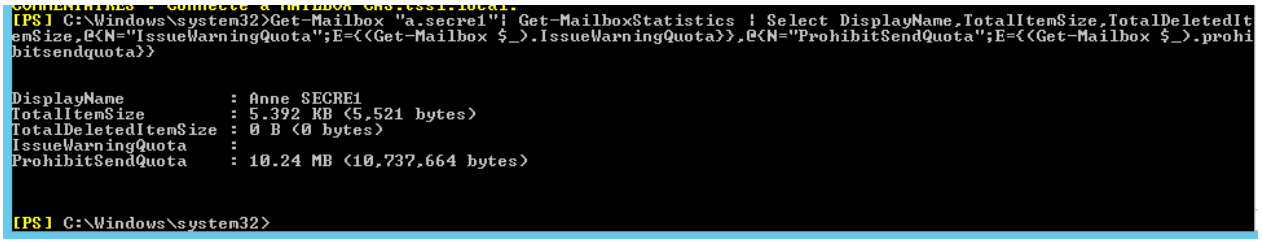
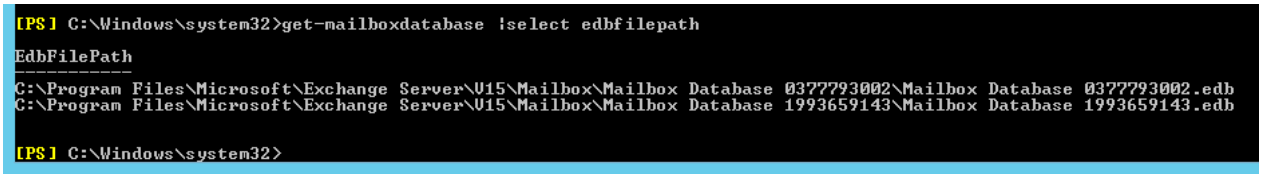
## INFOS SUR UNE BOITE EXCHANGE

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




## LES BASES DE DONNEES EXCHANGE


## EMPLACEMENT DATABASES



# 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 réalités 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
```

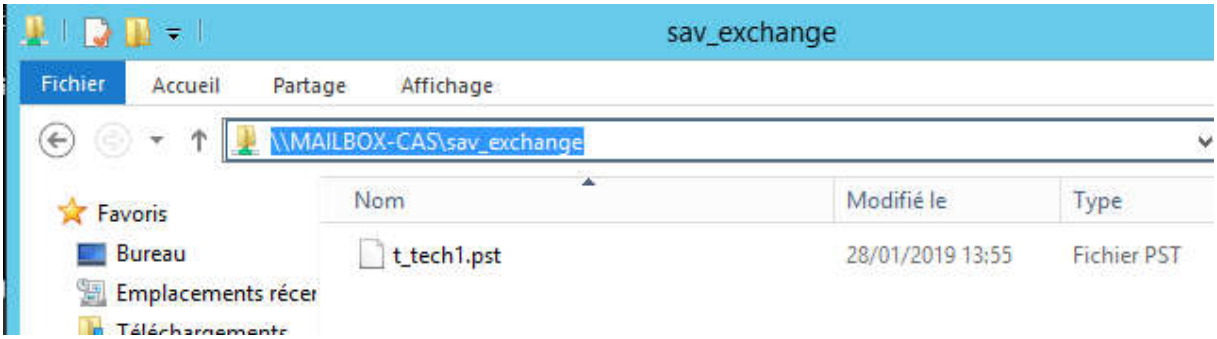
Il est possible de lancer plusieurs exports en même temps **mais attention aux ressources utilisées par le serveur.**

### 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**

```
[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

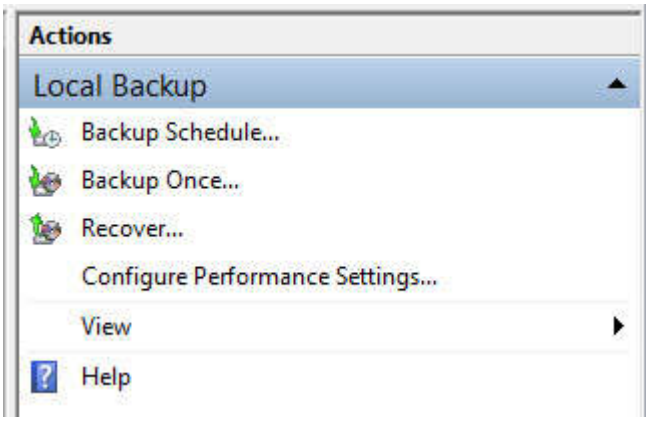
Before we can back up the database of course we need to install Windows Server Backup. You can install this using PowerShell.

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

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

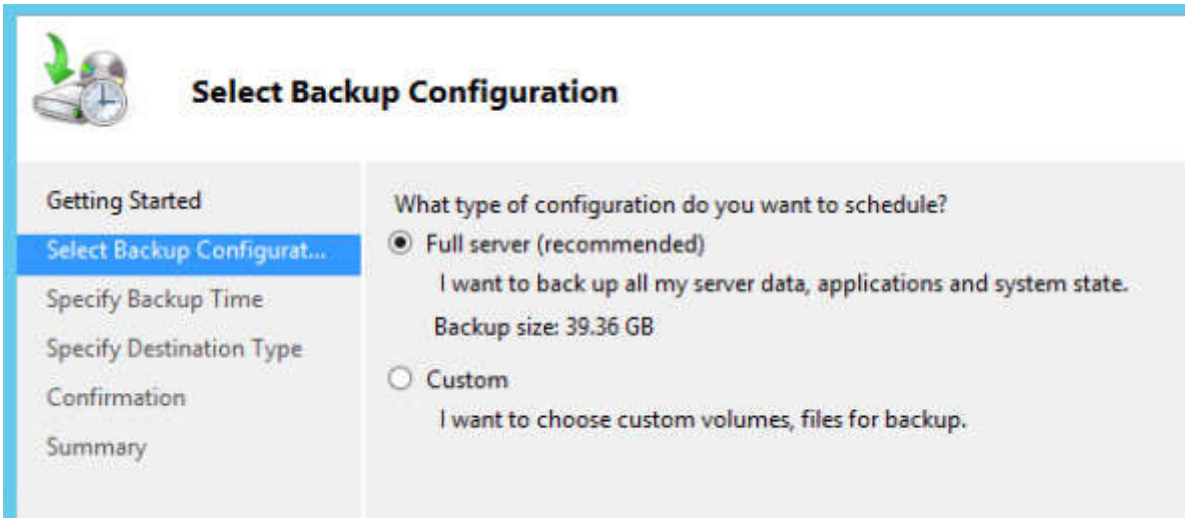
**Configuring a Scheduled Backup**

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

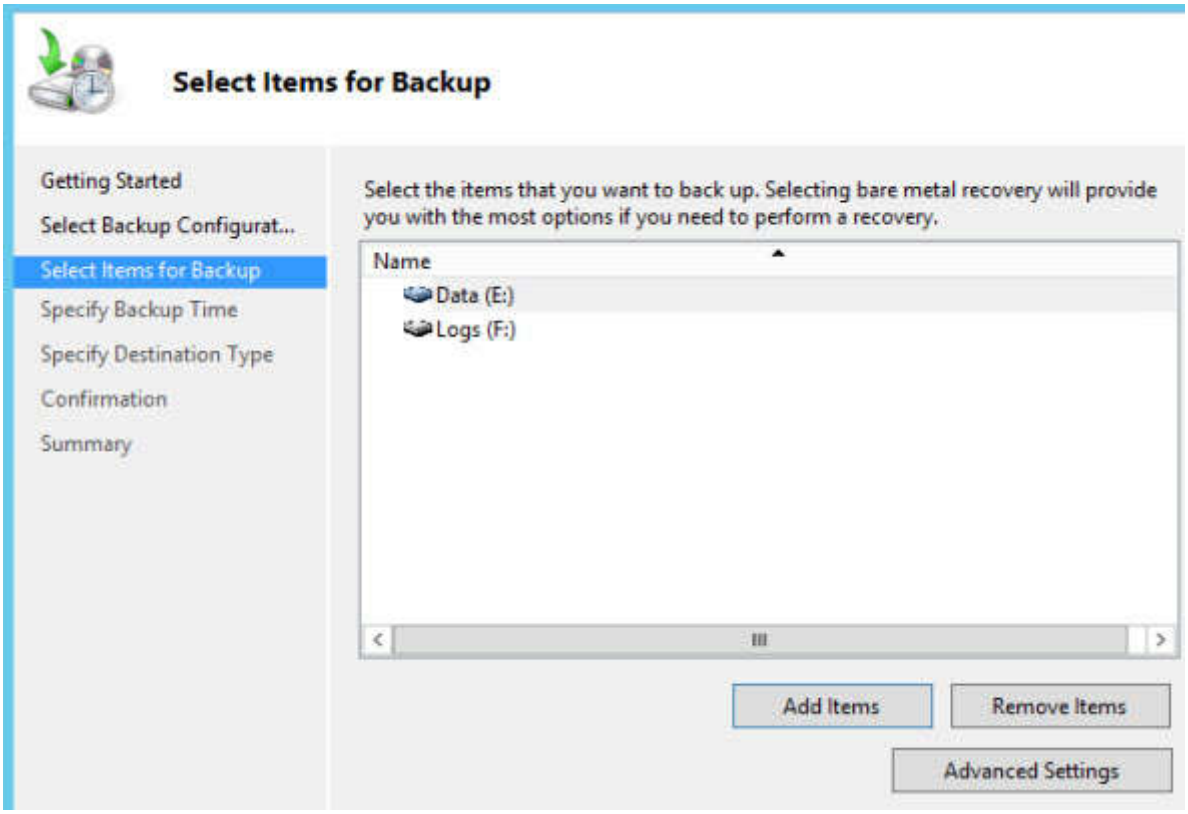

In the Local Backup area of the console launch the **Backup Schedule…** wizard.



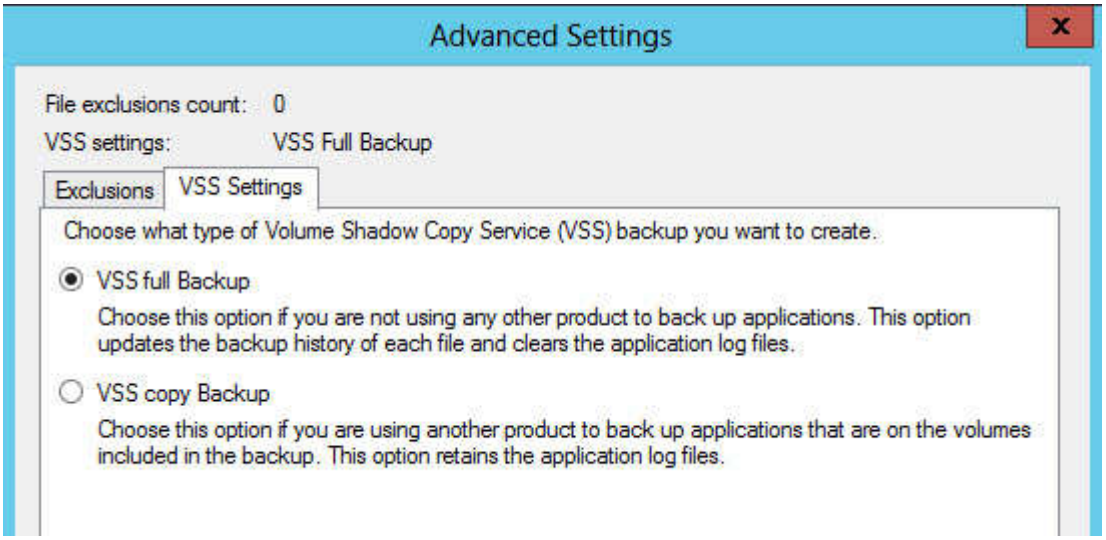

Click **Next** to move to the backup configuration selection. A full server backup is recommended, but if for some reason you only want to back up the Exchange database you can choose **Custom** instead.



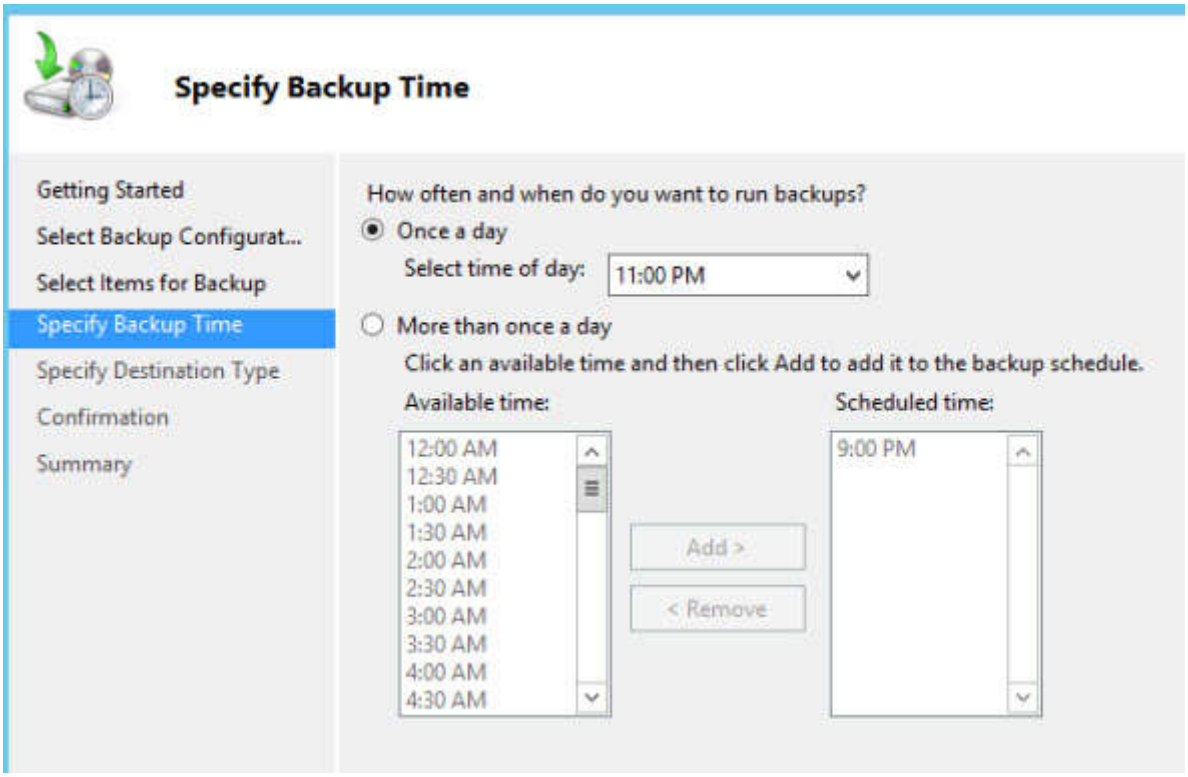

If you've chosen a custom configuration you will then need to click **Add Items** and add the volumes that contain the Exchange mailbox database and log files. If you have chosen Full Server then this step will not be required.



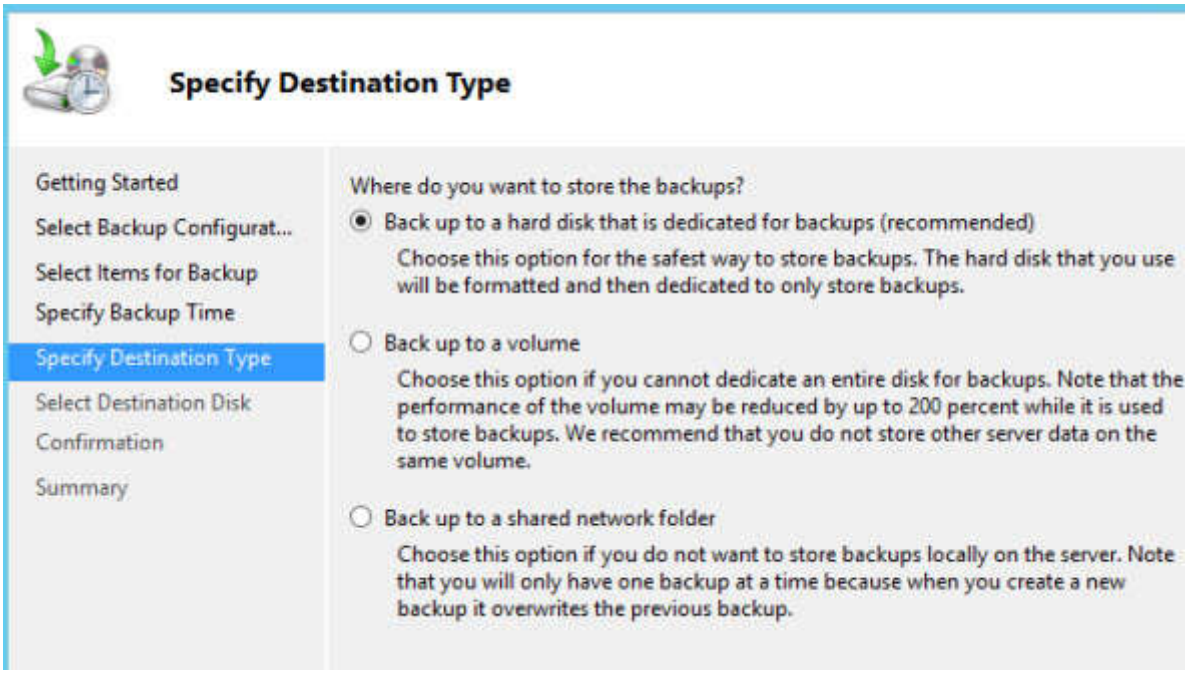

Next, click **Advanced Settings** and on the **VSS Settings** tab make sure **VSS full backup** is chosen. If you have chosen a Full Server backup then this step will not be required.



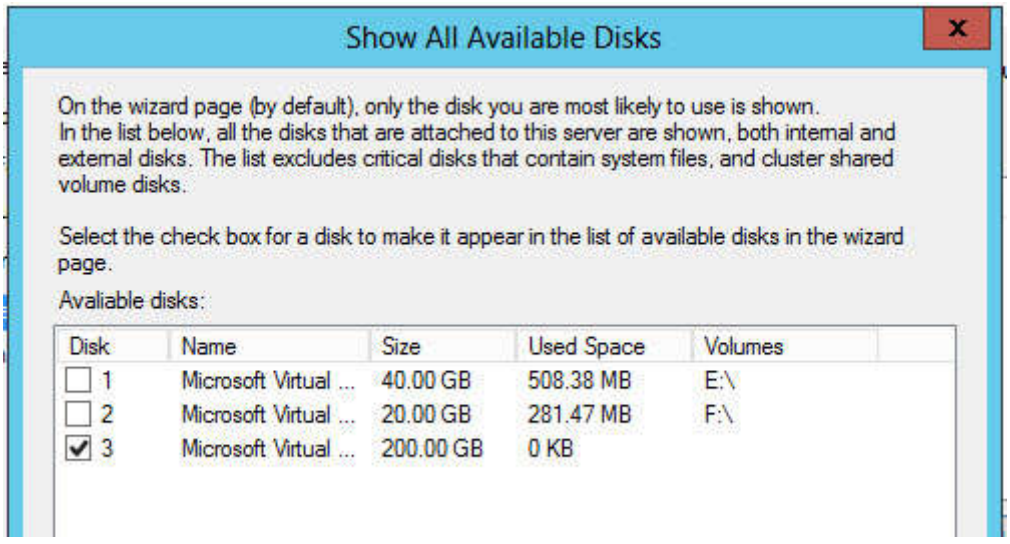

Continue through the wizard and choose a backup schedule, either once per day or multiple times per day.



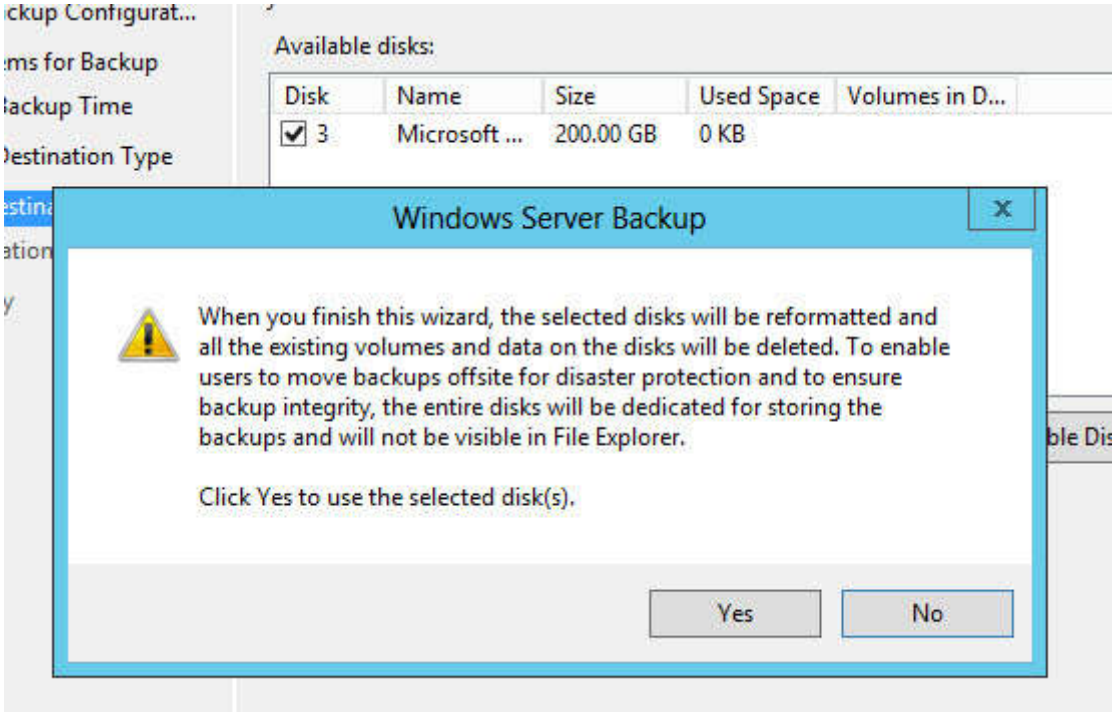

Choose the backup destination. For this demonstration I'm using the recommended method of a local hard disk that is dedicated for backups.



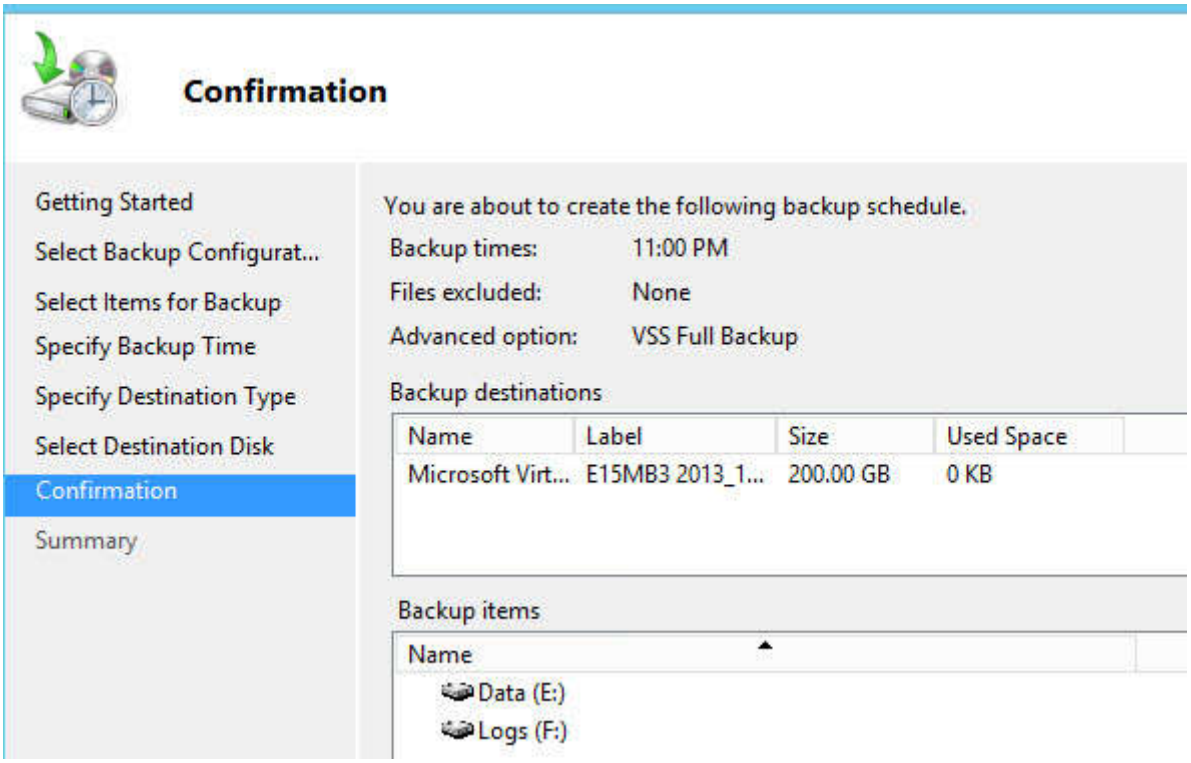

You may need to click **Show All Available Disks** if you do not immediately see the disk you wish to use as a backup destination.




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

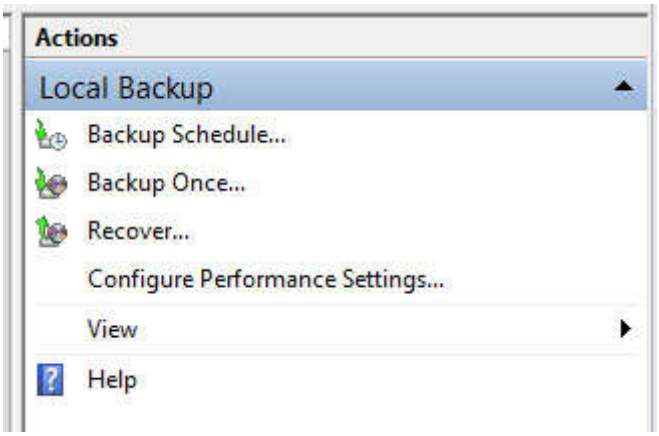



Review your selections and click **Finish** to create the scheduled backup job.




**Manually Running a Backup**

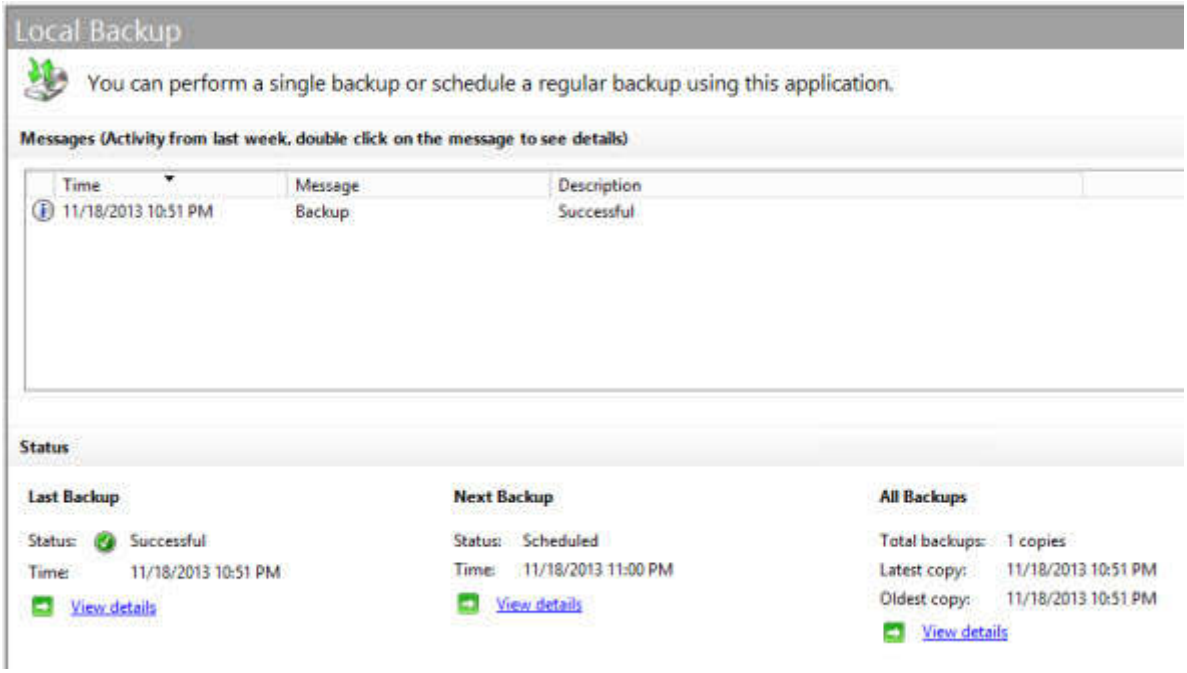
You can manually run a backup by launching the **Backup Once…** wizard.

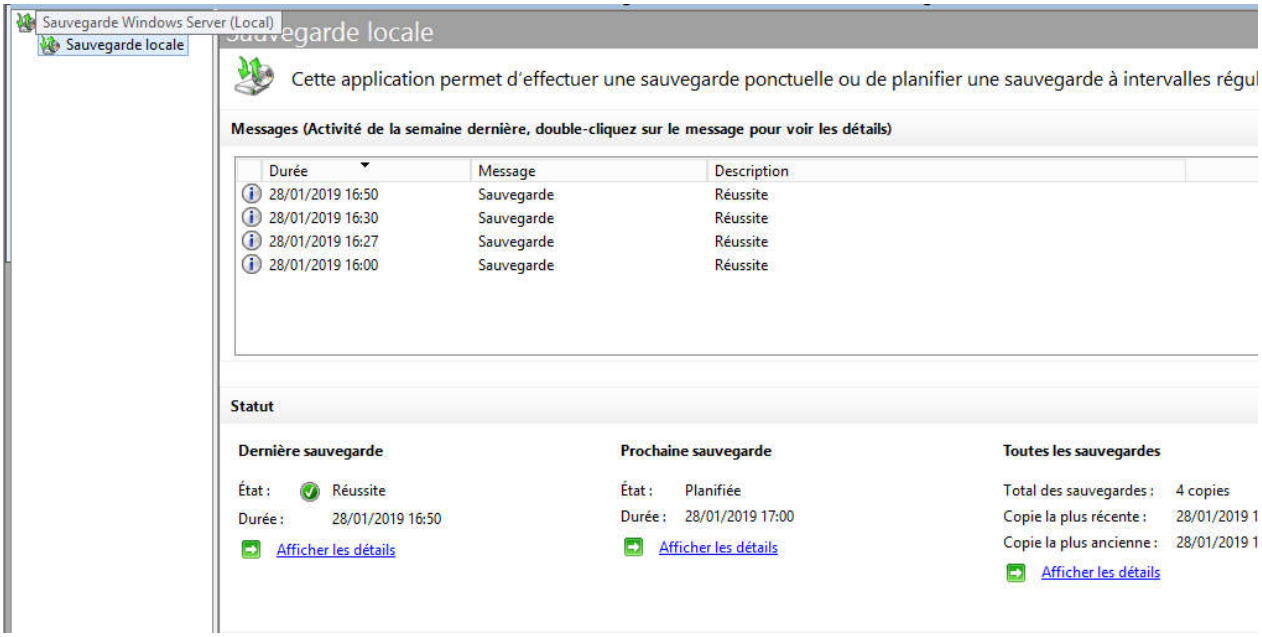



This gives you the choice of using the same settings that are configured for the scheduled backup job, or running through the same wizard shown above to choose settings for a one-off backup job.

**Checking Backup Status**

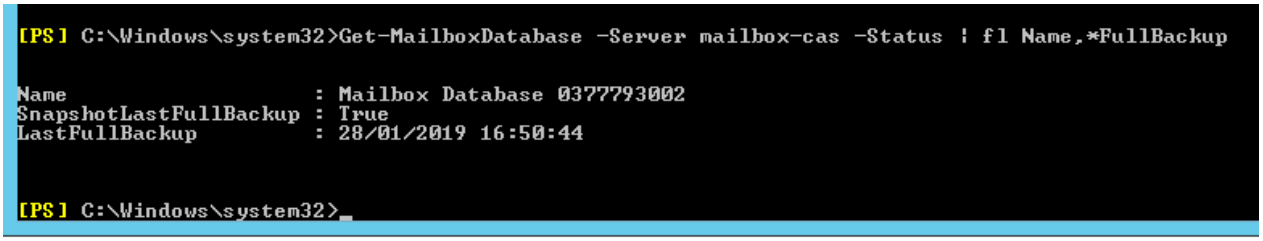
The status of backup jobs is reported in the Windows Server Backup console.






Vérification dans le « Exchange Management Shell «

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



## 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

LANCEMENT DE LA RECUPERATION

```
[PS] C:\Windows\system32>New-MailboxRestoreRequest -SourceDatabase "mailbox database 0377793002" -SourceStoreMailbox "T
tech1" -TargetMailbox t.tech1 -allowlegacydnmismatch

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 desactivé 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
AVERTISSEMENT : 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>
```

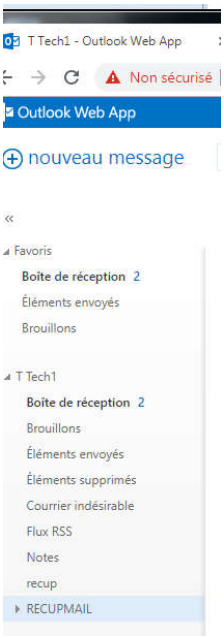
```
[PS] C:\recup2>get-mailboxdatabase

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

DisplayName                                                      ItemCount StorageLimitStatus LastLogonTime
-----------                                                      --------- ------------------ -------------
SystemMailbox{c1beca90-4d92-4ee3-9702-9b793b7ecee2}              10
Microsoft Exchange                                               6
Microsoft Exchange                                               8
HealthMailboxc1beca904d924ee397029b793b7ecee2                    735                          29/01/2019 05:42:35
HealthMailboxa94f9af3fddb4301afbd0d832957636b                    2361                         29/01/2019 05:43:36
HealthMailbox049e17523c864b9eb155eb21de58ceba                    3                            21/01/2019 17:11:23
Archive permanente - HealthMailbox9004671171f4d178ceab56c429c73dd 1                           28/01/2019 14:16:22
Administrateur                                                   11                           22/01/2019 09:47:34
Lise ADMIN2                                                      11                           22/01/2019 11:55:17
T Tech2                                                          13                           28/01/2019 14:23:18
Maxime ADMIN1                                                    14                           29/01/2019 04:04:54
Anne SECRE1                                                      3
Microsoft Exchange Migration                                     2
Catherine SECRE2                                                 3
Marie SECRE3                                                     7                            23/01/2019 12:02:19
Michèle SECRE4                                                   4
T Tech1                                                          25                           28/01/2019 12:17:58
T Tech3                                                          11                           23/01/2019 11:09:17
PUBLIC                                                           0

[PS] C:\recup2>
```

Excemple 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                                                                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

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

```
[PS] C:\recup2>New-MailboxRestoreRequest -SourceDatabase RECUPBASE -SourceStoreMailbox "Anne SECRE1" -TargetMailbox a.se
cre1@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>
```