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**}

<pre>Commentation of the second of the secon</pre>
DisplayName : Anne SECRE1 IotalltenSize : 5.392 KB (5,521 bytes) IotalDeletedItenSize : 0 B (0 bytes) IssueWarningQuota : ProhibitSendQuota : 10.24 MB (10,737,664 bytes)
[PS] C:\Uindows\ewstam32\

LES BASES DE DONNEES EXCHANGE

<mark>LPS]</mark> C:\Windows\system32>get-	mailboxdatabase		
Name	Server	Recovery	ReplicationType
Mailbox Database 0377793002 Mailbox Database 1993659143	MAILBOX-CAS MAILBOX2	False False	None None
[PS] C:\Windows\system32>			

EMPLACEMENT DATABASES

[PS] C:\Windows\system32>get-mailboxdatabase {select edbfilepath

EdbFilePath

C:\Program Files\Microsoft\Exchange Server\U15\Mailbox\Mailbox Database 0377793002\Mailbox Database 0377793002.edb C:\Program Files\Microsoft\Exchange Server\U15\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 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-MailboxExportRequ	est -Mailbox t.tech1 -FilePath \\MAILBOX-CAS\sa	v_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

Get-MailboxExportRequest -Name

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

[PS] C:\Windows\system32>Get-M	ailboxExportRequest	
Name	Mailbox	Status
MailboxExport	tssi.local/Users/T Tech1	Completed
[PS] C:\Windows\system32>		

🦺 🕞 🛄 = I 👘	5	av_exchange	
Fichier Accueil	Partage Affichage		
€ ⊚ - ↑	MAILBOX-CAS\sav_exchange		Ŷ
🔆 Favoris	Nom	Modifié le	Туре
🔜 Bureau 🔛 Emplacemer	t_tech1.pst	28/01/2019 13:55	Fichier PST

IMPORT

Name	Mailbox	Status
lailboxImport	tssi.local/Users/T Tech1	Queued
PS1 C:\Windows\system32>		
[PS] C:\Windows\system32>ge	t-mailboximportrequest	
<mark>.PS]</mark> C:\Windows\system32}ge łame	t-mailboximportrequest Mailbox	Status
[PS] C:\Windows\system32>ge Nane MailboyImport	t-mailboximportrequest Mailbox tssi local/Users/T Tech1	Status Complete
[PS] C:\Windows\system32>ge Name MailboxImport	t-mailboximportrequest Mailbox tssi.local/Users/T Tech1	Status Completed

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.



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.



Select Backup Configuration

Getting Started	What type of configuration do you want to schedule?
Select Backup Configurat	Full server (recommended)
Specify Backup Time	l want to back up all my server data, applications and system state. Backup size: 39.36 GB
Confirmation Summary	 Custom I want to choose custom volumes, files for backup.

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.

Select Item	s for Backup
Getting Started Select Backup Configurat	Select the items that you want to back up. Selecting bare metal recovery will provide you with the most options if you need to perform a recovery.
Select Items for Backup Specify Backup Time Specify Destination Type Confirmation Summary	Data (E:)
	< III > Add Items Remove Items Advanced Settings

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.

		Advanced Settings
ile exclusior SS settings	is count: 0 : VSS I	Full Backup
Exclusions	VSS Settings	
 VSS ful Choose update 	l Backup this option if you s the backup hist	are not using any other product to back up applications. This option ory of each file and clears the application log files.
O VCC on	py Backup	

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

Getting Started	How often and when do	you want to run b	ackups?	
Select Backup Configurat	Select time of day:	11:00 PM	~	
Specify Backup Time	O More than once a da	y		
Specify Destination Type Confirmation	Click an available tir Available time:	ne and then click A	dd to add it to the Scheduled tir	e backup sched me:
Summary	12:00 AM 12:30 AM 1:00 AM 1:00 AM 1:30 AM 2:00 AM 2:30 AM 3:00 AM 3:30 AM	Add >	9:00 PM	~

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	Where do you want to store the backups?
Select Backup Configurat	Back up to a hard disk that is dedicated for backups (recommended)
Select Items for Backup	Choose this option for the safest way to store backups. The hard disk that you use will be formatted and then dedicated to only store backups.
эресну васкир типе	O Back up to a volume
Specify Destination Type	Choose this option if you cannot dedicate an entire disk for backups. Note that the
Select Destination Disk	performance of the volume may be reduced by up to 200 percent while it is used
Confirmation	to store backups. We recommend that you do not store other server data on the same volume.
Summary	- some volume.
1997 (1997) - 1 9	O 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.

On the w in the list external (izard page (by default), below, all the disks that disks. The list excludes o lisks.	only the disk yo are attached t critical disks th	ou are most likely t to this server are s at contain system	o use is shown. hown, both internal files, and cluster sha	and ared
Select th Dage.	e check box for a disk to	o make it appe	ar in the list of ava	ailable disks in the w	rizard
Select th Dage. Avaliable Disk	e check box for a disk to disks: Name	o make it appe Size	ar in the list of ava	ailable disks in the w	rizard
Select th bage. Avaliable Disk	e check box for a disk to disks: Name Microsoft Virtual	o make it appe Size 40.00 GB	ar in the list of ava Used Space 508.38 MB	ailable disks in the w Volumes E:\	izard
Select th bage. Avaliable Disk	e check box for a disk to disks: Name Microsoft Virtual Microsoft Virtual	o make it appe Size 40.00 GB 20.00 GB	used Space 508.38 MB 281.47 MB	ilable disks in the w Volumes E:\ F:\	rizard

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

	Disk Name Size Used Space Volumes in				Volumes in D
ation Type	⊻ 3	Microsoft 200.00 GB 0 KB			
	- W	Windows S	erver Back	up	X
use bao bao	ers to move t ckup integrit ckups and wi	backups offsite fo y, the entire disks ill not be visible i the selected disk	or disaster pro s will be dedic n File Explorer c(s).	tection and to ated for storing	ensure g the

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

Confirmati	on			
Getting Started Select Backup Configurat Select Items for Backup Specify Backup Time Specify Destination Type	You are about to Backup times: Files excluded: Advanced optior Backup destinati	create the following 11:00 PM None 1: VSS Full Back ons	j backup sche up	dule.
Select Destination Disk	Name	Label	Size	Used Space
Confirmation	Microsoft Virt	E15MB3 2013_1	200.00 GB	0 KB
Summary				
	Backup items			
	Name	•		
	😂 Data (E:)			
	Logs (F:)			

Manually Running a Backup

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

Acti	ions	
Lo	cal Backup	*
Ð	Backup Schedule	
6	Backup Once	
10	Recover	
	Configure Performance Settings	
	View	•
?	Help	

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.

And Solution (The And Solution) with			
🖖 You can perform a	single backup or schedule a regular	r backup using this application.	
lessages (Activity from last we	ek, double click on the message to see deta	ails)	
Time	Message Descrip	ption	
(1) 11/18/2013 10:51 PM	Backup Succes	ssful	
5-114-2			
tatus			
tatus Last Backup	Next Backup	All Backups	
tatus Last Backup Status: 👩 Successful	Next Backup Status: Scheduled	All Backups Total backup	s 1 copies
tatus Last Backup Status: 🕐 Successful Time: 11/18/2013 10:51 P	Next Backup Status: Scheduled M Time 11/18/2013	All Backups Total backup 11:00 PM Latest copy:	s: 1 copies 11/18/2013 10:51 PM
tatus Last Backup Stetus: Ø Successful Time: 11/18/2013 10:51 P	Next Backup Status: Scheduled M Time: 11/18/2013 Status: View details	All Backups Total backup 11:00 PM Latest copy: Oldest copy:	s: 1 copies 11/18/2013 10:51 PM 11/18/2013 10:51 PM

Messages (Activité de la sen	naine dernière, double-cliqu	iez sur le message pour voir les détails)		
Durée	Message	Description		
(1) 28/01/2019 16:50	Sauvegarde	Réussite		
28/01/2019 16:30	Sauvegarde	Réussite		
28/01/2019 16:27	Sauvegarde	Réussite		
20/01/2019 10:00	Sauveyalde	NEUSSILE		
Statut				
Statut Dernière sauvegarde		Prochaine sauvegarde	Toutes les sauvegardes	
Statut Dernière sauvegarde État : 🕐 Réussite		Prochaine sauvegarde État : Planifiée	Toutes les sauvegardes Total des sauvegardes :	4 copies
Statut Dernière sauvegarde État :	50	Prochaine sauvegarde État : Planifiée Durée : 28/01/2019 17:00	Toutes les sauvegardes Total des sauvegardes : Copie la plus récente :	4 copies 28/01/2019 1
Statut Dernière sauvegarde État : Réussite Durée : 28/01/2019 16:	50	Prochaine sauvegarde État : Planifiée Durée : 28/01/2019 17:00	Toutes les sauvegardes Total des sauvegardes : Copie la plus récente : Copie la plus récente :	4 copies 28/01/2019 1 28/01/2019 1

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

LANCEMENT DE LA RECUPERATION

<mark>[PS]</mark> C:\Windows\system32>New-Mail] tech1" -TargetMailbox t.tech1 -al	boxRestoreRequest -SourceDatabase "mailbox lowlegacydnmismatch	database 0377793002" -SourceStoreMailbox "T
Name	TargetMailbox	Status
MailboxRestore	tssi.local/Users/T Tech1	Queued

[PS] C:\Windows\system32>get-mailboxre	storerequest	
Name	TargetMailbox	Status
MailboxRestore	tssi.local/Users/T Tech1	Completed

Name	Alias	ServerName	ProhibitSendQuota
Administrateur	 Administrateur	mailbox-cas	Unlimited
Maxime ADMIN1	m.admin1	mailbox-cas	Unlimited
Lise ADMIN2	1.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

<u>PS :</u> 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:\Windows\system32>New-MailboxD	atabase -Recovery -Name	savrecup -Server ma	0377793002.edb" ailbox-cas -EdbFilePath "c:\recup\Mailbox
Database 0377793002.edb" -LogFolderF AUERTISSEMENT : La base de données de c:\recup\Mailbox Database 0377793002.	'ath c:\recup = récupération 'savrecup edb. La base de données	' a été créée à l'ai doit être arrêtée c	ide du fichier existant : correctement pour pouvoir être montée.
Name Server	Recovery	ReplicationType	
Savrecup MAILBO AVERTISSEMENT : Veuillez redémarrer l avoir ajouté de nouvelles bases de do IPSJ C:\Windows\system32>_	X-CAS True e service Microsoft Exc nnées de boîtes aux let	None hange Information St tres.	core sur le serveur MAILBOX-CAS après
[PS] C:\Windows\system32>ge	t-mailboxdatabase)	
Name	Server	Recovery	ReplicationType
 Mailbox Database 0377793002 savrecup [PS] C:\Windows\system32>_	MAILBOX-CAS MAILBOX-CAS	False True	None None None

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 :

[<mark>PS]</mark> C:\recup2>Mount-database RECUPBASE [PS] C:\recup2>____

[PS] C:\recup2>get-mailboxdata	base			
Name	Server	Recovery	Repli	cationType
Mailbox Database 0377793002 savrecup RECUPBASE	MAILBOX-CAS MAILBOX-CAS MAILBOX-CAS MAILBOX-CAS	False True True	None None None	
[PS] C:\recup2>				
[PS] C:\recup2>Get-MailboxStatistics -Data	base RECUPBASE Format-	-Table -auto		
DisplayName		ItemCount Sta	orageLimitStatus	LastLogonTime
SystemMailboxCtlbeca90-4d92-4ee3-9702-9b793 Microsoft Exchange HealthMailboxclbeca904d924ee397029b793b7ec HealthMailboxa94f9af3fddb4301afbd0d83295763 HealthMailboxd949t75232664b9eb155eb21de58c Archive permanente - HealthMailbox90046071: Administrateur Lise ADMIN2 T Tech2 Maxime ADMIN1 Anne SECRE1 Microsoft Exchange Migration	3b7ecee2> 96b 96b 971f 4d178ceab56c429c73dd	$\begin{array}{c}$		29/01/2019 05:42:35 29/01/2019 05:43:36 21/01/2019 17:11:23 28/01/2019 14:16:22 22/01/2019 01:47:34 22/01/2019 01:55:17 28/01/2019 11:55:17 28/01/2019 04:23:18 29/01/2019 04:04:54
Catherine SECRE2 Harie SECRE3 Michèle SECRE4 I Tech1 I Tech3 PUBLIC		3 7 4 25 11 0		23/01/2019 12:02:19 28/01/2019 12:17:58 23/01/2019 11:09:17

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

<mark>IPS]</mark> C:\recup2>New-MailboxRestor tssi.local -TargetRootFolder "RE	eRequest -sourcedatabase RECUPBASE -Sourcestoremailb CUPMAIL'' -AllowLegacyDNMismatch	ox "T Tech1" -TargetMailbox t.tech10
Name	TargetMailbox	Status
 MailboxRestore1	tssi.local/Users/T Tech1	Queued
[PS] C:\recup2>		
[PS] C:\recup2>get-mailboxre	storerequest	
Name	TargetMailbox	Status
MailboxRestore MailboxRestore1	tssi.local/Users/T Tech1 tssi.local/Users/T Tech1	Completed Completed
[PS] C:\recup2>_		
3 TTech1 - Outlook Web App		
÷ → C ▲ Non sécurisé		
Outlook Web App		
nouveau message		
«		
⊿ Favoris		
Boîte de réception 2		
Éléments envoyés		
Brouillons		
4 Tiech1		
Boîte de réception 2		
Brouillons		
Éléments envoyés		
Éléments supprimés		
Courrier indésirable		
Flux RSS		
Notes		
recup		
RECUPMAIL		

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>_			

<mark>[PS]</mark> C:\recup2>New-MailboxRestoreRequest cre1@tssi.local -AllowLegacyDNMismatch	-SourceDatabase RECUPBASE -SourceStoreMailbox	"Anne SECRE1" -TargetMailbox a.se
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>			~