

## INFOS SUR UNE BOITE EXCHANGE

```
Get-Mailbox "a user" | Get-MailboxStatistics | Select  
DisplayName, TotalItemSize, TotalDeletedItemSize, @{N="IssueWarningQuota"; E={(Get-  
Mailbox $_).IssueWarningQuota}}, @{N="ProhibitSendQuota"; E={(Get-Mailbox  
$_).prohibitSendquota}}
```

```
[PS] C:\Windows\system32>Get-Mailbox "a.secret1" | Get-MailboxStatistics | Select DisplayName, TotalItemSize, TotalDeletedItemSize, @{N="IssueWarningQuota"; E={(Get-Mailbox $_).IssueWarningQuota}}, @{N="ProhibitSendQuota"; E={(Get-Mailbox $_).prohibitSendquota}}  
  
DisplayName : Anne SECRE1  
TotalItemSize : 5,392 KB <5,521 bytes>  
TotalDeletedItemSize : 0 B <0 bytes>  
IssueWarningQuota :  
ProhibitSendQuota : 10,24 MB <10,737,664 bytes>  
  
[PS] C:\Windows\system32>
```

## LES BASES DE DONNEES EXCHANGE

```
[PS] C:\Windows\system32>get-mailboxdatabase  


| Name                        | Server      | Recovery | ReplicationType |
|-----------------------------|-------------|----------|-----------------|
| Mailbox Database 0377793002 | MAILBOX-CAS | False    | None            |
| Mailbox Database 1993659143 | MAILBOX2    | False    | None            |

  
[PS] C:\Windows\system32>
```

## EMPLACEMENT DATABASES

```
[PS] C:\Windows\system32>get-mailboxdatabase |select edbfilepath  
edbFilePath  
----  
C:\Program Files\Microsoft\Exchange Server\V15\Mailbox\Mailbox Database 0377793002\Mailbox Database 0377793002.edb  
C:\Program Files\Microsoft\Exchange Server\V15\Mailbox\Mailbox Database 1993659143\Mailbox Database 1993659143.edb  
  
[PS] C:\Windows\system32>
```

## **EXPORT/IMPORT D'UNE BOITE EXCHANGE**

### **EXPORT**

Exporter la boîte mail via des commandes **Powershell** est plus simple et plus rapide que d'utiliser l'option d'Outlook.

#### **Pré-requis**

Avant de lancer l'exportation **il est fortement recommandé de préparer un dossier partagé pour y stocker vos fichiers PST**. La commande que nous allons vous présenter fonctionne uniquement sur des chemins dits "UNC" (\serveur\partage\outlook-archive par exemple).

Les commandes dites Powershell sont en réalité à **exécuter dans le Exchange Management Shell**, vous trouverez le **raccourci dans le menu Outil d'administration** de votre système Windows Serveur ou bien en le recherchant dans les programmes.



Activation de la commande **New-Mailboxexportrequest**

Une fois ouvert vous devez **autoriser le compte Administrateur (ou autre compte administrateur) à utiliser la commande "new-mailboxexportrequest"**

New-ManagementRoleAssignment –Role "Mailbox Import Export" –User "DOMAIN\USER"

Une fois que c'est fait **il faut fermer le Exchange Management Shell puis le rouvrir pour que ça prenne effet.**

Utilisation de la commande **New-Mailboxexportrequest**

Maintenant pour exporter la boîte au lettre du collaborateur il faut saisir la commande suivante :

New-MailboxExportRequest -Mailbox login\_utilisateur -FilePath \\votre-dossier-partage-pour-pst\nom.pst

```
[PS] C:\Windows\system32>New-MailboxExportRequest -Mailbox t_tech1 -FilePath \\MAILBOX-CAS\sav_exchange\t_tech1.pst
Name          Mailbox          Status
----          -----          -----
MailboxExport  tssi.local\Users\T_Tech1  Queued
```

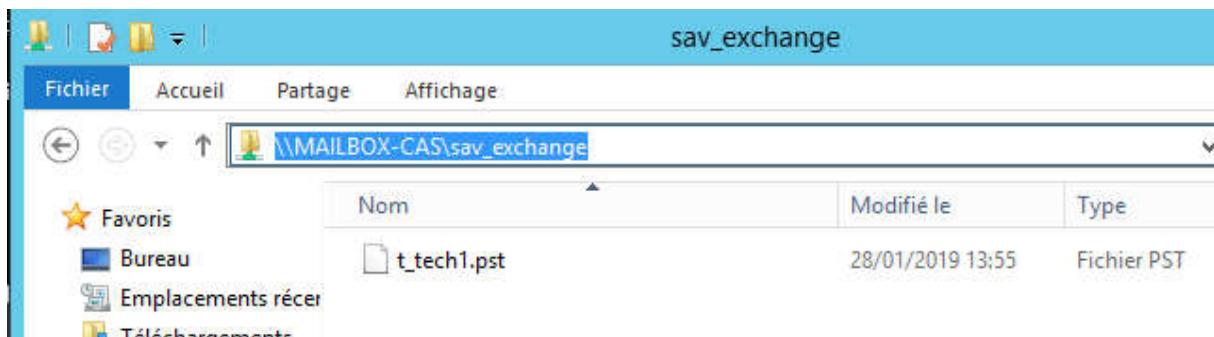
Il est possible de lancer plusieurs exports en même temps **mais attention aux ressources utilisées par le serveur.**

#### **Suivi des Exports**

Pour suivre l'état des exports de vos boîtes aux lettres vous pouvez utiliser cette commande :

Get-MailboxExportRequest –Name

```
[PS] C:\Windows\system32>Get-MailboxExportRequest
Name          Mailbox          Status
----          -----          -----
MailboxExport  tssi.local\Users\T_Tech1  Completed
[PS] C:\Windows\system32>
```



## IMPORT

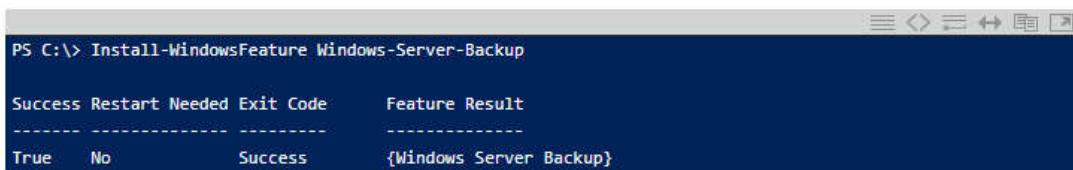
```
[Powershell] PS C:\Windows\system32>new-mailboximportrequest -mailbox t_tech1 -filepath \\MAILBOX-CAS\sav_exchange\t_tech1.pst
Name          Mailbox          Status
---          ---          ---
MailboxImport tssi.local\Users\T_Tech1 Queued
[PS] C:\Windows\system32>
```

```
[PS] C:\Windows\system32>get-mailboximportrequest
Name          Mailbox          Status
---          ---          ---
MailboxImport tssi.local\Users\T_Tech1 Completed
[PS] C:\Windows\system32>
```

## SAUVEGARDE DU DOSSIER ET PLANIFICATION

# Installing Windows Server Backup

Before we can back up the database of course we need to install Windows Server Backup. You can install this using PowerShell.



```
PS C:\> Install-WindowsFeature Windows-Server-Backup

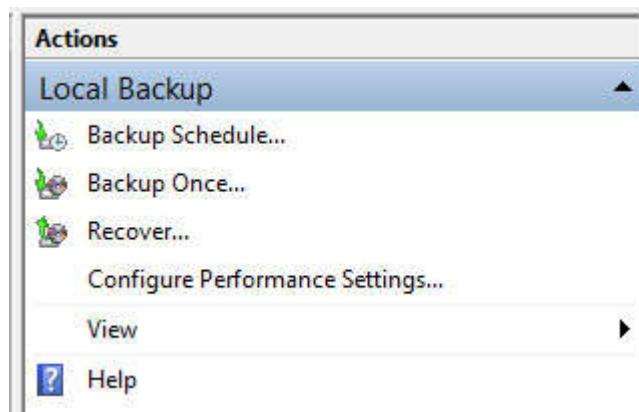
Success Restart Needed Exit Code      Feature Result
----- ----- -----      -----
True   No          Success      {Windows Server Backup}
```

## Configuring a Scheduled Backup

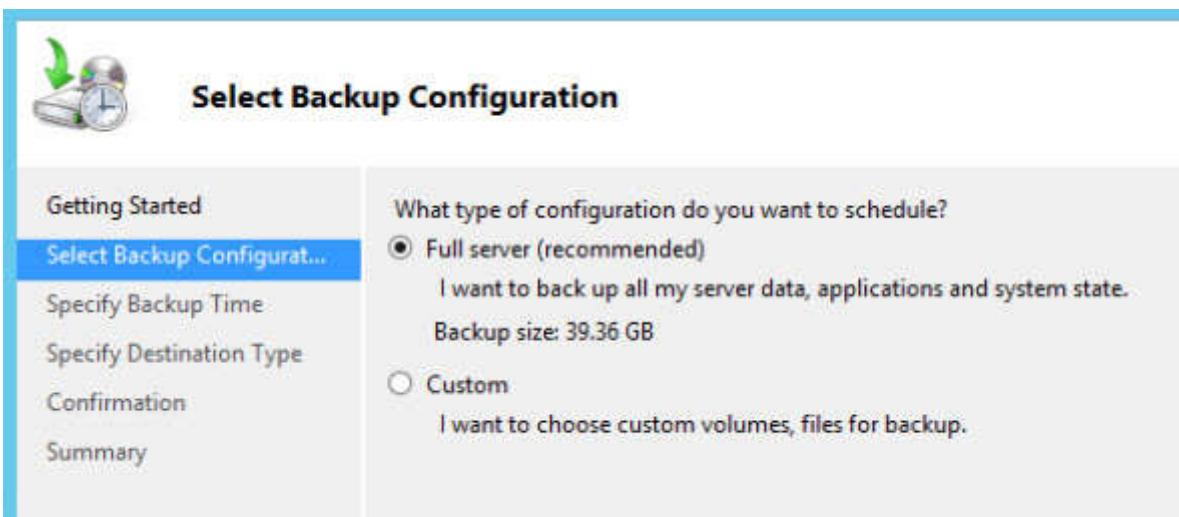
The next step is to configure a scheduled backup job. Open **Windows Server Backup** on the server.



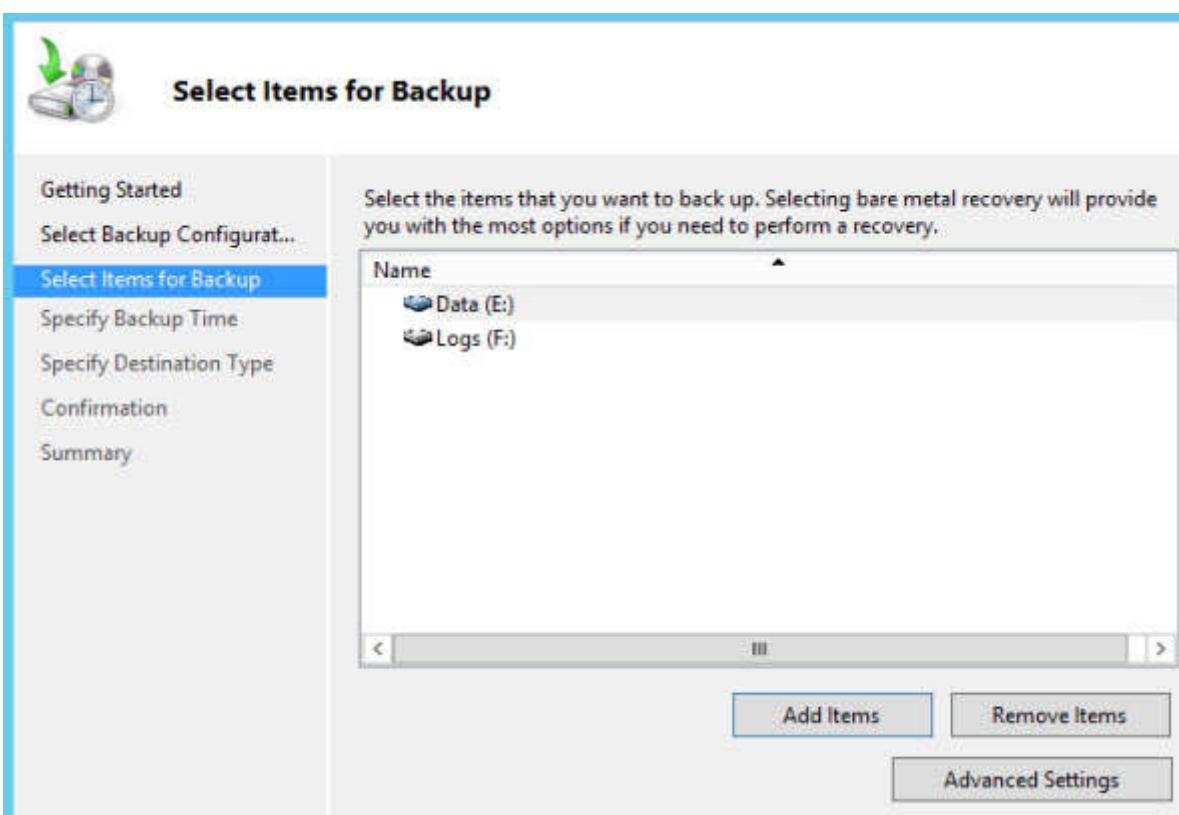
In the Local Backup area of the console launch the **Backup Schedule...** wizard.



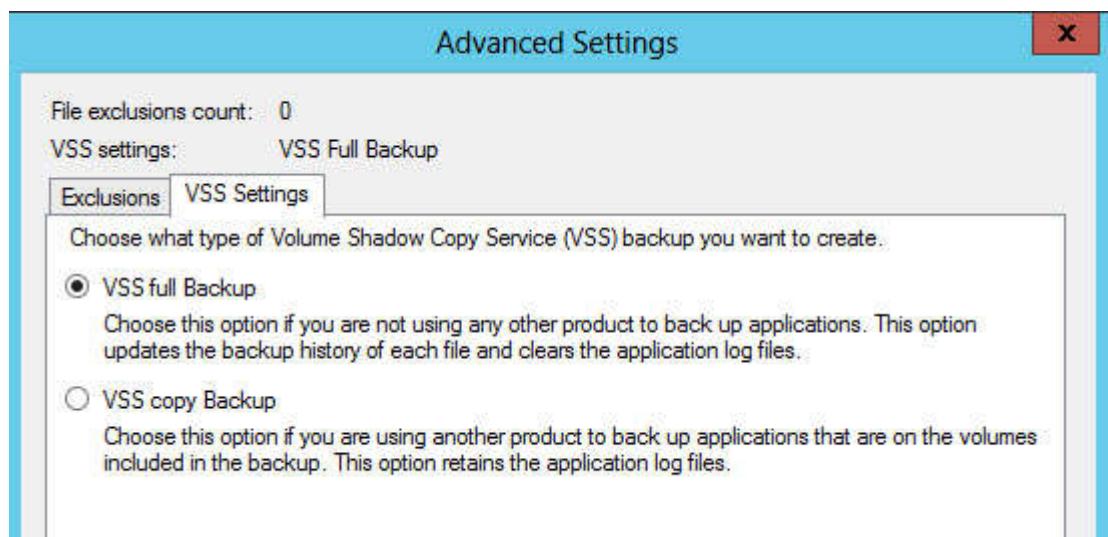
Click **Next** to move to the backup configuration selection. A full server backup is recommended, but if for some reason you only want to back up the Exchange database you can choose **Custom** instead.



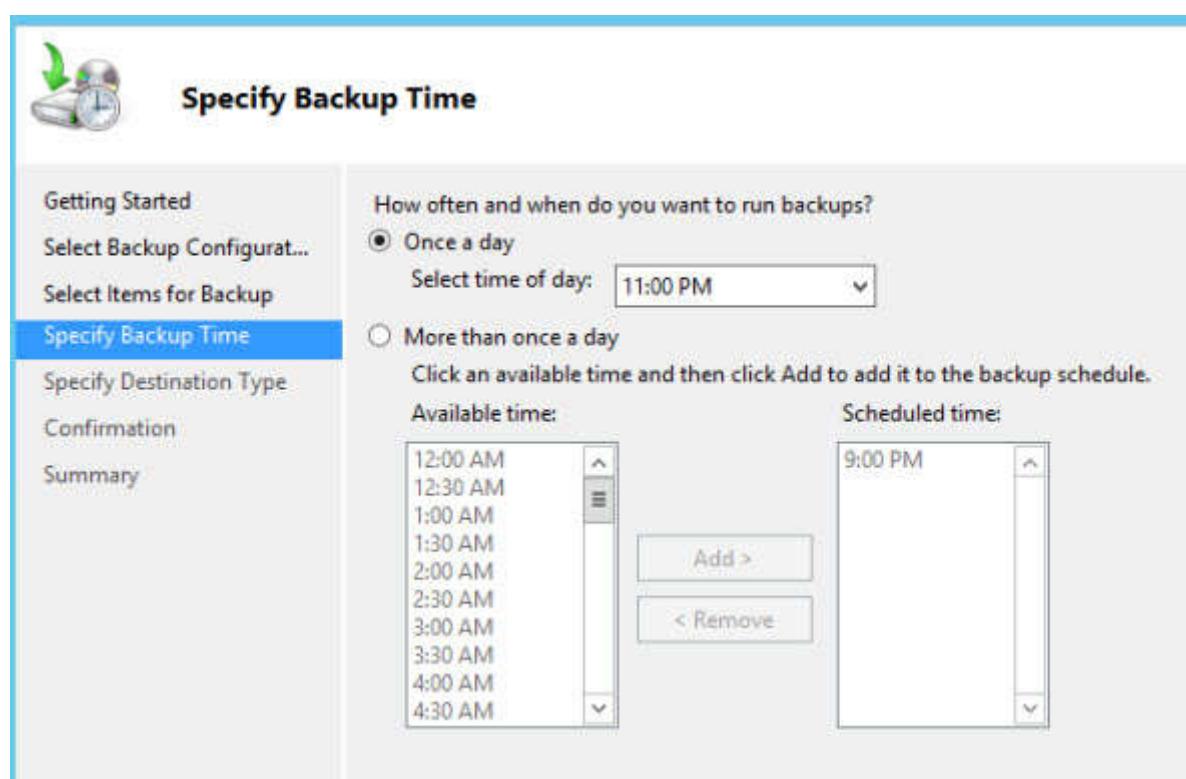
If you've chosen a custom configuration you will then need to click **Add Items** and add the volumes that contain the Exchange mailbox database and log files. If you have chosen Full Server then this step will not be required.



Next, click **Advanced Settings** and on the **VSS Settings** tab make sure **VSS full backup** is chosen. If you have chosen a Full Server backup then this step will not be required.



Continue through the wizard and choose a backup schedule, either once per day or multiple times per day.



Choose the backup destination. For this demonstration I'm using the recommended method of a local hard disk that is dedicated for backups.



## Specify Destination Type

Getting Started  
Select Backup Configuration...  
Select Items for Backup  
Specify Backup Time  
**Specify Destination Type**  
Select Destination Disk  
Confirmation  
Summary

Where do you want to store the backups?

Back up to a hard disk that is dedicated for backups (recommended)  
Choose this option for the safest way to store backups. The hard disk that you use will be reformatted and then dedicated to only store backups.

Back up to a volume  
Choose this option if you cannot dedicate an entire disk for backups. Note that the performance of the volume may be reduced by up to 200 percent while it is used to store backups. We recommend that you do not store other server data on the same volume.

Back up to a shared network folder  
Choose this option if you do not want to store backups locally on the server. Note that you will only have one backup at a time because when you create a new backup it overwrites the previous backup.

You may need to click **Show All Available Disks** if you do not immediately see the disk you wish to use as a backup destination.

### Show All Available Disks

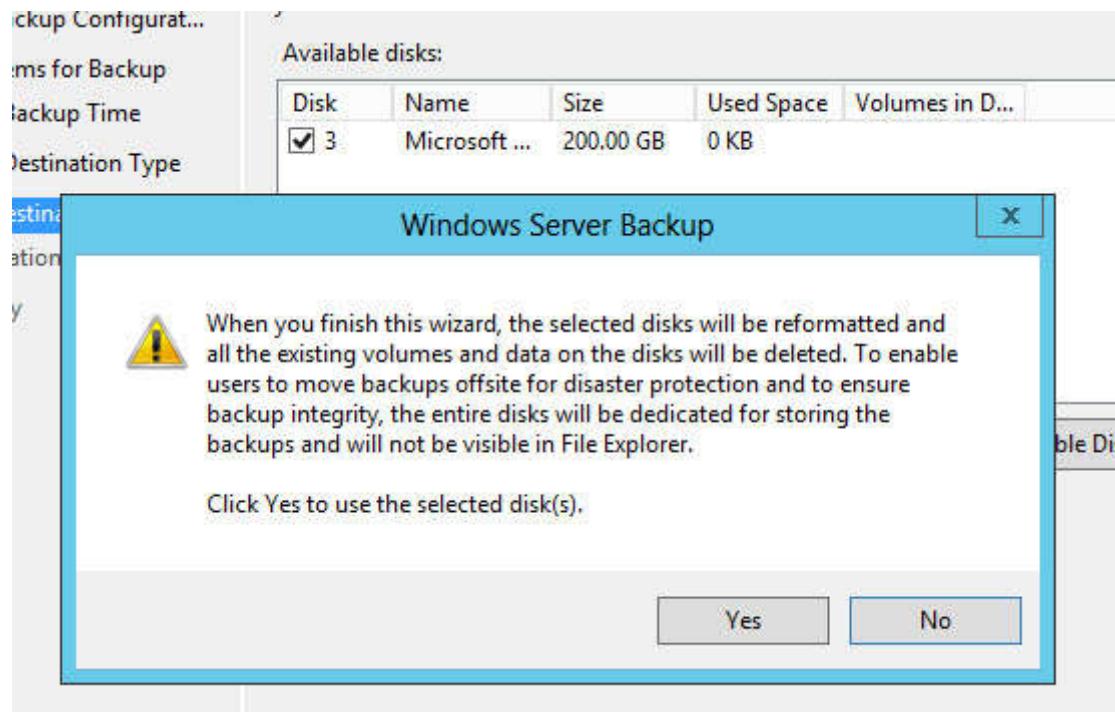
On the wizard page (by default), only the disk you are most likely to use is shown. In the list below, all the disks that are attached to this server are shown, both internal and external disks. The list excludes critical disks that contain system files, and cluster shared volume disks.

Select the check box for a disk to make it appear in the list of available disks in the wizard page.

Available disks:

Disk	Name	Size	Used Space	Volumes
<input type="checkbox"/> 1	Microsoft Virtual ...	40.00 GB	508.38 MB	E:\
<input type="checkbox"/> 2	Microsoft Virtual ...	20.00 GB	281.47 MB	F:\
<input checked="" type="checkbox"/> 3	Microsoft Virtual ...	200.00 GB	0 KB	

The disk will be reformatted for use by Windows Server Backup, which will erase any previous data stored on it.



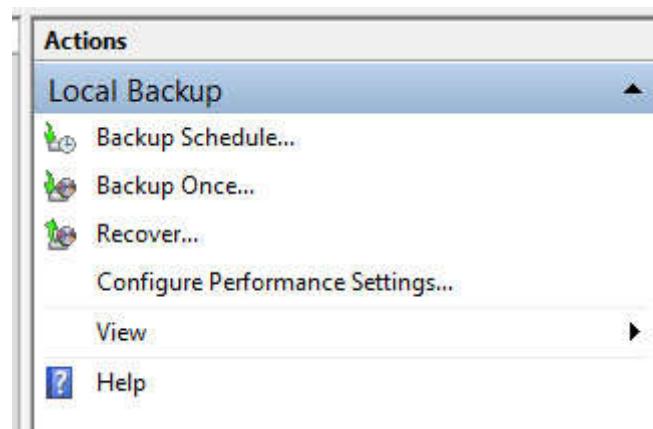
Review your selections and click **Finish** to create the scheduled backup job.

A screenshot of the 'Confirmation' step in the Windows Server Backup wizard. The left sidebar shows steps: 'Getting Started', 'Select Backup Configuration...', 'Select Items for Backup', 'Specify Backup Time', 'Specify Destination Type', 'Select Destination Disk', 'Confirmation' (which is highlighted), and 'Summary'. The main area displays the following information:

- You are about to create the following backup schedule.**
- Backup times:** 11:00 PM
- Files excluded:** None
- Advanced option:** VSS Full Backup
- Backup destinations**: A table showing one destination: Microsoft Virt... E15MB3 2013\_1... 200.00 GB 0 KB
- Backup items**: A table showing two items: Data (E:) and Logs (F:)

## Manually Running a Backup

You can manually run a backup by launching the **Backup Once...** wizard.

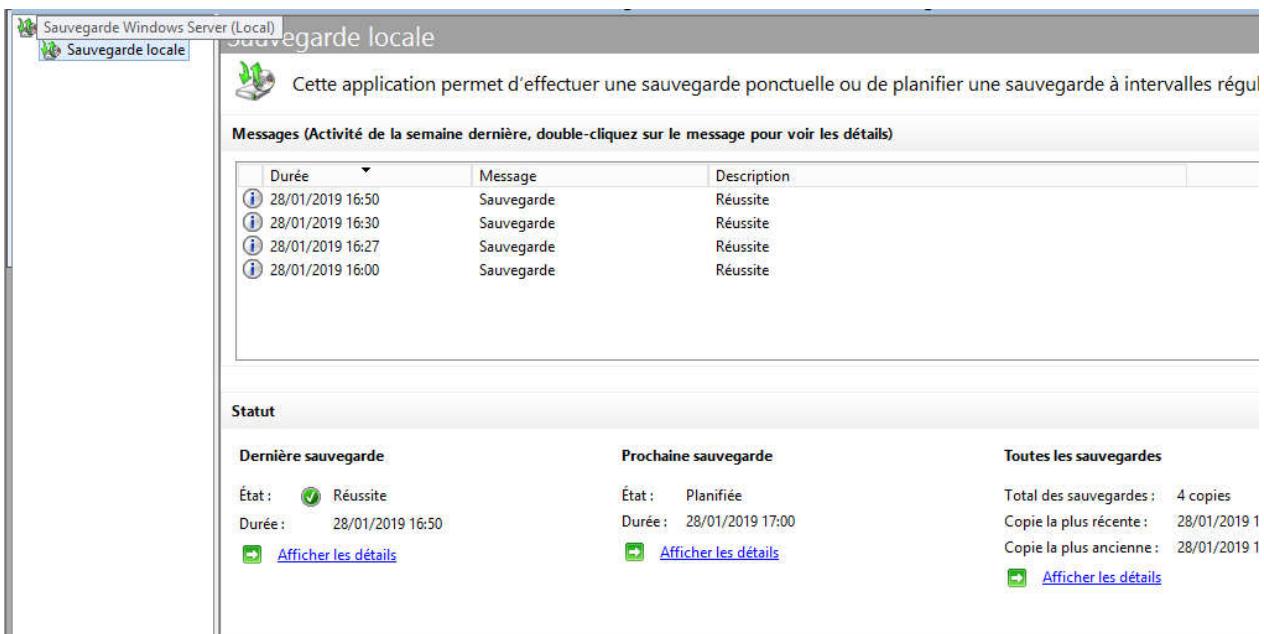


This gives you the choice of using the same settings that are configured for the scheduled backup job, or running through the same wizard shown above to choose settings for a one-off backup job.

### Checking Backup Status

The status of backup jobs is reported in the Windows Server Backup console.

A screenshot of the Windows Server Backup console under the 'Local Backup' section. It displays a message about performing backups and a table of recent messages. Below that is a 'Status' section with details for the last backup and a summary of all backups.



Vérification dans le « Exchange Management Shell »

```
Get-MailboxDatabase -Server <ServerName> -Status | fl Name,*FullBackup
```

```
[PS] C:\Windows\system32>Get-MailboxDatabase -Server mailbox-cas -Status : fl Name,*FullBackup

Name          : Mailbox Database 0377793002
SnapshotLastFullBackup : True
LastFullBackup   : 28/01/2019 16:50:44

[PS] C:\Windows\system32>
```

## Restauration

Suppression du compte de messagerie « tech1 » dans exchange

Sur l'ad l'utilisateur est supprimé

Refait le compte sur l'ad

Refait le compte messagerie sur exchange

LANCLEMENT DE LA RECUPERATION

```
[PS] C:\Windows\system32>New-MailboxRestoreRequest -SourceDatabase "mailbox database 0377793002" -SourceStoreMailbox "T tech1" -TargetMailbox t.tech1 -allowlegacydn mismatch
Name-----TargetMailbox-----Status-----
MailboxRestore-----tssi.local\Users\t.Tech1-----Queued
```

```
[PS] C:\Windows\system32>get-mailboxrestorerequest
Name-----TargetMailbox-----Status-----
MailboxRestore-----tssi.local\Users\t.Tech1-----Completed
```

```
[PS] C:\Windows\system32>Get-Mailbox
Name-----Alias-----ServerName-----ProhibitSendQuota-----
Administrateur-----Administrateur-----mailbox-cas-----Unlimited
Maxime ADMIN1-----m.admin1-----mailbox-cas-----Unlimited
Lise ADMIN2-----l.admin2-----mailbox-cas-----Unlimited
T Tech2-----t.tech2-----mailbox-cas-----Unlimited
T Tech3-----t.tech3-----mailbox-cas-----Unlimited
Anne SECRE1-----a.secre1-----mailbox-cas-----10.24 MB <10,737,664 bytes>
Catherine SECRE2-----c.secre2-----mailbox-cas-----10.24 MB <10,737,664 bytes>
Marie SECRE3-----m.secre3-----mailbox-cas-----10.24 MB <10,737,664 bytes>
Michèle SECRE4-----m.secre4-----mailbox-cas-----10.24 MB <10,737,664 bytes>
DiscoverySearchMailbox...-----DiscoverySearchMa...-----mailbox-cas-----50 GB <53,687,091,200 bytes>
T Tech1-----t.tech1-----mailbox-cas-----Unlimited
```

*PS : On peut aussi juste avoir un compte désactivé pour faire la restauration*

## **MONTAGE BASE DE DONNEES DE RECUPERATION (fichier restauré de la sauvegarde vers c:\recup)**

```
[PS] C:\recup2>Eseutil /p "Mailbox Database 0377793002.edb"
```

```
[PS] C:\Windows\system32>New-MailboxDatabase -Recovery -Name savrecup -Server mailbox-cas -EdbFilePath "c:\recup\Mailbox Database 0377793002.edb" -LogFolderPath c:\recup
AVERTISSEMENT : La base de données de récupération 'savrecup' a été créée à l'aide du fichier existant : c:\recup\Mailbox Database 0377793002.edb. La base de données doit être arrêtée correctement pour pouvoir être montée.

Name           Server       Recovery      ReplicationType
----           -----       -----        -----
savrecup       MAILBOX-CAS  True          None
AUVERTISSEMENT : Veuillez redémarrer le service Microsoft Exchange Information Store sur le serveur MAILBOX-CAS après avoir ajouté de nouvelles bases de données de boîtes aux lettres.

[PS] C:\Windows\system32>
```

```
[PS] C:\Windows\system32>get-mailboxdatabase
```

Name	Server	Recovery	ReplicationType
Mailbox Database 0377793002	MAILBOX-CAS	False	None
savrecup	MAILBOX-CAS	True	None

```
[PS] C:\Windows\system32>
```

Redémarrez le service de banque d'informations Microsoft Exchange

```
[PS] C:\Windows\system32>Restart-Service MSExchangeIS
[PS] C:\Windows\system32>
```

Montez la base de données de récupération :

```
[PS] C:\recup2>Mount-database RECUPBASE
[PS] C:\recup2>
```

```
[PS] C:\recup2>get-mailboxdatabase
```

Name	Server	Recovery	ReplicationType
Mailbox Database 0377793002	MAILBOX-CAS	False	None
savrecup	MAILBOX-CAS	True	None
RECUPBASE	MAILBOX-CAS	True	None

```
[PS] C:\recup2>
```

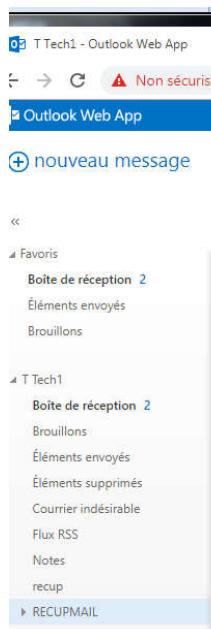
```
[PS] C:\recup2>Get-MailboxStatistics -Database RECUPBASE | Format-Table -auto
Display Name          ItemCount StorageLimitStatus    LastLogonTime
-----                -----
SystemMailbox<c1beca90-4d92-4ee3-9702-9b793b7ecee2>   10
Microsoft Exchange
Microsoft Exchange
HealthMailbox<c1beca904d924ee397029b793b7ecee2>       6
HealthMailbox<94f9af3fdb4301afbd0d832957636b>         8
HealthMailbox<049e17523c864b9eb155eb21de58ceba>       235
Archive permanente - HealthMailbox<90046071171f4d178ceab56c429c73dd> 2361
Administrateur
Lise ADMIN2
T Tech2
Maxime ADMIN1
Anne SECRE1
Microsoft Exchange Migration
Catherine SECRE2
Marie SECRE3
Michèle SECRE4
T Tech1
T Tech3
PUBLIC
```

```
[PS] C:\recup2>
```

Exemple de restauration d'un compte de la sauvegarde vers celui-ci dans un dossier cible  
« **recupmail** »

```
[PS] C:\recup2>New-MailboxRestoreRequest -sourcedatabase RECUPBASE -Sourcestoremailbox "T Tech1" -TargetMailbox t.tech1@tssi.local -TargetRootFolder "RECUPMAIL" -AllowLegacyDNMismatch
Name                                     TargetMailbox                               Status
----                                     -----                                     -----
MailboxRestore1                           tssi.local\Users\t Tech1                         Queued
[PS] C:\recup2>
```

```
[PS] C:\recup2>get-mailboxrestorerequest
Name                                     TargetMailbox                               Status
----                                     -----                                     -----
MailboxRestore                           tssi.local\Users\t Tech1                         Completed
MailboxRestore1                          tssi.local\Users\t Tech1                         Completed
[PS] C:\recup2>_
```



## RECUPERATION COMPLETE D'UN COMPTE

```
[PS] C:\recup2>Get-MailboxStatistics "Anne SECRE1"
DisplayName          ItemCount   StorageLimitStatus           LastLogonTime
-----              -----       -----                         -----
Anne SECRE1          6           Enabled                     29/01/2019 12:19:24
[PS] C:\recup2>
```

```
[PS] C:\recup2>Get-MailboxStatistics -Database RECUPBASE | where displayname -eq "Anne SECRE1"
DisplayName          ItemCount   StorageLimitStatus           LastLogonTime
-----              -----       -----                         -----
Anne SECRE1          3           Enabled                     ...
[PS] C:\recup2>_
```

```
[PS] C:\recup2>New-MailboxRestoreRequest -SourceDatabase RECUPBASE -SourceStoreMailbox "Anne SECRE1" -TargetMailbox a.sec  
re1@tssi.local -AllowLegacyDNMismatch
```

Name	TargetMailbox	Status
MailboxRestore	tssi.local\Users\Anne SECRE1	Queued

```
[PS] C:\recup2>Get-MailboxStatistics "Anne SECRE1"
```

DisplayName	ItemCount	StorageLimitStatus	LastLogonTime
Anne SECRE1	8		29/01/2019 12:19:24

```
[PS] C:\recup2>
```