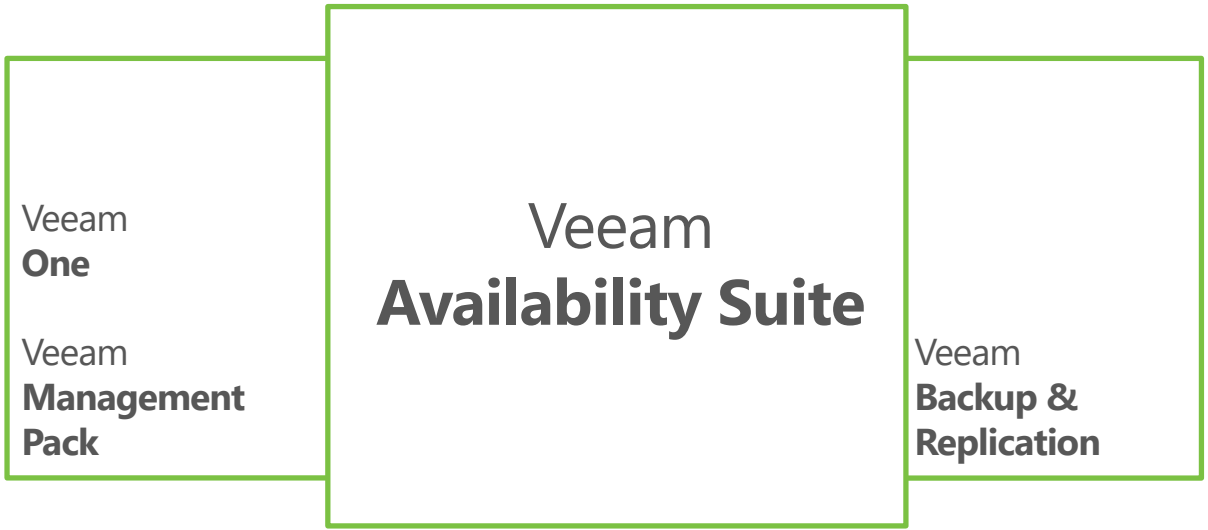
Wiki Wednesday

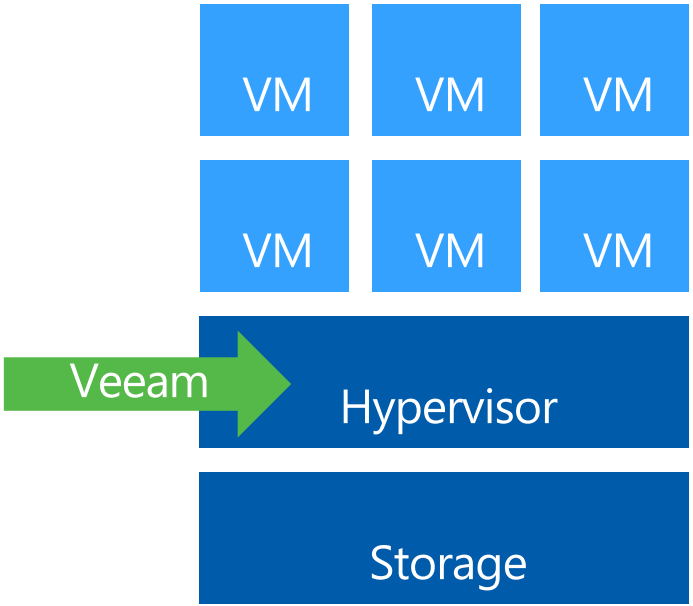
Timothy Dewin

http://teeam.eu

Who is Veeam?


Veeam
One
Veeam
Management
Pack
Veeam
Availability Suite
Veeam
Backup &
Replication

Agentless



No persistent agents

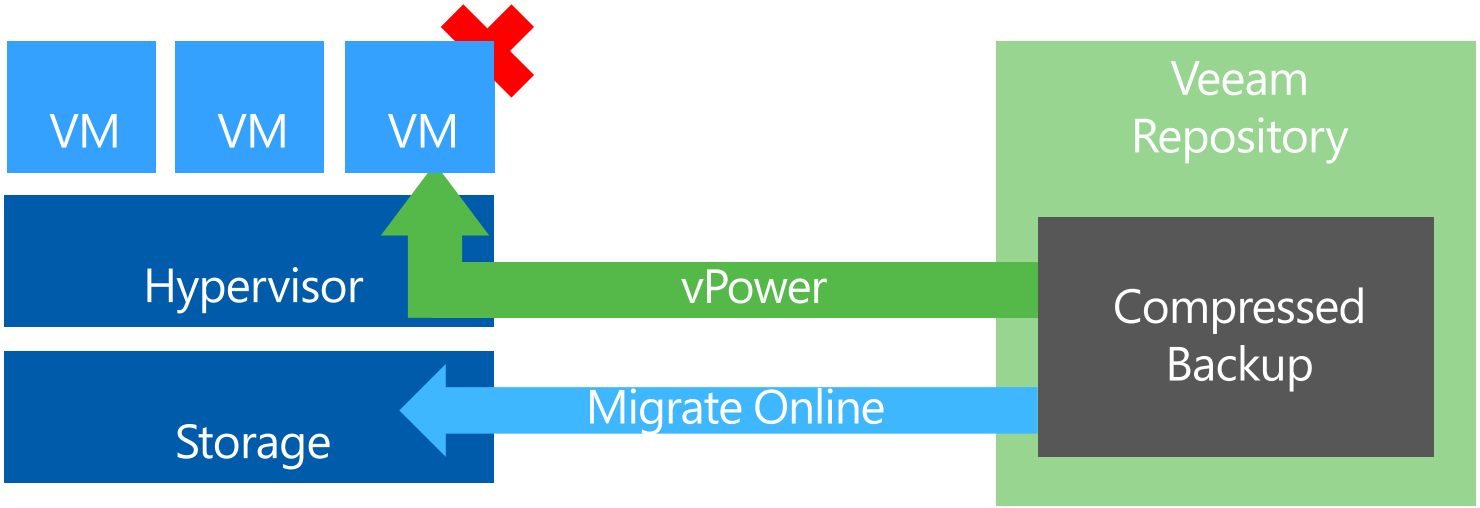
- No installation
- No configuration
- No updates

Growth is not an issue

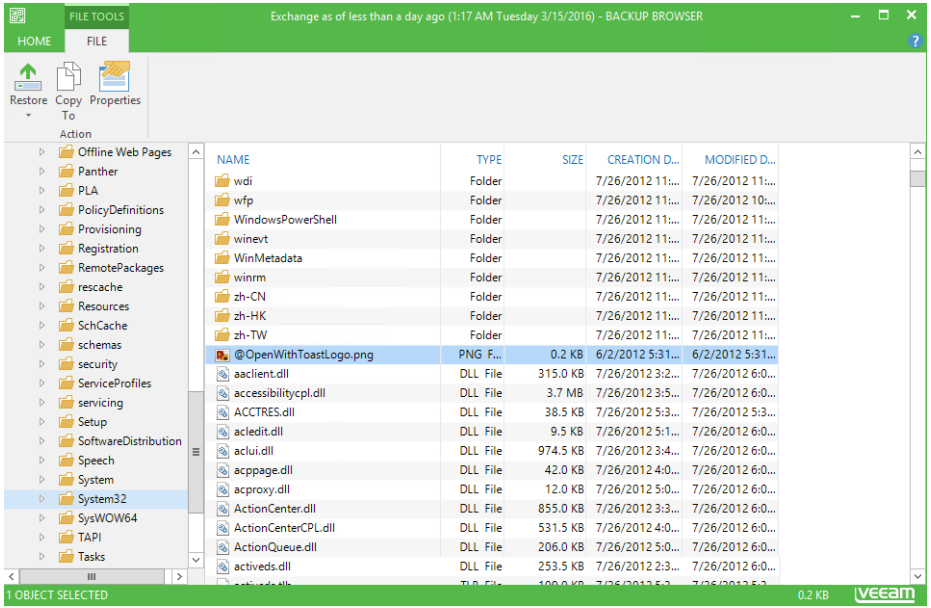
- No Installation
- Automatic Inclusion
- No complex scheduling

Still Consistent via VSS!

Instant VM Recovery



File Level Recovery



Fast:

instantly restore guest files
(without having to first restore the VM)

Universal:

supports any guest OS
and file system

Flexible:

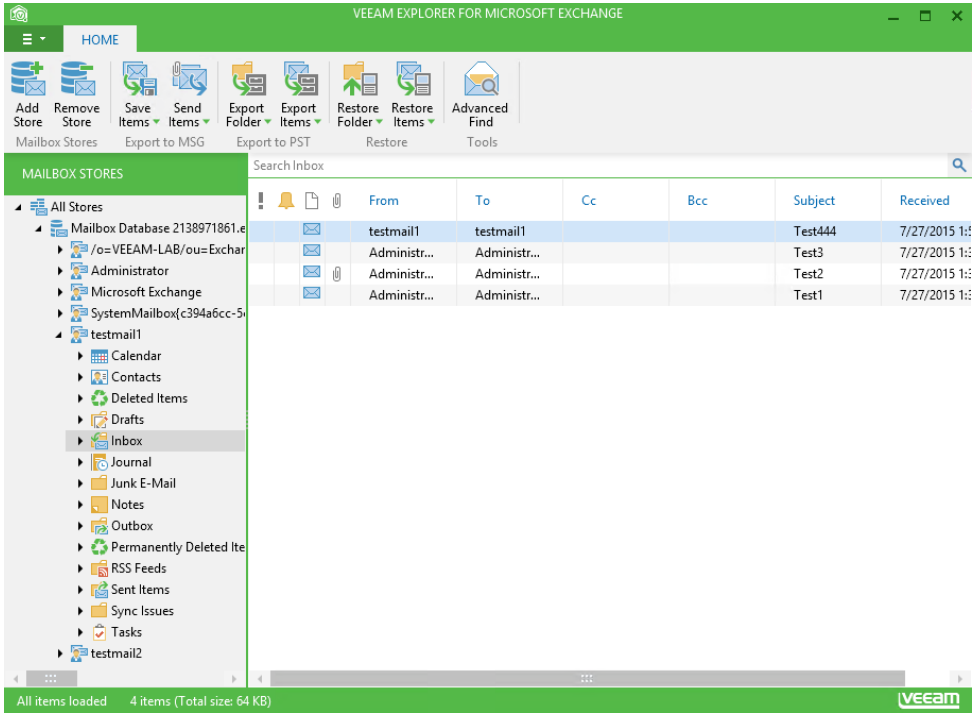
restore from backups
or replicas

Veeam Explorer for MS Exchange

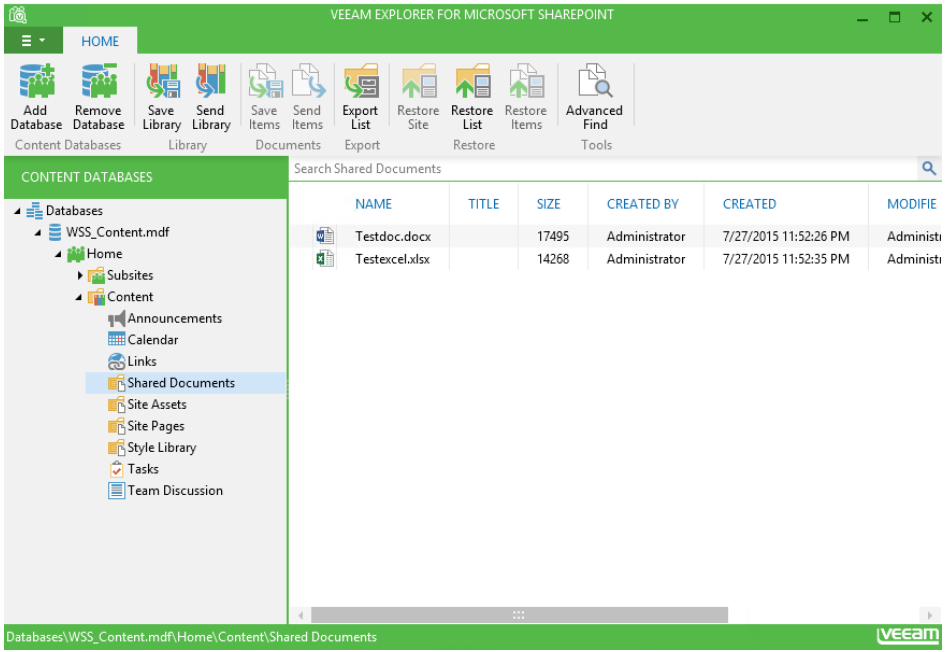
Visibility:
instant visibility into Exchange VM backups

E-discovery:
browse and search mailboxes and mailbox stores

Item recovery:
Export, attach or restore directly to mailbox store



Veeam Explorer for MS SharePoint



Visibility:

Instant visibility and browsing of SharePoint databases

Discovery:

Advanced search for specific SharePoint items

Item recovery:

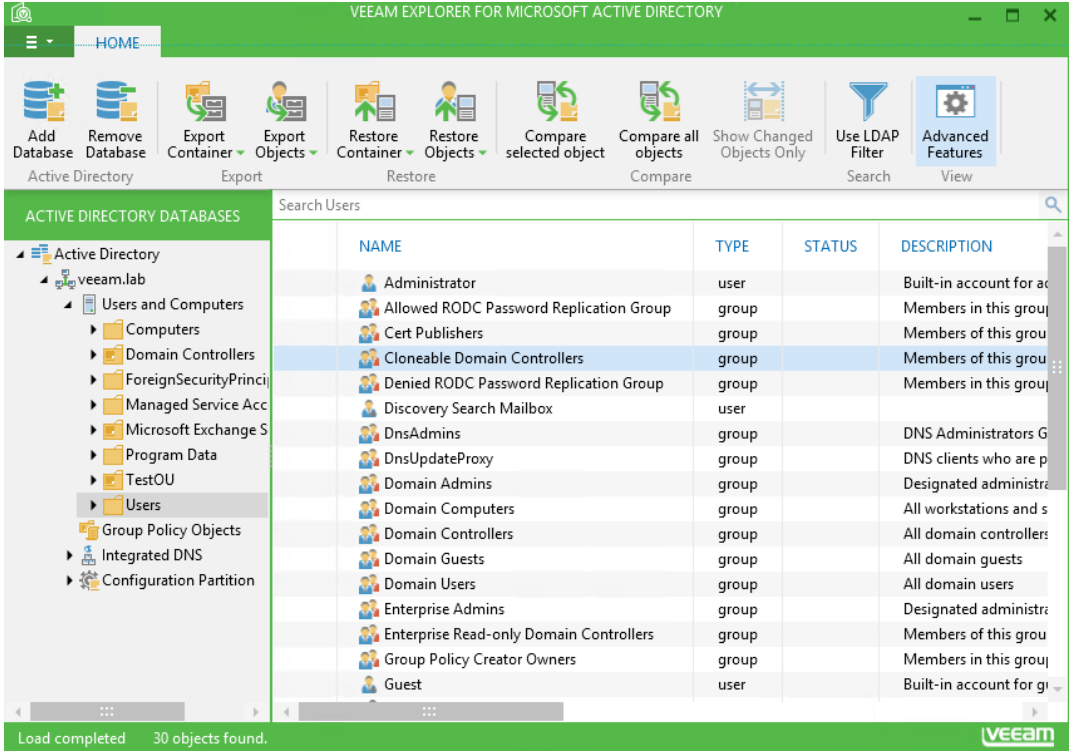
Fast, easy, and agent-free restore of SharePoint items.

Veeam Explorer for MS AD

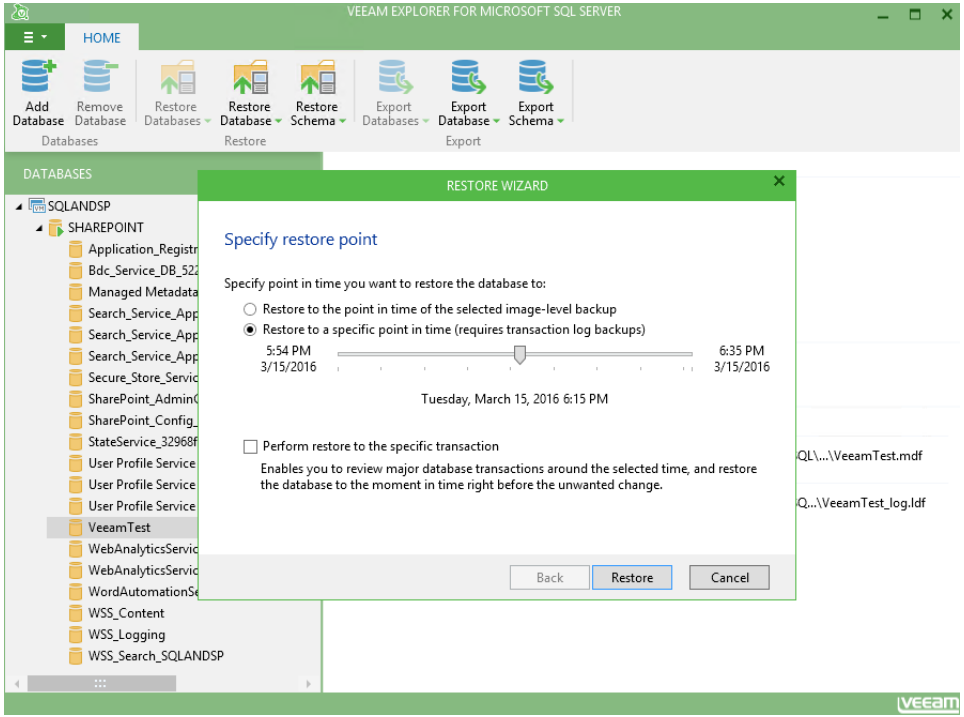
Visibility:
Looks exactly like your AD tools

Discovery:
browse and search for missing items. Compare option added

Item recovery:
Export or restore directly to AD **with password**!



Veeam Explorer for MS SQL



Easy log backup:

Full Image based backup
Transactional log backup every x minutes

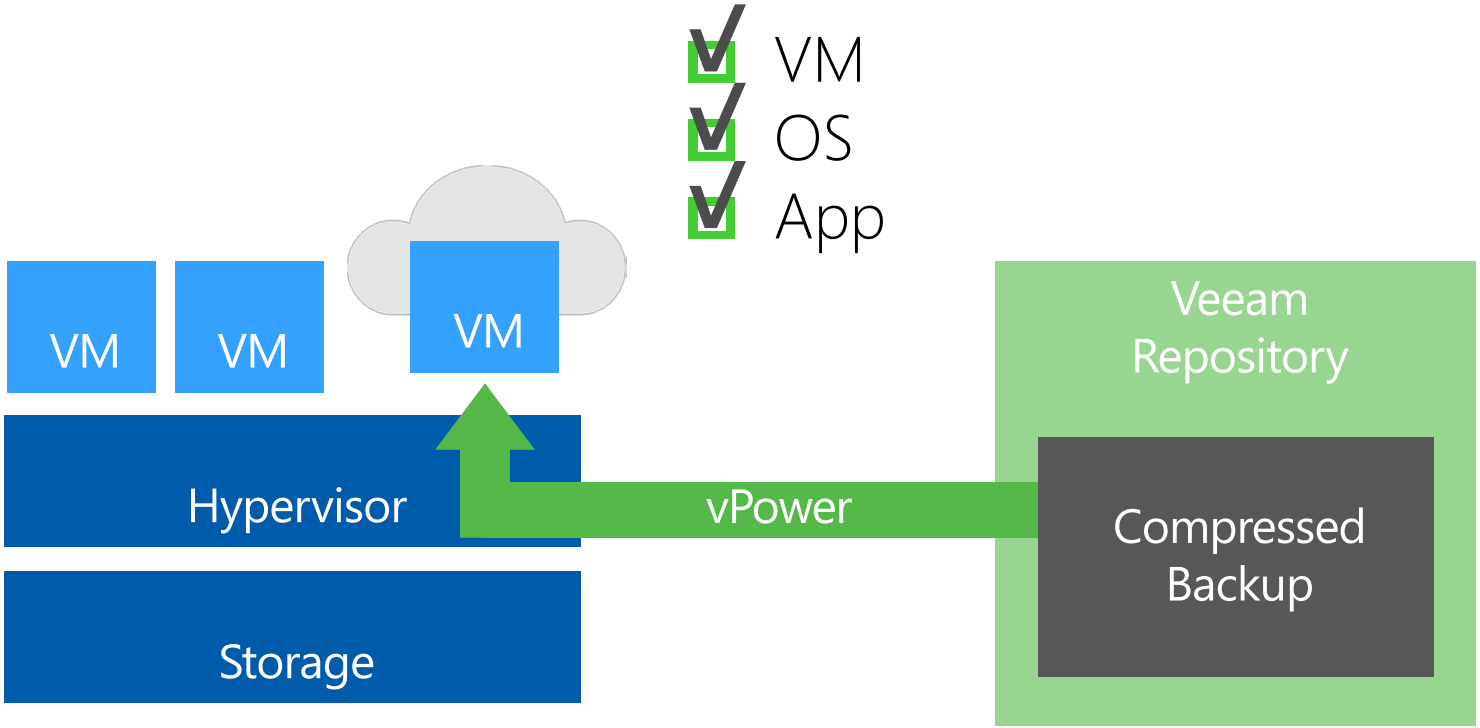
Recovery:

Last restore point
Point-in-time
Specific Transaction

Veeam Explorer for Oracle

Veeam Explorer for Oracle supports Oracle databases running on both **Linux and Windows VMs.**

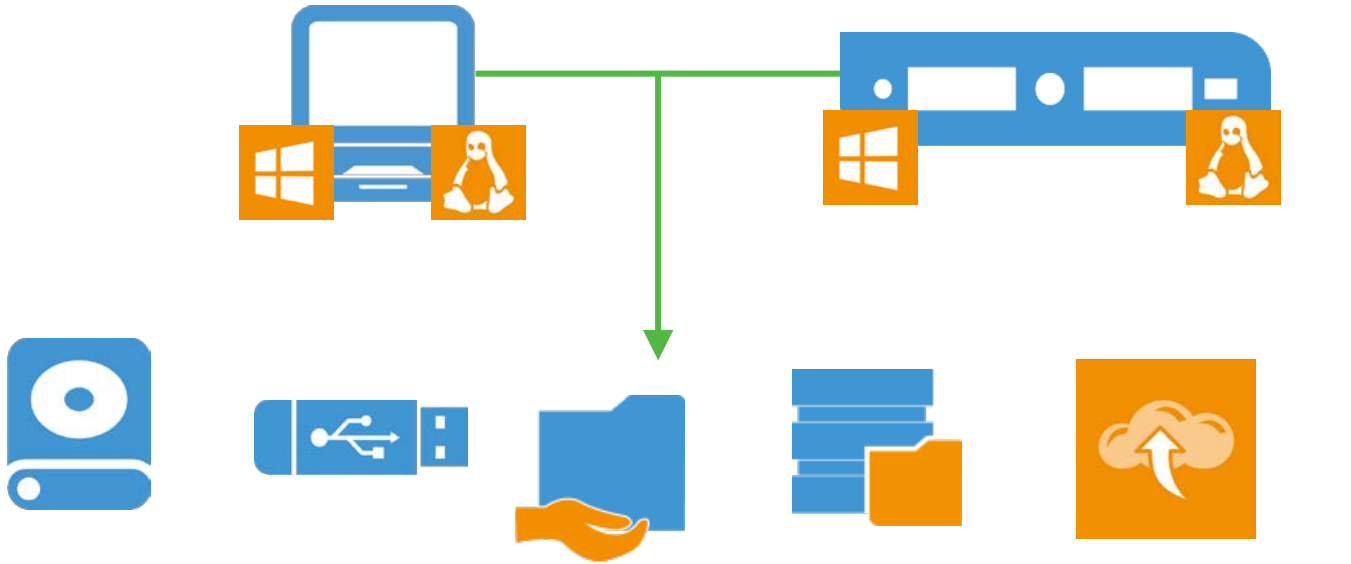
Surebackup / Lab Support



More high tech

Veeam Agents

Protect servers and workstations
on-premises and in the cloud



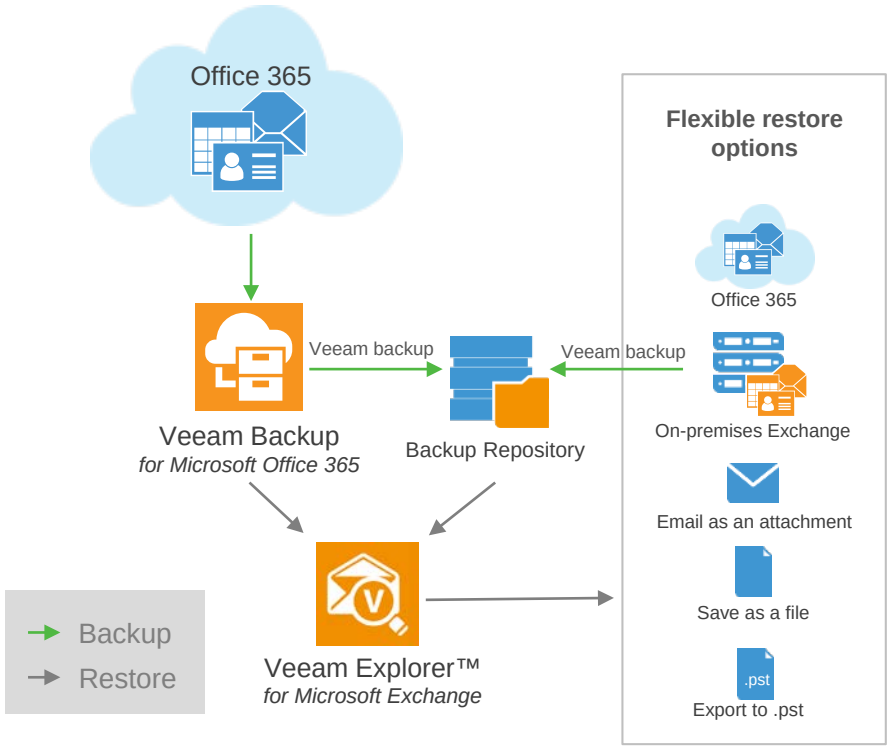
Internal HDD | External HDD | Shared Folder | Veeam Repository | Veeam Cloud Connect

©2016 Veeam Software

Veeam Backup *for Microsoft Office 365*

Securely backup Office 365 email data back to your environment

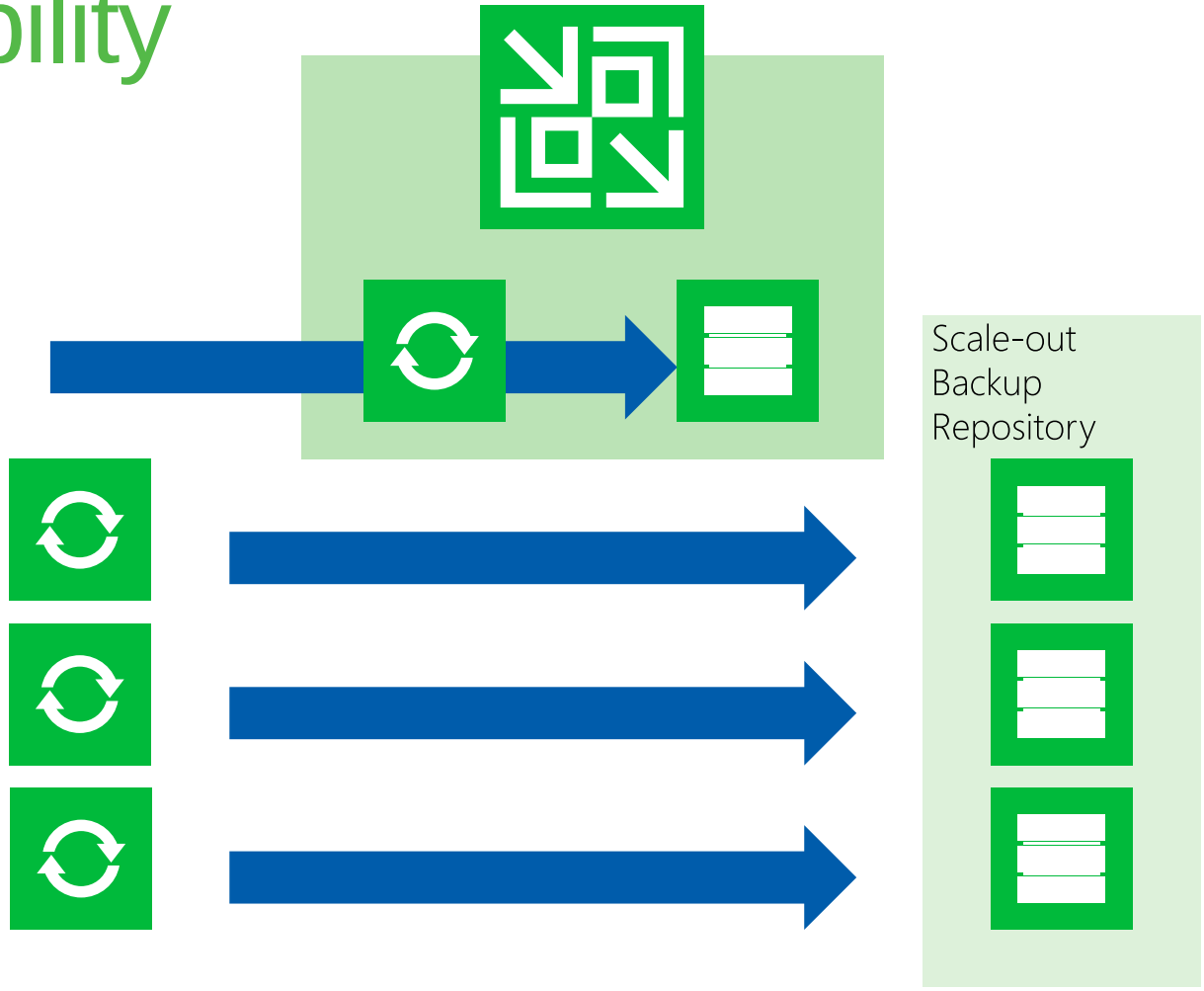
Quickly recover individual mailbox items with best-of-breed granularity

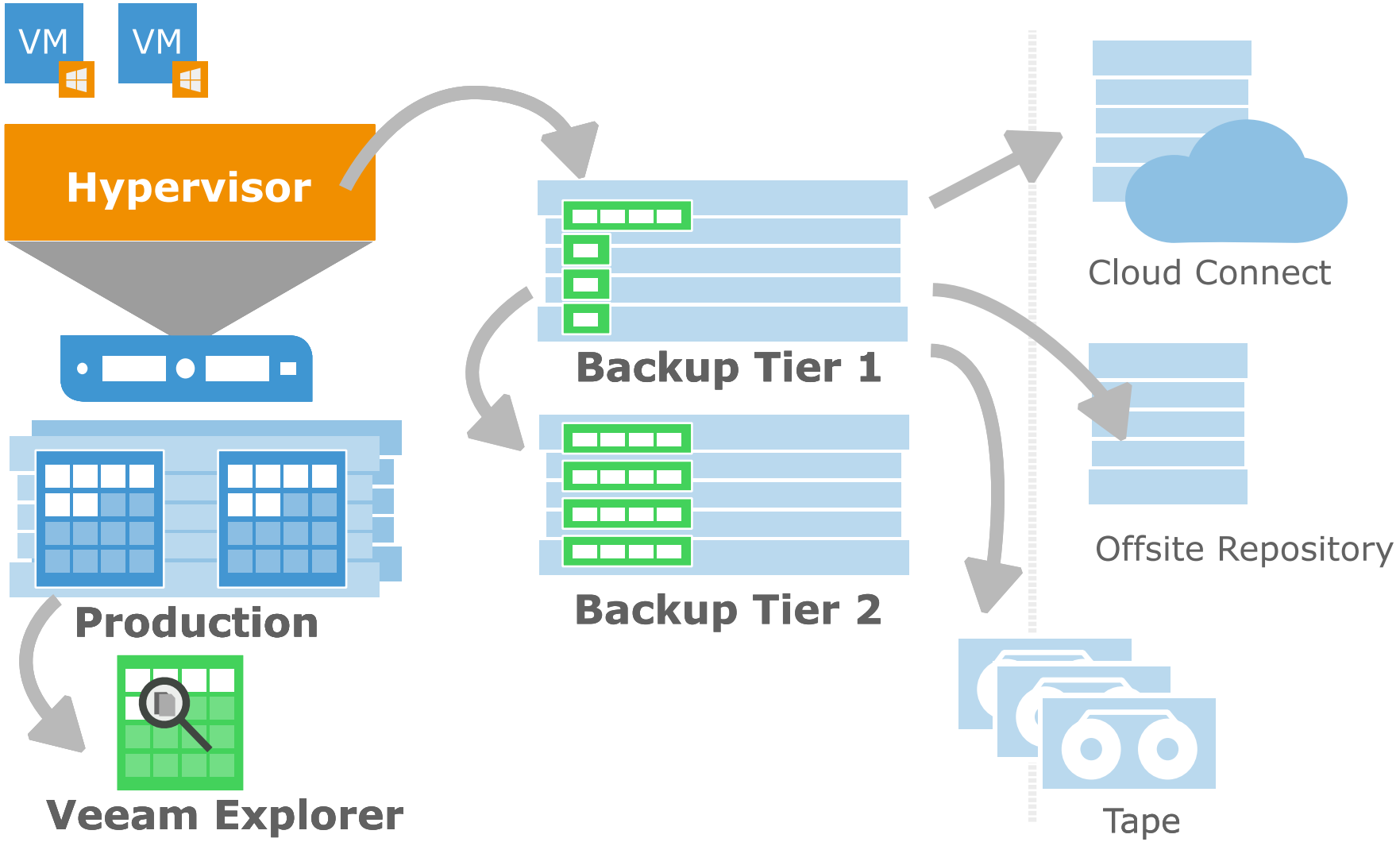


©2016 Veeam Software

Storing your backups

Scalability




VM
VM
Hypervisor
Production
Veeam Explorer
Backup Tier 1
Backup Tier 2
Cloud Connect
Offsite Repository
Tape

ReFS v3 Integration (VBR 9.5!)

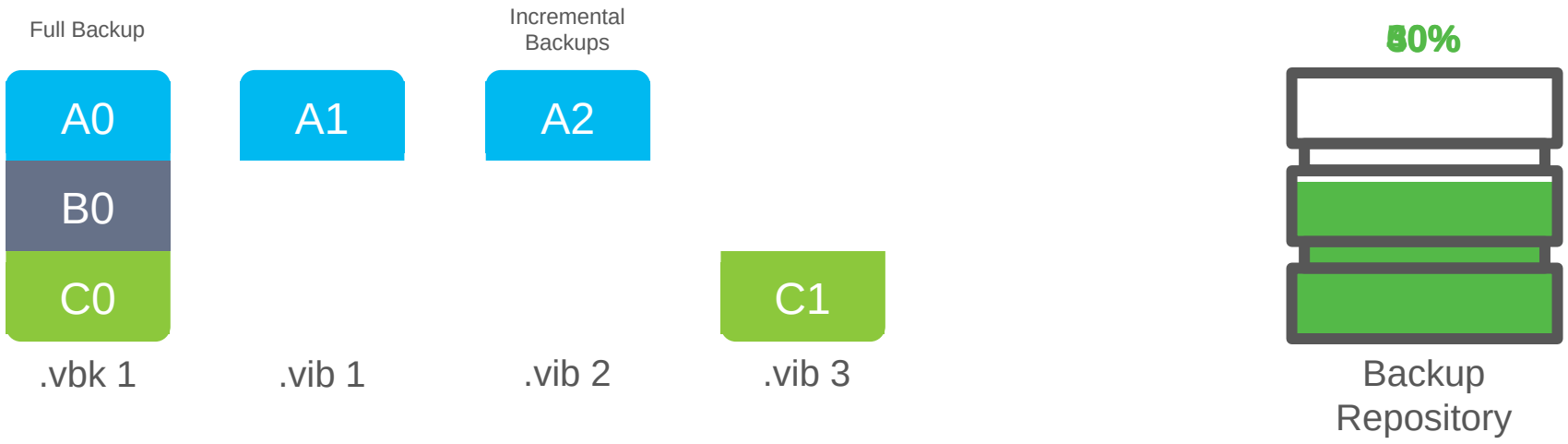
NEW Fast cloning technology enables up to 10x faster creation and transformation of synthetic full backup files, all without physically moving data blocks between files, for even shorter back windows and lower backup storage load

NEW Spaceless full backup technology allows multiple full backup files residing on the same ReFS volume to share the same physical data blocks, resulting in reduced backup storage capacity consumption that rivals that of a deduplication appliance

NEW Data integrity streams integration leverages ReFS data integrity scanner and proactive error correction from Storage Spaces to protect backup files from silent corruption for more reliable forever-incremental archiving

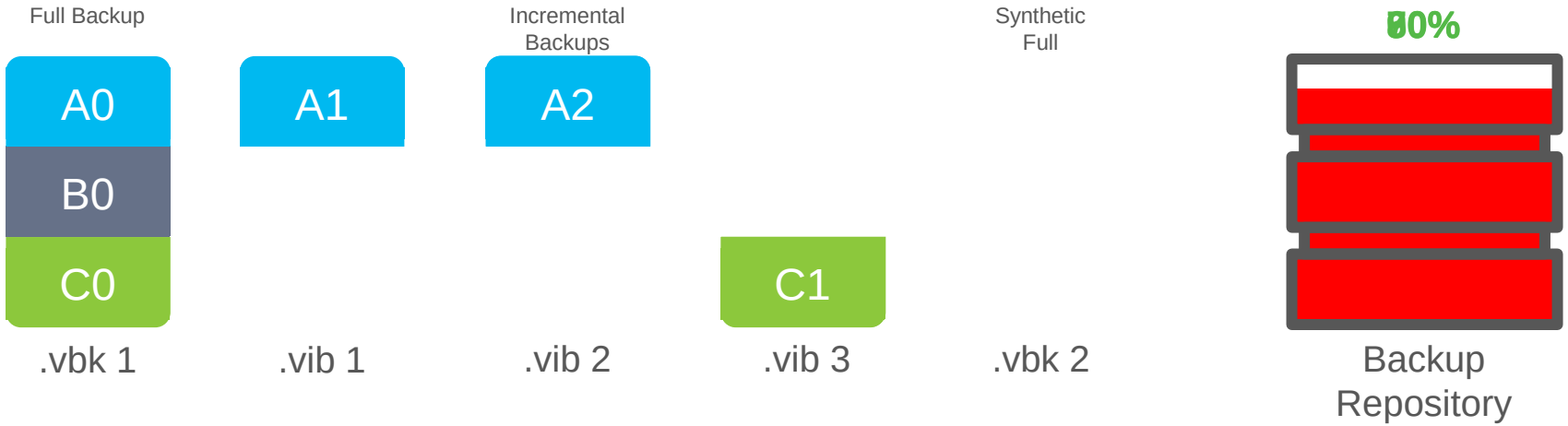
©2016 Veeam Software

Incremental Backup



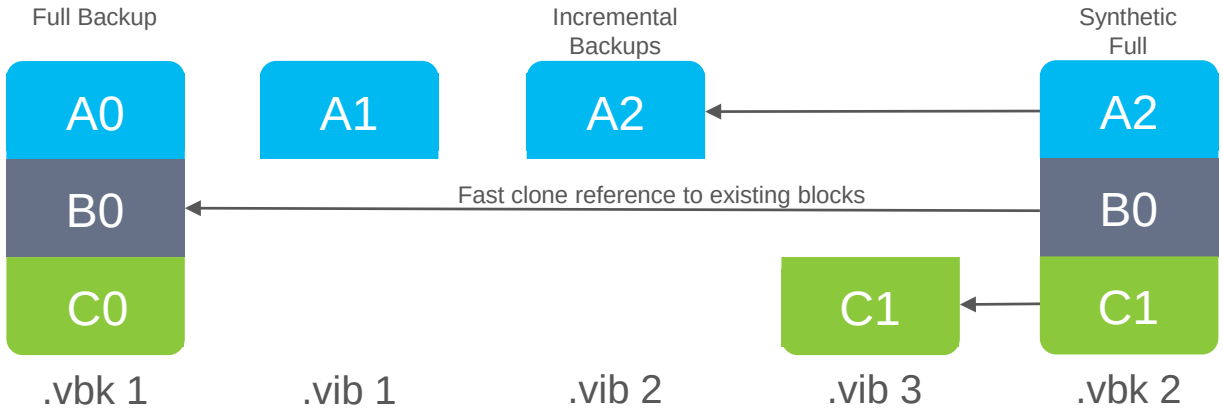
©2016 Veeam Software

Synthetic Full Backup (Legacy)



©2016 Veeam Software

Synthetic Full Backup (ReFS)

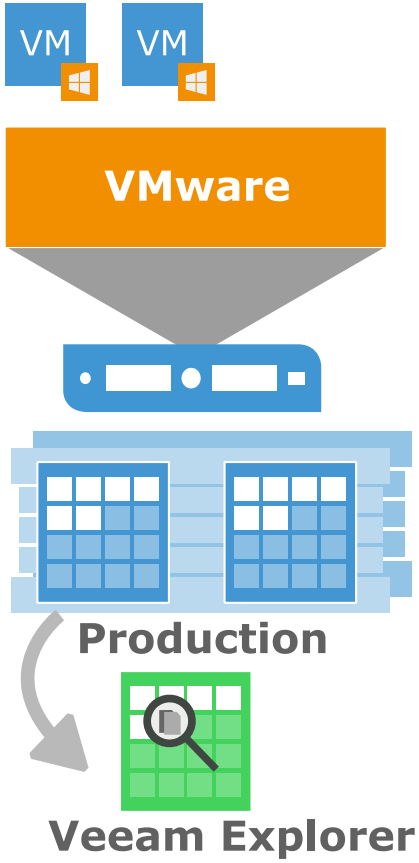


©2016 Veeam Software

Veeam Explorer For Storage Snapshots

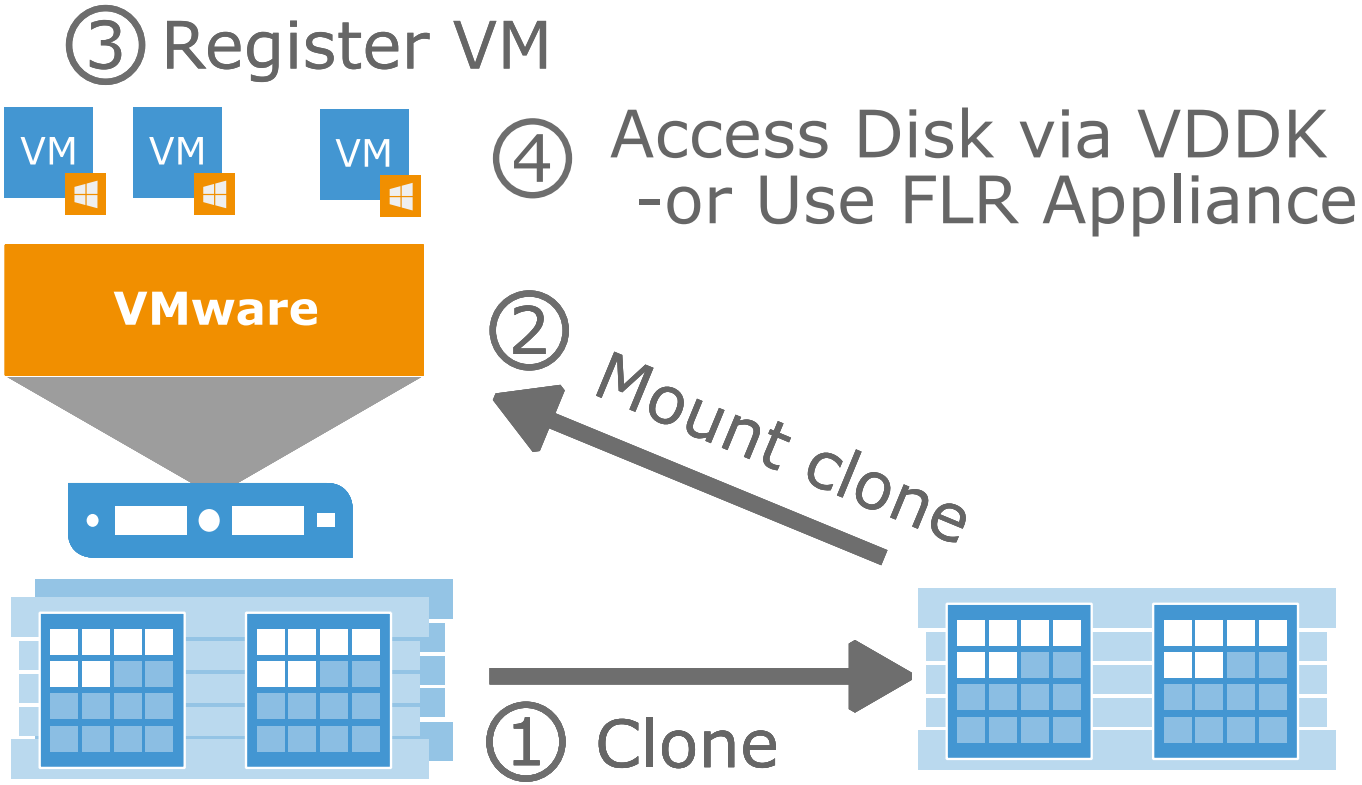
Multiple recovery options from 1 view!

- Full VM (array based)
- Guest Files
- Exchange Items
- SharePoint Items
- Active Directory Objects
- SQL Server Databases
- Oracle Databases



©2016 Veeam Software

How it works



©2016 Veeam Software

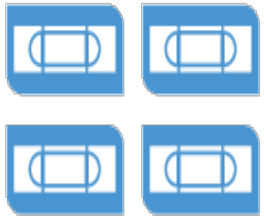
Tape Support

- Supports standalone drives, tape libraries, and virtual tape libraries
- Track specific VMs and restore points on tape – not just backup files – for fully integrated restores
- Backup regular files from Windows and Linux servers to tape for FREE!

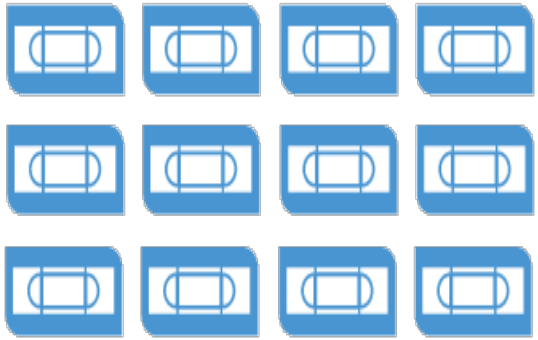
Tape GFS Support

Reduced tape consumption with long retention policies

Weekly



Monthly



Yearly

4 years =
19 tapes

But if you are tired of tape

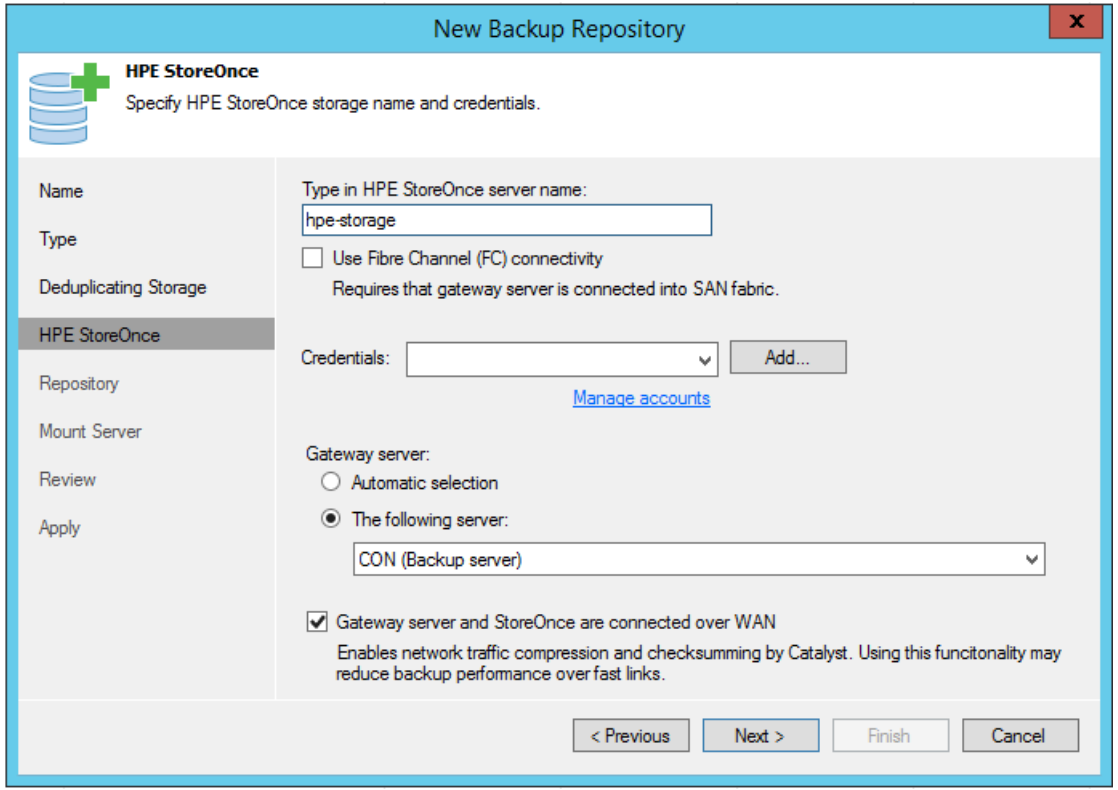
Deduplication Device

Integrated device

EMC Data Domain DDBoost

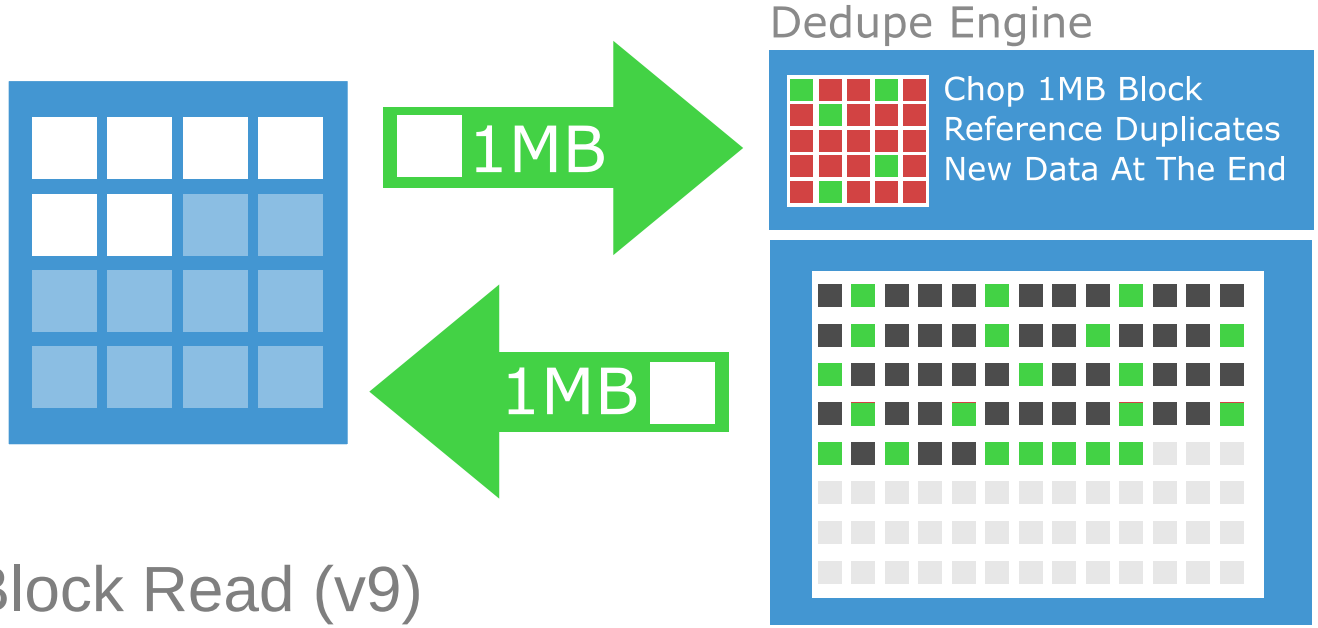
HP StoreOnce Catalyst

Exagrid



©2016 Veeam Software

Why not directly to dedupe



Partial Block Read (v9)
Parallel Disk Restore (v9.5)

©2016 Veeam Software

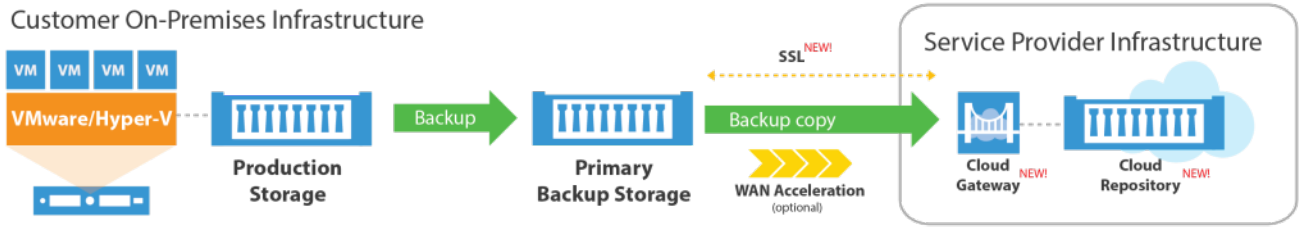
Cloud Connect

Fast and secure backup to and restore from the cloud

This feature has two audiences:

For Veeam customers: The easy, efficient way to get backups offsite to a service provider

For service providers: An easy way to host offsite backups for Veeam customers



©2016 Veeam Software

Thank you

VEEAM
IT JUST WORKS!