

What's new

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http://teeam.eu











Veeam **One**

Veeam

Management Pack

Veeam

Availability Suite

Veeam

Backup &

Replication

Agenda

- 9.5 What's new
- Veeam Agent for Windows
- Veeam Agent for Linux
- Veeam Availability Console
- Veeam Backup for Office 365
- Veeam Orchestrator

V9.5 What's New



Enterprise Scalability

NEW Backup acceleration technologies that double I/O performance and shorten backup windows by up to five times – all while reducing load on primary storage, backup storage and vCenter Servers

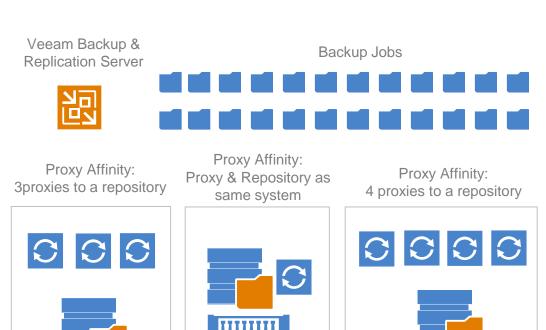
NEW Full VM restore acceleration technologies with custom-tailored logic for raw disk, deduplicating storage and tape, improving VM restore performance by several times

NEW Processing engine enhancements to scale for the largest environments and achieve efficient processing of jobs containing thousands of VMs or millions of files

Proxy Affinity Rules

Proxy affinity rules:

Tie backup proxies to simple backup repositories and Scaleout Backup Repository extents



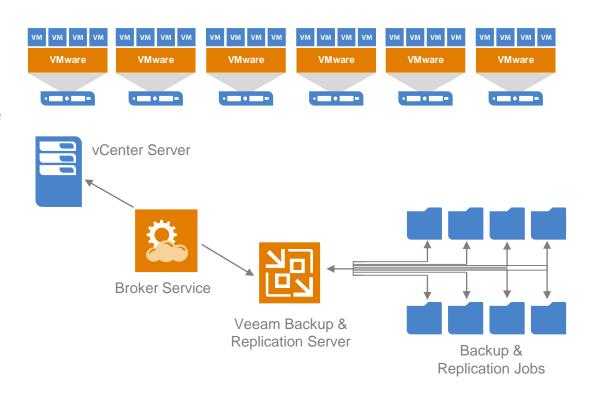
Repository 2

Repository 3

Repository 1

Enterprise Scalability

Broker Service
collects and caches
vSphere infrastructure
topology in RAM for
access at memory
speed





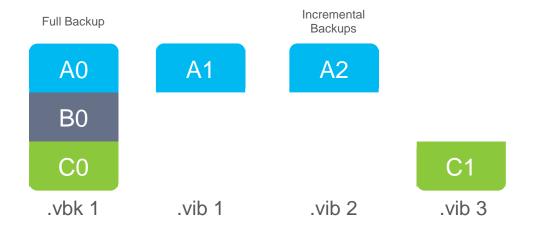
Advanced ReFS Integration

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

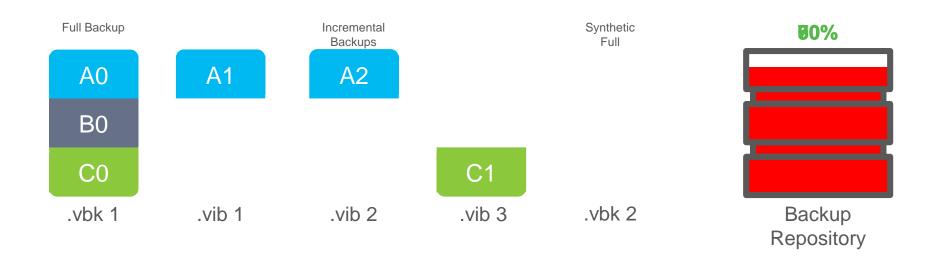
NEW Data integrity streams integration leverages ReFS data integrity scanner and proactive error correction from Storage Spaces to protect backup files from silent corruption for more reliable forever-incremental archiving

Incremental Backup

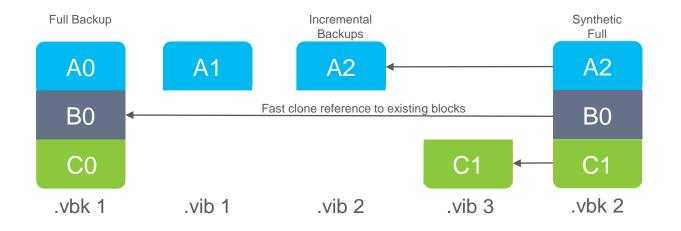




Synthetic Full Backup (Legacy)



Synthetic Full Backup (ReFS)





Initial tests

NTFS -- Forward Incremental Average time to backup all 7 VMs/day: ~11min (worst case was ~20 min) Average merge time/day: ~24min (worse case was ~44 min) Average total time/day: ~35min

NTFS -- Reverse Incremental Average time to backup all 7 VMs/day: ~45min (worst case was ~70 min)

ReFS -- Forward Incremental Average time to backup all 7 VMs/day: ~11min (worst case was ~20 min) Average merge time/day: ~2m: (worse case was ~3 min) Average total time/day: ~13min

ReFS -- Reverse Incremental Average time to backup all 7 VMs/day: ~13min (worst case was ~20 min)



Hyper-V 2016

These updates require your VMs be running the new virtual VM hardware version

Hyper-V hosts installed on Nano Server

Includes support for Storage Spaces Direct to deploy Microsoft's recommended Hyper-V 2016 architecture to

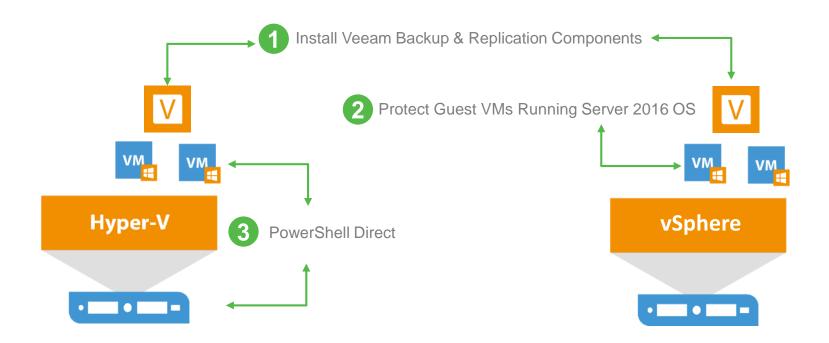
Reduce data center footprints

Hyper-V's NEW Resilient Change Tracking (RCT)

Reduces complexity by eliminating the additional filter driver in parent partition for changed block tracking for:

- Backups
- Replicas
- Restores

Windows Server 2016 Platform



NEW Veeam Availability Suite 9.5

Integration with 2016 Microsoft enterprise applications

Application-aware processing for:





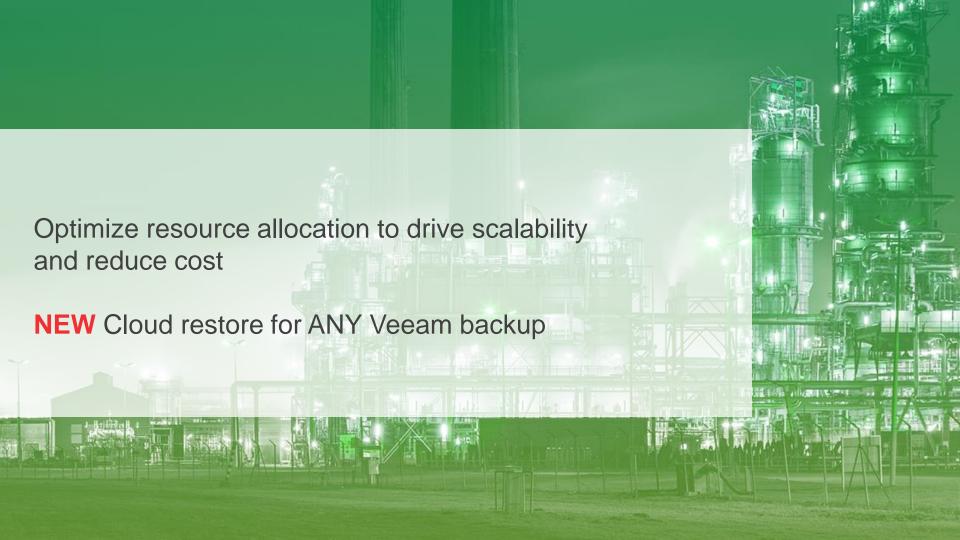
Microsoft Exchange



Microsoft SQL Server



Application item-level recovery through Veeam Explorers™ Ensuring High-Speed Recovery through fast RTO's of <15 minutes



Direct Restore to Microsoft Azure

Take on-premises workloads and restore or migrate them to Microsoft Azure. With Direct Restore to Microsoft Azure you can:

- Quickly restore Windows- and Linux-based VMs, physical servers or endpoints to Azure to minimize business disruption
- Execute planned workload migrations from on-site to the cloud to reduce onsite resource constraints
- Easily create an Azure-based test environment for testing backup reliability, as well as patches and critical updates to mitigate risks associated with application deployment

Direct Restore to Microsoft Azure

Quickly restore Windows- and Linux-based VMs, physical servers or endpoints to Azure to minimize business disruption

Execute planned workload migrations from on-site to the cloud to reduce on-site resource constraints

Easily create an Azure-based test environment for testing backup reliability, as well as patches and critical updates to mitigate risks associated with application deployment



NEW Veeam Agents

Availability for ALL your workloads

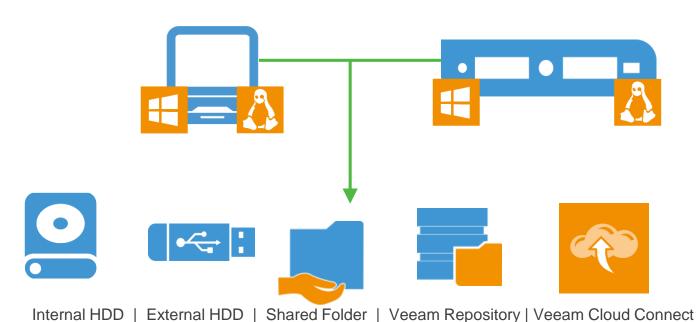
NEW Veeam Windows and Linux agents deliver Availability to public cloud workloads, as well as physical endpoints, workstations and servers:

- Avoid downtime and data loss
- Enable workload mobility by allowing workloads to move from on-premises to the cloud
- Streamline operations with one trusted solution for virtual, physical and cloud



Veeam Agents

Protect servers and workstations on-premises and in the cloud

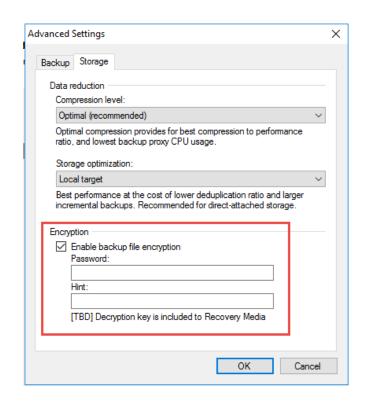


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Free Edition

NEW in v2:

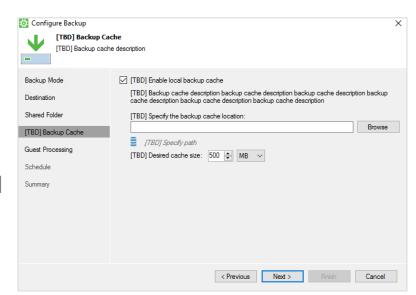
- Instant Recovery to Hyper-V VM
- Direct Restore to Microsoft Azure
- Source-side encryption
- Flexible backup modes



NEW Workstation Edition

Free Edition, plus...

- 24.7.365 technical support
- Remote configuration and management API
- Endpoint protection for mobile users
- Back up directly to Veeam Cloud Connect repository

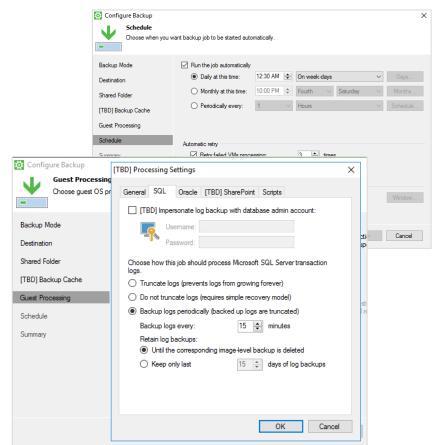


NEW Server Edition

Workstation Edition, plus...

FULL server support!

- Application-aware processing
- Transaction log backup
- Guest file system indexing and catalog search



	Free	Workstation	Server
Instant Recovery to Microsoft Hyper-V VM	•	•	•
Direct Restore to Microsoft Azure	•	•	•
Source-side encryption			
Endpoint protection for mobile users		•	•
Back up directly to Veeam Cloud Connect		•	
Remote configuration and management API		•	•
Application-aware processing			•
Transaction log backup for databases			•
Guest file indexing and search			
24.7.365 technical support		•	•

Veeam Agent for Linux

Simple and free backup agent for Linux — anywhere

- Protect entire computer, or create volume-level and file-level backups
- Built-in snapshot and change tracking drivers delivered as a dynamically loadable kernel module
- Integrated directly into Veeam Backup & Replication (backup repository, basic centralized monitoring)



Veeam Agent for Linux

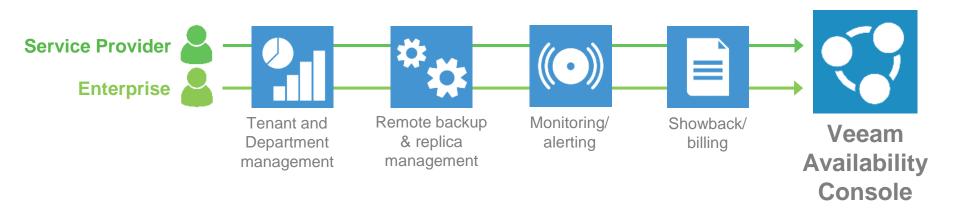
	Free	Workstation	Server
Entire computer, volume-level and file-level image-based backup	•	•	
Built-in volume snapshot and changed block tracking drivers	•	•	•
File-level, volume-level and bare metal recovery (same or different hardware)	•	•	•
Backup and recovery using console UI or command line	•	•	•
Integration with Veeam Backup & Replication	•	•	•
Support for multiple jobs			•
Pre-freeze/post-thaw snapshot scripts for application processing			•
Guest file indexing, catalog search and restore with Veeam Backup Enterprise Manager			•
24.7.365 technical support		•	

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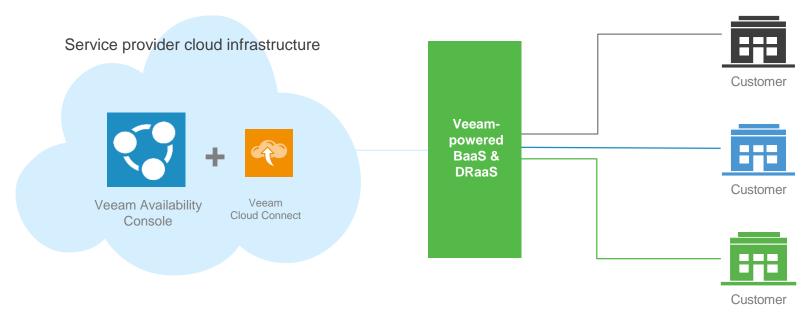
NEW Veeam Availability Console

Veeam Availability Console

Service providers and distributed enterprises share many similar challenges that impact management costs

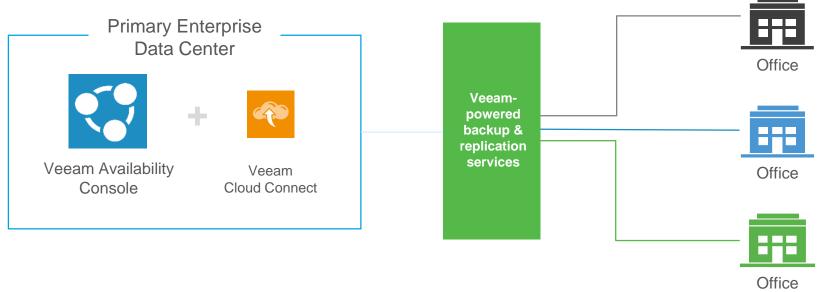


Veeam Availability Console



Allows service providers to streamline delivery of Veeam-powered BaaS and DRaaS to their customers

Veeam Availability Console



Allows enterprises to streamline delivery of Veeam-powered backup & replication services to remote offices

Microsoft Office 365 email

Veeam Backup for Microsoft Office 365



Maintain email access by securely backing up Office 365 email data back to your environment



Avoid data loss via quick recovery of individual mailbox items with best-of-breed granularity

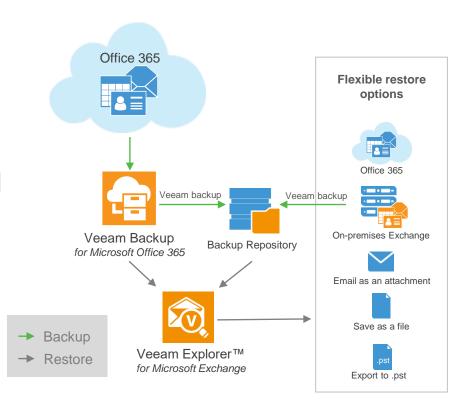


Satisfy legal & regulatory requirements with efficient eDiscovery of email archives

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





Veeam Availability Orchestrator

Veeam Availability Orchestrator



BUILD

Multi-site DR plans, role delegation, dynamically managed



TEST

Automated plan testing, application verification, detailed reporting



DOCUMENT

Template-based DR Documentation, automatically updated



Delegated access to Veeam B&R

Site-based model

- One DR Site
- Multiple Production Sites

Site Roles

- Site Administrators
- Failover Plan Authors

Granular delegation

- VM Groups
- Virtual Labs
- Other Plan components

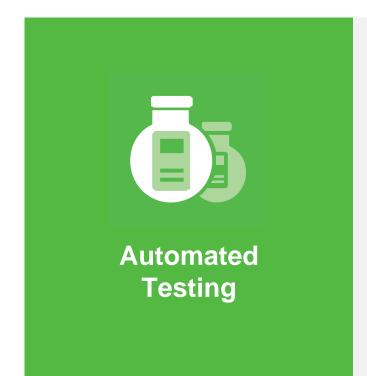


Built on Veeam Business View

 VM Groups are building blocks of Plans

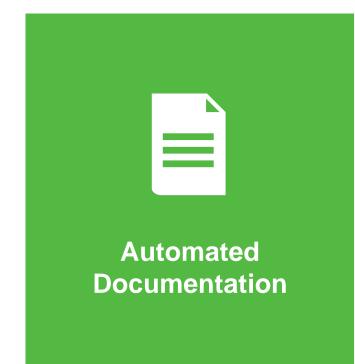
Dynamic group updates via

- Business View Rules
- vCenter Tags
- Veeam B&R Applicationawareness
- 3rd-party CMDB integration



Built on Veeam Virtual Labs

- Veeam SureReplica technology
- Delegate labs per-Site
- Build custom lab environments
- Scheduling engine
- Granular testing and verification
- Dashboards for Failover Plan readiness

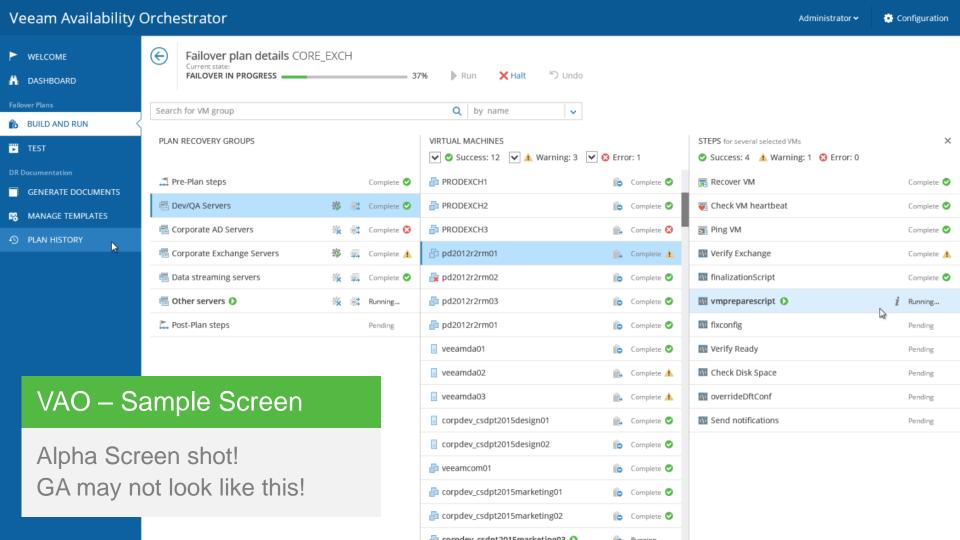


DR Template

- Fully customizable in MS Word
- Multiple Templates per-Site

DR Document

- Built from Template
 - + Plan Definition
- Automatically updates as Plan changes
- Emailed to all stakeholders
- Detailed Change Log



Thank you

