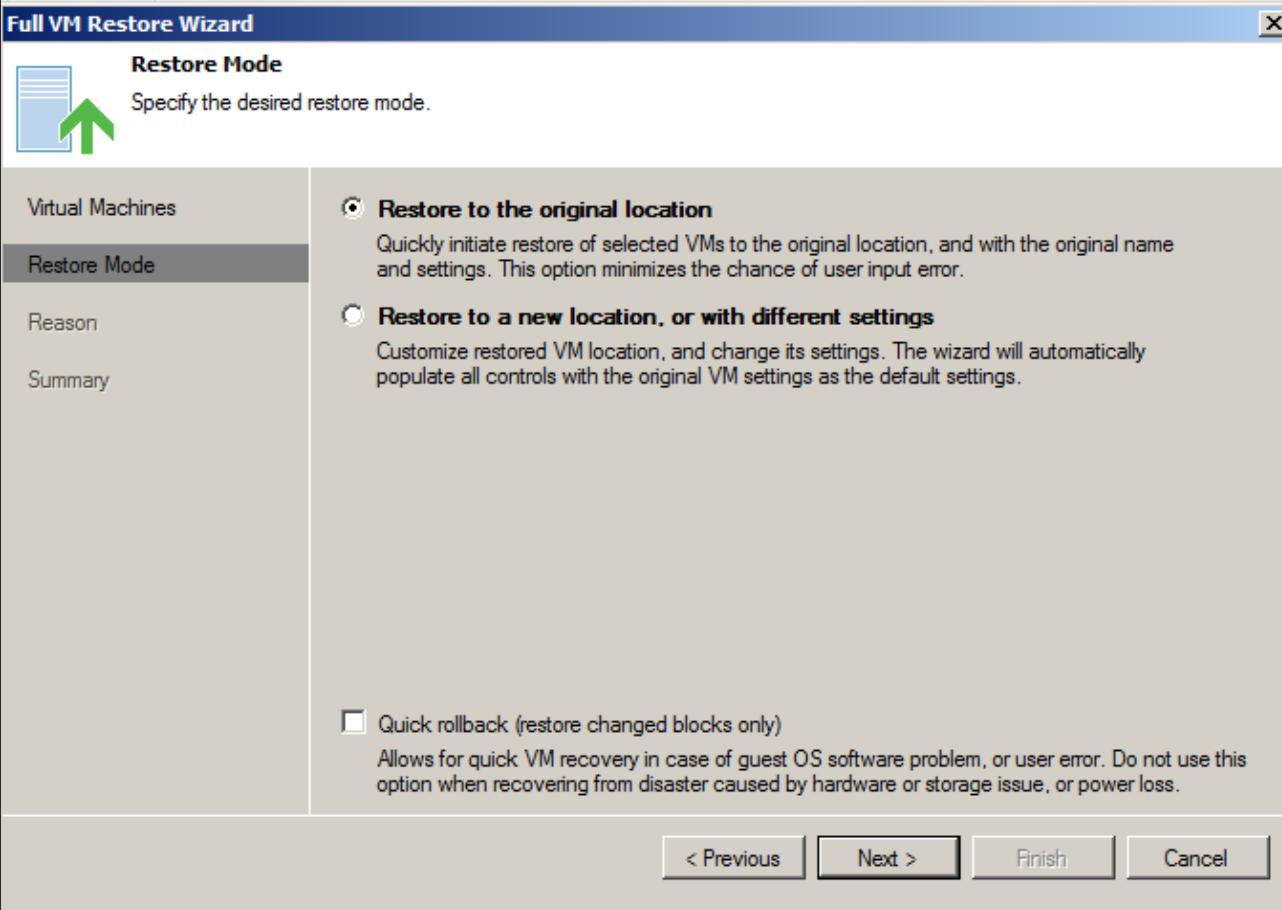
Point...

Remove

< Previous   Next >   Finish   Cancel

Si vous voulez restaurer sur le serveur d'origine choisissez la première solution.

Si vous voulez restaurer sur un autre serveur choisissez la deuxième solution.



The screenshot shows a Windows-style dialog box titled "Full VM Restore Wizard". The main area is titled "Restore Mode" and contains the instruction "Specify the desired restore mode." Below this, there are two radio button options:

- Restore to the original location**  
Quickly initiate restore of selected VMs to the original location, and with the original name and settings. This option minimizes the chance of user input error.
- Restore to a new location, or with different settings**  
Customize restored VM location, and change its settings. The wizard will automatically populate all controls with the original VM settings as the default settings.

At the bottom of the main area, there is a checkbox option:

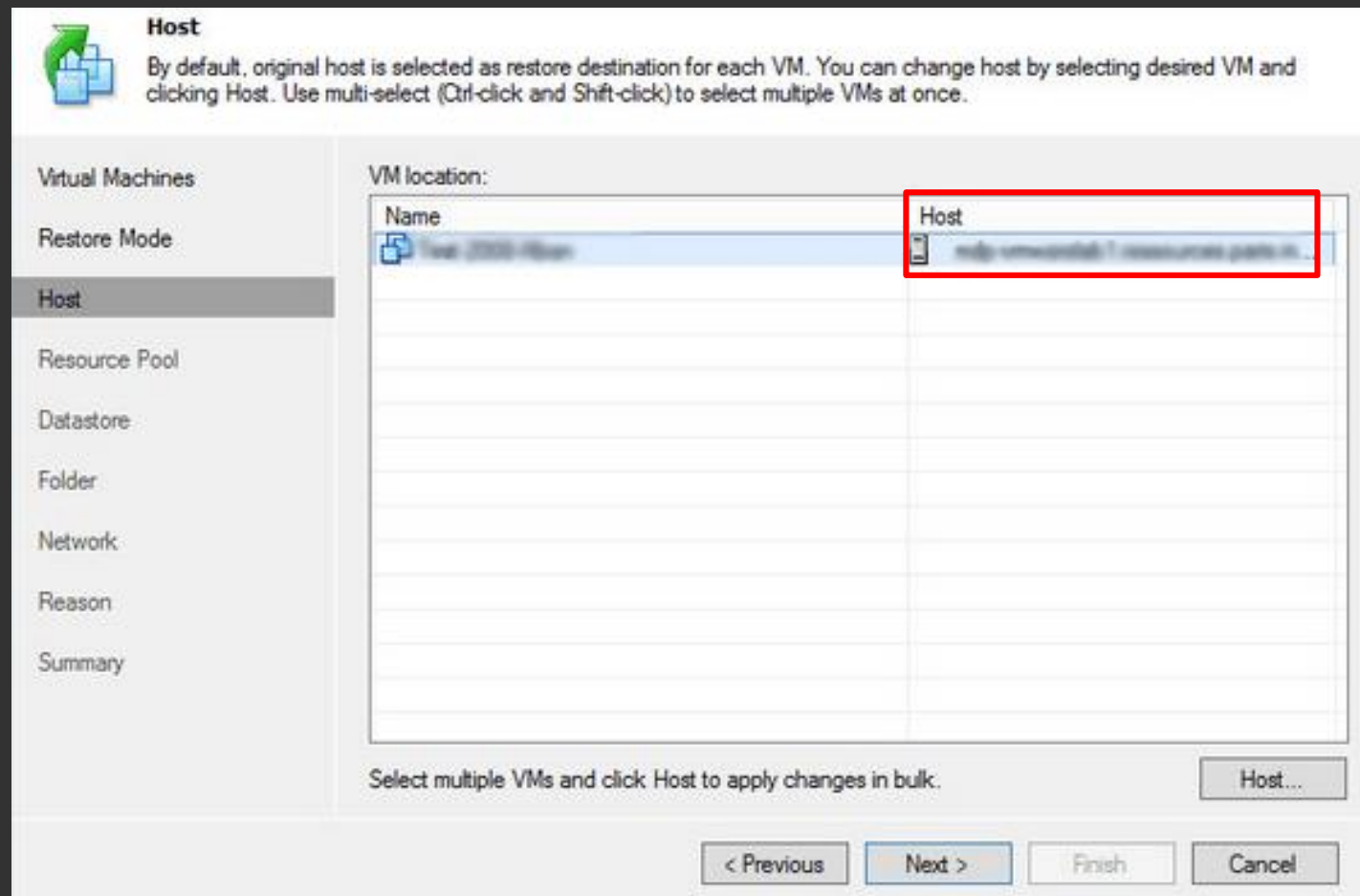
- Quick rollback (restore changed blocks only)**  
Allows for quick VM recovery in case of guest OS software problem, or user error. Do not use this option when recovering from disaster caused by hardware or storage issue, or power loss.

At the bottom right of the dialog, there are four buttons: "< Previous", "Next >", "Finish", and "Cancel".




# Restauration sur un autre serveur Hyper-V

On choisit l'hôte de destination dans « Host ».



A partir de la  
faites suivant  
jusqu'au  
lancement de la  
restauration.

 **Datastore**

By default, original datastore and disk type are selected for each VM file. You can change them by selecting desired VM file, and clicking Datastore or Disk Type. Use multi-select (Ctrl-click and Shift-click) to select multiple VMs at once.

Virtual Machines  
Restore Mode  
Host  
Resource Pool  
**Datastore**  
Folder  
Network  
Reason  
Summary

Files location:

File	Size	Datastore	Disk type
Configuration files		DS1_AWS2008_01_LAB...	
Disque dur 1 (Te...	33,0 GB	DS1_AWS2008_01_LAB...	Same as source
Disque dur 2 (Te...	20,0 GB	DS1_AWS2008_01_LAB...	Thin disk
Disque dur 3 (Te...	3,2 GB	DS1_AWS2008_01_LAB...	Same as source

Select multiple VMs to apply settings in bulk.

Datastore... Disk Type...

< Previous Next > Finish Cancel


Voici le déroulement de la restauration.

VM name:	Test-2008-R2sp1	Status:	<b>Success</b>
Restore type:	RestoreVm	Start time:	19/03/2014 11:13:50
Initiated by:	PS1-193.193.193.193 Administrator	End time:	19/03/2014 11:22:40

Statistics	Reason	Parameters	Log
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**56,2 GB / 56,2 GB**

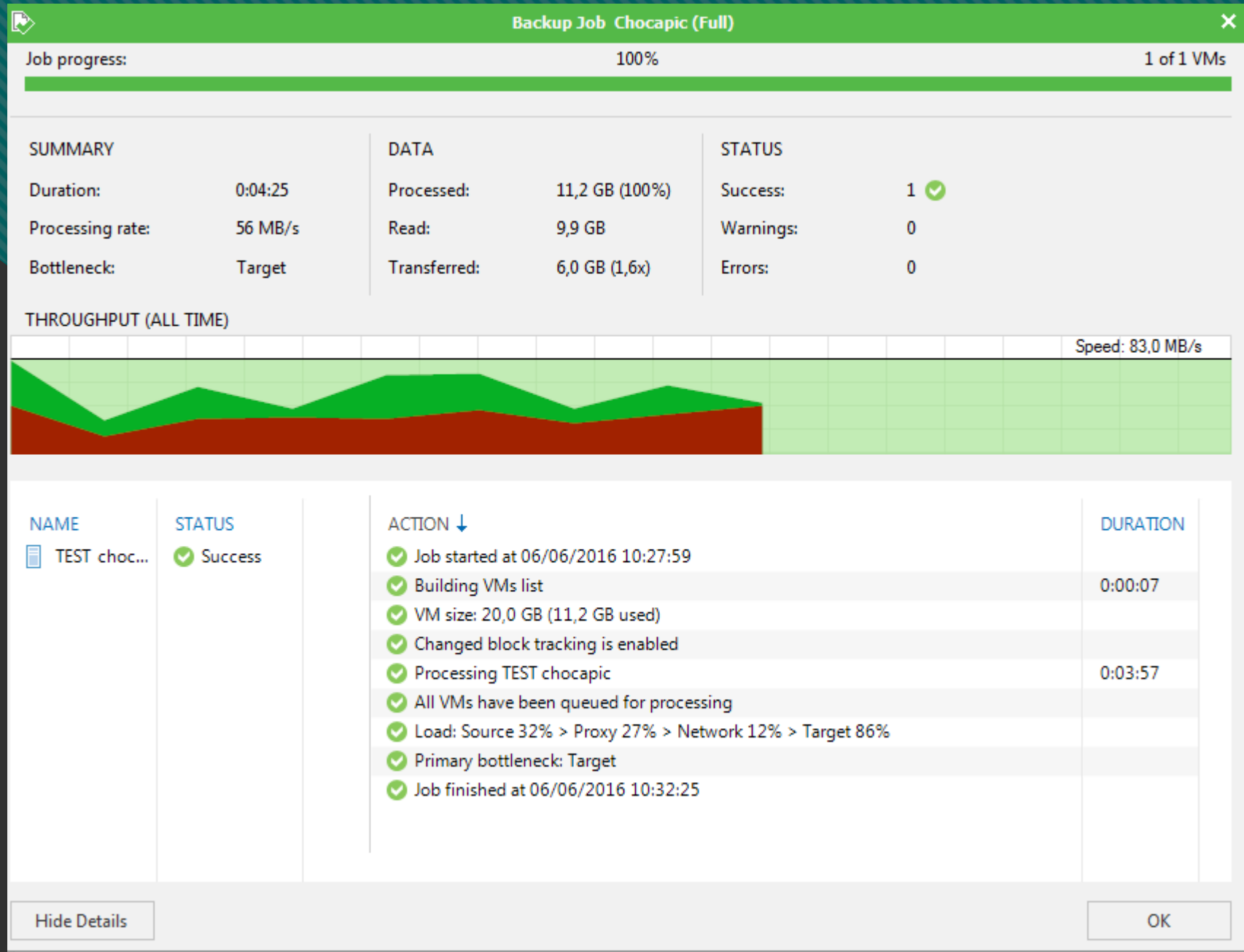


Files remaining: 0 of 9 (0,0 KB left)      Restore rate: 144 MB/s

Time remaining: 00:00:00

[Close](#)

Récapitulatif  
de la  
restauration.

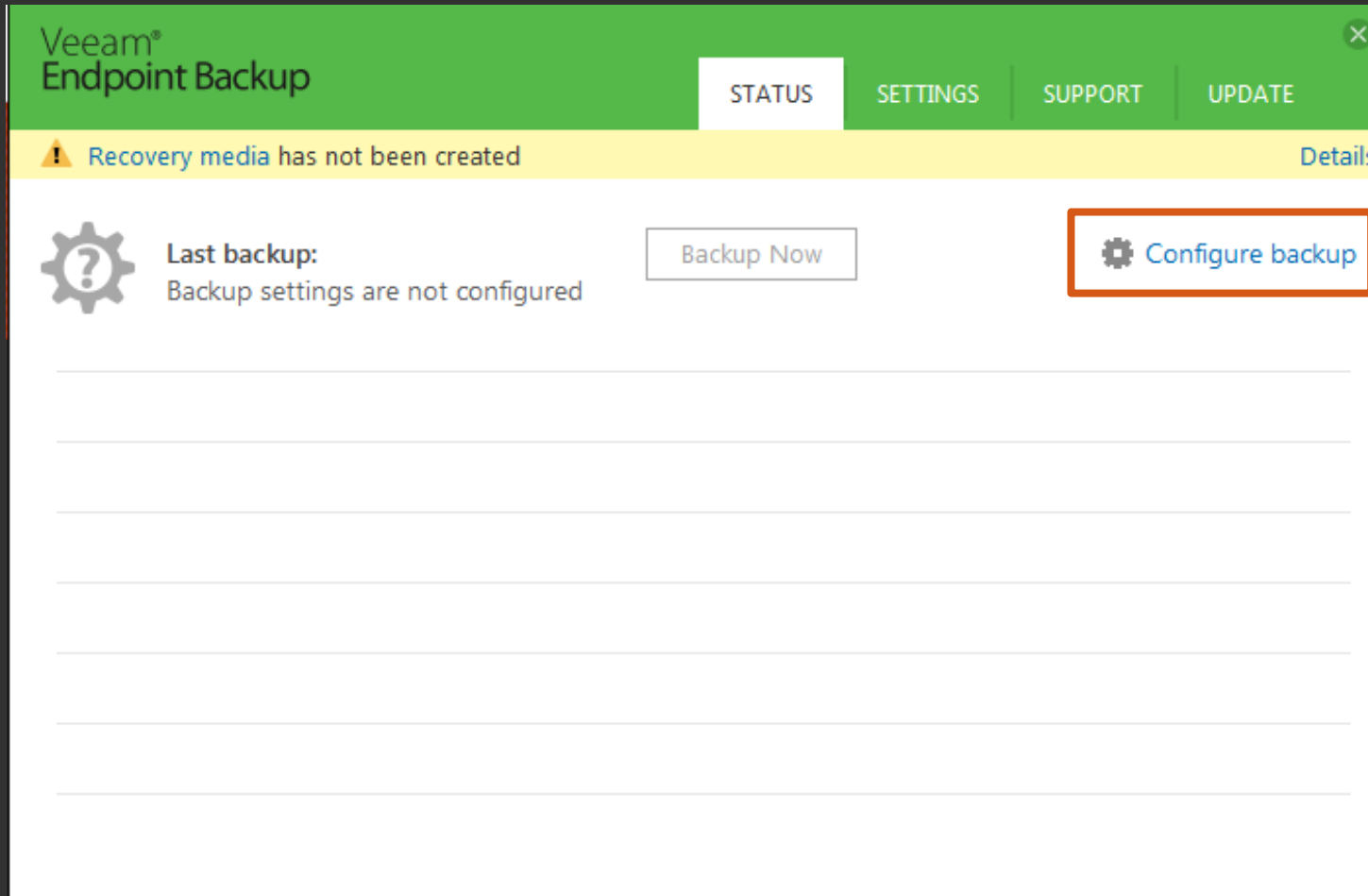


# VEEAM endpoint backup 1.5

Interface très simple.

Configurer un backup de la machine dans « Configure backup ».

Stockage en local, NAS, ou cible de sauvegarde VEEAM



The screenshot displays the Veeam Endpoint Backup software interface. At the top, there is a green header bar with the text 'Veeam® Endpoint Backup' and a close button (X). Below the header, there are four navigation tabs: 'STATUS' (which is currently selected), 'SETTINGS', 'SUPPORT', and 'UPDATE'. A yellow warning banner spans the width of the interface, containing a warning icon and the text 'Recovery media has not been created', with a 'Details' link on the right. The main content area features a large gear icon with a question mark, followed by the text 'Last backup: Backup settings are not configured'. To the right of this text are two buttons: 'Backup Now' and 'Configure backup'. The 'Configure backup' button is highlighted with a red rectangular border. Below these elements, there are several horizontal lines, likely representing a list or a table.

Compatible windows 10

# Contraintes

# Points positifs

- Peu de paramètres

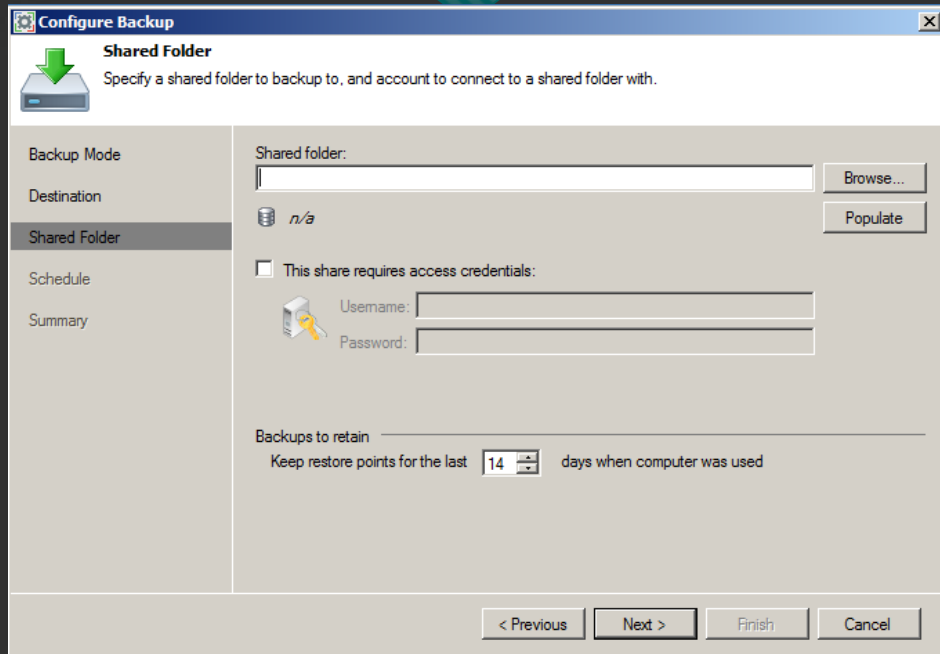
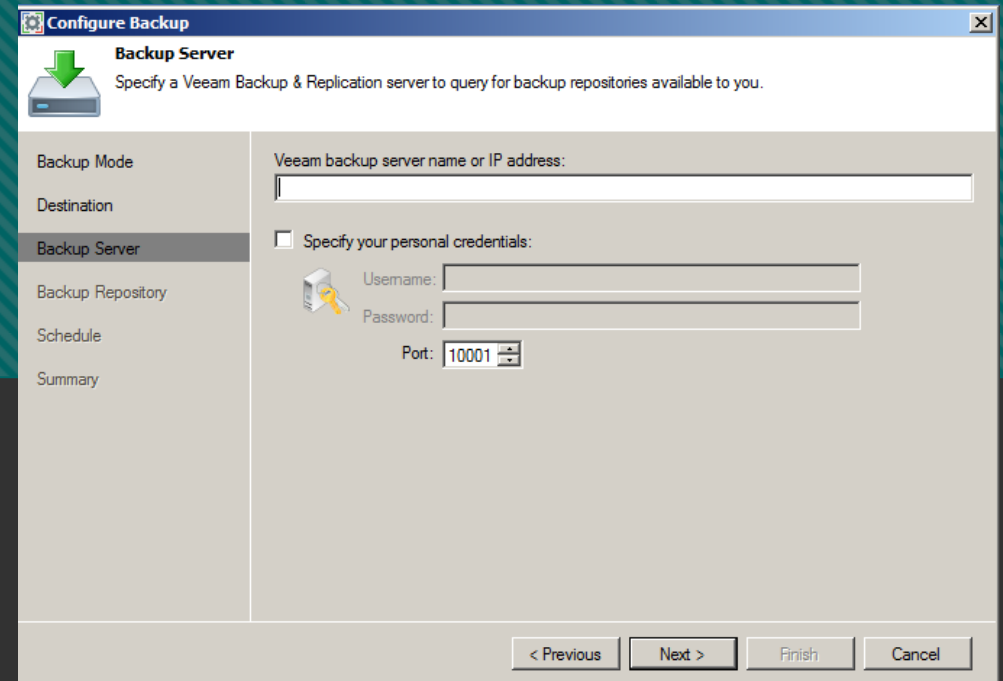
- Tout en Anglais

- Interface simple et épurée

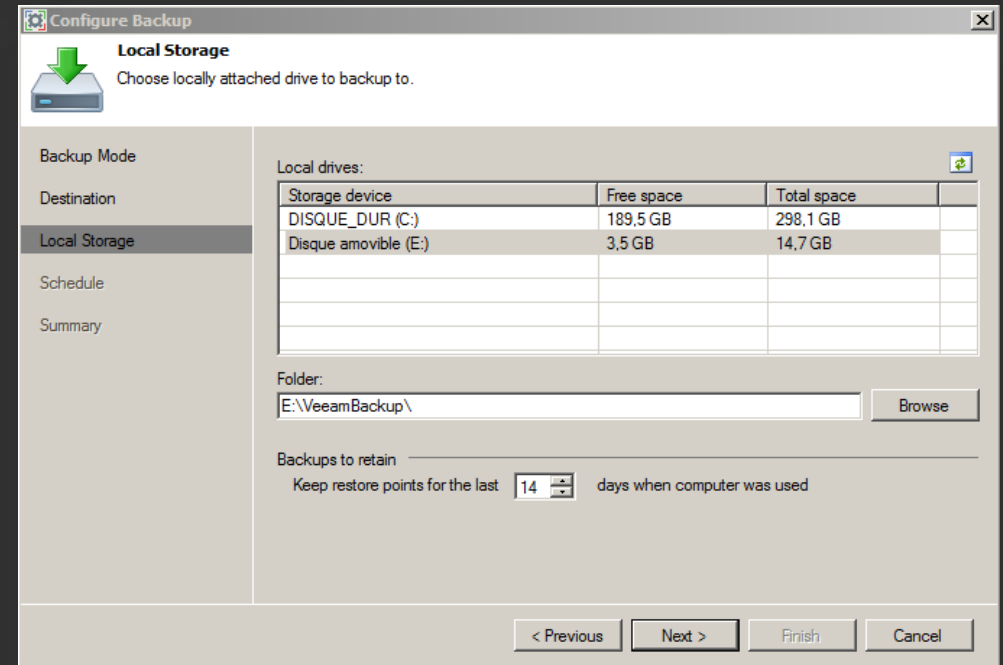
- Simple d'utilisation

- Compatible Windows 10

# Configuration pour le serveur Veeam Backup

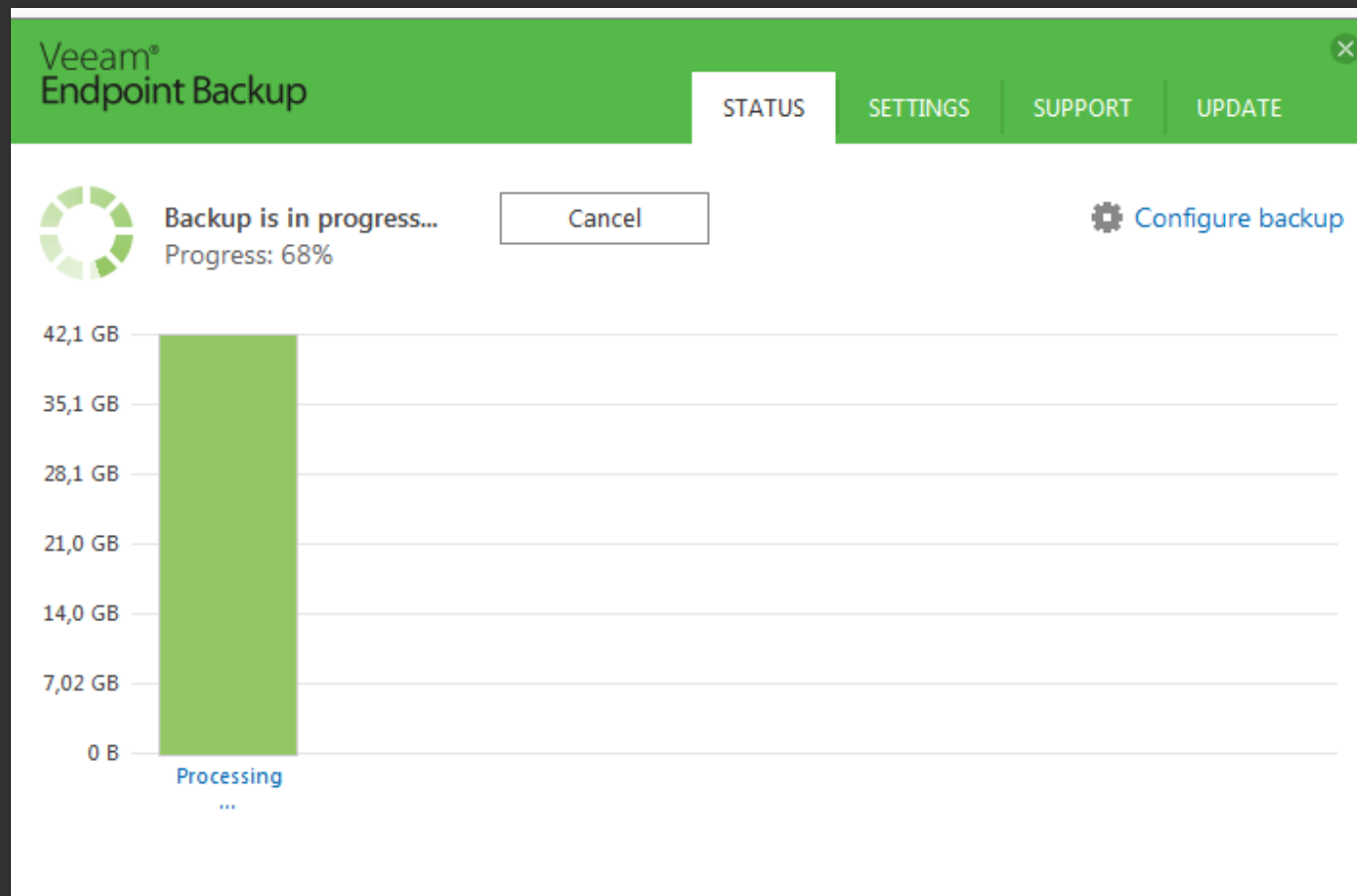


# Configuration pour le NAS



# Configuration pour un emplacement local

Affichage de la progression de la sauvegarde





# Comparatif VEEAM endpoint | Shadow Protect

Sauvegarde du Pc portable Lenovo, même disque local.

42 minutes

Veeam endpoint Backup

53 minutes

Shadow protect

# CONCLUSION

Veeam Backup offre une solution de sauvegarde efficace avec une interface simple et épurée. Le seul inconvénient est le fait que tout soit en anglais et que le support hotline téléphonique ne soit pas optimisé (mauvaise compréhension des personnes). Cependant le support hotline (tchat) sur le site est performant et réactif. Veeam est également supporté par le DELL 4100 appliance.