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Introduction

Dans cette documentation je compte explorer l'installation de Veeam et la configuration de quelques jobs.

Installation

Il faut se rendre sur le site de veeam puis installer la solution au préalable il faudra avoir renseigné son mail etc.

Télécharger

👱 Envoyez-moi un lien de téléchargement

Version: 12.0.0.1420 P20230718 Taille: 12.2 GB

Je reçois le lien de téléchargement via mail et je télécharge.



VeeamBackup&Replication_12.0.0.1420_P20230718_202...

34,4 Mo/s - 1,3 Go sur 12,2 Go, 5 minutes restantes

Ensuite il faut appuyer sur le fichier et l'iso sera monter il faudra exécuter le fichier « setup.exe ».

認 > Ce	PC → Lecteur de DVD (F → ~	ට , P Rechercher dan	🔎 Rechercher dans : Lecteur de DVD (F:) Veeam Backup					
* ^	Nom	Modifié le	Туре	Taille				
	AIR	06/09/2023 14:06	Dossier de fichiers					
	Backup	06/09/2023 14:06	Dossier de fichiers					
	Catalog	06/09/2023 14:06	Dossier de fichiers					
	Cloud Portal	06/09/2023 14:06	Dossier de fichiers					
	EnterpriseManager	06/09/2023 14:06	Dossier de fichiers					
	EULA	06/09/2023 14:06	Dossier de fichiers					
ts	Explorers	06/09/2023 14:06	Dossier de fichiers					
	Packages	06/09/2023 14:06	Dossier de fichiers					
	Plugins	06/09/2023 14:07	Dossier de fichiers					
	Redistr	06/09/2023 14:07	Dossier de fichiers					
	Setup	06/09/2023 14:07	Dossier de fichiers					
ement:	Updates	06/09/2023 14:05	Dossier de fichiers					
	autorun 🛛	18/07/2023 18:15	Informations de c	1				
(C:)	문 Setup	09/02/2023 08:44	Application	392				

Appuyer sur « installer »



Sélectionner ça

Veeam Backup & Replication



Install Veeam Backup & Replication

Veeam Backup & Replication combines fast, flexible and reliable backup, recovery and replication for all your workloads and data.

\mathbf{N}	==
=	

Install Veeam Backup Enterprise Manager

Veeam Backup Enterprise Manager is an optional web-based management and reporting console for Veeam Backup & Replication. It provides a single pane of glass for larger environments with multiple backup servers.



Install Veeam Backup & Replication Console

Veeam Backup & Replication console is a Windows-based graphical user interface client for managing backup servers.

Accepter la licence ensuite.

Veeam Ba	ackup &	Replication	
----------	---------	-------------	--

License Agreement

Read the license agreements and accept them to proceed.

Please view, print or save the documents linked below.

By clicking "I Accept" button, I hereby accept the following:

- Agree and consent to the terms of Veeam License Agreement and licensing policy
- Agree and consent to each of the license agreements of 3rd party components used
- Agree and consent to each of the license agreements of required software

Back

I Accept

Cancel

X

Ensuite next

License

Provide license file for Veeam Backup & Replication.

					Browse
Update licens	e automatically (en	ables usage reporting	1)		
Download an sending the li Successful us	d install new licens icense ID, the instal age reporting doub	e automatically when y lation ID, and workloa les the number of wo	you renew or expand you Id usage counters to Vee rkloads you can exceed y	ur contract. This rea am servers periodi your installed licens	quires cally. se by.

If you don't have a license simply click Next to install the Community Edition.

Veeam EULA prohibits using Community Edition to provide any services to third parties. In particular, you may not install, configure or manage such backup servers at your client's environment as a consultant or an MSP.

	_		
Back		Next	Cancel

Un petit récapitulatif et on installe

Ready to Install Installation will begin with the f	ollowing settings.
Installation folder: vPower cache folder: Guest catalog folder: Database engine: SQL server: Database name: Catalog service port: Service port: Secure connections port: REST API service port: Check for product updates:	C:\Program Files\Veeam\Backup and Replication E:\ProgramData\Veeam\Backup\IRCache E:\VBRCatalog LOCAL SYSTEM PostgreSQL officetest:5432 VeeamBackup 9393 9392 9401 9419 Automatically
🌣 Customize Settings	Back Install Cancel

Les 8 étapes de l'installation s'effectuent ensuite.

Installing Veeam Backup & Replication Please wait, installation may require significant time.

Step 1 of 8: Installing PostgreSQL server 15.1-1...



Hybrid cloud optimized

Achieve even greater efficiency and security across the hybrid cloud with immutable backups for AWS and Microsoft Azure workloads, cloud-native application-aware backup agents, orchestrated DR to Azure, and unified cloud monitoring and reporting.

X	Setup could not automatically install required system prerequisites. Please install missing components and click "Retry" to continue.		
Require	ment	Status	
Vicroso	oft .NET Framework 4.7.2	🔺 Reboot require	ed
Vicroso	ft Visual C++ 2015-2019 Redistributable	🛕 Reboot require	ed
Vicroso	ft System CLR Types for SQL Server 2014	Passed	
Vicroso	ft Report Viewer Redistributable 2015	Passed	
Vicroso	ft PowerShell v5.1	🛕 Reboot require	ed
Vicroso	ft Universal C Runtime	😣 Failed	
Vicroso	oft .NET Runtime 6.0.12	Passed	
Vicroso	ft ASP.NET Core Shared Framework 6.0.12	Passed	

Ensuit exécuter Veeam une fois l'installation terminer



Se connecter avec l'user local

Veeam Backup & F	× Replication 12				
Type in a backup server name or					
and user credentials to connect w	v 9392				
WIN-A9I4UBIKKJQ\Administrate	ur				
Password					
✔ Use Windows session authentication					
Save shortcut	Connect Close				

Ensuite installer les composants sur le serveur

Componen	ts Update			×
	Servers Select servers to update selection. Update proce	e product's components on. Cor ess will not reboot the updated s	isider removing servers which are currently down or u erver.	nreachable from
Servers		Managed servers:		
Update		Server WIN-A9I4UBIKKJQ	Update required Installer, Mount Server, Transport, V	Details Refresh
				Select All
				Clear All
			< Previous Apply Finish	Cancel

Ensuite les composants s'installent

Compone	nts Update			×
	Update Please wait while prod	uct's components are update	ed on the selected servers, this will take a few minutes.	
Servers		Server	Status	
Update		SWIN-A9I4UBIKKJQ	All components have been upgraded.	
			< Previous Next > Finish	Cancel

Ensuite « Finish »

Repository

Ensuite je vais rajouter un repository ou mes sauvegardent seront stocker

Repository Repository Permissions Location * Manage Repository Manage Settings Tools								
Backup Infrastructure	Q Type in an object name to s	earch for	×					
Backup Proxies	Name 🕇	Туре	Host	Path	Capacity	Free	Used Space	Description
Backup Repositories	📑 Default Backup Repository	Windows	WIN-A9I4UBIK	C:\Backup	149,5 GB	108,6 GB	0 B	Created by Veeam Backup
External Repositories								
Service Providers								
SureBackup								
Application Groups								
H Virtual Labs								
Managed Servers Microsoft Windows								
Inventory								
Backup Infrastructure								
History								

Par défaut c'est « C:/Backup »

Ne disposant pas de disques externes je vais juste créer un dossier « Sauvegarde » au même endroit et configurer le nouveau repository.

Je vais partager ce fichier via le réseau avec des droits élargis aussi

Je mets aussi les droits élargis pour ne pas avoir de soucis



Ajout du repository



New Backup Repository Name Type in a name and de	scription for this backup repository.	
Name	Name:	
i vuine	Backup 1	
Share	Description:	
Repository	Created by WIN-A9I4UBIKKJQ\Administrateur at 19/11/2023 13:46.	
Mount Server		
Review		
Apply		
Summany		
	< Previous Next > Finish Cancel	
New Backup Repository Share Type in UNC path to s write data to this share	> share (mapped drives are not supported), specify share access credentials and how backup jobs should re.	~
Name	Shared folder:	
	\\Win-a9i4ubikkjq\sauvegarde Browse	
Share	Use \\server\folder format	
Repository	This share requires access credentials:	
Mount Server	✓ Add	
Review	Manage accounts	
Apply	Gateway server:	
Арріу	Choosen Choosen	
Summary		
	< Previous Next > Finish Cancel]

Ensuite Veeam détecte le partage la data disponible dessus et utilisé.

Je limite à une tache à la fois parceque le serveur n'est pas trop puissant.

New Backup Repository

Repository Type in path to the fo	lder where backup files should be stored, and set repository load control options.
Name Share	Location Path to folder: \\Win-a9i4ubikkjq\sauvegarde
Repository Mount Server Review Apply Summary	Capacity: 149,5 GB Free space: 108,6 GB 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:
	Click Advanced to customize repository settings. Advanced Previous Next > Finish Cancel

New Backup Repository		×
Mount Server Specify a server to m Instant recoveries rec	ount backups to when performing advanced restores (file, application item and instant VM quire a write cache folder to store changed disk blocks in.	recoveries).
Name	Mount server:	Add New
Share	Instant recovery write cache folder:	
Repository	C:\ProgramData\Veeam\Backup\IRCache\	Browse
Mount Server	Ensure that the selected volume has sufficient free disk space to store changed disk block recovered machines. We recommend placing the write cache folder on an SSD drive.	s of instantly
Review	✓ Enable vPower NFS service on the mount server (recommended)	Ports
Apply	Unlocks instant recovery of any backup (physical, virtual or cloud) to a VMware vSphe vPower NFS service is not used for instant recovery to a Microsoft Hyper-V VM.	ere VM.
Summary		
	< Previous Next > Finish	Cancel

Ensuite un résumé et on accepte

 \times

New Backup Repository Review Please review the set	tings, and click Apply to continue.	×
Name	The following components will be processed on se	rver WIN-A9I4UBIKKJQ:
	Component name	Status
Share	Transport	already exists
Repository	vPower NFS	already exists
	Mount Server	already exists
Mount Server		
Review Apply Summary	Search the repository for existing backups and Import guest file system index data to the c	import them automatically atalog
	< Previo	us Apply Finish Cancel

Ensuite une install ce réalise

	Apply Please wait while back	kup repository is created and saved in configuration, this may take a few minute	5 .	
Name		Message	Duration	
Share		Starting infrastructure item update process	0:00:04	
		[WIN-A9I4UBIKKJQ] Discovering installed packages	0:00:01	
Repositor	у	💟 [WIN-A9I4UBIKKJQ] Registering client WIN-A9I4UBIKKJQ for package		
		💟 [WIN-A9I4UBIKKJQ] Registering client WIN-A9I4UBIKKJQ for package		
Mount Se	rver	💟 [WIN-A9I4UBIKKJQ] Registering client WIN-A9I4UBIKKJQ for package		
Davian		[WIN-A9I4UBIKKJQ] Discovering installed packages		
Review		All required packages have been successfully installed		
Apply		C Detecting server configuration		
		C Reconfiguring vPower NFS service	0:00:01	
Summary	r	Creating configuration database records for installed packages		
		Collecting backup repository info		
		Creating database records for repository	0:00:05	
		Backup repository has been saved successfully		
		< Previous Next >	Finish	Cancel

Un petit résumé et on accepte

Et on accepte ici



Ensuite on ajoute un serveur à gerer



Ensuite j'ajoute un serveur hyper-v

Add Server Select the type of a server you want to add to your backup infrastructure. All already registered servers can be found under the Managed Servers node on the Backup Infrastructure tab.		
vm	VMware vSphere Adds VMware private cloud infrastructure servers to the inventory.	
	Microsoft Hyper-V Adds Microsoft private cloud infrastructure servers to the inventory.	
	Microsoft Windows Adds a Microsoft Windows server to the inventory.	
	Linux Adds a Linux server to the inventory.	
Ð	Veeam cloud-native backup appliance Adds Veeam Backup for AWS, Microsoft Azure or Google Cloud Platform appliance to the inventory.	
K	Kasten K10 backup for Kubernetes Connects to an existing Kasten K10 instance.	



Microsoft Hyper-V

Select the type of a Microsoft server you want to add to the inventory.



Hyper-V

Adds a SCVMM server, a Hyper-V cluster, or a standalone Hyper-V host to the inventory.



SMB3

Adds an SMB3 server cluster, or standalone SMB3 server.

On ajoute l'IP

New Hyper-V Server	Х
Name Specify DNS name of	IP address of Microsoft Hyper-V server.
Name	DNS name or IP address:
Туре	192.168.1.210 Description:
Credentials	Created by WIN-A9I4UBIKKJQ\Administrateur at 19/11/2023 13:59.
Review	
Apply	
Summary	

Ce n'est pas un cluster mais un hyper-V seul



J'ajoute un credential

Si fc C	elect an account with local administrator privileges on the server y ormat for domain accounts, or HOST\USER for local accounts. Gredentials:	rou are adding. Use l	DOMAIN\USER
	Select existing credentials or add new	~	Add
		Manage accounts	

Je mets le nom du PC et User admin local + mot de passe

Credenti	als			×
P	Username: Password:	misri\PC	ি	Browse
	Description:			
	misri\PC			
			ОК	Cancel

Backup des VM sur un serveur hyper-V

Pour un Hyper-V il y'a un point crucial ou il faut faire attention il faut le rôle hyper-V server installé sur le windows server, sur un simple client sous windows 10 sa ne fonctionne pas

Il faut aussi impérativement utiliser un FQDN et non une IP car sinon sa cause des soucis avec veeam.

Il faut aussi préciser nom de domaine ou nom du PC avant le nom d'user, et ne pas utiliser l'user administrateur par défaut.

J'ai crée un user « admin » j'ai modifié le nom de la machine pour l'appeler « hyper-v »

Pour me connecter lorsque j'ajoute un hote hyper-v standalone, hyperv\admin

New Hyper-V Server Review Please review your se	ettings and click Apply to continue.		*
Name Type Credentials Review Apply Summary	Due to these modifications the following Component name Component	ing components will be installed or removed on the target host: Status will be installed will be installed kup proxy for jobs running in the on-host backup mode.	
		< Previous Apply Finish Cancel	

Ici une fois l'host valider, Veaam installera l'agent sur le serveur hyper-v.

L'install s'effectue

New Hyper-V Server		×
Apply The following servers	have been processed.	
Name Type	Message Starting infrastructure item update process Detecting operating system	Duration 0:00:04
Credentials Review	 Collecting hardware info Creating temporary folder Uploading VeeamTransport.msi package: 31% done 	0:00:05
Summary		
	< Previous Next >	Finish Cancel

Une fois terminé on appuie sur « Next »

Ensuite on a un petit resumé et on valide.

New Hyper-V Server

.

Summary

You can copy the configuration information below for future reference.

Name	Summary:
Туре	Microsoft Hyper-V server 'hyperv.Sadek.info' was successfully saved. OS version: Microsoft Windows Server 2019 Standard 64 bits (10.0.17763 build:17763).
Credentials	User: hyperv\admin Hardware info:
Paulau	Chassis type: Virtual (Hyper-V) Cores count: 1
Review	Components: Hyper-V Integration using port 6163
Apply	Installer using port 6160
Summary	
	< Previous Next > Finish Cancel

Ensuite on voit la machine dans nos hosts

Manage server 100is				
Backup Infrastructure	Q Type in an object na	me to search for	×	
a 🗧 Backup Proxies	Name 🕇	Туре	Description	
📑 Unavailable (2)	192.168.1.210	Microsoft Windows server	Created by WIN-A9I4UBIKKJQ\Administrateur at 1	
Backup Repositories	hyperv.Sadek.info	Microsoft Hyper-V server	Created by WIN-A9I4UBIKKJQ\Administrateur at 2	
🖻 📑 Unavailable (2)	WIN-A9I4UBIKKJQ	Microsoft Windows server	Backup server	
🛼 External Repositories				
WAN Accelerators				
Service Providers				
▲ L SureBackup				
🕂 Application Groups				
📇 Virtual Labs				
 Managed Servers 				
Microsoft Hyper-V				
A Home				
Inventory				
Backup Infrastructure				

Backup d'une VM windows server 2012

Remarque

J'ai remarqué que lorsque j'installe Veeam Backup sur windows server 2012 R2, tout fonctionne correctement biensur en suivant le process plus haut pour l'ajout d'un hote hyper-V.

Si je rencontre une erreur d'appel RPC ou autre il faut sois debugger en profondeur ou refaire une install propre de Veeam.

Mise en place

J'ai une machine windows server 2012 que je souhaite backuper sur mon hyper-v

Pour cela il faut que je crée un nouveau job.



On le nomme, une description si besoin.

	New Backup Job
Name Type in a name and	description for this backup job.
Name	Name:
	backup_win2012
Virtual Machines	Description:
Storage	Created by WIN-HG55V30U1E7\Administrateur at 22/11/2023 23:02.
Guest Processing	
Schedule	
Summary	
	High priority Backup infrastructure resources are offered to high priority jobs first. Use this option for jobs sensitive to the start time, or jobs with strict RPO requirements.
	< Previous Next > Finish Cancel

Ensuite cliquez sur « Add »

changes as you add new VMs into the container.						
:	Virtual machines to backup:	Tuno	Size	Add		
al Machines	Name	туре	3120	Remove		
ge						

Sélectionnez la machine que vous souhaitez sauvegarder.



On voit l'espace disponible sur le default backup, on peut modifier.

Pour le backup proxy laissez comme tel, pas besoin de modifier quoi que ce soit normalement.

Storag Specifi this jo	y processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by b and customize advanced job settings if required.
Name	Backup proxy:
Virtual Machines	Off-host backup (automatic proxy selection) Choose
	Backup repository:
Storage	Default Backup Repository (Created by Veeam Backup) 🗸
Guest Processing	97,4 GB free of 126 GB Map backup
Schedule	Retention policy: 7 🗘 days 🗸 🚺
Summary	GFS retention policy is not configured
	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 Advanced
	size, notification settings, automated post-job activity and other settings.
	< Previous Next > Finish Cancel

Ne touchez qu'en cas de besoin.

Guest Processing Choose guest OS p	processing options available for running VMs.
Name Virtual Machines Storage	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 Enable guest file system indexing Creates restance of quest file to enable browsing rearching and 1-click restorer of individual files.
Guest Processing Schedule	Indexing is optional, and is not required to perform instant file level recoveries. Customize advanced guest file system indexing options for individual machines Guest OS credentials:
Summary	Select existing credentials or add new
	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

Tout les jours à 22h.

Schedule Specify the job sche	eduling options. If you do not se	t the schedul	e, th	ne job will nee	d ti	o be controlled m	ianually.	
Name	Run the job automatically							
Virtual Machines	Daily at this time:	22:00	\$	Everyday			~	Days
virtual machines	O Monthly at this time:	22:00		Fourth	~	Saturday	~	Months
Storage	O Periodically every:	1	~	Hours			~	Schedule
Guest Processing	 After this job: 							~
Schedule	Automatic retry							
Summary	Retry failed items pro Wait before each retry Backup window Terminate the job out Long running or accic on your production in	cessing: r attempt for: side of the al lentally starte frastructure o	3 10 d jo	 time minu minu minu minu minu minu minu minu minu 	s ute: nda nin	s wated to prevent ir	mpact	Window
			< Pr	revious	Ap	oply Fin	ish	Cancel

Summary You have successful	ly created the new backup job.
Name Virtual Machines Storage Guest Processing Schedule Summary	Summary: Name: backup_win2012 Target Path: C:\Backup Type: Hyper-V Backup Source items: win2012 (hyperv.sadek.info) Target repository: Default Backup Repository Target repository host: WIN-HG55V30U1E7 Target repository path: C:\Backup PowerShell cmdlet for starting the job: Get-VBRJob -Name "backup_win2012" Start-VBRJob
	Run the job when I click Finish Previous Next > Finish Cancel

Start Stop Retry Active Full Job Control	k lete									
Home	Q Type in an object nar	ne to search for		×						
⊿ % Jobs ₩ Backup	Name 1	Type Hyper-V Backup	Objects 1	Status	Last Run 9 minutes ago	Last Result	Next Run 23/11/2023 22:00	Target Default Backup Repository	Description Created by WIN-HG55V30U1E7\Administrateur at 22/11	
 ■ Bactops Botk Bat 24 Hours Aunning (1) 										
	Job progress:						6%			0 of 1 VMs
	SUMMARY		DATA		STATUS		THROUGHPUT	LAST 5 MIN)		
	Duration:	09:36	Processed:	7,2 GB (6%)	Success:	0				
Home	Processing rate:	15 MB/s	Read:	7,2 GB	Warnings:	0				
Inventory	Bottleneck:	Target	Transferred:	4,6 GB (1,6x)	Errors:	0				Speed: 0 KB/s
Backup Infrastructure	Name	Status	Action							Duration
Storage Infrastructure			Job started at 22/ Building list of ma	/11/2023 23:04:41 achines to process						00:06
Tape Infrastructure			 VM size: 127 GB (Changed block tr Processing win20 	(9,3 GB used) racking is enabled						09:19

Voilà reste à attendre et nous verrons ensuite comment restaurer la VM en cas de pépin.

Résultat



Restauration

Nous allons supprimer la VM et la restaurer.

Suppression :

Ordinateurs virtu	els			
Nom	État	Utilisation d	Mémoire affectée	Ter
	Aucun ordina	ateur virtuel détecté sur	ce serveur.	

Sur veeam :

Je retourne dans « Home » et je clique sur restore



Je selectionne hyper-v

Je restaure depuis un backup

Restore Choose whether you want to restore from backup or replica.



Je fais une restauration complète de la VM



Je restaure entièrement la VM.



	16 stored are able to be set	· · · ·		
/irtual Machines	Type in a VM name	for instant lookun		
Restore Mode	vijpe ar a viri name	, for instant tookop		
Secure Restore	Name	Size	Restore point	Add
_				Point
leason				Remove
Summary				

On fait ensuite from backup

Je sélectionne le backup que je veux en fonction de la date

	Backup Brow	ser		
Select object:				
Job name	Last restore point	Objects	Restore points	
backup_win2012	22/11/2023 23:04:41	1		
win2012	less than a day ago (2		1	
Type in an object nan	ne to search for			C

Virtual Machines Select virtual mach environment (cont	ines to be restored. You can siners will be automatically e	add individual virtua xpanded to plain list	al machines from backup files, or cont .).	ainers from live
Virtual Machines	Virtual machines to resto	ore:		
Restore Mode	Q Type in a VM name	for instant lookup		
Sociura Portoro	Name	Size	Restore point	Add
Secure Restore	win2012	9,31 GB	less than a day ago (23:05 mer	Point
Reason				Remove
Summary				
		<	Previous Next > Finish	Cancel

On peut soit restaurer au même endroit ou un nouvel endroit avec de nouvgeaux paramètres au niveau réseau emplacement etc.

Restore Mode Specify the desire	d restore mode.
Virtual Machines	Restore to the original location Quickly initiate the restore of selected VM to its original location, with the original name and This reflection is a selected VM to its original location, with the original name and
Secure Restore	Security: This option minimizes one chance or user input error. Restore to a new location, or with different settings Customize the restored VM location, and change its settings. The wizard will automatically populate
Reason	all controls with the original VM settings as the defaults.
	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.
	< Previous Next > Finish Cancel

On peut aussi demander à Veeam de scanner la VM pour vérifier qu'il n'ya pas de malware dedans.

Excellent en cas de plan de reprise d'activité apres une cyber-attaque.

Secure Restore Scan the selected baa compatible antivirus	ckup for malware, such as computer viruses or ransomware, prior to performing the restore. This requires a installed on the mount server specified for the corresponding backup repository.
Virtual Machines Restore Mode	Scan the restored machine for malware prior to performing the recovery The machine you are about to restore will be scanned by antivirus software installed on the mount server to prevent a risk of bringing malware into your environment.
Secure Restore	If malware is found: Proceed with recovery but disable network adapters
Reason	O Abort VM recovery
Summary	Scan the entire image Continue scanning remaining files after the first malware has been found.
	< Previous Next > Finish Cancel

On peut donner une raison

La VM sera supprimer si elle existe



Un petit resumé

Summary You can copy this c	onfiguration information for the future reference.
Virtual Machines Restore Mode Secure Restore Reason Summary	Summary: Driginal machine name: win2012 New machine name: win2012 Restore point: less than a day ago (23:05 mercredi 22/11/2023) Target host: hyperv.sadek.info Restore to original location Network mapping: Microsoft Hyper-V Network Adapter - Virtual Switch -> Microsoft Hyper-V Network Adapter - Virtual Switch Secure Restore: Disabled Power on target VM after restoring
	< Previous Next > Finish Cancel

La restauration s'effectue je patiente maintenant.

	R	Restoring VM		
Name: Restore type: Initiated by:	win2012 Full VM Restore WIN-HG55V30U1E7\Administr	Status: Start time: rateur	In progress (0%) 22/11/2023 23:36:04 C	ancel restore task
Statistics Re Message	ason Parameters Log			Duration
Starting re	estore job from Default Backup Repositor	у		
Original V Queued for	'M not found or processing at 22/11/2023 23:3	36:10		0:00:02
Processin Required	g win2012 backup infrastructure resources	have been assigned		0:01:39
C Locking r	equired backup files estore (127 GB)			
Restoring Restoring	WMI config VM configuration file			
Restoring	WIN2012.vhdx (127 GB) : 1,7 GB	restored at 22 MB/s		0:01:27
				Close

La restauration est terminée on voit que comme je n'utilise que 8GO sur 127 seulement 8GO ont été restaurée donc les plus importants

	×
4	
3	
Duration	^
0:00:02	
0:07:43	
	≡
0:06:55	
0:00:16	
	0:00:16

Si nous retournons sur le serveur hyper-V nous verrons que la VM est revenue.

Ordinateurs v	Ordinateurs virtueis						
Nom	État	Utilisation d	Mémoire affectée	Ter			
🚆 win 2012	Désactivé						
<							
Points de cont	trôle						
		- All	vint de contrêle				
	L ordinateur virtuel	selectionne n a pas de po	unit de controle.				
	L ordinateur virtuel	selectionne n a pas de po	int de controle.				
	L ordinateur virtuel	selectionne n a pas de po	init de controle.				
	L ordinateur virtuel	selectionne n'a pas de po	ante de controle.				
	L ordinateur virtuel	selectionne n'à pas de po	ant de contione.				
	L ordinateur virtuel	selectionne n'à pas de po	ante de controle.				
	L ordinateur virtuel	selectionne n'a pas de po	an la de contradie.				
win2012	L ordinateur virtuel	selectionne n'a pas de po					
win2012	L ordinateur virtuel	selectionne n'a pas de po	win de Contione.	_			
win2012	Créé(e):	seectionne n'a pas de po 22/11/2023 23:36	20 En cluster :	Non			
win2012	Créé(e) : Version de configurat	selectionne n'a pas de po 22/11/2023 23:36: 30n : 9.0	20 En cluster :	Non			
win2012	Créé(e) : Version de configurat Génération :	22/11/2023 23:36 1	20 En cluster :	Non			
win2012	Créé(e) : Version de configural Génération : Remarques :	22/11/2023 23:36: 1 Aucun	20 En cluster :	Non			

Si je tente de démarrer la VM :



C'est parfait tout fonctionne.

Erreur RPC qui suit une erreur proxy host

Seul solution désinstaller les composants sur le serveur hyper-v et rajouter le serveur sur la console Veeam.

Veeam installation sur un serveur Windows

Il faut que le serveur ai une ip fixe et sois dans le même domaine pour faciliter la tache

Ici j'ai crée un domaine « veeam-lab.fr »





New Agent Backup Job Name Type in a name and	description for this agent backup job.
Job Mode Name	Name: Test-Backup-WIN01
Computers Backup Mode Storage Guest Processing Schedule Summary	Created by VEEAM-LAB\Administrateur at 25/01/2024 10:03.
	< Previous Next > Finish Cancel

Add Computer		\times
Host name or IP address:		
192.168.171.123		
Credentials:		
Select existing or add new credentials	~	Add
	Manage accounts	
	ОК	Cancel

New Agent Backup Job

Job Mode	Backup repository:	
Name	Disque X backup (Created by VEEAM-LAB\Administrateur at 25/01/2024 09:48.)	~
-	493,1 GB free of 499,9 GB	Map backup
Computers	Retention policy: 7 🖨 days 🗸	
Backup Mode	Keep certain full backups longer for archival purposes	Configure
Storage	GFS retention policy is not configured	Comgarea
Guest Processing	Configure secondary destinations for this job	
	Copy backups produced by this job to another backup repository, or tape. We re	commend to make at
Schedule	least one copy of your backups to a different storage device that is located off-si	te.
Summary		
	Advanced job settings include backup mode, compression and deduplication,	Advanced

New Agent Backup Job	×
Guest Processing Choose application pro	ocessing options.
Job Mode 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.
Computers	Customize application handling options for individual machines and applications Applications
Backup Mode	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.
Storage	Customize advanced guest file system indexing options for individual machines Indexing
Guest Processing	
Schedule	
Summary	
	< Previous Next > Finish Cancel

1.6

- 1 T

New Agent Backup Job

V

Schedule

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

Job Mode	🗹 Run the job automatically				
Name	Daily at this time:	22:00	Everyday	~	Days
Computers	 Monthly at this time: 	22:00	Fourth \sim	samedi ~	Months
	O Periodically every:	1 ~	Hours		Schedule
Backup Mode	 After this job: 	Test-Backup-WIN	01 (Created by VEEA	M-LAB\Administrateur	at 25/01/2024 🗸
Storage	Automatic retry				
Guest Processing	Retry failed items proc	essing: 3	times		
Schedule	Wait before each retry Backup window	attempt for: 10	minutes		
Summary	Terminate job outside Prevent long-running infrastructure during t	of the backup wind or accidentally start he busy hours.	low ted job from impacti	ng your production	Window
		<	Previous Ap	pply Finish	Cancel

Name	Туре	Objects	Status 🕇	Last Run	Last Res
🔅 Test-Backup-WIN01	Windows Agent Backup	1	Stopped	25 minutes ago	Success
3					

<					
SUMMARY		DATA		STATUS	Т
Duration:	11:51	Processed:	11,9 GB (100%)	Success:	1 🔘
Processing rate:	1 GB/s	Read:	10,4 GB	Warnings:	0
Bottleneck:	Source	Transferred:	6,2 GB (1,7x)	Errors:	0
Name	Status	Action Building hosts Waiting for res Processing CLI Load: Source 9 Primary bottles Job finished at	Duration 03:03 03:01 08:13		



Sur ma machine CLIENTE je vais créer une flotte de fichiers et formater disque et descendre un backup

42					
PerfLogs	random+14	random+35	random+56	random+77	random+
Program Files (x86)	random+15	random+36	random+57	random+78	random+
Programmes	random+16	random+37	random+58	random+79	random+
Utilisateurs	random+17	random+38	random+59	random+80	random+
Windows	random+18	random+39	random+60	random+81	random+
a	random+19	random+40	random+61	random+82	random+
boucle_fichier	random+20	random+41	random+62	random+83	random+
random+0	random+21	random+42	random+63	random+84	random+
random+1	📄 random+22	random+43	random+64	random+85	random+
random+2	random+23	random+44	random+65	random+86	random+
random+3	random+24	random+45	random+66	random+87	random+
random+4	random+25	random+46	random+67	random+88	random+
random+5	random+26	random+47	random+68	random+89	random+
] random+6	random+27] random+48	random+69	random+90	random+
random+7	random+28	random+49	random+70	random+91	random+
random+8	random+29	random+50	random+71	random+92	random+
random+9	random+30	random+51	random+72	random+93	random+
random+10	random+31	random+52	random+73	random+94	random+
random+11	random+32	random+53	random+74	random+95	random+
random+12	random+33	random+54	random+75	random+96	random+
random+13	random+34	random+55	random+76	random+97	random+
Ensuite je supprime tous les fichiers

Je lance un autre backup

Restauration





Restore from Veeam Agent backup

Select the type of restore you want to perform.



Entire machine restore

Restores backup as a virtual or cloud machine.



Disk restore

Restores the content of individual disks and volumes.



Guest files restore

Restores individual guest files from an image-level backup.



Application items restore

Restores individual application items from an image-level backup.



Database restore

Restores databases to a point in time back to the original or to a different server.



Disk Restore

Select the type of restore type you want to perform.



Volume restore

Restores individual volumes to the selected server or workstation.



Export disk

Exports disk content as a virtual disk file of the selected format.



Publish disk

Instantly publishes backed up disk content to any machine as a new volume.

Job name	Last restore point	Objects	Restore points	
Test-Backup-WIN01	25/01/2024 11:39:47	1		
CLI-VEEAM-01	less than a day ago (1		2	

2

Je prends cette dernière à 11h39

mputer na	me: CLI-VEEAM-01.veeam-lab.fr	
ita size:	11,8 GB	
vailable rest	ore points:	
Created		Туре
Created	a day ago (11:39 jeudi 25/01/2024)	Type Increment

Please wait
Rescanning the host

Destination host:				
CLI-VEEAM-01.veeam-lab.fr				Choose
Disk mapping:				٢2
Volume Disk 0	Layout	Туре	Capacity	Restore layout
Récupération	Simple	Basic	450 MB	
EFI system partition	Simple	Basic	99 MB 47,4 GB	

Il faut rajouter un disque sur lequel on va backuper l'ancien disque pour récupérer notre data

Veeam Backup and Replication		×
System volumes cannot be restored to the original location on a live system. Do you want to r	estore them to a	different disk?
	Yes	No

Il faut choisir le second disque

	Map volumes fro object and select hardware RAID co	m the backup to available ing a required operation ontroller.	e disks. You can mana from the shortcut m	ge disk layout, volumes or unallocated space by right-clicking the corresponding enu. If you don't see some of your disks, you may need to load a driver for your	
	Disks:			1	
r	Disk 0 48 GB Basic	Récupération 450 MB NTFS Healthy (Recovery	99 MB Healthy (EFI parti	(C:) 47,4 GB NTFS Healthy (Boot, Primary Partition, PageFile)	
	Disk 1 50 GB Basic	backup (E:) 49,9 GB NTFS Healthy (Primary P	artition)		

	Disk 1				
50 G	βB	Récupératio		(C:)	
E	Apply Bac	kup Layout	9 MB	47,4 GB NTFS	2 GB
	Apply Disk	Layout)	Disk 0	Boot, Primary Partition, Pagerile)	Unallocated
	Erase				

Ensuite next

isk mapping:				
Volume	Layout	Туре	Capacity	Restore layout
	Simple	Basic Basic	450 MB 99 MB 47,4 GB	Automatic Automatic Automatic
s baar diah mampian adar ara bar	in al (fer a		ant d	den sine dielen en er

Volum	e Res	tore
-------	-------	------

X

Secure Restore Scan the selected backup for malware, such as computer viruses or ransomware, prior to performing the restore. This requires a compatible antivirus installed on the mount server specified for the corresponding backup repository.

Backup	Content scan
Danta an Datint	Scan the restore point with an antivirus engine
Kestore Point	Scan the restore point with the following YARA rule:
Disk Mapping	~
Secure Restore	Copy YARA rules location to clipboard
Rearon	Scan options:
Neason	Disk recovery will be aborted if malware is found
Summary	Continue scanning all remaining files after the first occurrence
	< Previous Next > Finish Cancel

Volume Restore		×
Summary Please review the rest	ore settings before continuing. The restore process will begin after you click Finish.	
Backup Restore Point Disk Mapping Secure Restore Reason Summary	Summary: Source computer name: 192.168.71.123 Target computer name: CLI-VEEAM-01.veeam-lab.fr Restore point: 25/01/2024 11:39 Volumes to restore: Récupération; EFI system partition; C:\	
	< Previous Next > Finish Cancel	

Lations Details			Online Assist
Home	Q Type in an object na	ame to search for 🔀	
 ▲ Jobs ↓ Backup ▲ Backups 	Job Name	Session Type Status Start Time ↓ VFFAM Windows Valu Working 25/01/2024 12:08 Restore Session 25/01/2024 12:08 1000000000000000000000000000000000000	×
Losk Last 24 Hours Running (1) Success		Name: EndpointRestore CLI-VEEAM-01 Status: In progress Restore type: Volume Restore Start time: 25/01/2024 12:08:41 Initiated by: VEEAM-LAB\Administrateur Can	cel restore task
		Reason Parameters Log Message I Starting restore job	Duration
A Home			
Inventory			
Call Backup Infrastructure			
Storage Infrastructure			
Tape Infrastructure			Close

Restore Session

Name: EndpointR Restore type: Volume Res Initiated by: VEEAM-LA	e store CLI-VEEAM-01 store B\Administrateur	Status: Start time: End time:	Success 25/01/2024 12:08:41 25/01/2024 12:12:47	
Reason Parameters Log				
Message				Duration
Starting restore job				
Coading backup files				
Restore process started	1 at 25/01/2024 12:09:12			
Required backup infra Usedation disk section	structure resources have t	been assigned		0.00.20
Opdating disk partition	structure	1	ID (= (1009(-1)	0:00:28
Restoring Recuperatio	n (450,0 MB): 450,0 MB re	stored at 100 N	1B/s (100% done)	0:00:03
Restoring EFI system p	artition (99,0 MB): 99,0 M	B restored at 8	3 MB/s (100% done)	0:00:01
Restoring (C:) (47,4 GB): 47,4 GB restored at 421	MB/s (100% do	one)	0:01:55
Restore process finishe	ed at 25/01/2024 12:11:51			
V Restore completed				
				Close

Voila on voit le disque E qui comporte le backup du disque C

 \times

🛲 🛃 📙 🖛		Outils de lecteur	Disque local (E:)		—	
Fichier Accueil Par	tage Affichage	Gestion				~
$\leftrightarrow \rightarrow \cdot \uparrow \blacksquare \cdot \Box$	isque local (E:)			5 V	Rechercher dans : Disqu	ue loca 🔎
	Nom	^	Modifié le	Туре	Taille	
Bureau #	PerfLogs	(x86)	16/07/2016 15:23 25/01/2024 09:59	Dossier de fichiers		
Téléchargement: 🖈 付 Documents 🖈	Programmes Utilisateurs	()	25/01/2024 10:21 24/01/2024 17:17	Dossier de fichiers Dossier de fichiers		
📰 Images 🕺	Windows		25/01/2024 09:58 25/01/2024 11:35	Dossier de fichiers Fichier	0 Ko	
> 💻 Ce PC	boucle_fichie	r	25/01/2024 11:37 25/01/2024 11:39	Script Windows P Fichier	1 Ko 0 Ko	
> 👝 Disque local (E:)	random+1		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
> 💣 Réseau	random+3		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
	random+5		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
	random+7		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
	random+9		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
	random+11		25/01/2024 11:39 25/01/2024 11:39	Fichier Fichier	0 Ko 0 Ko	
	random+13		25/01/2024 11:39	Fichier	0 Ko	

Backup via agent et workstation

On peut aussi faire un backup via l'agent veeam qui s'installe automatiquement sur les machines que nous aurons spécialisées tant que nous mettons le bon credential

Pour effectuer cela mieux vaut avoir que les machines soient dans le même domaine etc.

Prévoir les taches de backup vers 12h00 et en mentionnant bien aux users de garder leurs pcs allumés et si télétravail garder vpn allumé.

Mieux vaut fonctionner avec le fqdn des machines et non les IP car avec l'active directory et le dns dynamique tout est automatiquement mis à jour au niveau des enregistrements « A »



C'est cette machine que l'on doit ajouter.





Backup-Workstation-AD		
Description:		
Created by VEEAM-LAB\A	dministrateur at 30/01/2024 15:05.	

New Agent Backup Job

Computers

Select protection groups or individual machines to back up. Protection groups provide a dynamic selection scope that automatically updates the list of protected machines as new ones are discovered.

Job Mode	Protected computers:		
Name	Name	Туре	Add
Computers			nemore
Backup Mode			
Destination			
Local Storage			♠ Up
Schedule			↓ Down

Add Computer	\times
Host name or IP address:	
DESKTOP-RFK1I6C.veeam-lab.fr	
Credentials:	
👫 veeam-lab.fr\Administrateur (veeam-lab.fr\Administra 🗸 🛛 🗛 🗛 🗛 🗛 🗛 🗛 🗛 🗛	
Manage accounts	
OK Cancel	

New Agent Backup Job		\times
Backup Mode Choose what data you	want to back up from selected computers.	
Job Mode Name Computers	 Entire computer Bty up entire computer image for fast recovery on any level. Deleted, temporary and page files are automatically excluded from the image to reduce the backup size. Include external USB drives 	
Backup Mode Destination	O Volume level backup Back up images of specified volumes, for example only data volumes. Deleted, temporary and page file are automatically excluded from the image to reduce the backup size.	5
Local Storage Schedule	 File level backup (slower) Back up selected files and directories only. This mode still produces an image-based backup, but only with protected file system objects included in the image. 	
Summary		
	< Previous Next > Finish Cancel	

Comme c'est des hosts à la data incertaine je choisis de backup le pc entièrement.



New Agent Backup Job		×
Backup Server Specify Veeam Backup	& Replication management server connection parameters.	
Job Mode	DNS name or external IP address:	
Name	srv-veeam.veeam-lab.fr The specified DNS name must resolve to the external IP address of your backup server, as remote backup agents need to be able to establish network connection to this endpoint.	
Backup Mode		
Destination		
Backup Server		
Storage		

Ensuite tout dépendra de notre manière de faire les choses est ce que le serveur veeam possède une adresse IP publique à lui seul ou non ?

Mon approche sera un serveur dans l'infra et backup pendant pause déjeuner et ceux en TT devront laisser leur vpn actif vu que c'est de l'incremental rien de bien lourd sera backuper

New	Agent	Back	up J	lob

Specify a backup repos	sitory to store the backup files produced by the backup job and customize advanced job settings if required.
Job Mode	Backup repository:
Name	Disque X backup (Created by VEEAM-LAB\Administrateur at 25/01/2024 09:48.)
Computers	Keep backups for: 7 🚖 days (excluding days with no backup)
Backup Mode	Keep certain full backups longer for archival purposes
Destination	GFS retention policy is not configured
Backup Server	Configure secondary destinations for this job
Storage	least one copy of your backups to a different storage device that is located off-site.
Backup Cache	
Schedule	
Summary	
	Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings.
	< Previous Next > Finish Cancel

Je n'utiliserai pas de backup cache

×

New	Agen	t Bac	kun	loh -
140.00	~ycii		nup.	00

Schedule Specify the scheduling	options. If you do not se	et the schedule, the job	will need to be controlled m	anually.	
Job Mode	Periodically We will wake your	computers from sleep t	o take a backup unless the o	connected standby po	wer model is
Computers	Daily at	22:00	Everyday	✓	Days
Backup Mode	If computer is pow	vered off at this time	Skip backup	\sim	
Destination	Once backup is tal	ken, computer should	Keep running	\sim	
Backup Server	Lock	its			
Storage	Log off				
Backup Cache	When backup	target is connected vable storage once back	up is completed (ransomwa	re protection)	
Schedule	Back up no more o	often than every 2	hours	· · ·	
Summary					

On peut sois faire de manière périodique ou à certains évènements

Pour essayer je vais activer lorsque la backup target est connectée

Destination	Once backup is taken, computer should Keep running At the following events
Backup Server	
Storage	Log off
Backup Cache	When backup target is connected Eject removable storage once backup is completed (ransomware protection)
Schedule	Back up no more often than every 2 💂 hours
Summary	

Voila ensuite l backup est crée

Q Type in an object name	to search for			×	
Name 1	Туре		Objects	Status	Last
Backup-Workstation	Windows Age	ent Policy	1	Enabled	3 mi
读 Test-Backup-WIN01	Window S	Apply confi Start Active full Stop Statistics Report Disable Clone Delete	guration	Stopped	17 h
	漆	Edit			

Ensuite on voit le job qui s'est effectué pour notre hôte précisément

Q. Type in an object name to search	h for	×			
Job Name Backup-Workstation-AD - DE Backup-Workstation-AD	Session Type Windows Agent Windows Agent	Status Success Success	Start Time ↓ 30/01/2024 15:25 30/01/2024 15:25	End Time 30/01/2024 15:33 30/01/2024 15:25	

Sur le client windows on peut voir qu'automatiquement ce sont installés différents outils veeam.



Pour le déploiement il suffit juste d'ajouter le pc dan un job ou groupe de protection et le serveur veeam s'occupera d'installer le client veeam for windows.

Restauration d'une workstation windows

Il faut se rendre ici



Dans le cas ou nous souhaitons restaurer un fichier

J'ai créer un fichier test qui est présent dans le backup à la racine du disque C je l'ai ensuite supprimé du pc.

Pour lancer la restauration des fichiers voici la procédure à suivre

Restore from Veeam Agent backup

Select the type of restore you want to perform.



Entire machine restore

Restores backup as a virtual or cloud machine.



Restores the content of individual disks and volumes.



(V)

Guest files restore

Restores individual guest files from an image-level backup.

Application items restore

Restores individual application items from an image-level backup.



Database restore

Restores databases to a point in time back to the original or to a different server.



Guest Files

Select the operating system of the machine you're restoring from.

2



Microsoft Windows

Restores guest files from Veeam Agent backup of a Microsoft Windows-based machine.



Linux and other

Restores guest files from Veeam Agent backup of a Linux, Micro Focus OES (Novell), Solaris, Unix, BSD or MacOS based machine.

×

Job name	Last restore point	Objects	Restore points
 Backup-Workstation-AD 	30/01/2024 16:04:46	1	
DESKTOP-RFK1I6C.veeam-lab.fr	less than a day ago (1		2
Job-Workstation	30/01/2024 14:19:48	1	
Test-Backup-WIN01	29/01/2024 22:00:36	1	

Je choisis mon hote avec son backup

Je choisis le plus récent

VM name: VM size: Available re	DESKTOP-RFK116C.veeam-lab. 20,3 GB estore points:	fr Original host:	srv-veeam.veeam-lab.fr
		Tune	Backup
Created		Type	Dackup
Created	an a day ago (16:05 mardi 30/01	Increment	Backup-Workstation-AD

Ensuite cliquer sur « Browse »

DESKTOP-RFK1I6C.veeam-lab.fr	Q Type in an object name to sea	arch for	63			
p === E:∖	Name	Туре	Size	Creation Date	Modified Date	Item State
	SRecycle.Bin	Folder		07/12/2019 10:14	30/01/2024 12:18	
	📒 Documents and Settings	Folder		25/01/2024 16:36	25/01/2024 16:36	
	🧰 PerfLogs	Folder		07/12/2019 10:14	07/12/2019 10:14	
	🧾 Program Files	Folder		07/12/2019 10:14	30/01/2024 14:15	
	Program Files (x86)	Folder		07/12/2019 10:14	30/01/2024 14:13	
	🧰 ProgramData	Folder		07/12/2019 10:14	30/01/2024 14:11	
	ecovery Recovery	Folder		25/01/2024 16:37	25/01/2024 16:37	
	🣁 System Volume Information	Folder		25/01/2024 16:32	30/01/2024 15:29	
	🧰 Users	Folder		07/12/2019 10:03	30/01/2024 12:17	
	i Windows	Folder		07/12/2019 10:03	30/01/2024 14:34	
	DumpStack.log.tmp	TMP File	8,0 KB	25/01/2024 16:32	30/01/2024 12:17	
	TEST.txt	TXT File	0,0 B	30/01/2024 16:04	30/01/2024 16:04	

Le fichier que je souhaite restaurer est ici

Action Comp DESKTOP-RFK116C.veeam-lab.fr	pare		2			
▷ 📻 C:\	V Type in an object name to sed	arch for	-0			
▷ m E:\	Name	Туре	Size	Creation Date	Modified Date	Item State
	📁 \$Recycle.Bin	Folder		07/12/2019 10:14	30/01/2024 12:18	
	🗾 Documents and Settings	Folder		25/01/2024 16:36	25/01/2024 16:36	
	i PerfLogs	Folder		07/12/2019 10:14	07/12/2019 10:14	
	🧾 Program Files	Folder		07/12/2019 10:14	30/01/2024 14:15	
	Program Files (x86)	Folder		07/12/2019 10:14	30/01/2024 14:13	
	🣁 ProgramData	Folder		07/12/2019 10:14	30/01/2024 14:11	
	ecovery	Folder		25/01/2024 16:37	25/01/2024 16:37	
	System Volume Information	Folder		25/01/2024 16:32	30/01/2024 15:29	
	🧾 Users	Folder		07/12/2019 10:03	30/01/2024 12:17	
	i Windows	Folder		07/12/2019 10:03	30/01/2024 14:34	
	DumpStack.log.tmp	TMP File	8,0 KB	25/01/2024 16:32	30/01/2024 12:17	
	TEST.txt	TXT File	0,0 B	30/01/2024 16:04	30/01/2024 16:04	

Je le sélectionne ce qui correspond à ma situation



Le transfert ce lance

▲ Starting		
Time elapsed: calculating	Transferred: 0,0 B	Percent: 0%
Time remaining: calculating	Transfer rate: calculating	Remaining: calculatin

Si tout fonctionne correctement on le verra à la fin dans Success

Restoring files to DESKTOP-RFK1l6C.veeam-lab.fr		
Restore stopped		
	Restore completed successfully	
Time elapsed: 00:00:03	Transferred: 0,0 B	Success: 1 🥝
Time remaining: estimating	Transfer rate: estimating	Errors: 0 😢
Show Details		Close

Et voila le fichier supprimé est de retour

1 📥 > Ce	PC > Disque local (C:)	~	ē		م
	Nom	Modifié le		Туре	Taille
pide	PerfLogs	07/12/2019 10:14		Dossier de fichiers	
A	Programmes	30/01/2024 14:15		Dossier de fichiers	
argements 🖈	Programmes (x86)	30/01/2024 14:13		Dossier de fichiers	
ients 🖈	Utilisateurs	30/01/2024 12:17		Dossier de fichiers	
; Я	Windows	30/01/2024 16:52		Dossier de fichiers	
Je	TEST	30/01/2024 16:04		Document texte	0 Ko

Backup controleur de domaine + objets AD

Il faut créer un job et backuper le controleur de domaine pour cela

C'est une vm sur vmware pas besoin de repreciser comment connecter un vmware sur veeam c'est comme hyper-v

Création du job



New Backup Job	×
Type in a name and do	escription for this backup job.
Name	Name:
Matural Machinese	Backup-vm-ad
Virtual Machines	Description:
Storage	Backup du controleur de domaine
Guest Processing	
Schedule	
Summary	
Select objects:	C2 E
4 (Hosts and Clus	sters
A E 192.168./1	
SRV-W	e vCenter Server
WIN10	-VEFAM-01
WIN10	-VFFAM-02
Window	ws SRV 2016 - TEST

Ensuite j'ajoute

New Backup Job

Storage Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by vm this job and customize advanced job settings if required. 2 Backup proxy: Name Automatic selection Choose Virtual Machines Backup repository: Storage Disque X backup (Created by VEEAM-LAB\Administrateur at 25/01/2024 09:48.) × 460 GB free of 499 GB Map backup Guest Processing Retention policy: 7 C days × 0 Schedule Keep certain full backups longer for archival purposes Summary GFS retention policy is not configured 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 Advanced... size, notification settings, automated post-job activity and other settings. < Previous Next > Cancel



X

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	Run the job automatically	/					
Virtual Machiner	Daily at this time:	22:00	\$	Everyday		~	Days
Virtual Machines	O Monthly at this time:	22:00	0	Fourth 🗸	Saturday	\sim	Months
Storage	O Periodically every:	1	~	Hours		~	Schedule
Guest Processing	O After this job:	Backup VM	WIN	V-Cliente (Create	ed by VEEAM-LAI	B\Administ	trateur at (🗸
Schedule	Automatic retry						
Summan	Retry failed items pro	cessing:	3	0 times			
Summary	Wait before each retry attempt for:		10	10 🗘 minutes			
	Backup window Terminate the job out Long running or accie on your production ir	tside of the all dentally starte nfrastructure o	owe d jo luri	ed backup windo obs will be termin ng busy hours.	ow nated to prevent	impact	Window
			< Pr	revious A	spply Fi	inish	Cancel

Le job s'exécutera toute les 22h

Ensuite je run le job lorsque j'applique sur finish

Name	Summary:
	Configuration has been successfully saved.
Virtual Machines	Name: Backup-vm-ad
Storage	Type: VMware Backup
Guest Processing	SRV-VBR-LAB-01 (192.168.71.106)
Schedule	PowerShell cmdlet for starting the job: Get-VBRJob -Name "Backup-vm-ad" Start-VBRJob
Summary	
	✓ Run the job when I click Finish

Ensuite il faut aller dans disque et clique droit sur le disque de l'AD qu'on vient de backup

Instant Instant Disk Entire Virtual Export Pu Recovery Recovery VM Disks Disks D	blish VM Guest Application isks Files Files VI	Amazon Microsoft Goog EC2 Azure laas CE	le Move Copy Backup Backup	Export Scan Delete Backup Backup from Dis	Entire VM Restore ANV Option Assistant
Restore		Restore to Cloud		Actions	Restore to AHV Online Assistant
Home	Q Type in an object name to	search for	X		
4 🐘 Jobs	Job Name 🕇	Cr	eation Time	Restore Points	Repository
All Backup	Backup-AD	07	7/02/2024 17:29		NAS-01
简 Replication	SRV-VBR-LAB-01	07	7/02/2024 22:04		
A Backups					
- Disk					
Replicas					
Ready					
▲ 🗟 Last 24 Hours					
Success					
🕅 Warning					



Microsoft Active Directory Object Restore

4	
1	Q

Restore Point Select the restore point to restore from.

Restore Point Reason	VM name: SRV-VBR-LAB-01 VM size: 600 GB Available restore points:	Original ho	st: 192.168.71.106
Summary	Created	Туре	Backup
	🕒 less than a day ago (22:04 mercredi 07	Increment	Backup-AD
	Iess than a day ago (17:30 mercredi 07	Full	Backup-AD

Ensuite il faut mettre une raison

Microsoft Active Directory Object Restore



Summary Review the restore settings, and click Browse to exit the wizard and open Veeam Explorer for Active Directory, where you will select individual objects to restore.

Restore Point	Summary:
Reason	VM name: SRV-VBR-LAB-01
Summary	Current: SRV-VBR-LAB-01 less than a day ago (22:04 mercredi 07/02/2024)
	< Previous Next > Browse Cancel

×

J'avais créé 2 users Adel et Sadek je les ai supprimés je vais voir si je peux backuper les deux



■ Home Objects					
Restore Objects • Restore	ith Show Changed Compare Object n Objects Only Attributes Compare Search				
Active Directory Databases	Users		9		
A = Active Directory	🗅 Name	Туре	Item S ^		
A veeam-lab fr	adel adel	user			
Users and Computers	Administrateur	user			
Computers	Administrateurs clés	📩 Administrateurs clés group			
Domain Controlle	Administrateurs clés Enterprise	group			
EoreignSecurityP	Administrateurs de l'entreprise	group			
Kevs	Administrateurs du schéma	group			
Managed Service	Admins du domaine	group			
Program Data	A Contrôleurs de domaine	group			
	Contrôleurs de domaine clonables	group			
Group Policy Objects	Contrôleurs de domaine d'entreprise en lecture seule	group			
= otoup roney objects	Contrôleurs de domaine en lecture seule	group			
	2 DefaultAccount	user			
	A DnsAdmins	group	~		
< III >	<		>		

Voilà ici je peux sélectionner l'object et cliquer sur restaurer l'objet



	Veeam Explorer for Microsoft Active Dire	ctory X
Restore summary 1 object restored. Restore succeeded.		
Name	Result	Path
🚨 adel	Successfully restored	cn=adel,cn=Users,dc=veeam-lab,dc=fr
🖌 Errors 🖌 Warnings 🗸 Succe	55	
See less		ОК

Voilà l'objet est restauré

C'est une restauration instantanée, si je lance un get-aduser je devrai voir l'user restaurer

On le voit bien directement

Veeam backup manager

C'est une solution qui permet de gerer plusieurs serveurs veeam via un seul serveur et une interface web

Une fois l'installation effectué il faut acceder à localhost :9443

÷	C 😣 Non sécurisé	https://localhost:9443/	A	☆ O	לַ≦ (টি প	s 📀	
	Tableau de bord	D A		l 🗅	0		٩	WIN-57PAG9S53
4	Your trial license will expire on a	23/02/2024. Don't wait! Pu	rchase a production license today. I	t's easy - simply sub	mit a sales in	quiry on ou	ır websit	te at https://www.
	Dernières 24 heures	7 derniers jours						
Ι	Résumé		Données image		De	rnières	24 h	eures
	Serveurs de sauvegarde	0	Vitesse de traitement	0 KB/s	۱ ۱	otal des e	exécutio	ons
	Tâches	0	Taille de la source	0 B	0	uccès		
	Machines	0	Sauvegardes complètes	0 B	A A	vertissen	nent	
3	Partage de fichiers	0	Points de restauration	0 B	3 E	rreur		
Γ	État							
1	Sauvegardes	🛇 ОК						
	Serveurs de sauvegarde	🔺 Avertissement						
	Serveur de gestion	OK						
	Licence	Avertissement						
	Serveurs de sauve	garde						Þ

J'ai été automatiquement connecté

Il faut se rendre ici



Ajout d'un serveur de sauvegarde

\leftarrow	C 🛛 Non sécu	irisé https ://localhost:	9443/#!configuration/b	ackup_servers	\bigcirc A^{h}	☆ CD	€ @	~~ ···	•
				a 🖌			-57PAG955384\Ad	ministrateur 🗸	(?
¢	Sortir de la configuration	Commencer à collecter	📑 Ajouter 🧷 Mo	difier 🗙 Supprime	er 🔛 Planifie	la tâche 📔 🏦	Rapport d'audit	To Mettre	à jour k
阀	Serveurs de sauvegarde	Nom	† Connexion	Con	struire Descr	iption du serveur			
Ø	vCenter Servers								
0	Sessions								
*	Rôles								
*	Paramètres								- 1
ģ	Licence								- 1
*	Notifications								- 1
0	À propos								- 1

Il faut mettre l'user admin du domaine

Paramètres du serveur de sauvegarde	×
Nom DNS ou adresse IP du serveur Veeam Backup:	
192.168.71.102	
Description du serveur:	
Nom d'utilisateur:	
veeam-lab.fr\administrateur	
Mot de passe:	
Port:	
9392	
Certificate port:	
9405	
OK Annul	er

État			×
?	Trust a server with the certificate thumbprint "F0549A9B12D43B206287B1862907755E0FCBF37C"?		
		Oui	Non

	8		虐	E	••		Ľ	Ŋ	₽	WIN-57PAG955384VAdministrateur 🗸 🤇 🤅
¢) Sortir de	e la configura	ition	Commence	r à collecter	📑 Ajo	outer 🧷	Modifier	🗙 Supprimer	🃰 Planifie la tâche 🛛 🖹 Rapport d'audit 🛛 🕎 Mettre à jour le
阀	Serveurs d	le sauvegarde	e <	Nom		† c	Connexion		Construi	ire Description du serveur
Ø	vCenter Se	ervers		192.168.71.1	02	<	certificate-bas	ed authentica.	. 12.1.1.	56
Ŀ	Sessions									

Monitoring des backups

Il faut se rendre dans « Taches »

Tableau de bord Rappo	rts Tâches Politic	ques Données non stru	ucturées Machines	Fichiers C	Vbjets Requêtes	WIN-57PAG955384VAdmi	inistrateur v {õ} Configuration ?
Serveur de sauvegarde: Tous les	Serveurs	✓ Y 0p	tions de filtrage (All)				
Recherche par nom de Job	Q Départ	🔳 Arrêter 📿 Rées	sayez 撤 Tàche 🗸				🗱 Exporter 🛛 🐧 Actualiser
Nom	Туре	Plateforme	Serveur de sauve	Etat	Dernière exéc.	. ↓ Prochaine exécu	Description
Replication Job 1	Réplique	VMware vSphere	192.168.71.102	C Echec	ll y a 13 heures	09/02/2024 22:00:	Created by VEEAM-LAB\Administrateur at 0
Backup-AD	Sauvegarde	VMware vSphere	192.168.71.102	C Echec	Il y a 13 heures	09/02/2024 22:00:	Created by VEEAM-LAB'Administrateur at 0

Ensuite il faut appuyer sur « echec » pour voir les détails

Session 08/02/2024 22	33:09 × Session 08/02/2024	22:33:32 ×			
Replication Job 1 🔞 Dé	tails				
Machines traitées : 1 sur 1					
Erreurs: 1	Espace total: 0	Volume traité: 0			
Avertissements: 0	Vitesse de traitement: 0	Temps total: 42 seconds			🖪 Exporter 🛛 🗞 Actualiser
Objet	Heure de début	Terminé à	Etat	Taux de performance	Données transférées
Windows SRV 2016 - TEST	08/02/2024 22:33:41	08/02/2024 22:34:05	C Echec	0 bytes/s	0

Et je peux voir les machines backupé

_			2							
l	Tableau de bord	Rapports	Tâches	Politiques	Données non structurées	Machines F	ichiers C	bjets Requêtes	WIN-57PAG955384\Administrated	ur v (j) Configuration (?)
9	erveur de sauvegarde:	192.168.71.1	02		~					
R	echerche par nom de ma	achine (۵.	Restauration inst	tantanée 🛛 🖟 Restauration c	complète de la mai	chine virtuelle	Autres actio	ons 🗸 🚯 Historique	🗱 Exporter 🛛 🐧 Actualiser
1	Machine		† Ser	veur de sauvega	rde Nom de la tâche	Points d	e restau	Emplacement	Chemin	Dernier succès
1	RV-VBR-LAB-01		192	2.168.71.102	Backup-AD		3 points	NAS-01	\\192.168.71.124\Backup\Backup-A	D II y a 19 heures
	Vindows SRV 2016 - TEST	Т	192	2.168.71.102	Replication Job 1		2 points	192.168.71.106	Windows SRV 2016 - TEST_replica	ll y a 1 jour

On peut aussi voir le tableau de bord



Pour accéder à la console d'administration depuis un autre PC il faut mettre un user admin du domaine

Non sécurisé https://192.168.71.141:9443/login.aspx#ld	ashboard/lastday
	Veeam Backup Enterprise Manager
	· · · · · · · · · · · · · · · · · · ·
	Se connecter
	veeam-lab\administrateur
	Rester connecté
	Se connecter

Recovery Media

Recovery media pour un serveur ou client physique

Inventory > Physical Infra > Click droit

Inventory	Q Type in an object name to see	arch	for	X				
Malware Detection Circle Virtual Infrastructure Circle Virtual Infrastructure Standalone Hosts D 192 168 71 106	Name CLI-VEEAM-01.veeam-lab.fr DESKTOP-RFK116C.veeam-la., FAS-SRV-INF-01.piste.fas CSV VEEAM DW.veeam-lb fi		P Address 192.168.71.123 192.168.71.125 192.168.1.10	Last Seen 1 day ago 1 day ago Online		Backup Agent Installed Installed Installed	Application Plu Not installed Not installed Not installed	OS Microsof Microsof Microsof
Physical Infrastructure	E SKY VEEAW PHT.Veeam ab.m	4	Rescan	Online		installed	Not installed	MICTOSO
Changed			Quick backup Add to backup j	job 🕨				
Unstructured Data			Agent	•	00	Create recovery me	dia	
 Last 24 Hours Success Warning 		1 1 1 1 1 1	Uninstall everyt	hing onfiguration	CBT	Install CBT driver Uninstall agent		
Failed		2	Details					
~								

×

Create	Ree	yery	Μ	ed	ia



Recovery Media Specify bare metal recovery media options.

Recovery Media	Available bootable media	types:		<u>(</u> 5)
Image Path	Name	Туре	Capacity	
	📼 Image	ISO image file		
Ready to Apply				
Progress				

On selectionne l'emplacement de l'iso

Create Recovery Media		×
Image Path Specify where to save	the created ISO file.	
Recovery Media	Specify local folder to create recovery media image in:	
Image Path	\Administrateur\Documents\VeeamRecoveryMedia_SRV-VEEAM-PHY_veeam-lab_fr.iso	Browse
Ready to Apply		
Progress		
	< Previous Next > Finish	Cancel

Ensuite Next

Create Red yery Media		×	
Progress Progress			
Recovery Media	Log:		-
	Message	Duration	
Image Path	Preparing Veeam Recovery Environment image	0:00:42	
Ready to Apply	Copying recovery media files to backup console	0:00:11	
incody to rippiy	Creating ISO image	0:00:04	
Progress	Recovery media has been created		

🔮 > Ce	PC > Documents	ٽ ~	Rechercher	dans : Documents 🌖	D
ła	NAS	✓ Mod	ifié le	Туре	Ta
Je A	VeeamRecoveryMedia_SRV-VEEAM-PHY_veeam-lab_fr	14/02	2/2024 16:47	Fichier d'image di	5
jement: 🖈					

Ensuite lorsqu'on boot il faut utiliser bare metal et saisir IP du serveur et choisir un point de restauration.

Veeam 365

Avec Veeam nous pouvons backuper un tenant 365 qui contient mail docuements sharepoint etc.

Même chose que veeam classique on telecharge l'iso



On exécute le setup




On accepte license

On spécifie le chemin de veeam pour l'installation





Ajouter une organisation



Ensuite on saisit ce que l'on veut protéger

elect organization deployment type:		
Microsoft 365		~
elect the services you want to protect:		
 Exchange Online 		
 SharePoint Online and OneDrive for Business 		
 Microsoft Teams 		

La procédure d'ajout est assez simple pas besoin de s'etaler dessus

J'ai rajouté un repository sur veeam 365 qui est un disque local, cette version de veeam ne supporte pas les partages nfs et smb

Ajout d'un backup

Pour ajouter un backup il faut suivre ces étapes



On peut sauvegarder toute l'organisation ou seulement quelques objets

Back up entire org Back up the follow	janization ving objects:			
Object 🕇	Туре	Process		Add
				Edit
				Remo



J'ai choisi de backup toute l'organisation

Specify backup proxy and re	pository			
, , , , , ,	, ,			
Backup proxy:				
SRV-VEEAM (Default backup pro	oxy)			~
Backup repository:				
Backup-local (Created by VEEA!	M-LAB\administrat	eur at 19/02/2024 1	6:10:49)	~

Select scheduling c	ptions	
✓ Run the job automat	ically	
 Daily at this time 	: 23:00 Cveryday	·
O Periodically ever	y: 5 minutes	Schedule
Wait before each ret	ry attempt for: 10 minutes	Window
When I click Create:		
Create a backup cop	y for this job	

Le backup est en cours

E Home View Jobs						
Start Stop Enable Disable	Edit Delete Backup Copy	lore				
Job Control	Manage Job Integ	ration				0
Organization	cgmediatr.onmicrosoft.com					~
En Operativet	Name 🕇	Job Type	Status	Details	L	.ast E
Organizations	Backup CGMEDIA	Backup	Running			
▲ Kast 24 hours						
Running (1)						
	<	***				>
	Status	Data		Summary		
	Session status: Running	Processing rate:	6.6 MB/s (134 items/s)	Duration: 0	0:46	
	Last backup: In progress.	Write rate:	12.5 MB/s	Transferred: 1	22.8 MB (2751 items processe	-d)
	Action				Duration	^
Organizations					Constion	
	Processing mailbox support	@cgmedia.fr			00:09	
Backup Infrastructure	Processing mailbox Discove	rySearchMailbox[D919BA05-4	6A6-415f-80AD-7E09334BB852)	Comediafr.onmicrosof	t	111
History	V Errors V Warnings V Su	uccess				~

Quelques heures plus tard



C'est parfait

Restauration

Il faut se rendre ici et sois on peut backuper à partir du dernier point de restauration ou choisir son point de restauration



Ensuite on choisit notre jour actuellement je n'ai qu'un point et c'est normal



Ensuite browse

Ensuite je regarde le fichier que je veux et je peux le restaurer

tig cgmedia ≣ T Home Files	fr.onmicrosoft.com as of less the	an a day ago (04:10 ma	ardi 20/02/2024) - Veeam E		-	×
Restore File File Files Restore File File File Restore File File	d History View					
Organizations	Search Files			۹	Files	~
Type in an object name Q	Name † Back to General	Size	Version		Modified	
Organizations	CertificateOfCompl	274.2 KB	1.0		12/10/202	.1 11:2
Cgmediafr.onmicrosof	CertificateOfCompl	274.4 KB	1.0		12/10/202	1 11:2
 GGMEDIA GMEDIA - RH GGneral General General Posts						
Direction DOCUMENTATIOI INDIISTREET	٢.					>

Pour restaurer des objets mieux vaut utiliser la basique authentification et non la modern qui comporte beaucoup de bugs

Par exemple restaurer contenue d'une ancienne boite vers une nouvelle





Mailbox:
sallevisio@cgmedia.fr
Specify target mailbox location:
Microsoft 365
On-premises Microsoft Exchange Server

Il faut un compte qui sois admin exchange 365 pour cette opération

D i ut ut		
Basic authenti	zation	
Specify user acc	ount to connect with:	
Use current	account (VEEAM-LAB\administrateur)	
Use the following	owing account:	
Username:	sallevisio@cgmedia.fr	
Password:	••••••	

Ensuite je peux choisir un folder ou l'original folder



Veeam Explorer for Microsoft Exchange

×



Restore summary: CGMEDIA-Huddle 265 items merged.



OK



C'est parfait on peut faire la même avec Teams etc.

Veeam Service provider console

C'est un centre de gestion qui va nous permettre de gérer les VBR des clients J'ai installé l'iso et lancer le setup.



Veeam Service Provider Console S	etup				×
License Agreements Read the license agreements and accept	t them to proceed.				c 3
Please view, print or save the documents By clicking "I Accept" button, I hereby a	s linked below. gree and consent to	o the terms of the fol	lowing license a	agreement	ts:
Veeam license agreement	View				
Licensing policy	View				
3rd party components	View				
Required software	View				
		< Back	I Accept	Cance	el



Ensuite on nous demande de mettre la licence

Requirement	Status	^
Microsoft IIS	😢 Failed	
Default Document Component	😢 Failed	
Directory Browsing Component	😢 Failed	
HTTP Errors Component	😢 Failed	
Static Content Component	😢 Failed	
ASP.NET 4.5 Component	😢 Failed	
.NET Extensibility 4.5 Component	😢 Failed	
WebSocket Protocol Component	😢 Failed	\checkmark

Il faut installer les prérequis

Il faut ensuite mettre un mdp pour l'accès au provider

🕄 Veeam Sen	rice Provider Console Setup	_		\times
Service A	count			
Specify the acc	ount for Veeam Service Provider Console services.			43
20	Type in the user name in the DOMAIN\USERNAME format. The sup account must have owner rights to the Veeam Service Provider Con	oplied user sole databas	se.	
Usemame:	VEEAM-LAB\administrateur ~	Browse		
Password:	••••••			
	c Back No	wt >	Care	
	< DOCK INC		Cano	

C Veeam Service Pro	vider Console Setup			-		\times
Security Certific Specify security certifica	tes for the Veeam Service Provider Cons	sole server and	l its web	site.	C	3
Server certificate:	Generate new self-signed certificate		~	View ce	rtificate	
Web site certificate:	Generate new self-signed certificate		\sim	View ce	rtificate	
		< Back	Next	>	Cancel	
C Veeam Service Prov	rider Console Setup			_		×
Infrastructure Si Choose Veeam infrastruc	ize ture size you are going to manage.				(3
Manualitation		11.000			1	
Note: Numbers	provided may vary depending on the d	eployment cor	vivis) nfiguratio	n and		
backup job sch	iedule.					
		< Back	Ne	d >	Cance	el



🕄 Veeam Servi 🖓 Provider Con	sole Setup - 🗆 🗙
сЗ	Completing Veeam Service Provider Console 8.0 Setup Wizard
AVAILABILITY for the Always-On Enterprise	Setup has finished installing Veeam Service Provider Console on your computer.
Veeam	Click Finish to exit the wizard.
	< Back Next > Finish

Ensuite on doit redémarrer le système



L'interface est https://localhost:1280



Si sa ne marche pas enlever « veeam-lab\ »

Nous voila ensuite sur l'interface de VSPC

Service Provid	der Console				Veeam-lab.fr Portal Admin	r\administrateur 🐱	Configuration
All Resellers/Companies	Summary			Product Update	es		i
All Locations	Active Alarms	Managem	nent Agents	Veeam Bac No info	ckup & Replication	O Veeam Cloud No info	l Connect
Monitoring Coverview Active Alarms	Warnings		\bigcirc	Veeam Age No info	ent	Veeam Backu 365 No Info	up for Microsoft
 RPO & SLA Resources & Billing 	1		Healthy	Veeam ON No info	E	Veeam Servic Up-to-date	e Provider Console
Analytics	Companies Health		Infrastructure Health				
TOPs Trends Clients Companies Resellers Discovery	Overview Managed Companies Companies Companies 1		Veeam Cloud Connect	Veeam Backup & Replication			
	Choose region with managed companies		Start using Veeam Cloud Connect		🔀 Start mar	니는 그	& Replication
		•	Veeam Backup for Microsoft 365	Ve	eam Agent	Tart managing Veeam	Agent

On peut déjà commencer à manager un vbr ou vbc ou vb365

Ajout d'un vbr sur le Service Provider

Il faut installer un agent sur le vbr depuis le vspc

Une fois installé nous pourrons simplement voir l'état du vbr non le piloter etc le pilotage se fait depuis le VCC que nous installerons juste après

Il faut se rendre dans discovery puis Download Management Agent



Download Management Agent for Windows								
Specify management agent settings								
Company:	My Company (local network, internal usage)	~						
Location:	Name	~						
Token expiry period:	12 🗘 Months 🗸 🚺							
Create Download Link								
	Download Cane	cel						

Ensuite l'agent s'installe sur notre pc



On l'exécute depuis la machine on fait que passer

Ensuite il faut le réouvrir car l'adresse dessus n'est pas la bonne

Veeam Applicat	Management Agent		
Veeam Mana	gement Agent Settings (My Compan	х д	~
Specify agent of Connect manage	connection settings ement agent to the backup portal	<i></i>	· · · · · · · · · · · · · · · · · · ·
Agent status:	Connected to srv-veeam:9999		
Backup portal c	onnection settings		
Backup portal:	srv-lab.pcs.local	Port: 9	9999
Tag:	Enter tag		
🛐 View securi	ty certificate		
Remote compu	ter discovery user account: 🗔 Not set		
		Apply	Close

Ensuite sur le vspc

Discovered C	omputers	Backup Agents	Backup Server	rs					
Computers	Rules								
Rule: All rules		✓ Hostname		۹	T Filter (None)				
Install Backup /	Agent 🕅 A	iuto Deployment: Off	Change Settings	법화 Instal	Backup Server 🛛 🛃 Manage	ment Agent 👻 🛛 🔶 Downk	ad Management Agent		🔁 Export to 🛩
Comp	Agent 🕅 A	Hostn Tag	Guest C	Connection St	Backup Server 🛛 🔀 Manager atus Deployment Status	ment Agent 👻 🛛 🔷 Downko	Deployment Progress	Management Agent Status	Management Agent Version
Comp	Agent 🖏 A Rule	Hostn Tag	Change Settings Guest C	전화 Install	Backup Server 🛛 🛃 Manage atus Deployment Status	ment Agent V 📀 Downlo	ad Management Agent Deployment Progress	Management Agent Status	Anagement Agent Version

On voit bien la machine windows qui héberge le vbr

Sur le tableau de bord



Si on part dans Backup Job voila ce que l'on peut voir

Computers	Virtual Machines								
Computer	Q	Policy or Job	٩	Backup Server	۹	Status: All 🥥 🛕	8 D T	Filter (None)	
🕑 Start 🔳 Stop	🕛 Enable 🕒 Dis	sable 🛛 🎼 Assign to C	ompany						🔁 Export to 🗸
Backup Status	Company	Backup Server	Job	Job Type	Job Mode	Processed Objects	Duration	Last Run	Operation Mode 🚥
Selected: 0 of 2									
📃 🥑 Success	My Company	SRV-VEEAM-PRO	SRV-FAS-01	Backup	Managed by bac	1 of 1 (100%)	14 minutes 47 se	13 hours ago	Server

C'est parfait on peut voir l'avancée des jobs etc les lancer et les stopper

VCC

En verité vcc est la plus pour service de cloud car on peut anoir une dizaine de repository (par ex 10 NAS) et n'allouer que 1 TO de quota à nos clients via des tenants il faudra juste ajouter un service provider au vbr et on pourra ajouter notre VCC comme repository l'avantage c'est que tout ce fait via le WAN plus besoin de tunnels VPN tout ce fait via port 6180

VCC est ce qui nous permettra de piloter ses vbr pour installer vcc c'est simple c'est l'installation d'un vbr + licence vcc (vspc)

Auparavant il faut avoir installer vspc

Une fois la licence mise et un redémarrage effectué un onglet « Cloud Connect » apparait sur le vbr (car vcc est un vbr avec une licence spécial)



On commence par la section manage certificat



Ensuite on choisit un nom

Un résumé et on valide

Ensuite il faut rajouter une cloud gateway il faut que sa soit un windows comme vcc et vspc sont sur le même serveur je choisis le serveur qui les heberge il faut au moins une cloud gateway

On choisit un port sur lequel les users vont communiquer avec notre gateway veeam nous facilite la tâche car c'est un seul port en TCP et UDP

New Cloud Gateway	×
Name Choose a Microsoft gateways for high av	Windows server to set up cloud gateway service on. We recommend that you set up multiple cloud railability and automatic load balancing.
Name	Choose server:
	WIN-IQ6Q9SEM4HS (Backup server) V Add New
Networking	Description:
Review	Created by WIN-IQ6Q9SEM4HS\Administrateur at 16/02/2024 14:37.
Apply	
Summary	
	External port: 6180 • TCP/UDP port for external connections. All traffic between you and your users will go through this port. Your users will need to specify this port when establishing the initial connection to your service.
	< Previous Next > Finish Cancel

Ensuite on met l'enregistrement dns sur lequel les vbr des clients vont taper

New Cloud Gateway Networking Specify how	this server is connected to the Internet.
Name Networking Review Apply Summary	 ● Located behind NAT or uses external DNS name (recommended) Type in the external DNS name. Port forwarding rule must be set up on the NAT to forward network traffic from the external port to the internal port specified below. DNS name: veeuw-vspc.pc.local Internal port: 6180 This server is connected directly to the Internet Select network adapter (NIC) connected to the internet: ✓ ▲ Direct connection mode cannot be used with IPv6 networking enabled.
	< Previous Next > Finish Cancel

Ensuite sa nous montre les composants qui vont être installés

On applique et le processus ce lance

ne		Denting	
	Message	Duration	
working	Starting infrastructure item update process	0:00:38	
	Creating temporary folder		
ew	Package VeeamGateSvc.msi has been uploaded	0:00:05	
	Installing package Cloud Gateway	0:00:08	
ly	Deleting temporary folder		
102.207	Registering client WIN-IQ6Q9SEM4HS for package Cloud Gateway		
imary	Oiscovering installed packages	0:00:20	
	All required packages have been successfully installed		
	Checking Cloud Gate service state		
	Creating configuration database records for Cloud Gateway		
	Restarting Cloud Gate service	0:00:04	
	Creating configuration database records for installed packages		
	Cloud Gateway created successfully		

J.≷ Summary:
WIN-IQ6Q9SEM4HS was successfully saved.
Hardware info:
Chassis type: Virtual (VMware)
Cores count: 2
Components:
Cloud Gateway using port 6168
Installer using port 6160
Mount Server using port 6170
Transport using port 6162
Veeam Agent for Linux Redistributable
Veeam Agent for Mac Redistributable
Veeam Agent for Microsoft Windows Redistributable
Veeam Agent for Unix Redistributable
Veeam Application Plug-ins Redistributable
Veeam Backup VSS Integration using port 6210
Veeam VSS Hardware Snapshot Provider using port 6211
vPower NFS using port 6161

Ajout de Tenant console VCC



N w Tenant			×
Specify tenant name,	password, assi	gned cloud resource types and optional contract expiration date.	
Tenant	Username:	adel	
Bandwidth	Password:	•••••	
Backup Resources	Description:	Gen Created by WIN-IQ6Q9SEM4HS\Administrateur at 16/02/2024 14:51.	erate new
Network Extension			
Apply	Assigned res	burces	
Summary	Backup	storage (cloud backup repository) ion resources (cloud host))	
	Automatic ex	piration	
	Contrac	t expires: Never C	alendar
		< Previous Next > Finish C	ancel

On met un maximum de tache en parallèle je laisse à 1

Je définis un endroit ou il y'aura les backup

Set Quota		×
Cloud repository name:		
Backup defaut test		
Specify a friendly repository name that will	be shown to the u	iser.
Backup repository:		
Default Backup Repository (Created by Ve	eam Backup)	~
52,9 GB free of 89,4 GB		
User quota:		
10 🔹 GB 🗸		
Enable WAN acceleration through the f	ollowing WAN ac	celerator:
		~
	ОК	Cancel

Je peux mettre une limite pour ce repository

Ensuite on a un résumé et on valide

Liaison VSPC / VCC

Pour piloter depuis l'interface web il faut lier les deux

Sur vspc on va dans la catégorie Cloud Connect Server et « New »

New Cloud Connect Server	×
Name	Name Specify Veeam Cloud Connect server address and type in a friendly name for the server.
Connection Account	DNS name or IP address of the server:
Service Account	veeam-vspc.pcs.local
Summary	Site name:
	PCS
	Description:
	Next Canrel

New Cloud Connect Server		×
Name	Connection Account	
Connection Account	Select an account with local administrator privilege: will be used to install the management agent. Use DOMAIN/USER format for domain accounts, or The specified account should have an access to the	s on the server you are adding. This account HOST\USER for local accounts. administrative share on the target machine.
Service Account		
Summary	Username: WIN-IQ6Q9SEM4HS\Administrateur	
Summary	Password: ·····	
		Back Next Cancel

New Cloud Connect Server	X
Name	Service Account
Connection Account	Specify user account that belongs to Veeam backup and operating system administrator groups. This user will be used to run management agent service. Use DOMAIN\USER format for domain accounts, or HOST\USER for local accounts.
Service Account	Run management agent service under:
Summary	Local system account The following user account:
	0
	Back Next Cancel

New Cloud Connect Server					×
Name	Summary				
Concertion Account	Review and copy data, a	and click Finish to exit the wizard.			
Connection Account	Name:	192.168.71.170			
Service Account	Site:	PCS			
-	Description:				
Summary	Connection account:	VIN-IQ6Q9SEM4HS\Administra	ateur		
	Scivice account	Local System decount			
			Back	Finish	Cancel

Ensuite l'agent s'installe

🕂 New 🖊 Edit	🗙 Remove 👻	🆞 Maintenance Mode 👻 🛛 🔏 Tenar	t Management in Cloud Co	onnect 👻 💧 Server Manager	ient 🗸			
Server	↑ Site	Server Version	Status	Available Updates	Tenant Management	Agent Version	Agent Deployment	000
WIN-IQ6Q95EM4H5	PCS	12.1.1.56	Healthy	🔮 Up-to-date	Disabled	Up-to-date (8.0.0.16877)	Success	

On peut activer le Tenant Management in cloud Connect

Si on regarde dans Companies on peut voir qu'il y'a une Company qui s'appel « Adel » c'est mon tenant

All Resellers/Companies	Company	Q Company type:	All 🌨 🐰 MEA status:	AL IN IN					
All Locations									
	🕂 New 🦯 Edit 🗙 R	emove 🖒 Enable 🖨 Disabl	e 🦞 Manage 🗸 🔮 MFA 🗸						n Export to 🗸
Monitoring	Company †	MFA Status	Administrators	Portal Users	Lease Expiration Date	State	Backup Policies	Country	030
Active Alarms	Selected: 0 of 1								
RPO & SLA	adel	Not enforced	4	0	Never	Active	0	Not set	
Resources & Billing									
Analytics									
Session States									
TOPs									
் Trends									
Clients									
Resellers									
Discovery									

Si on l'édite on peut choisir quels services leur actives ou non etc



Relier VBR au service provider

Une fois qu'on a mis en place VCC et VSPC et que nous les avons reliés ensemble on peut rajouter des vbr à notre brique

Sur le vbr de notre client il faut cliquer sur « Add provider » et on retrouvera ce fameux port 6180

Service Provider	×
Service Provide Type in DNS nan provider, add a d	r ne or IP address and a port number received from the service provider. If you are using more than one service ustom description to more easily distinguish between them.
Service Provider	DNS name or IP address: Port:
Credentials	192.168.71.170 6180 🔹
Apply	Created by VEEAM-LAB\administrateur at 16/02/2024 15:23.
Summary	
	\checkmark Allow this Veeam Backup & Replication installation to be managed by the service provider
	Select this check box if you have managed backup contract with the service provider you are adding, and want to allow it to manage your installation remotely.
	< Previous Next > Finish Cancel

Ensuite on accepte le certificat et on met nos credentials correcte

rvice Provider		Warning: Remote certificate name mismatch:	te chain error
edentials	21.8	Certificate: CN=Veeam Software Q=Veeam Software QU=Veeam Software	te chain eno
-		Thumbprint:	
ру		^	Verify
mmary			
		~	
		Add or select credentials issued to you by the service provider Credentials:	
		👫 Administrateur (Administrateur, last edited: less than a day ago) 💦 🗸	Add
		Manage accounts	

Etapes pour ajouter vbr à la console vscp :

- Installer l'agent
- Attribuer le vbr à une company (après l'avoir vu dans l'onglet découverte)
- Redémarrer l'agent
- Patienter 10m
- Vérifier credential de la company
- Ajouter un provider à notre vbr

Ajout d'un client et backup machines ou serveurs physique

Il faut d'abord ajouter une company

🛞 New Company						
Company Info	Company Info	name and contact information				
Company Type	Company name:	FAS				
User Info	Login alias:	fas				
Services	Tax ID:					
Billing	Title:	Mr				
Bandwidth	First name:	Fas				
Multi-Factor Authentication	Last name:	Fas				
Notifications	Email address:	veeam@premium-computer.fr				
	Telephone:					
Summary	Country:	France				
	State/Region:	· · · · · · · · · · · · · · · · · · ·				
	Veeam Tenant ID:					
	ZIP code:					
	Web site:					
	Additional notes:					

New Company					
Company Info	Сотрану Туре				
Company Type	Select type for the new company:				
User Info	This option is recommended if you don't have VMware Cloud Director and would like to use native functionality of the backup portal.				
Services	VMware Cloud Director This option requires integration between VMware Cloud Director and the backup portal, and allows selecting VCD resources for replication integration.				
Billing) yawa				
Bandwidth					

Company Info	User Info				
Company Type	Create the backup p	ortal user account and select a hostin	ng site for the company.		
User Info	Password:		۲		
Services	Confirm password:		۲		
Billing	Site:	PCS	~		
Bandwidth	Enable access to	Enable access to REST API of the backup portal			
Multi-Factor Authentication	Disable account automatically on 19/02/2024				
Notifications	Created by Premium with Veeam Service Provider Console at 19/02/2024 10:38				
Summary					

New Company	4		
Company Info Company Type User Info	Services Configure services that you want to provide to the company. Manage backup Backup agents management: Conte the possibility to collect data from company stantistice backup	Con Add Quota	Backup Resources × Select backup repository and assign cloud storage quota. + • Add
Billing Bandwidth Multi-Factor Authentication Notifications Summary	Backup servers management: Inable the possibility to collisin data and control remote backup resources: Could the possibility to collisin data and namage backup politic on a homest I O To be able to anging hotted backup servers to the com Secure resources: Backup resources: Ende che possibility to store backups in a cloud repository. Backup repository: Configure.	Backup repository: PC3N1192.168.71.138bckp-veam Cloud repository name: BACKUP, VERS_PCS Repository quota: 2 ↓ 18 ✓ Set unlimited quota VMsrkstations quota: 0 ↓ Servers quota: 0 ↓	• •
	Replication resources: Enable the provability to replicate VMIs to a cloud host. Microsoft 365 Microsoft 365 managed backup: Enable the possibility the preserv Microsoft 385 objects. Public cloud Public cloud	Of	Cancel Protect defined backup files for Protect defined backup files for Concel Cancel C

Pas de billing pour le moment ce n'est pas de mon ressort

Kew Company	/
Company Info	Bandwidth
Company Type	Specify maximum number of task slots available to this company and if desired, limit the incoming network traffic.
	Concurrent tasks
User Info	Max concurrent tasks: 1
Services	Each task slot allows processing of a single disk, so companies with one slot assigned will not be able to leverage parallel processing, or run multiple jobs concurrently. This setting applies to direct mode transfers only (WAN accelerators process disks sequentially).
Billing	Limit incoming network traffic to:
Bandwidth	1 🗘 MB/s 👻
Multi-Factor Authentication	Defines maximum incoming network traffic bandwidth that will be accepted from the company. Traffic from companies with more bandwidth will be throttled to the specified amount.
Natifications	Gateway pool
Notifications	Enabled option: Automatic selection Choose
Summary	Data transfer out
	Quota: Off 100 GB ¥
	Set data transfer out quota for Veeam Cloud Connect.

Ensuite pas de mfa pour le moment

Un summary et on valide

Ensuite on télécharge l'agent on le transfère

Veeam Manag	ement Agent Settings (FAS)		×			
Specify agent connect manage	onnection settings ement agent to the backup portal					
Agent status: (Connected					
Backup portal co	nnection settings					
Cloud gateway:	82.64.193.72	Port: 6180				
Tag:	FAS-SRV-PHY					
Security certifica	te 🛕 Not trusted					
Remote computer discovery user account: 🗔 Not set						
		Apply Close				

Voilà directement avec l'ip public

Ensuite je regarde sur mon interface vscp

Discovered Computers	Backup Ager	its								
Computers Rules										
Rule: All rules	✓ Hostna	ame	۹	Filter (None)						
関 Install Backup Agent 🗸	🗠 Auto Deploym	nent: On Change Settings) 문화 Inst	all Backup Server	agement Age	nt 🗸 🛛 <table-cell-rows> Download I</table-cell-rows>	Management Agent 🐱		7 Exp	ort to 🗸
Company	Rule	Hostname	Tag	Guest OS	Appli	Connection Status	Deployment Status	Scheduled Deployment	Deployment Progress	Ma 🚥
Selected: 0 of 1										
FAS FAS	External Disco	FAS-SRV-INF-01	FAS-SR	Microsoft Windows Ser	Applic	👃 Online		None	-	🕑 Heal

Voila c'est parfait

Ensuite je me connecte avec l'user du FAS

Veea	c am Service Pro	8 ovider Console	Adel
	Please log in		
	Fas\fas		
	Log in	Forgot password?	

J'installe un backup agent

Discovered	Computers	Backup	Agents				
Rule: All rules		~	Hostname		۹ т	Filter (None)	
Install Backur	Agent	Managemen	t Agent 🗸	Download	Management Agent		
			0		0 0		
✓ Comp	Rule	Hostn	Tag	Guest	Connection Status	Deployment Status	Schedule
Comp	Rule	Hostn	Tag	Guest	Connection Status	Deployment Status	Schedule

Install Backup Agent				×
This operation will attempt to in To start this operation, please spe	nstall and perform initial con cify local administration crede	nfiguration of Veeam backup entials to use.	agents	
Use guest OS credentials from: Account specified in the disco	overy rule or in the manageme	ent agent settings		
The following user account:	Click the "New" button	~	- New	
Backup policy to apply: Windows server - Entire compute	er 🗸	+ Create New 🧧 Show		
Enable read-only UI access for the	backup agent: 🚺 On			_
Set default settings for a Windows Target computers must b Sharing" and "Remote Sci	s backup agent: Configure The part of domain or admin share heduled Tasks Management (RPG	es must be remotely accessible a C)" rules must be open on the co	nd "File and Printer nputers firewall.	
			Apply Cancel	
				1
FAS External Disco	. FAS-SRV-INF-01 FAS-0	01 Microsoft Windows Ser Apj	olic 🕹 Online	۲

Ensuite si on repart dans backup job on voit que le job est lancé

Computers Vir	tual Machines Micros	oft 365 Objects						
Managed By Console	Managed By Backup Server							
Computer	Q Statu	is: All 🕑 🛕 😢	Filter (Net Content of Conte	one)				
🕥 Start 📕 Stop	🕂 Create Job 🛛 🙀 Backup	Agent UI 👻 Scheduling	; 🖒 Enable 😑 Disable	†∯ Settings 🔒	Download Logs			🔁 Export to 🛩
Company †	Computer	Tag	Operation Mode	Successful Jobs	Running Jobs	Backup Policy	UI Mode	Last Activity 🚥
Selected: 1 of 3								
FAS	FAS-SRV-INF-01	FAS-01	Server	0 of 1	0 of 1	Applying [Windows server	Read-only	

Activer la restauration de fichiers pour les agents

Dans vscp partir dans configuration ensuite sélectionner dans plugin library Veeam Agent



Ajout d'un bucket S3 sur VBR

On peut ajouter comme repository un bucket S3 en l'occurrence celui que j'ai actuellement c'est Leevia

C'est la même procédure que l'ajout d'un repository classique



¢	Select the type of object storage you want to use as a backup repository.
8	S3 Compatible Adds an on-premises system or a cloud object storage provider.
aws	Amazon S3 Adds Amazon cloud object storage. Amazon S3, Amazon S3 Glacier (including Deep Archive) and Amazon Snowball Edge are supported.
0	Google Cloud Storage Adds Google Cloud Storage. Standard, Nearline, and Coldline storage classes are supported.
٢	IBM Cloud Object Storage Adds IBM Cloud object storage. S3 compatible versions of both on-premises and IBM Cloud storage offerings are supported.
Δ	Microsoft Azure Storage Adds Microsoft Azure cloud object storage. Microsoft Azure Blob Storage, Microsoft Azure Archive Storage and Microsoft Azure Data Box are supported.
\$	Wasabi Cloud Storage Adds Wasabi cloud object storage.
	Activer Cańceldow
E	S3 Compatible Storage you want to use as a backup repository.
P	S3 Compatible Adds an S3-compatible object storage. We will automatically detect if the object storage system implements Smart Object Storage API.
	S3 Compatible with Data Archiving Adds an S3-compatible object storage system that implements the archiving extension of the Smart Object Storage API.

Hew Object Storage Repository

Type in a name and d	escription for this object storage repository.
Name	Name:
	Leevia-PCS
Account	Description:
Bucket	Created by SRV-VEEAM-PROD-\Administrateur at 20/02/2024 15:12.
Mount Server	
Review	
Apply	
Summary	
	Limit concurrent tasks to: 2 Use this setting to limit the maximum number of tasks that can be processed concurrently in cases when your object storage is overloaded or cannot keep up with the number of API requests issued by multiple object storage offload tasks.
	< Previous Next > Finish Cancel

New Object Storage Repository

Account Specify account to us	se for connecting to S3 compatible storage system.	
Name	Service point:	
	s3.leviia.com	
Account	Region:	
Bucket	us-east-1	
Mount Sonior	Credentials:	
Would Server	[™] Znly.OLLOA6QcQE74Wxi2 (last edited: less than a day ago) ∨	Add
Review	Manage cloud accounts	
Apply		
Summary		
	Connection mode:	
	Direct	Choose
	specify now object storage should be accessed and configure repository access control so backup agents.	ettings for
	< Previous Next > Finish	Cancel

 \times

 \times