

DEFINING DATACENTER
AVAILABILITY

Availability Suite™

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Agenda

Introduction to Availability

Veeam Availability Suite v9

Veeam is built for virtualization

80+ awards
34,500+ ProPartners
168,000+ customers
10 million VMs protected



Veeam is built for virtualization

Founded in 2006,
Global company - HQ in Switzerland,
1,950 employees,
168,000+ customers
70% of Fortune 500 use Veeam

Enabling Always-On Business™
by providing solutions that deliver
Availability for the Modern Data Center™

AVAILABILITY FOR THE **Modern Datacenter**



VEEAM
Backup &
Replication



VEEAM
ONE



VEEAM
Management
Pack

Let's talk about Availability



Ditch your
BACKUP



Upgrade to
AVAILABILITY

Veeam Availability

protection for the Always-On Business



**High-Speed
Recovery**



**Data Loss
Avoidance**



**Verified
Protection**



**Leveraged
Data**



**Complete
Visibility**

Bridging the Availability Gap

- ✓ Access all data and applications any time
- ✓ Zero tolerance for data loss
- ✓ RTPO < 15 minutes

Racing to v9

Feature announcements



NEW Veeam Availability Suite **v9** feature announcements:

May 2015	June	July	August	September	October	November 2015
Veeam integration with EMC	Veeam Cloud Connect – now with replication	Primary Storage Integration	Oracle and other explorer enhancements	Enterprise Enhancements	Backup Storage Integration	Scale-out Backup Repository
Backup from Storage Snapshots	Veeam Cloud Connect Replication	Direct NFS Access	Veeam Explorer <i>for Oracle</i>	ROBO Enhancements	HP StoreOnce Catalyst support	Scale-out Backup Repository
Veeam Explorer™ for Storage Snapshots		On-Demand Sandbox for Storage Snapshots	Veeam Explorer <i>for Microsoft Active Directory, Exchange, SharePoint and SQL Server</i>	Standalone Console	EMC Data Domain Boost enhancements	
		Backup for NetApp SnapMirror and SnapVault		Advanced Tape Support	High-performance backups from ANY deduplication appliance	



How Restore Works?

1

Find the backup copy

Minutes

2

Copy data from backup to production

Hours

3

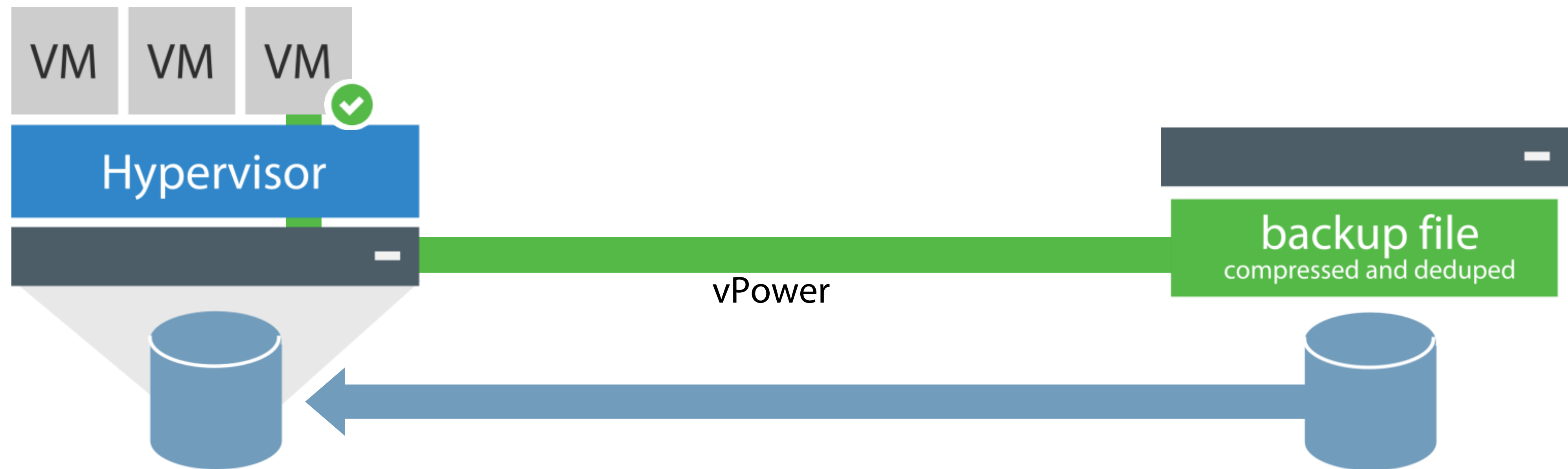
Restart

Minutes



Instant Recovery

How it works





What's New in v9

High Speed Recovery features in Backup & Replication

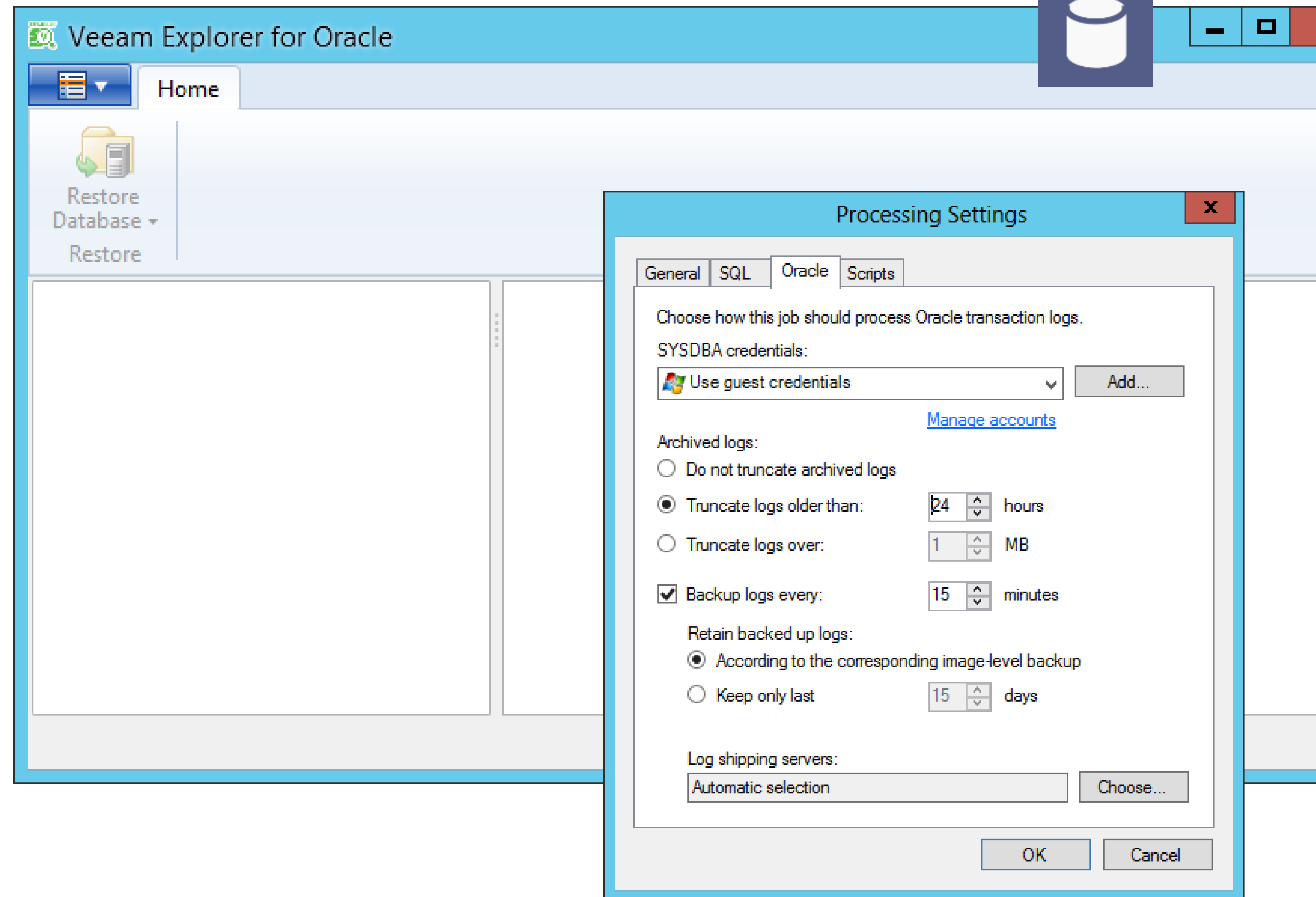
Veeam Explorers

- **Veeam Explorer for Exchange:** Detailed reporting allows you to review exactly what was exported, from where, and with what search criteria.
- **Veeam Explorer for Active Directory:** Restore support for DNS records, Group Policy Objects (GPO) and configuration partition objects.
- **Veeam Explorer for SharePoint:** Full-site and site collection restores for SharePoint.
- **Veeam Explorer for SQL:** Table-level restore for SQL databases.
- **Veeam Explorer for Oracle**

Explorer for Oracle

instant recovery of Oracle databases

- Browse and restore Oracle databases to specific points in time via archive log replay (Linux and Windows).
- Support for Oracle Automatic Storage Management.
- Built-in agentless archive log shipping for low RPO Oracle protection.
- RMAN plugin allowing Veeam to receive logs from anywhere in your infrastructure (physical included).



Explorer for Storage Snapshots

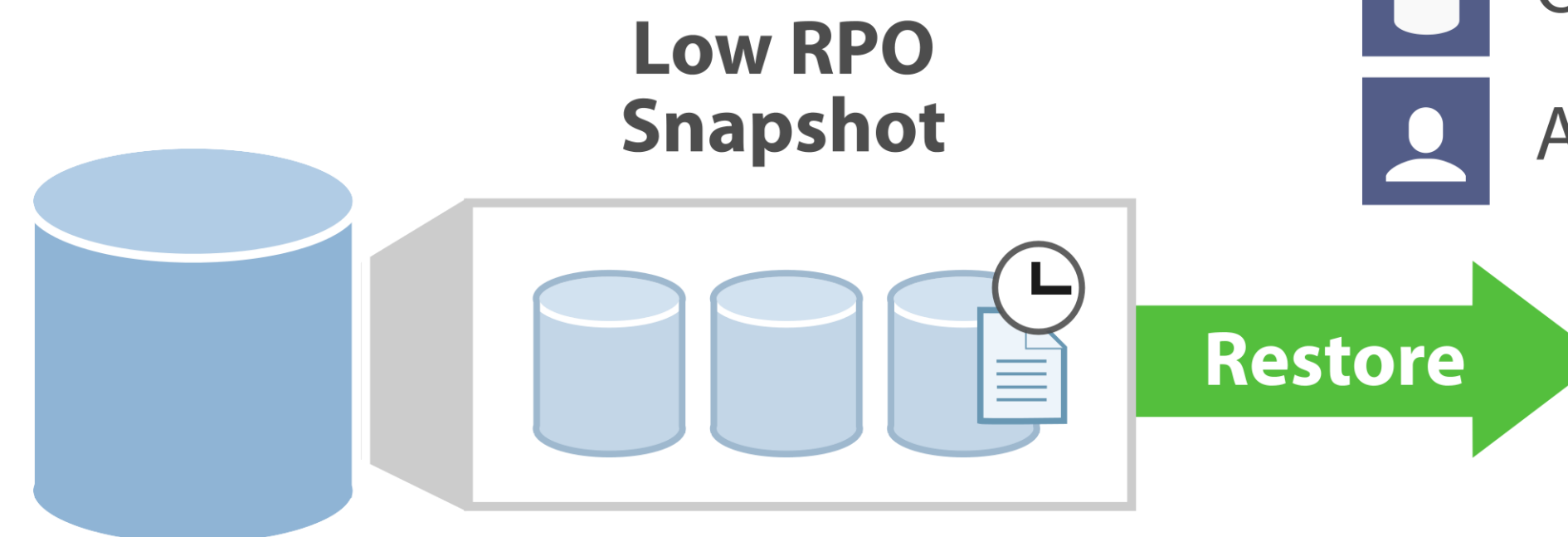
speed up restore from storage snapshots for VMware







- Fast restore from storage snapshots, including:
Instant VM recovery, guest file restore,
application-items for Exchange, Sharepoint,
SQL, and AD.

+ NetApp specific functionality **New**

Eliminate backup load on production storage by retrieving VM data directly from SnapMirror or SnapVault.

+ On-Demand Sandbox for Storage Snapshots **New**



- VM** Full VM (array based)
-  Guest Files (19 file systems)
-  Exchange Items
-  SharePoint Items
-  SQL DBs and Tables
-  Oracle DBs
-  Active Directory Objects

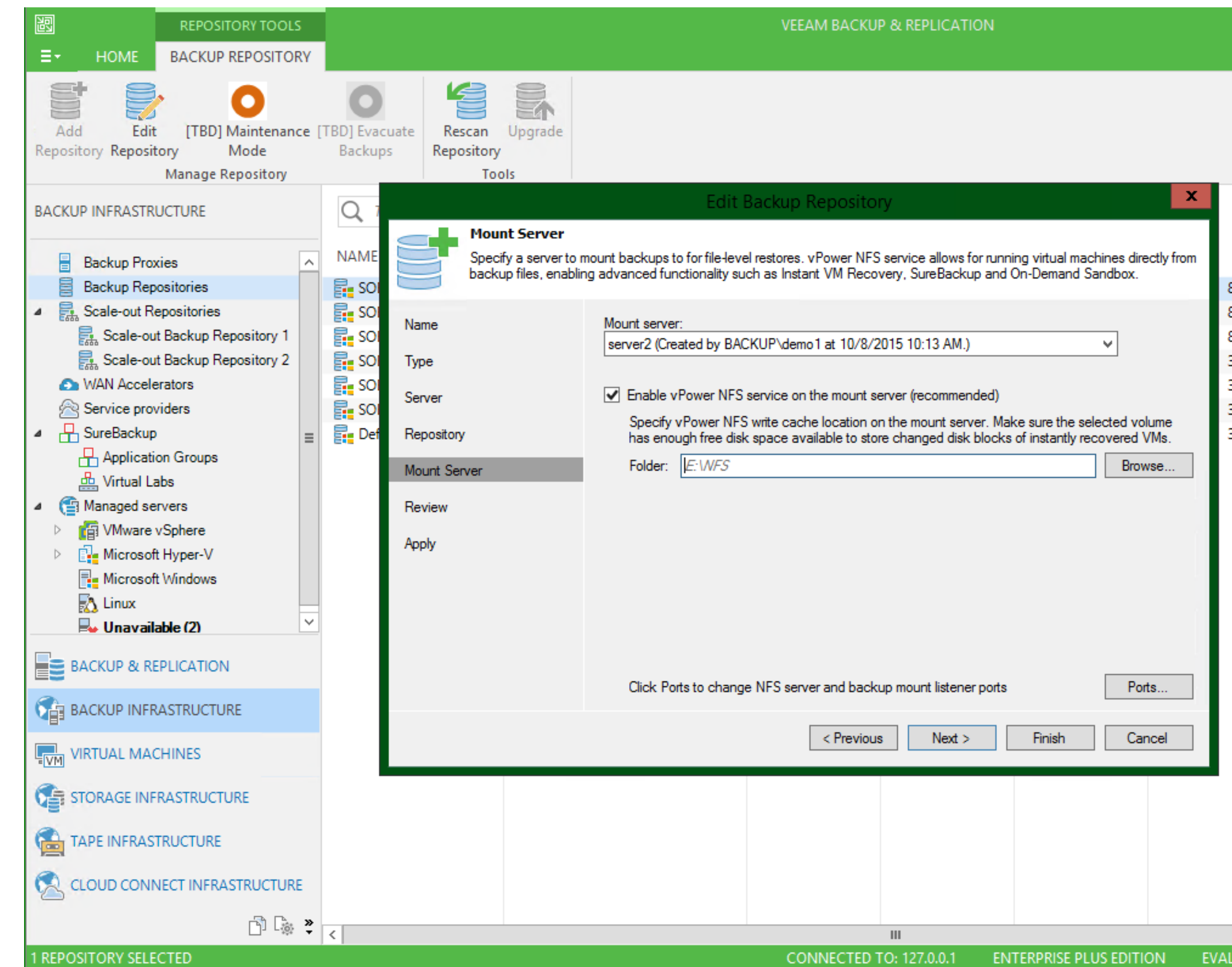


What's New in v9

High Speed Recovery features in Backup & Replication

ROBO Enhancements

- **Remote staging server** for Veeam Explorer for SQL and SharePoint
- **Remote mount host** to allow improved recovery times and reduced WAN traffic consumption for remote and branch office sites.
- **Standalone console** providing management flexibility allowing users to manage VBR remotely without requiring an RDP session.
- **Direct NFS Access:** Speed up data processing and reduce impact on your virtual environment by backing up directly from file-based (NFS) primary storage using Veeam's proprietary NFS client.





What's New in v9

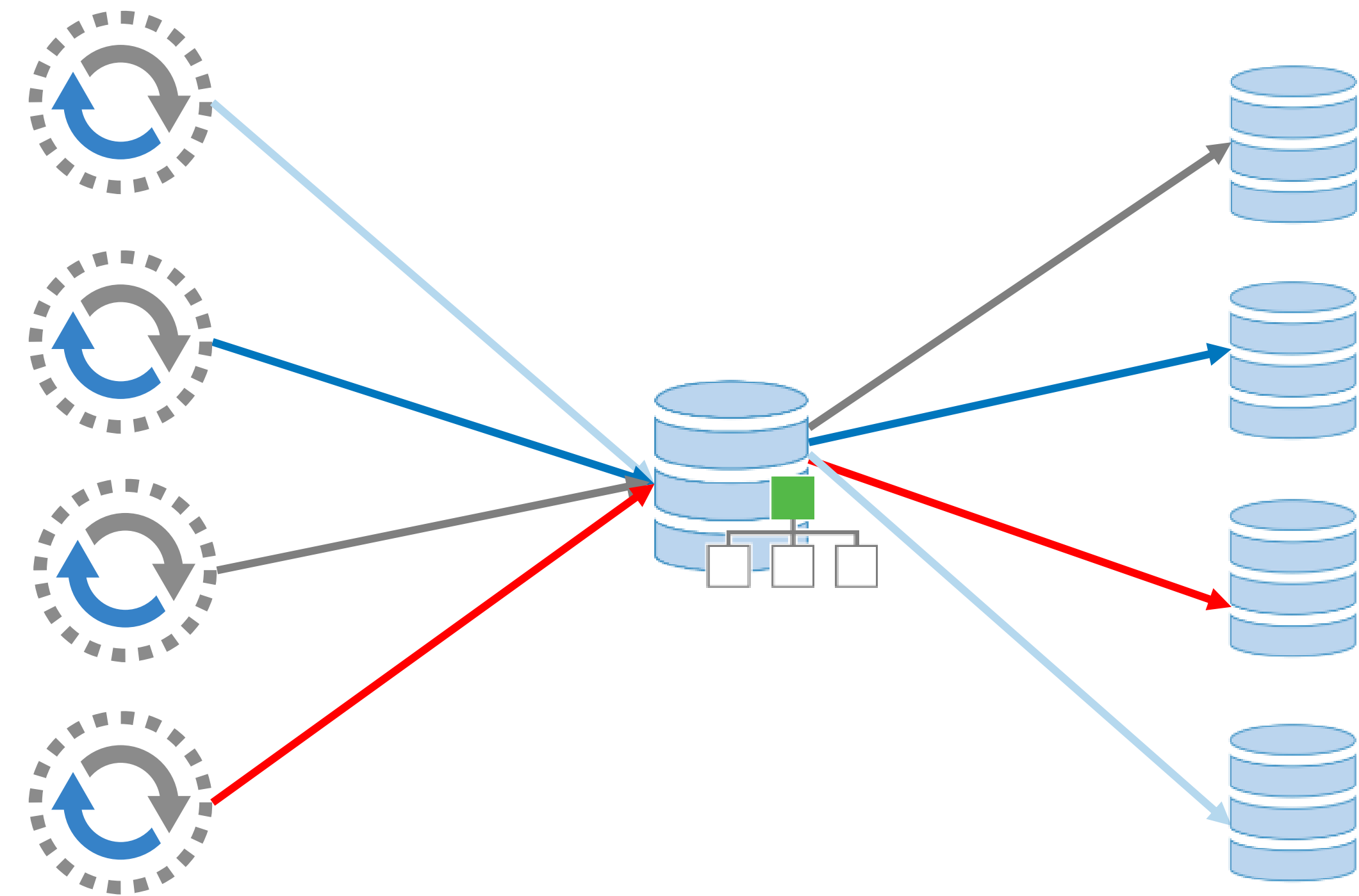
Data Loss Prevention features in Backup & Replication

Scale Out Backup Repository

A scale-out repository groups multiple “simple” repositories into a single entity which will then be used as a target for any backup and backup copy job operation.

Automates data placement:

- By data locality
- Performance



Scale Out Backup Repository

Setting up

New Scale-out Backup Repository

Policy

Choose a backup files placement policy for this scale-out repository. When more than one backup job will choose extent with the most free disk space available.

Data locality
All dependent backup files are placed on the same extent. For files will be stored together with the corresponding full backup backup can be created on another extent (except extents back

Performance
All dependent incremental backup files are placed on a different backup file, providing for better backup file transformation performance. Note that losing an extent with a full backup makes restoring files from that extent impossible.
Click Advanced to specify designated extents for full or incremental backup.

Advanced Settings

☒ **Use per-VM backup files (recommended)**
Per-VM backup files improve performance and requirements by allowing for better utilization of out repository extents due to a much smaller size.

☐ **Perform full backup when required extent is full**
When a repository extent with the previous backup job will perform an active full backup instead of incremental. Scale-out repository must be sized appropriately.

Click Advanced to modify additional scale-out backup repository options.

Backup Placement Settings

Extents:

Name	Allowed backups
Backup Repository 2	All backups
Backup Repository 3	All backups

OK Cancel

Extent Settings

Extent:
Backup Repository 2

Allowed backup files:

☐ Full backup files

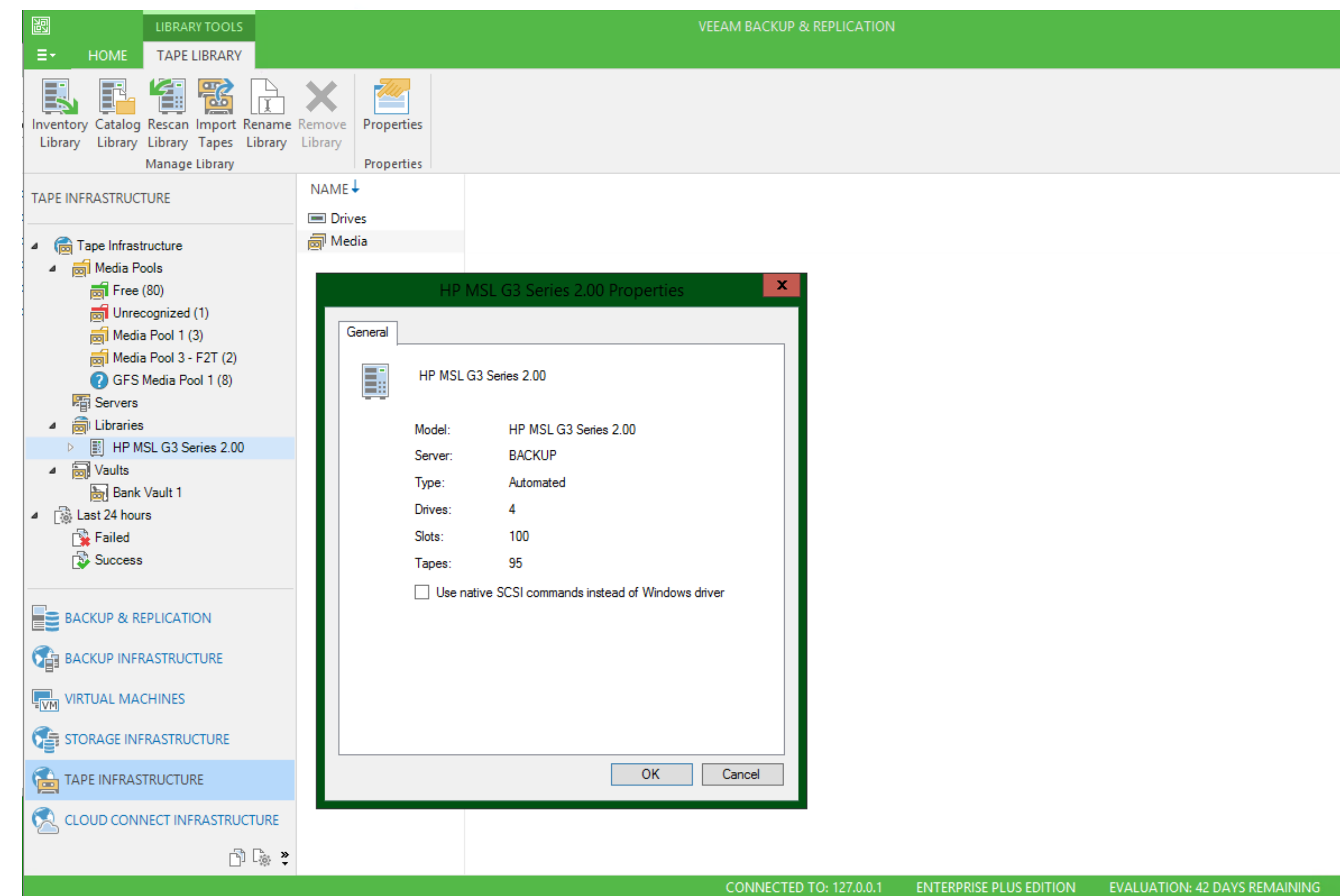
☒ Incremental backup files

OK Cancel

Advanced Tape Support

multi-stream job data to GFS tape pools

- Significant tape support improvements making it simpler to manage large scale deployments, with multi-streaming and built in tape GFS (grandfather, father, son) retention management
- Support for tape devices without native Microsoft Windows Drivers - Failover to native SCSI commands



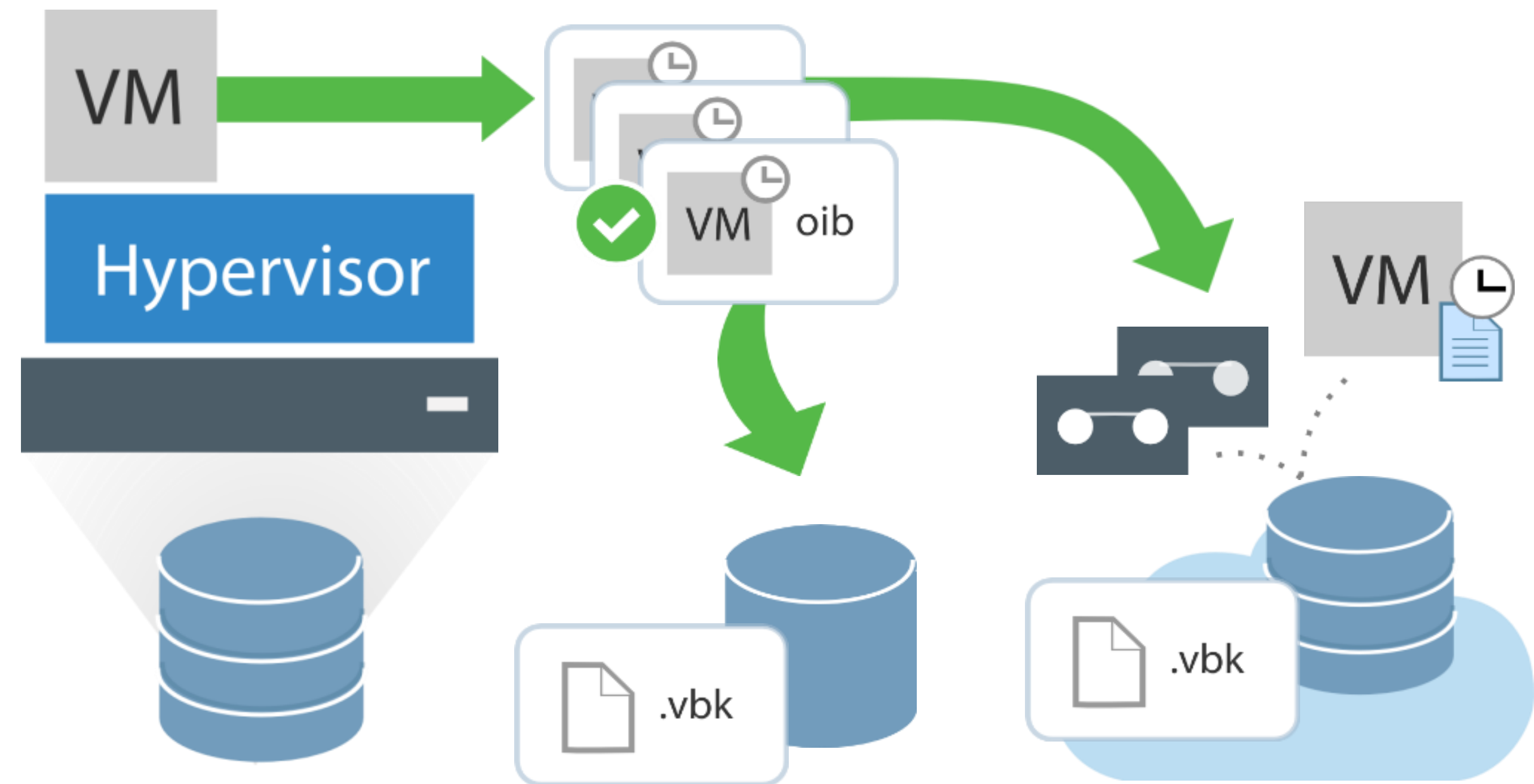


3-2-1 Rule

avoiding recovery failure

Backup specialists agree that in order to ensure recoverability you need:

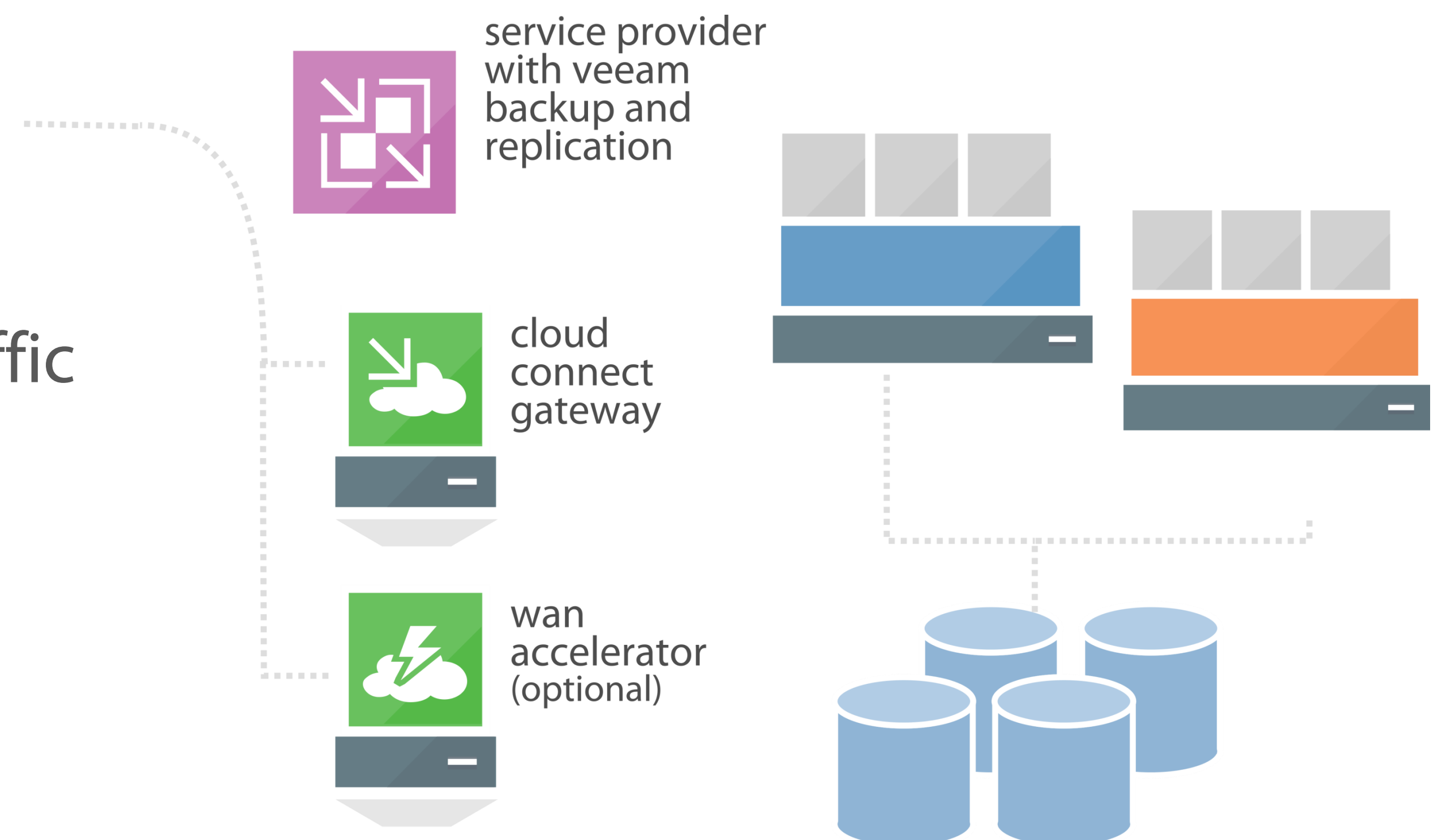
- **3 copies of your data**
- Store this data using at least **2 different media types**
- Store at least **1 copy offsite**
- Allow for **“0 errors”** by using automatic recovery verification using SureBackup and SureReplica



Cloud Connect Replication

partial or complete failover to a service provider cloud

- Simple and powerful availability for any workload; VM replication, failover and failback to and from a cloud provider site.
- Send VMs to cloud hosts with allocated resources (RAM, CPU, network and storage).
- Optimized replication traffic using WAN Acceleration. No VPN required, encrypted traffic sent over a single port using SSL.
- Battle-tested solution, based on the same infrastructure as Cloud Connect Backup in v8, with a large service provider ecosystem.



Veeam Availability Suite v9

Register for more go.veeam.com/v9

