

VEEAM



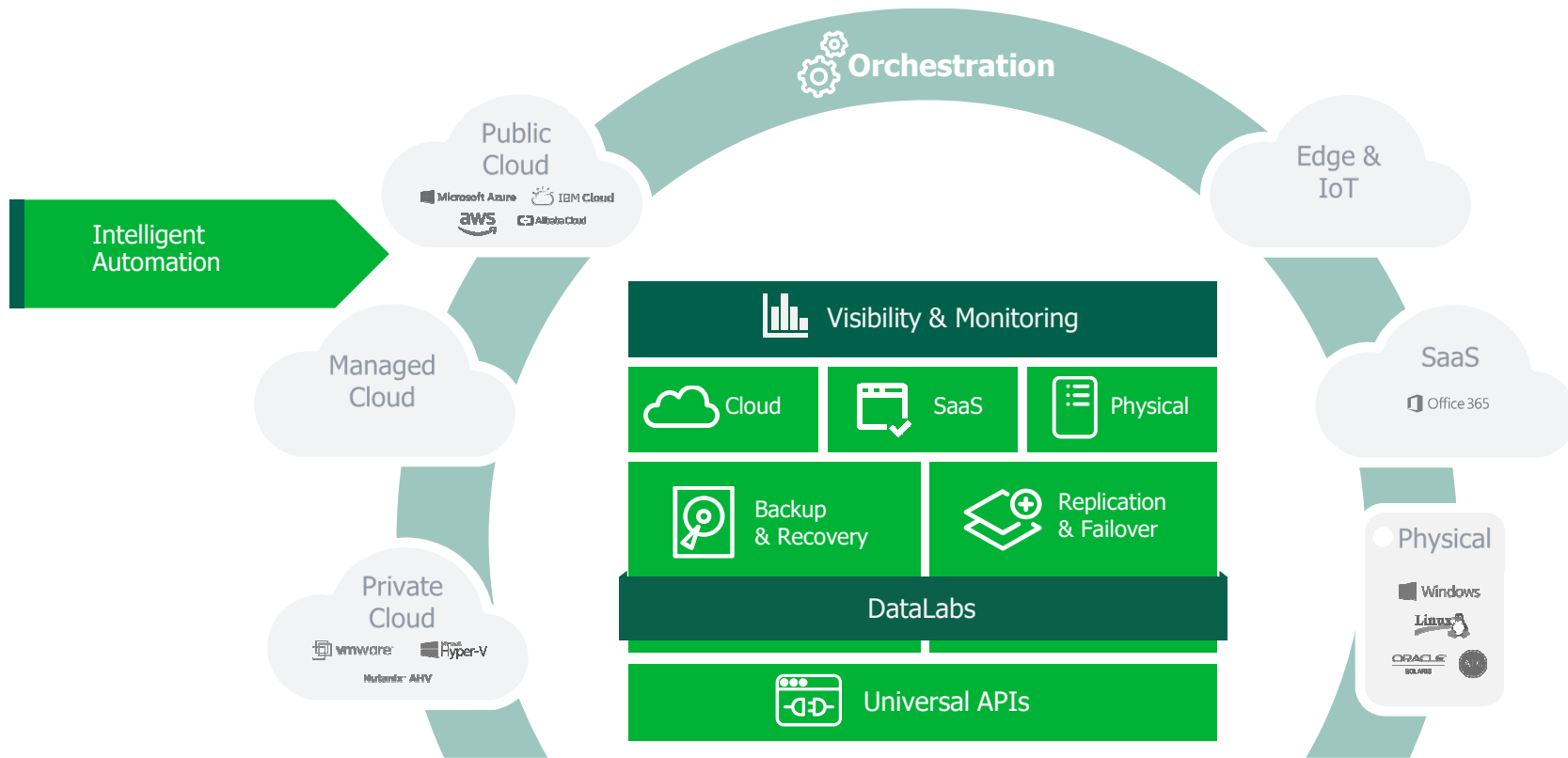
MICROSTORE OPEN DAY BUSINESS

Steve NOWAK
Territory Account Manager
steve.nowak@veeam.com

Jean Francois ALBERTINI
System Engineer
jfalbertini@veeam.com



Veeam Hyper-Availability Platform





Protection des workloads virtuels

Simple

Configuration et administration intuitive
Intégralement sans agent
Mises à jour en quelques minutes

Fiable

NPS = 73
Recommandation de 91% des clients
Surebackup

Agnostique

Windows ou Linux
Physique ou Virtuel
On Premise ou Cloud

Veeam Availability Suite

Scalable

Dimensionnement simple
Equilibrage de charge automatique

Backup Autonome

pas de catalogue
Infra Veeam non critique

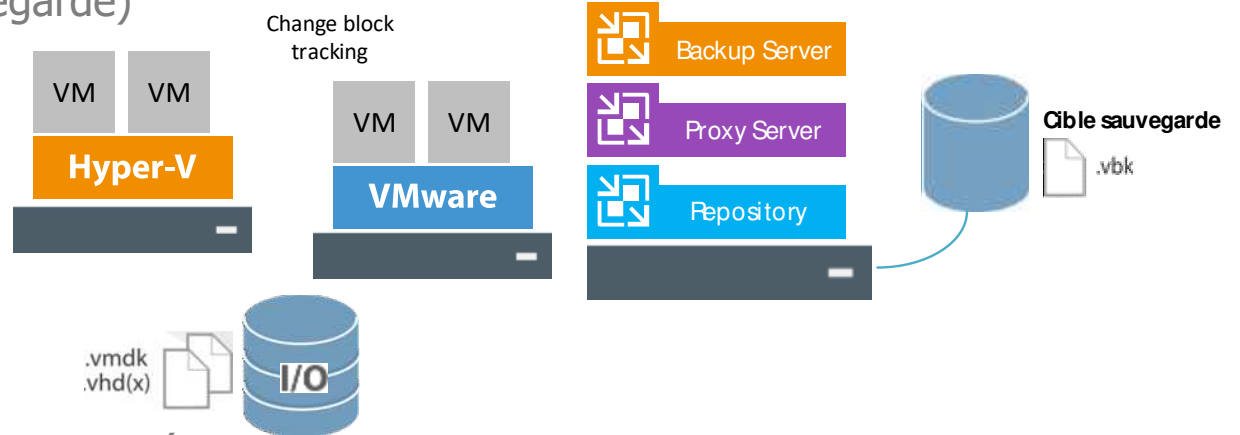
Backup & Replication

Replication de VM pour PRA
Orchestration de reprise après incident

Architecture distribuée

3 rôles principaux :

- Backup Server (Management)
- Proxy (moteur de sauvegarde)
- Repository (cible de sauvegarde)



- Garantie une tres grande scalabilité



De multiples scénarios de
restauration fiables et rapides

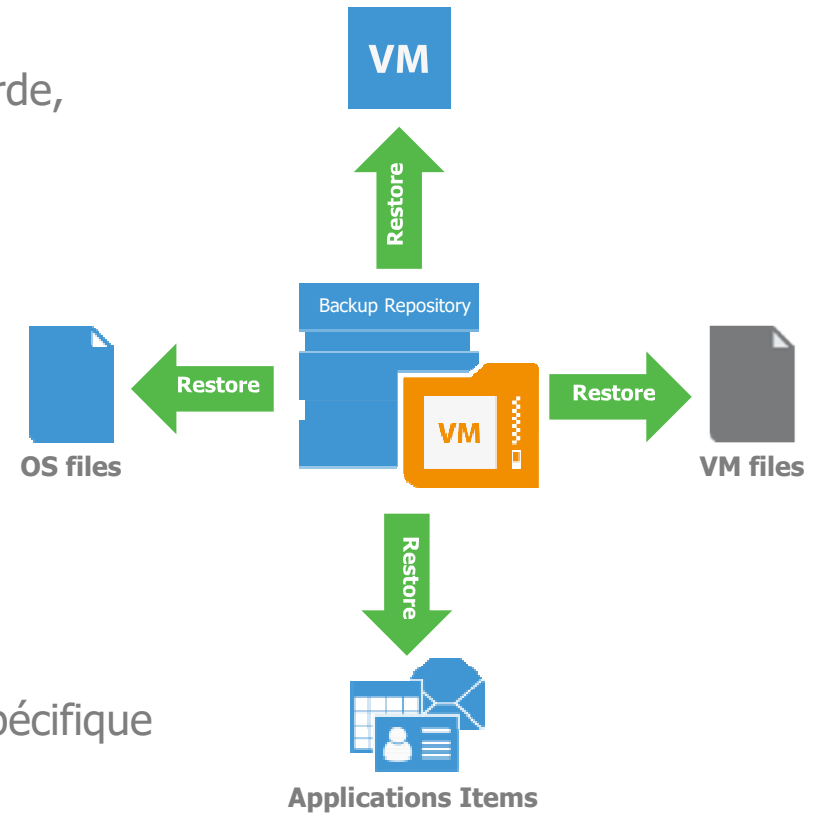
Restauration

• A partir d'un seul et même fichier de sauvegarde, on peut restaurer:

- VM complète
- Fichiers composant la VM
- Fichiers du Guest OS
- Objets applicatifs

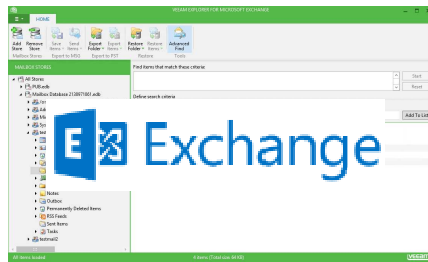
Simplicité:

Pas de job spécifique pour une restauration spécifique

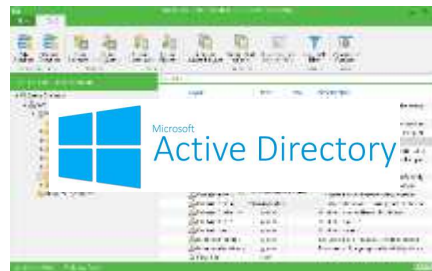


Restauration d'objet applicatif

Explorer for Exchange



Explorer for AD



Explorer for SharePoint



Explorer for SQL



Explorer for ORACLE

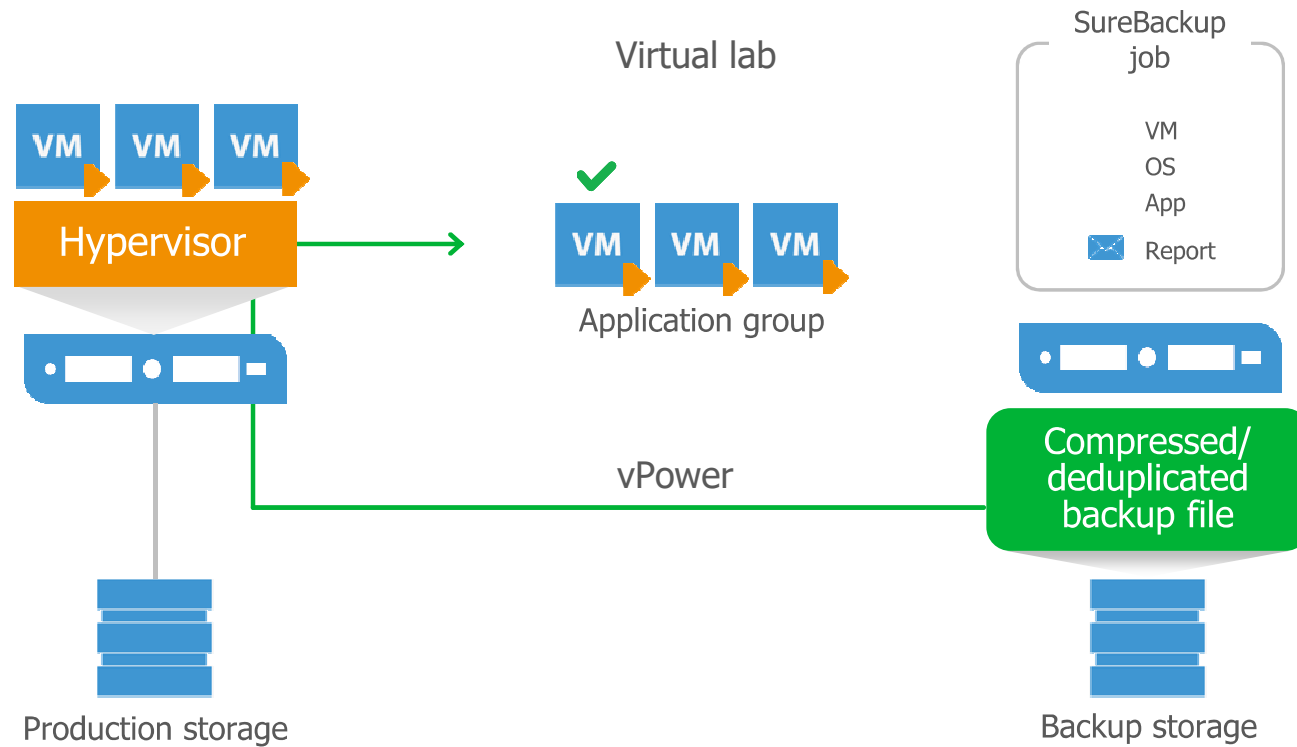


Restauration garantie



SureBackup + On-demand Sandbox + U-AIR

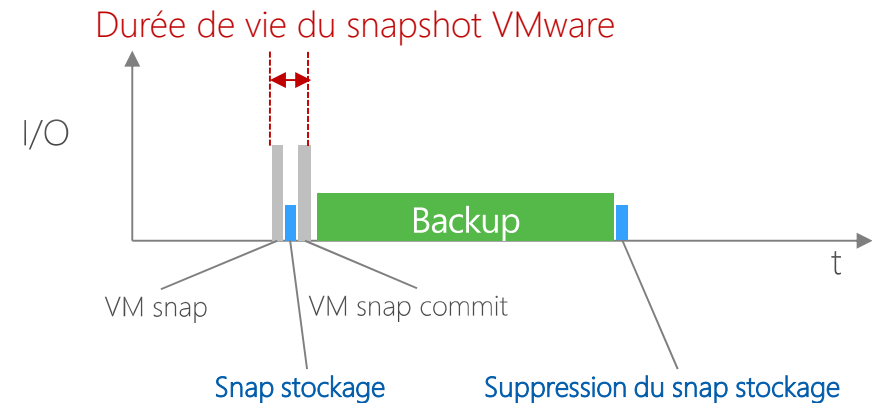
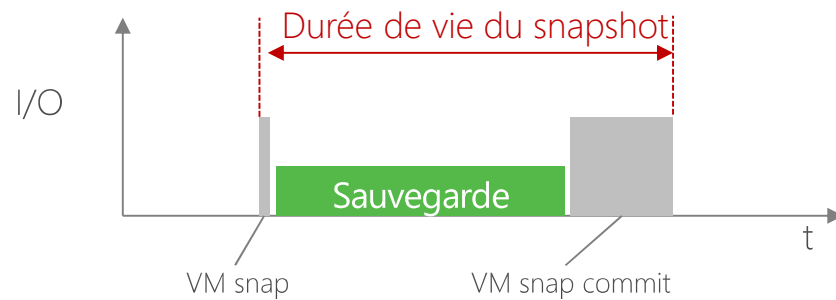
Automate restore tests + run pre-prod environment + retrieve any piece of data



Intégration stockage source



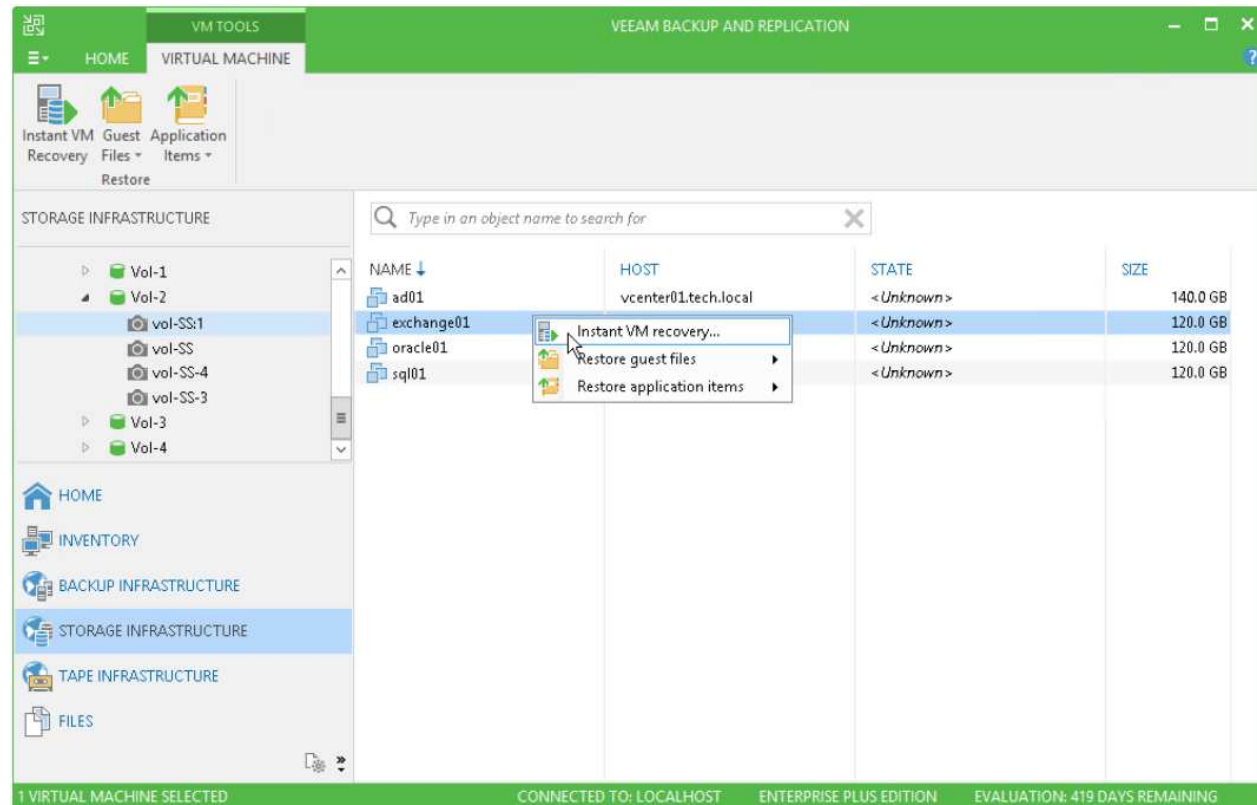
Sauvegarde avec snap de baie



- **Pas de montage de datastore** sur un « proxying ESXi »
- **Pas de resignature** de LUN
- Tire parti du **CBT** Vmware, pas besoin de rescanner la VM pour connaître les nouveaux bloc
- Jusqu'à **20 fois** plus rapide que les **solutions concurrentes**

Veeam Explorer for Storage Snapshot

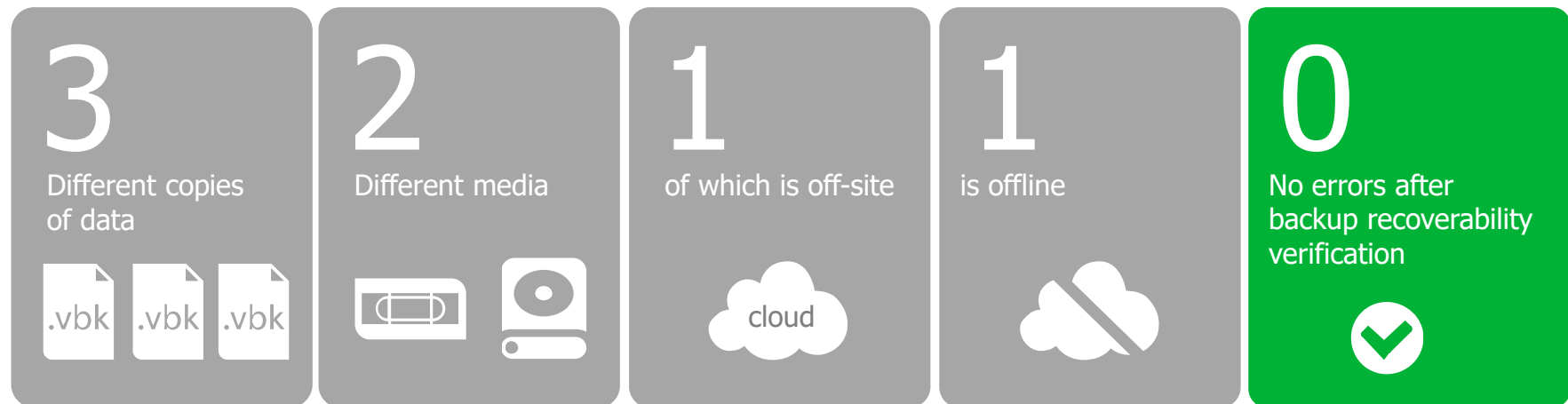
Utilisation des
snapshot stockage
SAN pour baisser les
RTO et RPO



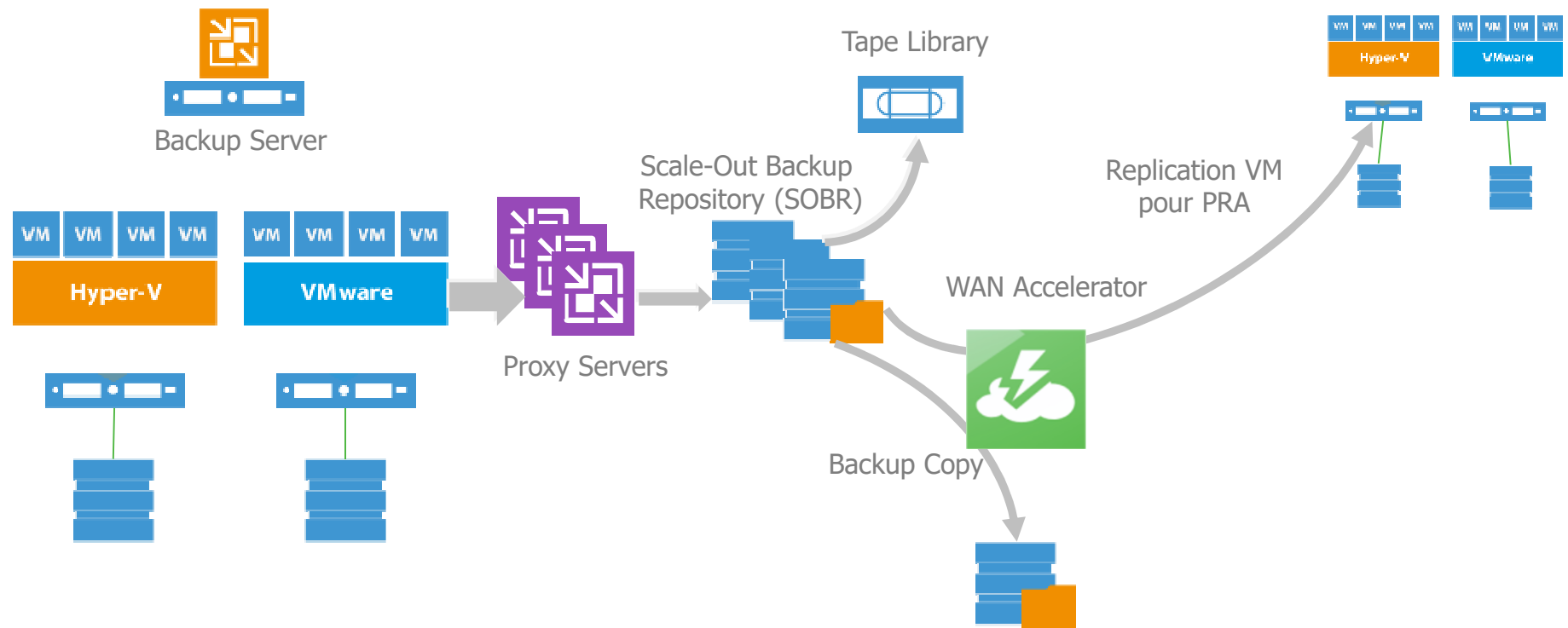


Externalisation des données

3-2-1-1-0 Rule!



Externalisation avec Veeam





Nouveautés Veeam Backup

Cloud Tier

Hiérarchisation automatique intégrée

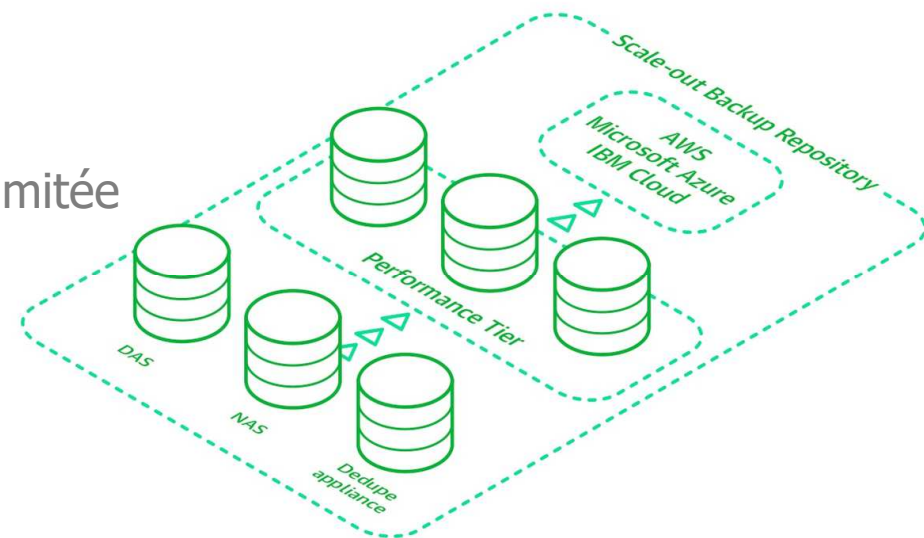
Mise en œuvre simple

Stockage objet : coût réduit, capacité illimitée

Amazon S3, S3 IA, Glacier
Azure Blob Storage
IBM Cloud Object Storage
Appliances S3 (Scality)

Pas de Cloud Tax

Pas de vendor lock-in



Cloud Mobility

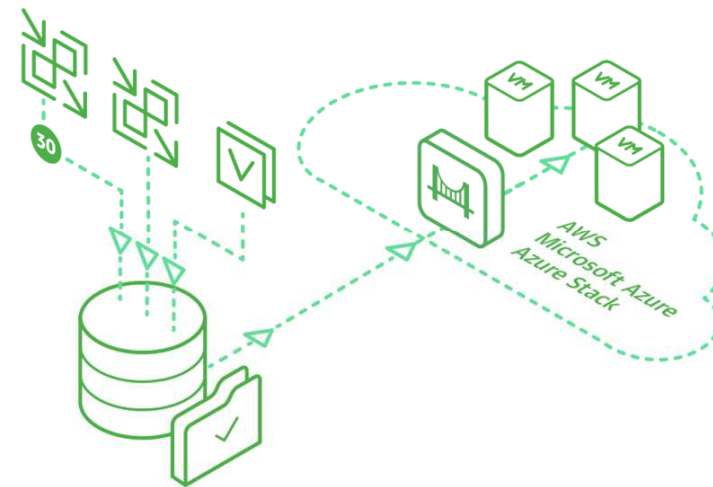
Portabilité des données pour le Multi-Cloud

Direct restore to Azure

Direct restore to Azure Stack

Direct restore to AWS ECS

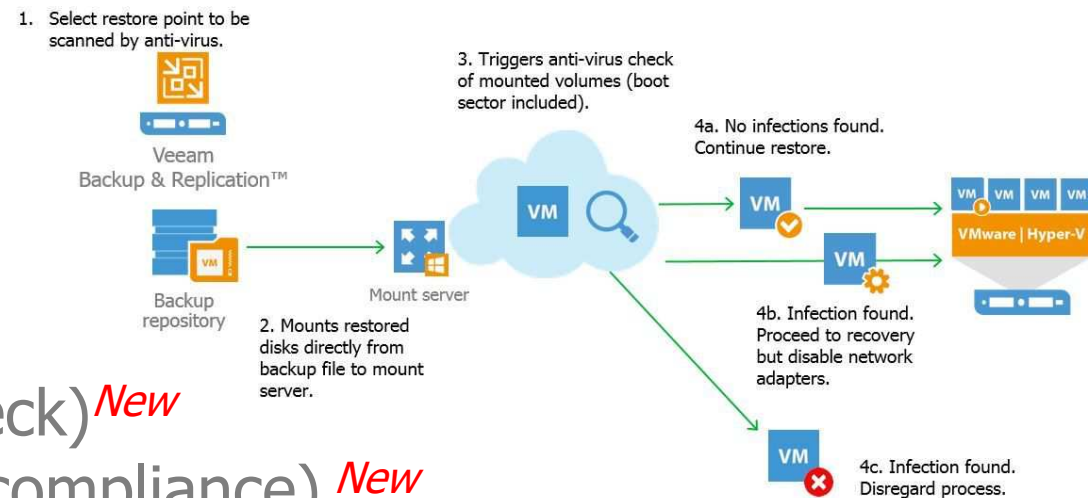
Restore EC2 workloads
to On Prem Datacenter



Veeam Data Labs

SureBackup OnDemand SandBox

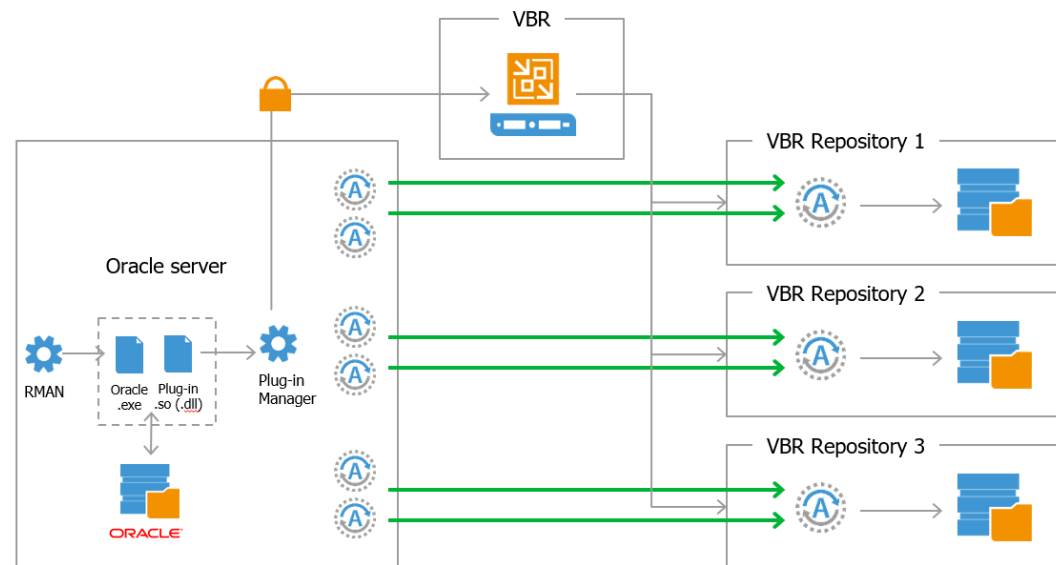
- Secure Restore (AV check) *New*
- Staged restore (GDPR compliance) *New*
- Surebackup + Secure restore *New*
- (détection Ransomware proactive) *New*



Plug-in Veeam pour Oracle RMAN

Permet aux sauvegardes RMAN dans Oracle d'envoyer des données aux ressources de stockage de Veeam Backup & Replication

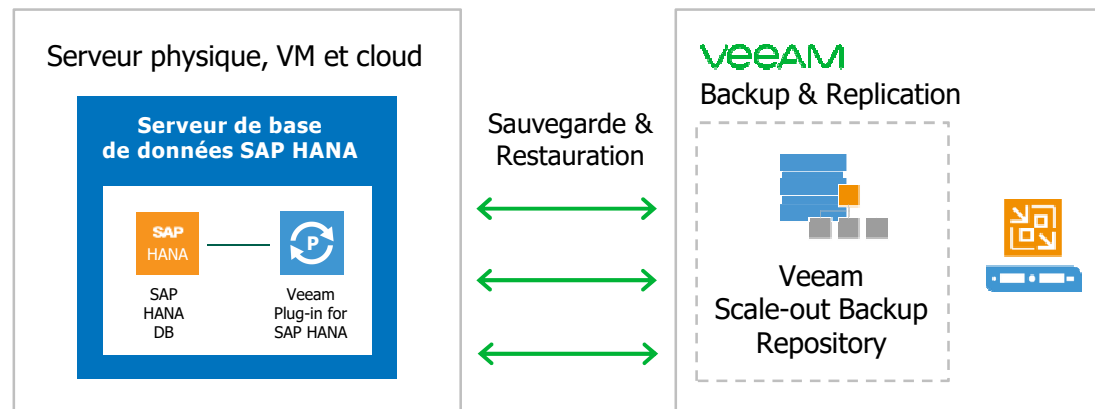
- Les DBAs d'Oracle contrôlent les sauvegardes et les restaurations
- Les DBAs d'Oracle peuvent empêcher les administrateurs de backup de diriger les restaurations
- Les DBAs non-Oracle peuvent effectuer des restaurations avec Veeam Explorer for Oracle



Plug-in Veeam pour SAP HANA

Outre les méthodes de sauvegarde en mode image, Veeam fournit un plug-in SAP HANA BACKINT offrant les fonctionnalités suivantes :

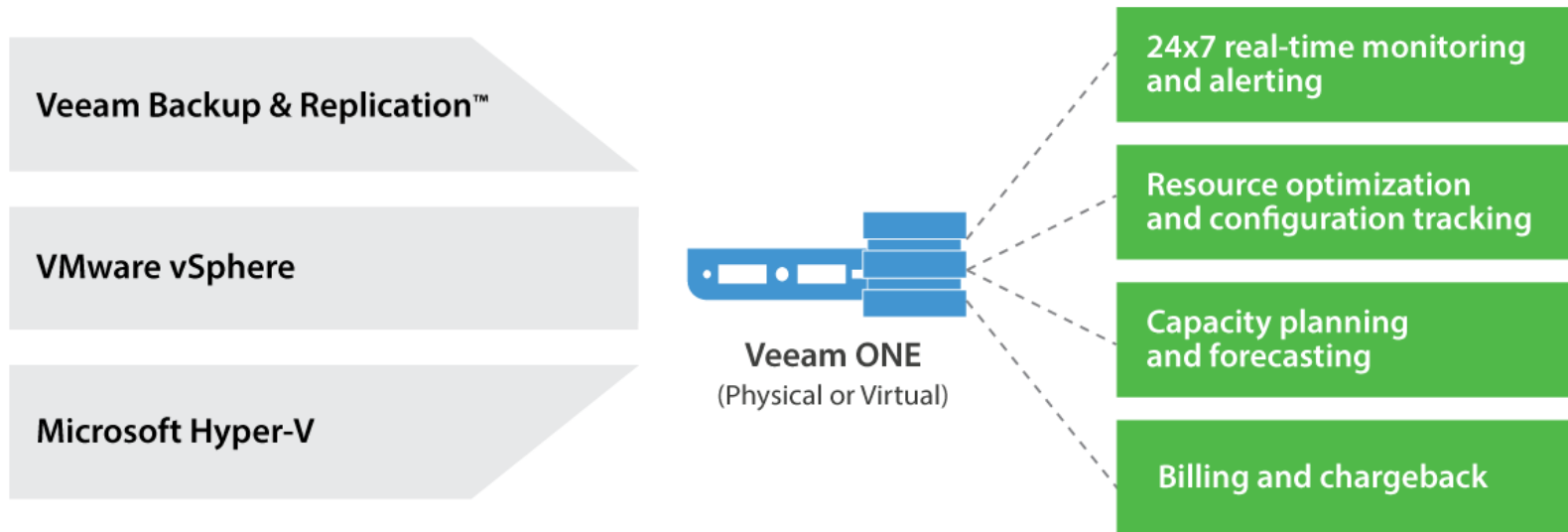
- Sauvegarde et restauration par les méthodes natives de sauvegarde de base de données SAP HANA. Utilisation de SAP HANA Studio pour les restaurations.
- Certification officielle SAP BACKINT (lors du lancement)
- Capacités et scénarios d'utilisation améliorés pour les scripts et les méthodes de planification existants.
- Utilisez Scale-Out Backup Repository (SOBR) de Veeam pour optimiser le débit lors des opérations de sauvegarde et de restauration. Des serveurs et un stockage supplémentaires peuvent être utilisés pour augmenter le débit et la capacité.



The background of the image is a dark teal color. On the right side, there is a large, abstract graphic composed of many small, light green dots arranged in a pattern that forms a stylized, flowing shape, possibly representing a network or data flow. The text "VEEAM ONE" is centered in the middle of the image in a white, bold, sans-serif font.

VEEAM ONE

VEEAM ONE



Report Backup

Connaitre son état de protection :

- Est ce que toutes les VM sont protégées?
- Est-ce du backup et/ou de la replication?
- De quand date le dernier point de protection?
- De combien de version on dispose?



Protected VMs

Description

This report lists all protected and unprotected VMs including their last backup state.
Note: VM replicat created by Veeam Backup & Replication jobs are not accounted in this report.

Report Parameters

Scope: esx01.tech.local
RPO period: Past 2 week(s)
Exclusion mask:
Job type: Backup, Replication, Backup Copy
Business View object(s):
Include VM templates in this report: No

Summary Information

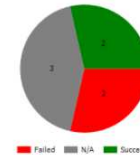
VMs Overview:

Total VMs:	32
Total Templates:	0
Protected VMs:	7
Backed Up VMs:	7
Replicated VMs:	0
Restore Points:	55
Unprotected VMs:	25
VM Replicas:	0

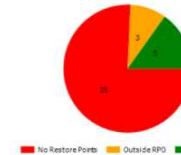
Protected VMs



VM Last Backup State



VM Last Backup Age



Details

Protected VMs

Last Backup State	VMs	Location	Backup Type	Backup Job	Oldest Backup Date	Available Restore Points	Last Backup Date
Failed	svr01	vcenter01.tech.local-esx01.tech.local	Backup	Mediaservers Daily Backup	7/22/2016		9/7/21/2016
	svr01	vcenter01.tech.local-esx01.tech.local	Backup	Mediaservers Daily Backup	7/22/2016		9/7/21/2016
N/A	apache03	vcenter01.tech.local-esx01.tech.local	Backup	Webserver Backup	8/2/2016	4	8/24/2016
	webserver03	vcenter01.tech.local-esx01.tech.local	Backup	Webserver Backup	8/2/2016	5	8/24/2016
	webserver02	vcenter01.tech.local-esx01.tech.local	Backup	Webserver Backup	8/2/2016	3	8/24/2016
Success	apache01	vcenter01.tech.local-esx01.tech.local	Backup	Apache Weekly Backup	8/13/2016	8	8/8/2016
	crm_db	vcenter01.tech.local-esx01.tech.local	Backup	CRM DB Weekly Backup	7/18/2016	17	8/3/2016

Unprotected VMs (VMware)

Location	VM Age	VMs	Creation Date	Last Backup Date	VM Size (GB)	Creator
vcenter01.tech.local-esx01.tech.local	< 1 week	25				
		apache04	8/7/2016	-	40	TECH\john.smith
		webserver03	9/7/2016	-	80	TECH\john.smith
	Not defined					

Reporting Production : Oversized VM



Oversized VMs

Report description

This report helps you to discover VMs with under-utilized CPU and memory resources allocation for VMs.

Report parameters

Scope: Virtual Infrastructure

Interval: 1 day

Business View object(s):

Top N: 5

Memory counter: Active

Summary Information

Total oversized VMs:	34
Total VMs:	59
CPU oversized VMs:	21
Memory oversized VMs:	34
CPU resources that can be reclaimed:	37 vCPUs
VRAM amount that can be reclaimed:	126.22 GB

Oversized Virtual Machines by CPU

vCenter Server	Cluster/Host	Virtual Machine	CPU			Reclaimed resource CPU	Recommendation
			vCPUs	Average Usage (%)	Peak Usage (%)		
vcenter01.tech.local	esx01.tech.local	5				15	
						9	
		srv08	4	5.00	6.00	3	Configure this VM with 1 vCPUs.
		shell	4	0.00	1.00	3	Configure this VM with 1 vCPUs.
		srv07	4	1.00	1.00	3	Configure this VM with 1 vCPUs.
		esx02.tech.local				6	
		vcenter01	4	8.00	8.00	3	Configure this VM with 1 vCPUs.
		backup01	4	2.00	3.00	3	Configure this VM with 1 vCPUs.

Oversized Virtual Machines by Memory

vCenter Server	Cluster/Host	Virtual Machine	Memory			Reclaimed resource Memory (%)	Recommendation
			Capacity (GB)	Average Usage (GB)	Peak Usage (GB)		
vcenter01.tech.local	esx01.tech.local	5				31.42	
						11.62	
		tapelibrary	8.42	1.71	1.73	6.22	Allocate 2.2 GBs of RAM.
		win01	6.00	0.39	0.42	5.40	Allocate 0.6 GBs of RAM.
		esx02.tech.local				19.80	
		srv35	8.00	0.67	0.69	7.10	Allocate 0.9 GBs of RAM.
		srv36	8.00	0.60	0.68	7.10	Allocate 0.9 GBs of RAM.
		dc01	6.00	0.24	0.29	5.60	Allocate 0.4 GBs of RAM.

Reporting Production : Scenario what if



Modelling results for Compute resources

Simulation pour savoir si on a suffisamment de ressource pour :

Supporter la perte d'un ou plusieurs hyperviseurs

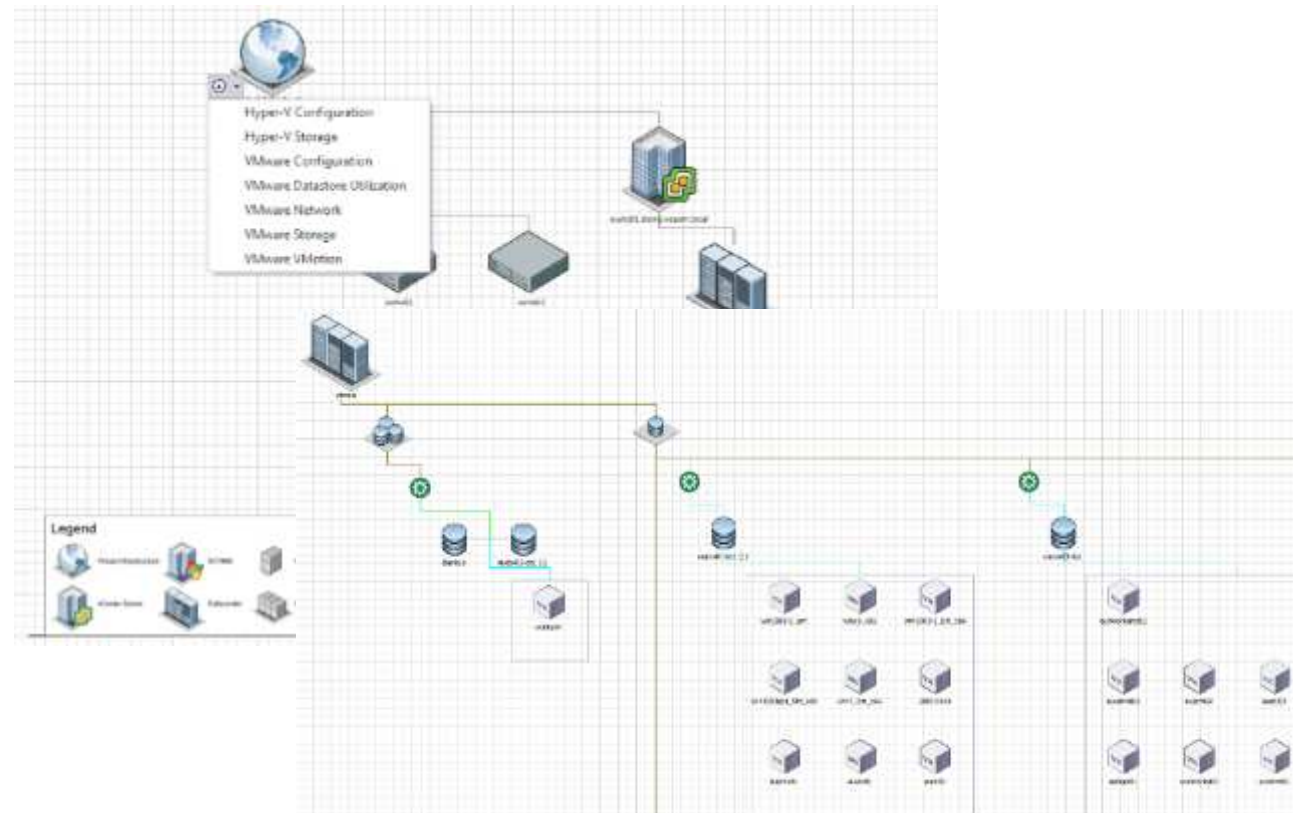
Accueillir un projet metier ponctuel

Metric	Average		In Peak		Estimate For Next Six Months	
	Usage	Required	Usage	Required	Usage	Required
CPU (GHz)	54.26% (13.67)	-	54.26% (13.67)	-	54.26% (13.67)	-
Passed						
vCPU	175.00% (84)	36				
Warning						
Memory (GB)	82.01% (104.94)	-	82.01% (104.94)	-	82.01% (104.94)	-
Passed						

Documentation automatique

Generation de schema
Visio complet de
l'infrastructure

Avec les noms, les
configurations, les
adresses IP...



Protection Office 365





Pourquoi ai-je besoin d'un backup?

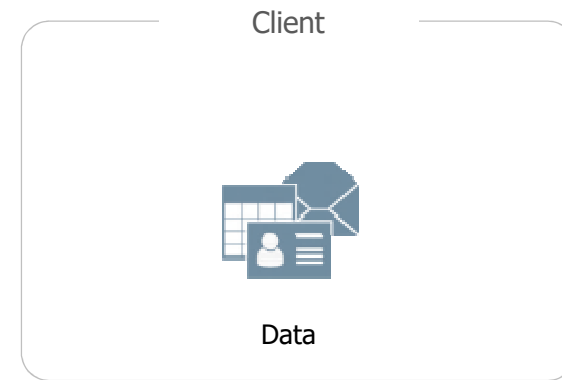
Microsoft s'occupe de tout.

La perception du client
Microsoft s'occupe de tout



Disponibilité d'O365

La réalité du client
Microsoft assure la disponibilité de l'infrastructure,
mais les données restent la responsabilité du client.



**Protection et rétention à long terme
des données Office 365**



Office

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Resources

Templates

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BUY OFFICE 365 >

Welcome

Built-in Security

Privacy by design

Continuous compliance

Transparent operations

From Inside the Cloud security videos

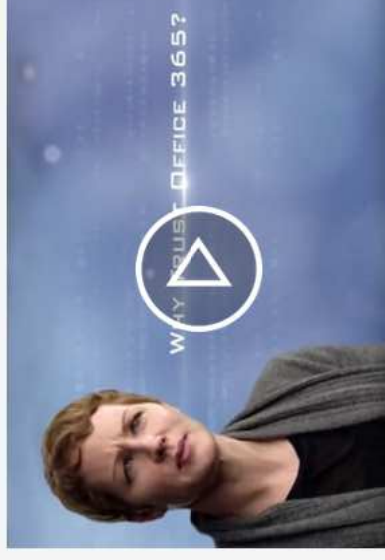
Move your business ahead with the latest security and compliance features within Office 365 Enterprise E5. [Learn more](#)

Office 365

Office 365 Trust Center

Welcome to the place where we share our commitments and information about security, privacy, and compliance.

[Watch all security-related videos From Inside the Cloud](#)



With Office 365, it's your data. You own it. You control it. And it is yours to take with you if you decide to leave the service. The core tenets of our approach to earning and maintaining your trust are:

[Built-in security](#)

- Service-level security through defense-in-depth

[Privacy by design](#)

- Your data is not used for advertising

6 Reasons WHY

you need an Office 365 backup



Accidental deletion



Retention policy confusion / gaps



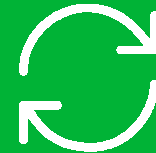
Internal security threats
Malicious insiders / departing employees



External security threats
Ransomware / rogue apps

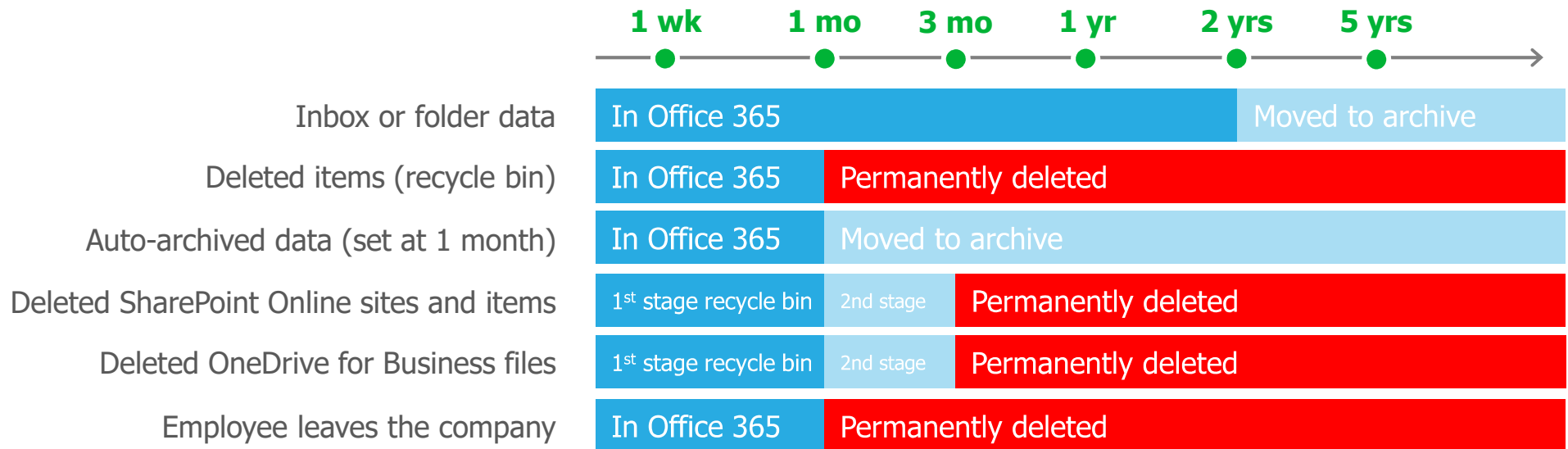


Legal and compliance requirements



Managing hybrid deployments and migrations

Retention policies: What exactly does Microsoft back up?

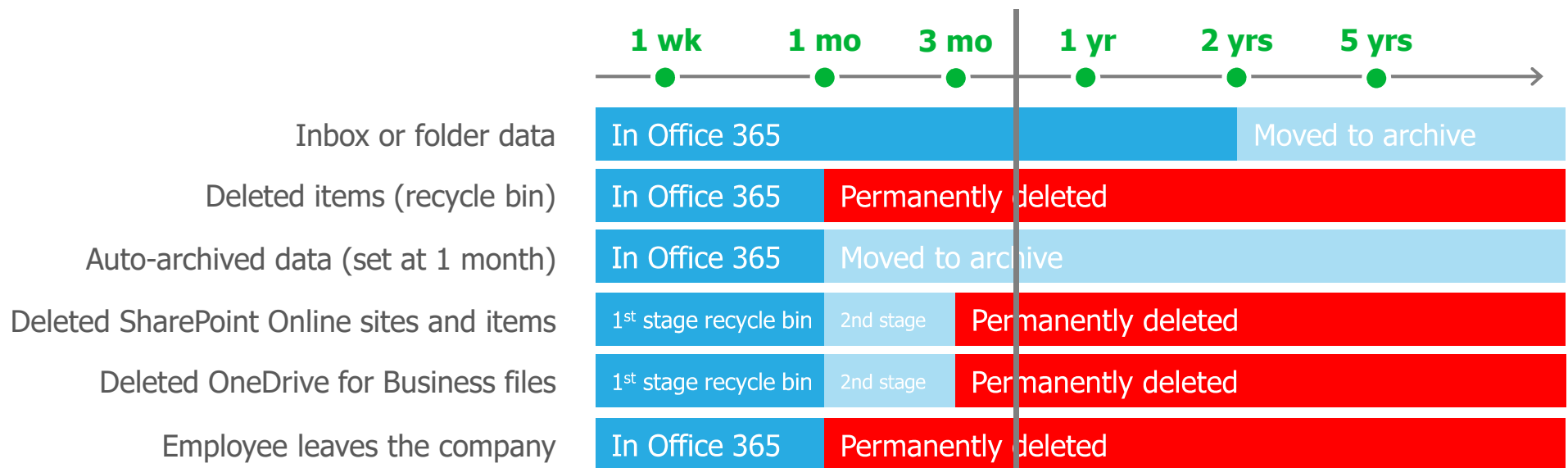


Office 365 backup and retention policies can **only protect you from data loss in a limited way** and are not intended to be a complete backup solution.

Retention policies are always evolving and tend to be **very complicated to manage and monitor**. Commonly, Admins believe they are covered, only to find that in fact certain items are gone.

Sources: Exchange Online information above is based on Microsoft's [default MRM Policy](#). SharePoint Online information above is based on Microsoft's [support article](#). OneDrive for Business information is based on Microsoft's [support article](#). In some cases, these defaults can be customized by the IT Admin, but often require certain licenses and/or additional fees, and also carry the risk which allows Microsoft to automatically delete data ahead of retention policy dates if the recycle bin is full.

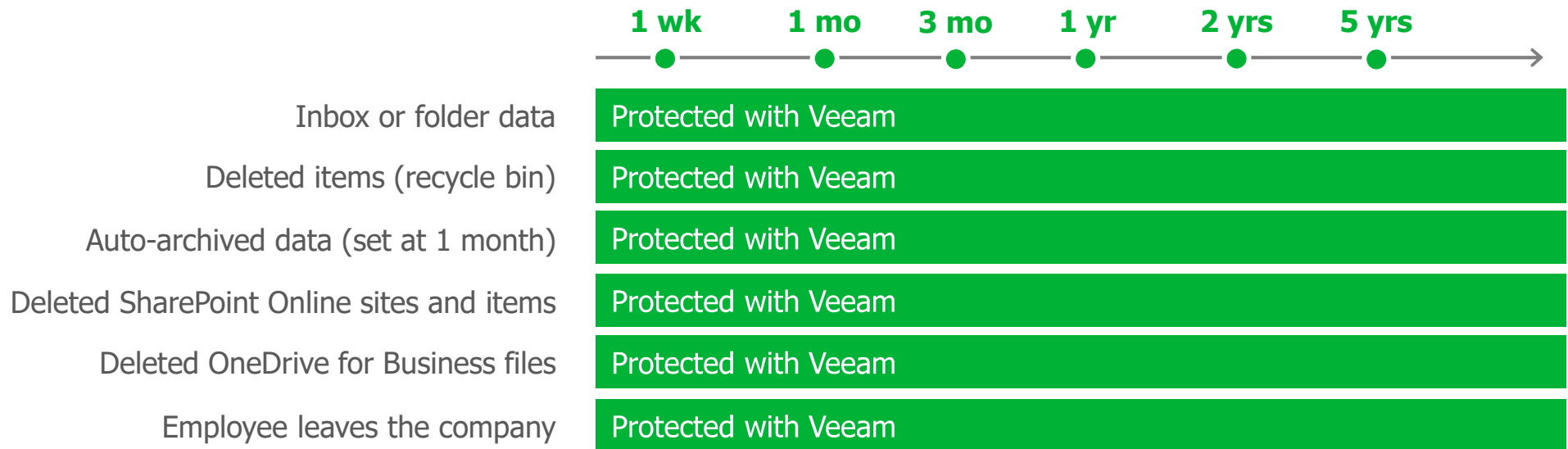
Retention policies: What exactly does Microsoft back up?



The average length of time from **data compromise to discovery is over 140 days**, yet default settings only protect for 30-90 days.

Source: Microsoft Office 365, 6 steps to holistic security, chapter 1

Retention policies: What exactly does Microsoft back up?

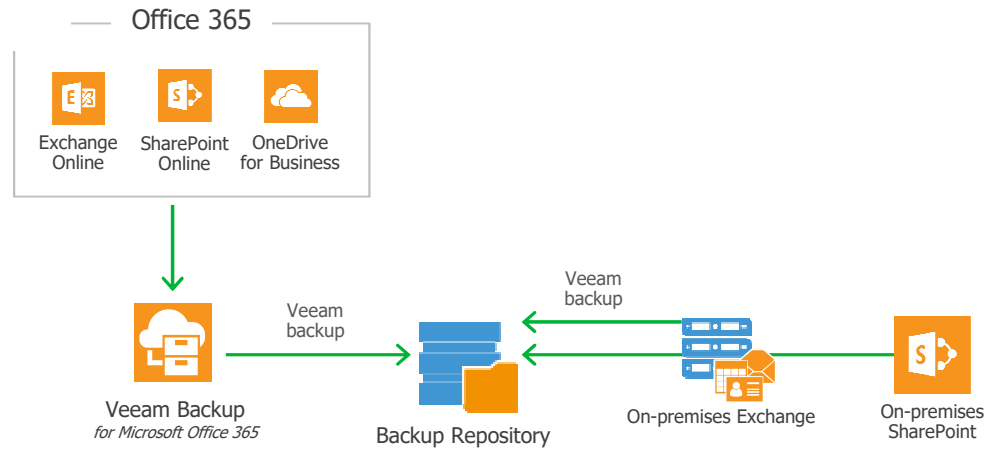


Veeam Backup for Microsoft Office 365 is more than simply filling gaps.

It's about providing access and control to ALL

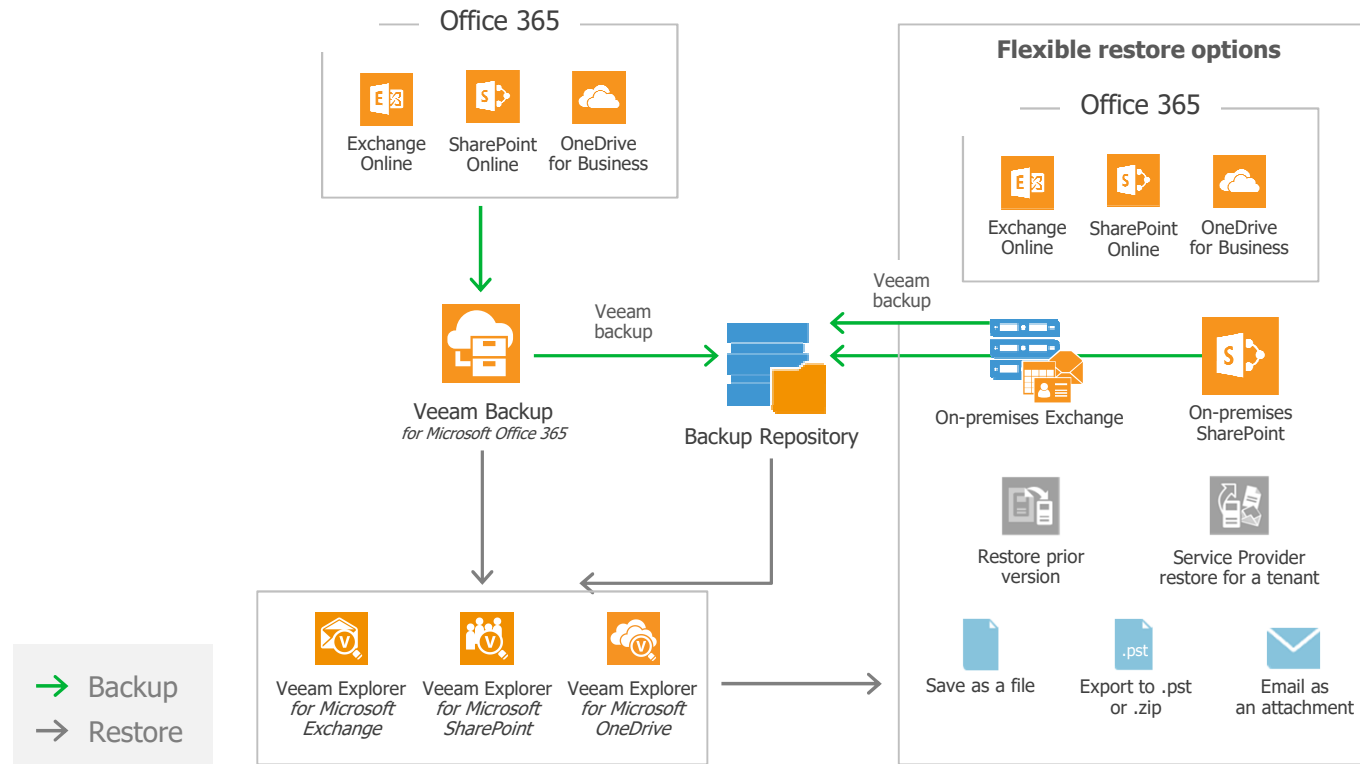
Exchange Online, SharePoint Online and OneDrive for Business data and **storing it in one location, making recovery fast, easy and reliable.**

Veeam Backup *for Microsoft Office 365*



→ Backup

Veeam Backup *for Microsoft Office 365*



https://www.youtube.com/watch?time_continue=2&v=VX59Gf-Twwn

Exemple infection Office 365

https://www.youtube.com/watch?time_continue=2&v=VX59Gf-Tww0

The screenshot shows the Outlook interface with a selected email from Kevin Mitnick. The email body contains a ransom note with the following text:

Oops your emails have been encrypted!

What happened to my emails?

Your important emails have been encrypted. Many of your emails, including your attachments are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover emails, but do not waste your time. Nobody can recover your emails without our decryption service.

Can I recover my emails?

Sure. We guarantee that you can recover all your emails safely and easily. (But you have not so enough time.)

If you want to decrypt all your emails, you need to pay. You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your emails forever

At the bottom of the note, there is a Bitcoin logo and the text: "Send \$300 worth of bitcoin to this address YXNkZmFzZGZhkZmFzZGZINXk2ZGZnZGY"

The background is a solid green color with a white, wavy, abstract pattern that resembles a stylized 'V' or a series of overlapping curves. The pattern is composed of fine, parallel lines that create a sense of depth and movement.

Merci

VEEAM