

VeeamON, what's up ?

Webinar | 18.11.21 | Benoît Henriot – Christian Bocquet

Vos interlocuteurs



Benoît Henriot

Senior System Engineer
Veeam Switzerland

benoit.henriot@veeam.com



Christian Bocquet

Solution Architect
Bechtel Suisse SA

christian.bocquet@bechtel.com

Agenda



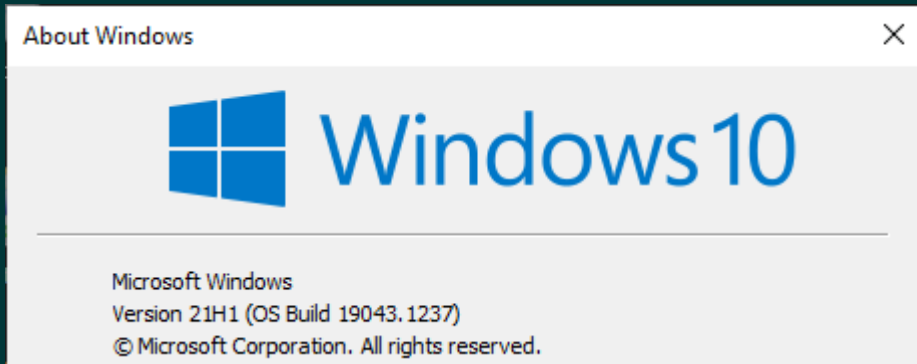
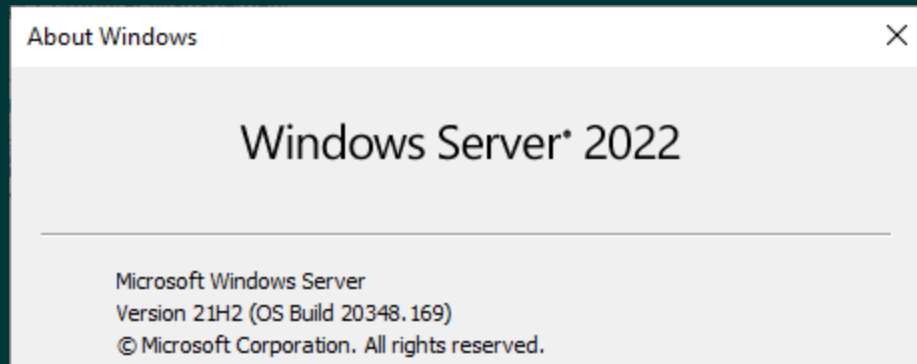
- Veeam Backup & Replication v11a
- Veeam ONE v11a
- Veeam Kasten K10 - Overview
- Veeam Backup for Microsoft 365

Veeam Backup & Replication v11a



Windows Server 2022 & 10 21H1 Support

- Only do fresh installations of repositories – upgrades currently cause performance issues
- REFS performance should be better in 2022 than in 2019 / 2016
- Hyper-V & Active Directory



VSAN: Improve Performance With More Snapshots Per Datastore

MaxSnapshotsPerDatastore

- Default: 4
- No problem with 15-30 VMs per datastore
- Problem with hundreds of VMs per datastore

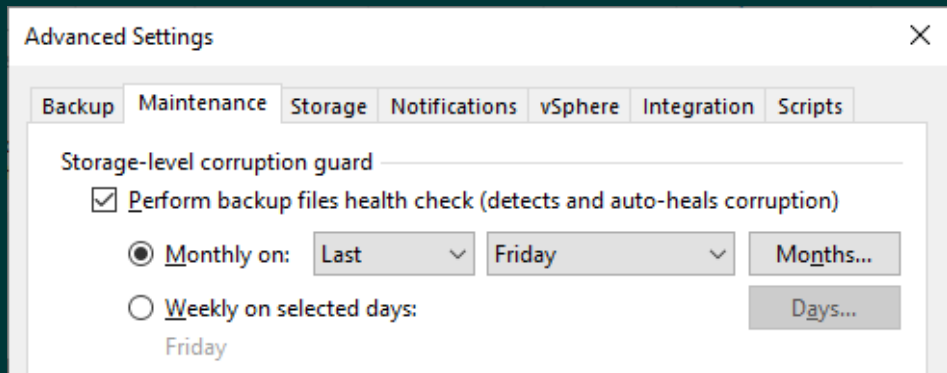
Solution: VSANMaxSnapshotsNum

- Default 32



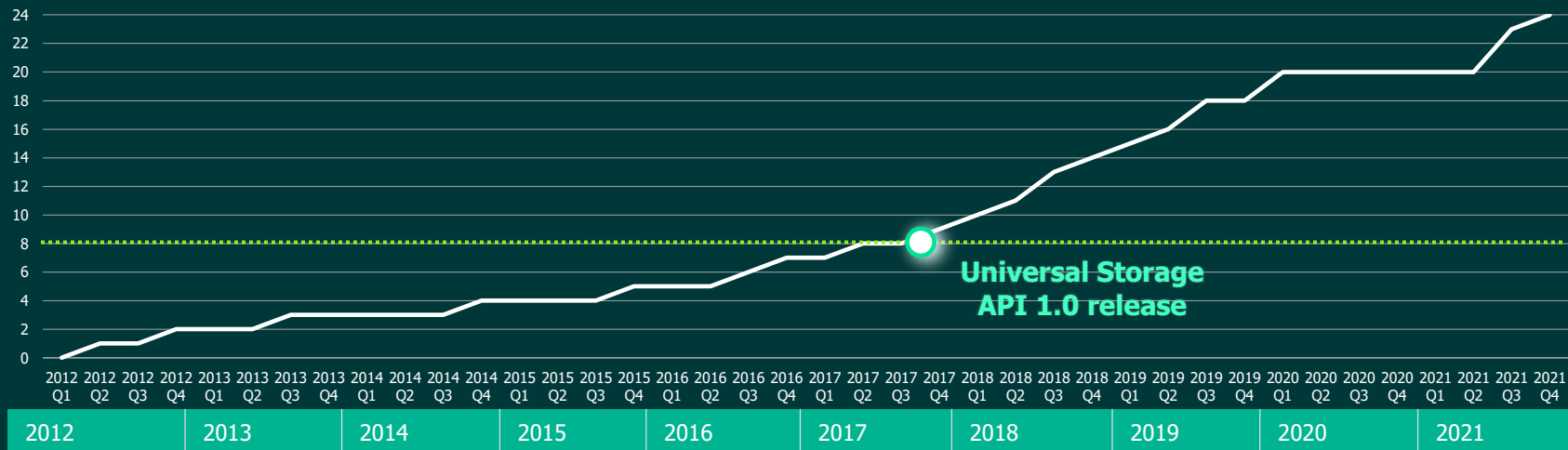
Other Improvements

- Improved health check performance
 - 5x improvement tested in lab
- SCVMM infrastructure caching service



New Storage Integrations

- Hitachi VSP E/F/G/5000
- Dell EMC PowerMax / VMAX
- Developed by Storage vendors (independent from 11a)



Veeam Backup & Replication v11a



GCP



Kubernetes



RHV (Public beta)



CDP



Veeam Agents
(WIN/AIX/SOLARIS)



Nutanix
Instant Recovery

Agents



Windows, IBM AIX and Oracle Solaris

BECHTLE



Windows support

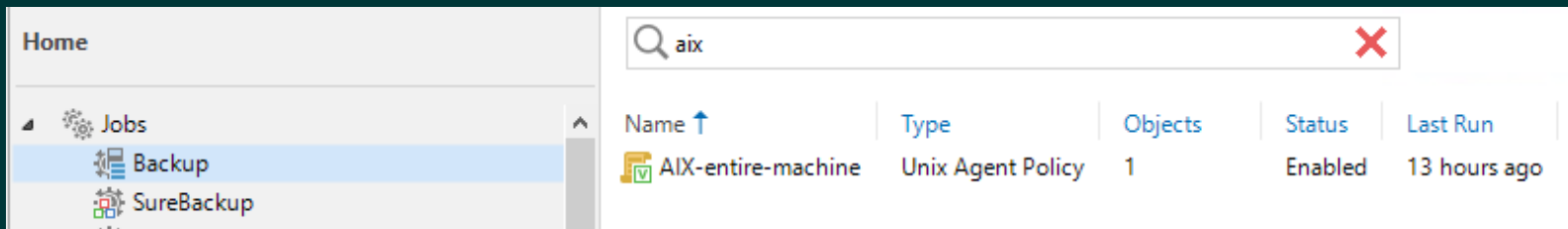
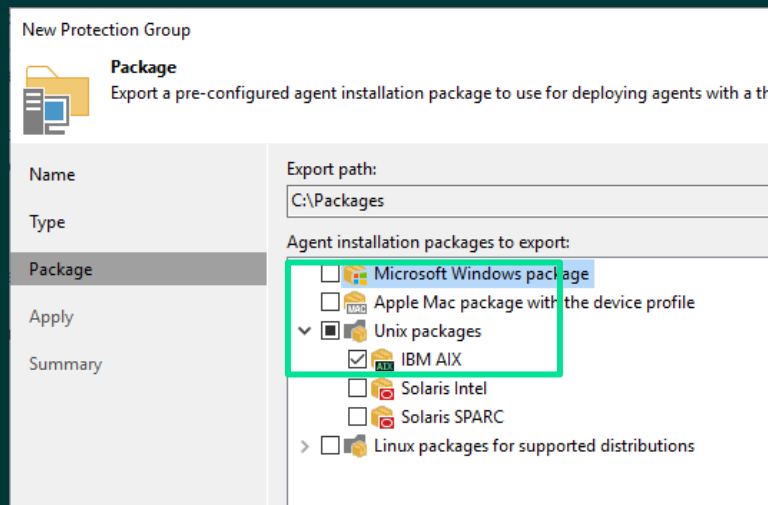
Embrace the latest versions of Microsoft's server and client operating systems with confidence that your data can be both backed up and recovered, now with support for Windows 10 version '21 H1 and Windows Server 2022.

Catch-all protection group support for IBM AIX and NEW Oracle Solaris

Avoid data loss scenarios for new IBM AIX and Oracle Solaris assets added to your data center with automated protection groups.

Manage With Protection Groups

- Manage backup jobs centrally
- Deploy via pre-installed agents protection groups



New Linux Version Support

- RHEL / CentOS 8.4
- Ubuntu 21.04
- Debian 11
- SLES 15 SP3
- OpenSUSE Leap 15.3
- Fedora 34



CDP



Continuous Data Protection (CDP)

BECHTLE



Enhanced vSAN and VVol support, allowing for even larger transaction logs

Greatly improved performance with optimized memory consumption across source and target proxy servers and reduced CPU load during initial synchronization

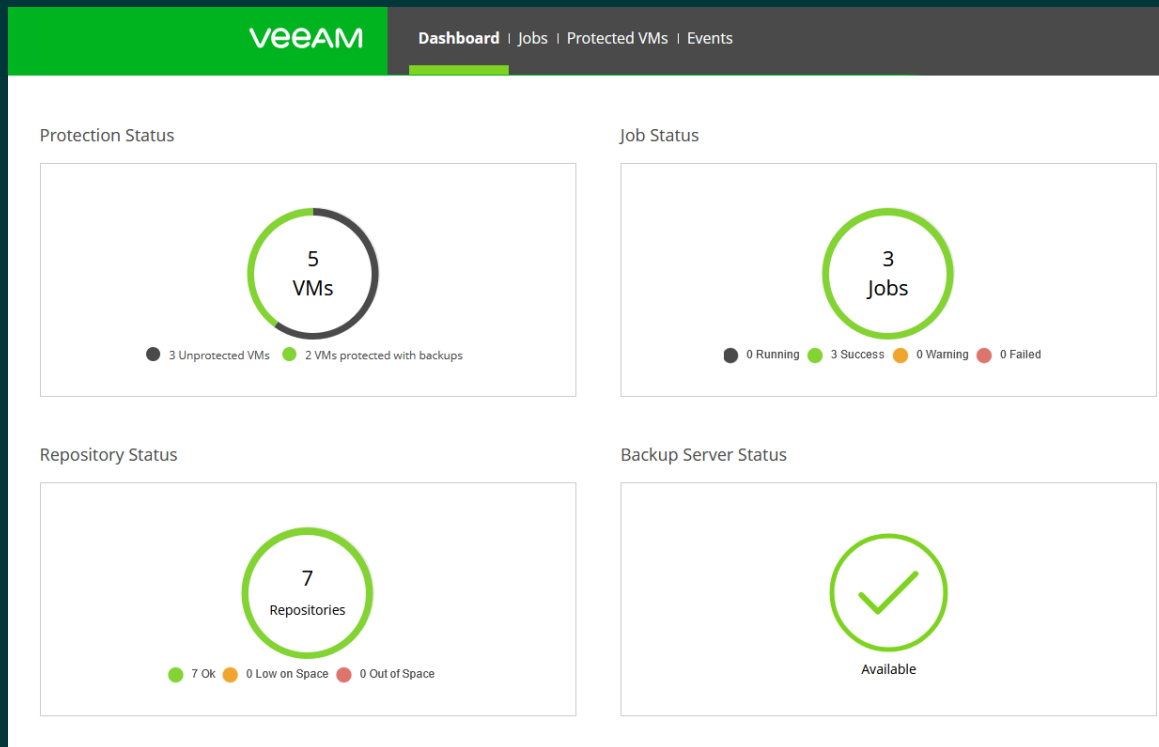
Veeam Backup For Red Hat KVM



RHV (Public beta)

Why Red Hat Virtualization Backup?

- Native VM support WO Agents
- Native change block tracking
- Expand Veeam KVM footprint



What Is Possible?

- Scheduled and on-demand agentless VM backup
- Full VM restore incl. tags
- Disk restore
- File level recovery ("copy to")
- Integration with VBR
- Restore to other hypervisors & public clouds

The screenshot displays the Veeam Backup & Replication console interface. The top navigation bar includes 'Veeam', 'Dashboard', 'Jobs', 'Protected VMs', and 'Events'. The main content area shows the 'Protected VMs (2)' section with buttons for 'Restore', 'Disk Restore', and 'Delete'.

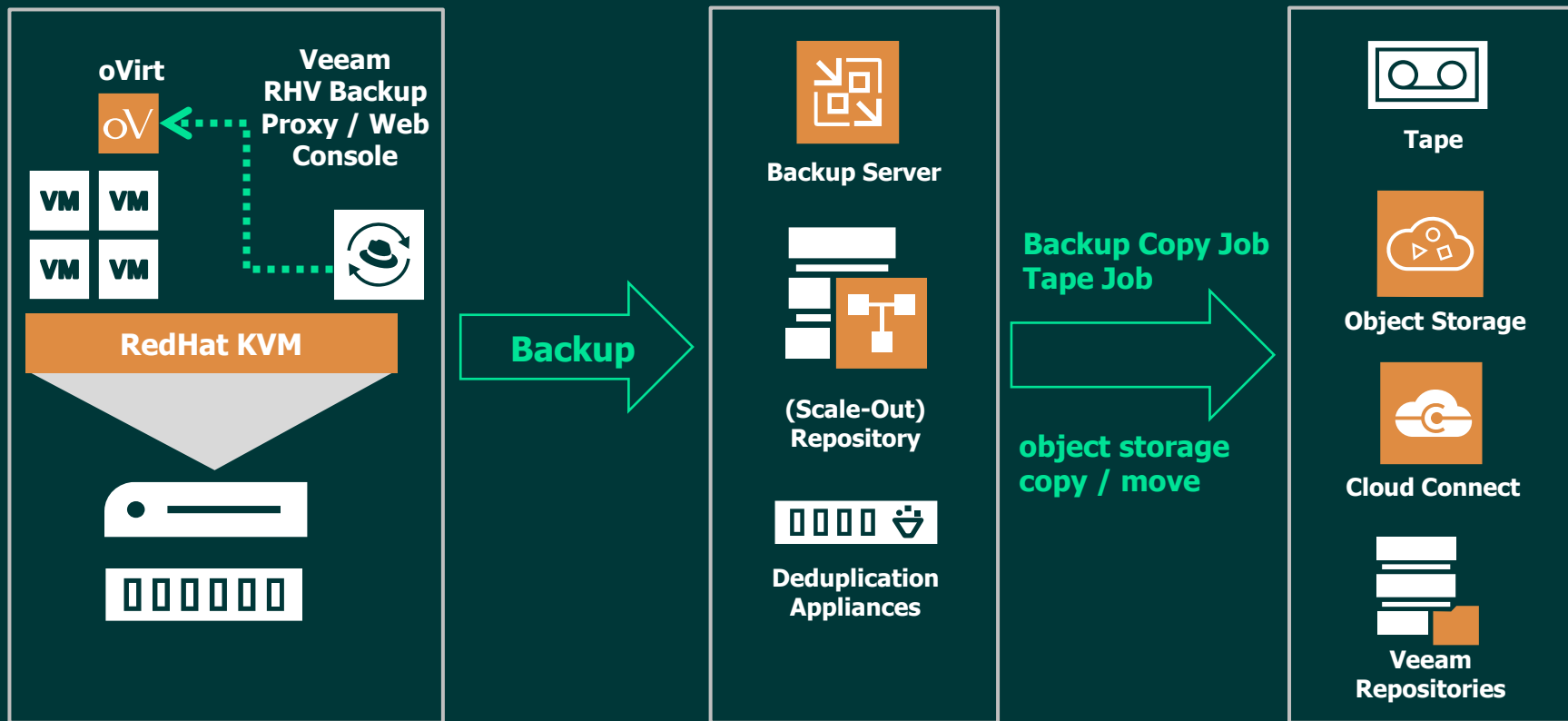
Below this, a file explorer view for 'Ubuntu02' is shown. The left pane displays a directory tree with folders like 'bin', 'boot', 'cdrom', 'dev', 'etc', and 'home'. The right pane shows a table of files with columns for 'Name', 'Size', and 'Date Modified'. A context menu is open over the 'bash' file, showing options for 'Restore' and 'Copy To...'.










At the bottom, a 'Home' section shows a list of jobs under the 'Jobs' category. The jobs listed are 'Backup', 'SureBackup', 'Replication', and 'CDP'. The 'Backup' job is selected, and a table of backup results is displayed, showing three entries for 'RHV-Ubuntu02', 'RHV-Ubuntu02-SOBR-objectsstorage', and 'RHV-ubuntu1804', all of which are 'External Policy Backup'.

Name	Size	Date Modified
bash	1,1 MB	07.06.2019 00:28
Restore	699,7 KB	13.03.2018 00:04
Copy To...	5,0 B	13.03.2018 00:04
btfs-debug-tree	367,1 KB	13.03.2018 00:04
btfs-find-root	262,1 KB	13.03.2018 00:04

Name	Type
RHV-Ubuntu02	External Policy Backup
RHV-Ubuntu02-SOBR-objectsstorage	External Policy Backup
RHV-ubuntu1804	External Policy Backup

Backup Of Red Hat KVM VMs



From	To	vSphere	Hyper-V	Nutanix AHV	Red Hat KVM	Azure VM	AWS EC2	Google Cloud VM
 vSphere		✓	✓	✓		✓	✓	✓
 Hyper-V		✓	✓	✓		✓	✓	✓
 Nutanix AHV		✓	✓	✓		✓	✓	✓
 Red Hat KVM		✓	✓	✓	✓	✓	✓	✓
 Windows Agent		✓	✓	✓		✓	✓	✓
 Linux Agent		✓	✓	✓		✓	✓	✓
 Azure VM		✓	✓	✓		✓	✓	✓
 AWS EC2		✓	✓	✓		✓	✓	✓
 GCP VM		✓	✓	✓		✓	✓	✓
 Other Clouds (agent based)		✓	✓	✓		✓	✓	✓

 Supported
  Supported via Backup Copy

Veeam Backup For Nutanix AHV



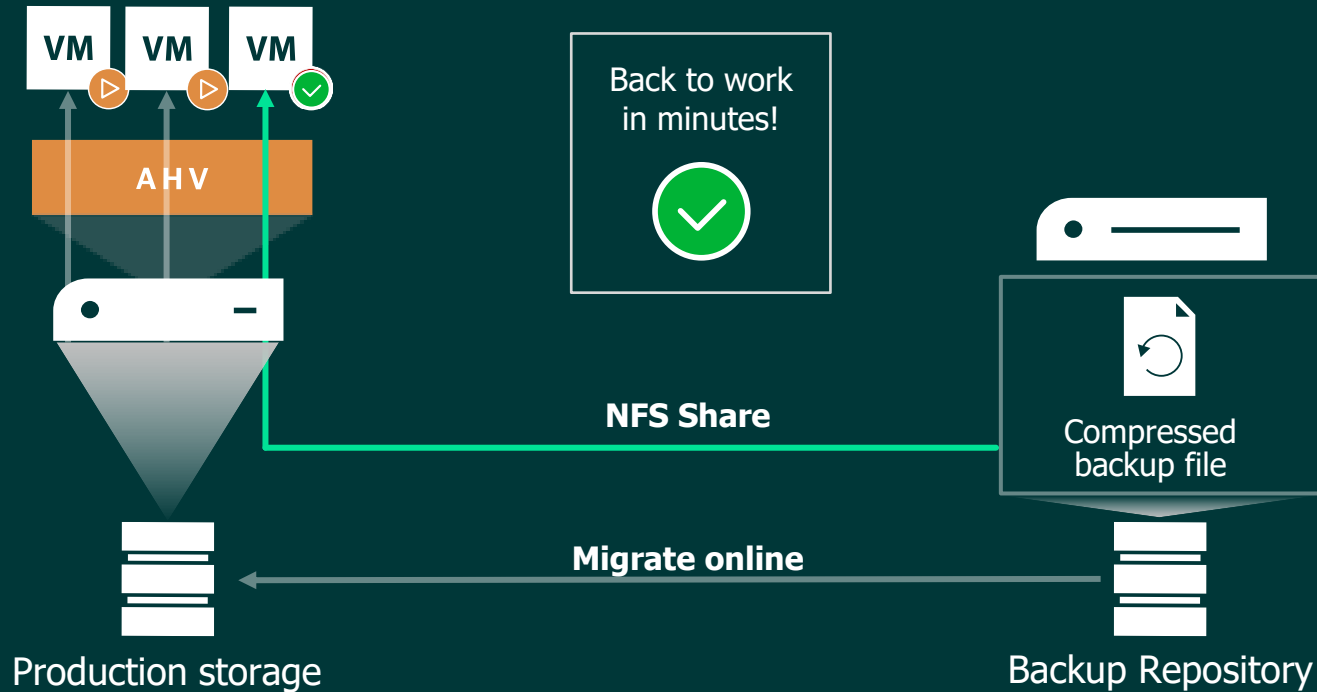
Instant Recovery to Nutanix AHV



Instant recovery of image-level backups created by ANY Veeam product to a Nutanix AHV virtual machine (VM)

Instant disaster recovery (DR) of any workload regardless of if it was sourced from cloud, virtual or physical locations

Recover Fast With Instant VM Recovery



Instant Recovery To AHV Details

- Requires AOS 6.0 or later
- Writes always go to AHV cluster
- During migration: first read from backup. Later reads served by AHV storage

Limitation

- No SureBackup / Virtual Labs
- During migration, snapshot jobs are disabled



Configuration Backup Restore

to existing proxy

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veeAM

Dashboard | Jobs | Protected VMs | Events

Time: 9/28/2021 8:16 AM

Home / Infrastructure Settings

Infrastructure Settings

Manage Backup Server | Manage Appliances

Summary

Network

Security

Time zone

Updates

Notifications

E-mail settings

Configuration Restore

Configuration Backup

Reboot

Shutdown

Support Bundle

Appliance Hostname

ntnx-proxy

Product

Veeam Backup for Nutanix AHV

Appliance Version

3.0.775

Configuration Backup

Select files you want to backup

A minimum set of data required to restore the appliance is included by default. You can also choose additional items to backup.

☒ Common

Inventory and configuration

☐ Events

Historical data and events

Protect passwords in exported files

Specify password:

Repeat password:

Download

Cancel

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veeAM

Generally available today



Veeam® Backup
for AWS v4



Veeam Backup
for Microsoft Azure v3



Veeam Backup
for Google Cloud Platform v2



Veeam Backup *for AWS v4*



Amazon EFS



KMS support



Archive Tier



Veeam Backup for Microsoft Azure v3



SQL Backup



Multi-subscription



Key vault



Azure Blob Archive



Veeam Backup for Google Cloud Platform v2



Centralized
Management




Cloud archive
storage



RESTful API


Better Integration For Google Cloud


- Restore to and from Google Cloud platform
- Veeam Backup for Google integration














Veeam Cloud-Native Backup Appliances

Select the type of a Veeam cloud-native backup appliance you want to add to the inventory.

**Veeam Backup for AWS**
Connects to an existing appliance, or deploys a new Veeam Backup for AWS.

**Veeam Backup for Microsoft Azure**
Connects to an existing appliance, or deploys a new Veeam Backup for Microsoft Azure appliance.

**Veeam Backup for GCP**
Connects to an existing appliance, or deploys a new Veeam Backup for GCP appliance.

Name ↑	Job Name
Server2019	AHV-everything
	Instant recovery
	Export content as virtual disks...
	Restore guest files
	Restore to Amazon EC2...
	Restore to Microsoft Azure...
	Restore to Google CE...
	Restore entire VM to Nutanix AHV...
	Export backup...
	Delete from disk
	Properties

Veeam ONE v11a



Veeam ONE v11a



GCP



Hardened
Repository



IBM AIX
Oracle Solaris



Enterprise
reporting



CDP

Veeam Backup *for Google Cloud Platform*

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Provide complete backup and usage visibility across your entire data center, which now includes Veeam Backup for Google Cloud Platform

Deliver resilient backup lifecycle management and avoid the risk of data loss that's associated with unprotected assets

Maintain visibility into the backup operations of Veeam Backup for Google Cloud Platform with unique alarms and enhanced reporting

Ransomware awareness and visibility

BECHTLE



Track to ensure that your backup data is safe and protected from attack throughout its lifecycle with the ability to:

Retain complete awareness throughout the immutability lifecycle to further mitigate ransomware threats and other cyberattacks to your backup data

Maintain and generate documentation that shows the complete immutability lifecycle of your backup data for internal or regulatory compliance purposes

Utilize two new unique alarms with four new comprehensive reports

Veeam Agents *for IBM AIX and Oracle Solaris*

BECHTLE

Take advantage of Veeam ONE™ v11a to help you with:

Verifying and proving that data protection and recovery objectives are being met across all the disparate systems in your data center, including IBM AIX and Oracle Solaris

Leveraging real-time monitoring and alarms for IBM AIX and Oracle Solaris backups to reduce the impact of potential disaster and downtime that's associated with backup failure

Utilizing four new unique alarms with 15+ new comprehensive reports



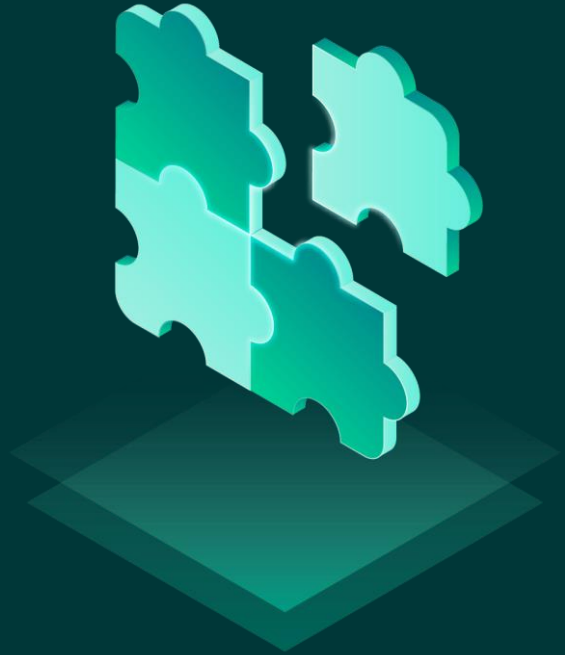
Veeam Kasten K10

Overview



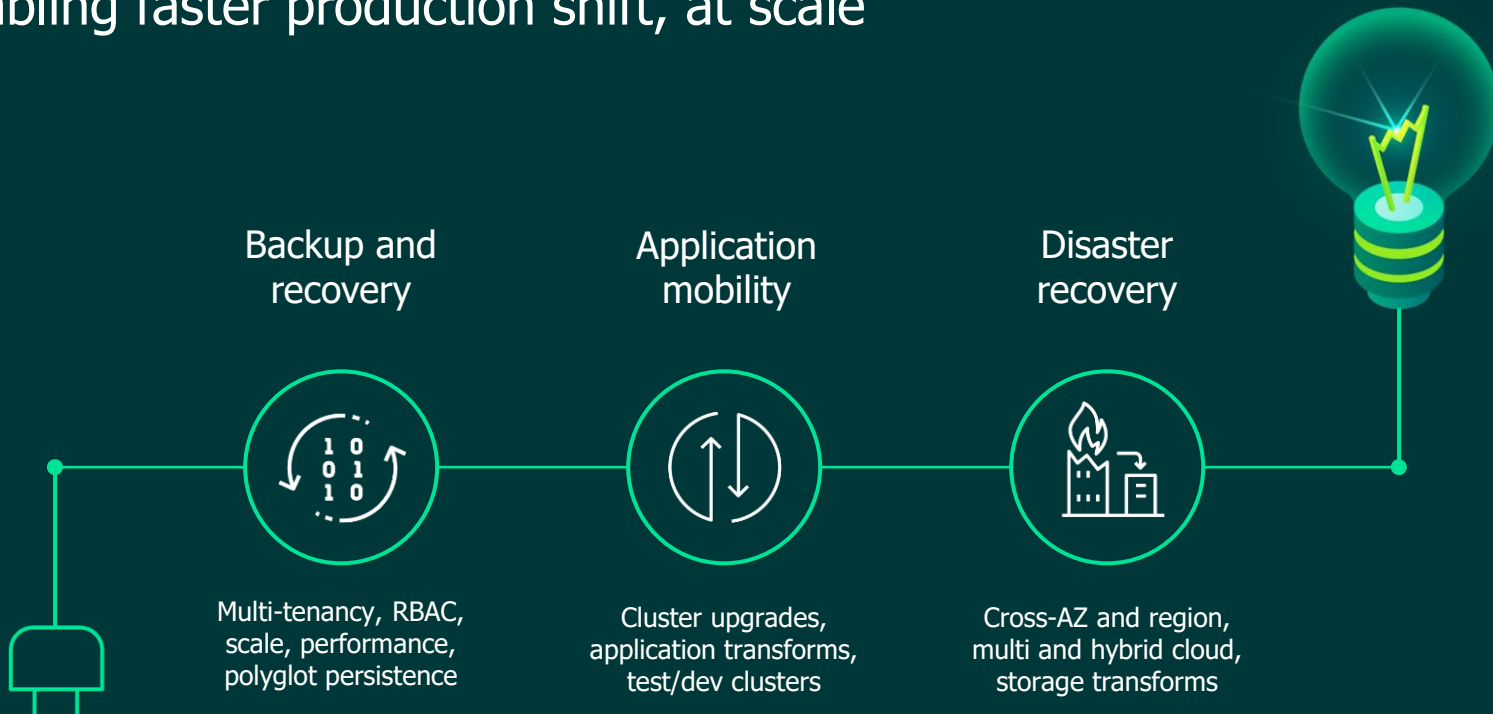
Kubernetes & Container Challenges

- We need to recover a failed application to production.
- We need to recover a failed application or container(s) to an alternate location (disaster recovery).
- We need to migrate applications for infrastructure lifecycle or development (i.e., seeding a new cluster).
- We need to optimize our deployments by consolidating and reducing infrastructure sprawl.
- We need to protect applications to a defined SLA.
- We need to deliver the capabilities regardless of workload location (on-premises, cloud).



Kubernetes-native data management:

enabling faster production shift, at scale



Kasten K10

Kubernetes backup and mobility made easy

BECHTLE

Of course there is a dark mode option

K10 PLATFORM



Application
Discovery



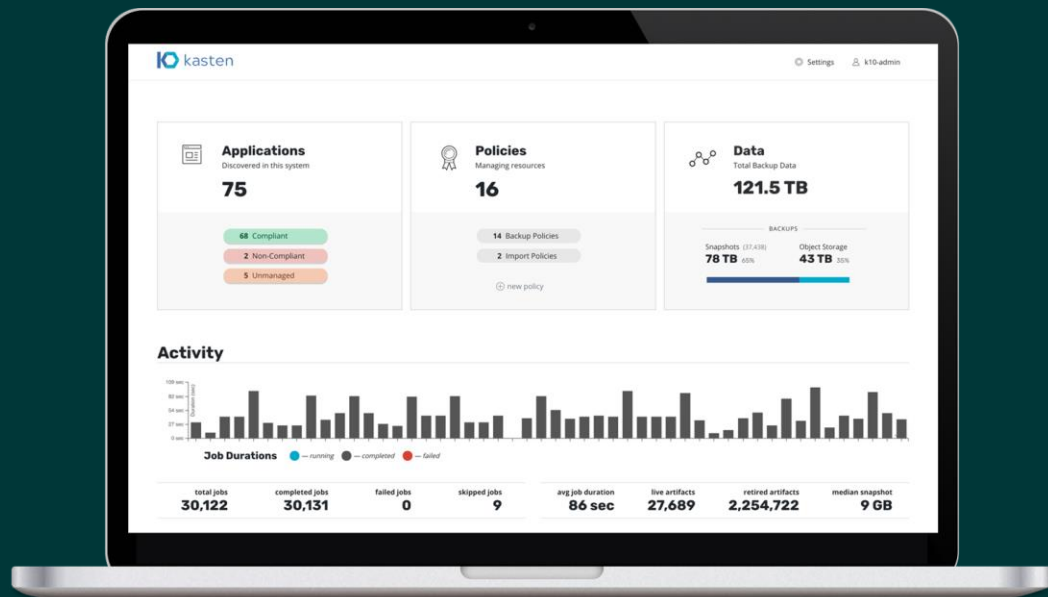
Policy-driven
Automation



Ease of Use,
Simple UX



End-to-End
Security



K10 freedom of choice:

eliminate fragmentation

Data Services



PostgreSQL



mongoDB



MySQL™



cassandra



Amazon RDS

Distributions



Google Kubernetes Engine



Amazon EKS



Azure Kubernetes Service (AKS)



IBM KKS



RED HAT
OPENSHIFT



Pivotal
Container Service



OPENSHIFT



RANCHER



Container Orchestration



kubernetes

Storage Infrastructure



Google Cloud Storage



PURESTORAGE®



Azure Blob



S3 Compatible



NetApp™



MINIO

DELL EMC



CSI



ceph



AWS EBS

K10
PLATFORM

Data
Management
Platform

Free Kubernetes Backup

2 Ways to Try Kasten K10

1

Hands-on Lab: Take a Kasten K10 Test drive

Learn how Kubernetes-native application backup and recovery works. Take a live test drive of K10, Kasten's data management platform for all your Kubernetes-native backup, DR, and application mobility needs. Complete the form and receive an email containing a link to the Kasten K10 test drive.



Kasten Interview

2

Install from the Cloud - *50 Nodes for 1 Month, 10 Free Forever*

K10 Editions (Starter, Enterprise Trial, and Enterprise)
The default Starter edition, provided at no charge, is functionally the same as the Enterprise Trial and Enterprise editions but limited from a support and scale perspective.



FREE

BECHTLE

Veeam Disaster Recovery Orchestrator **v5**

What's New?



Veeam Disaster Recovery Orchestrator



CDP



Replica



Backup



Storage



Reduce risk



Save time



Restore confidence

Veeam Disaster Recovery Orchestrator v5

Orchestrated recovery for Veeam CDP, replicas, backups and select storage snapshots

New features



HPE Storage integration

Snapshot orchestration for Primera, 3PAR, and Alletra 9000



Streamline operations

At-a-glance view of your recovery environment with enhanced dashboard



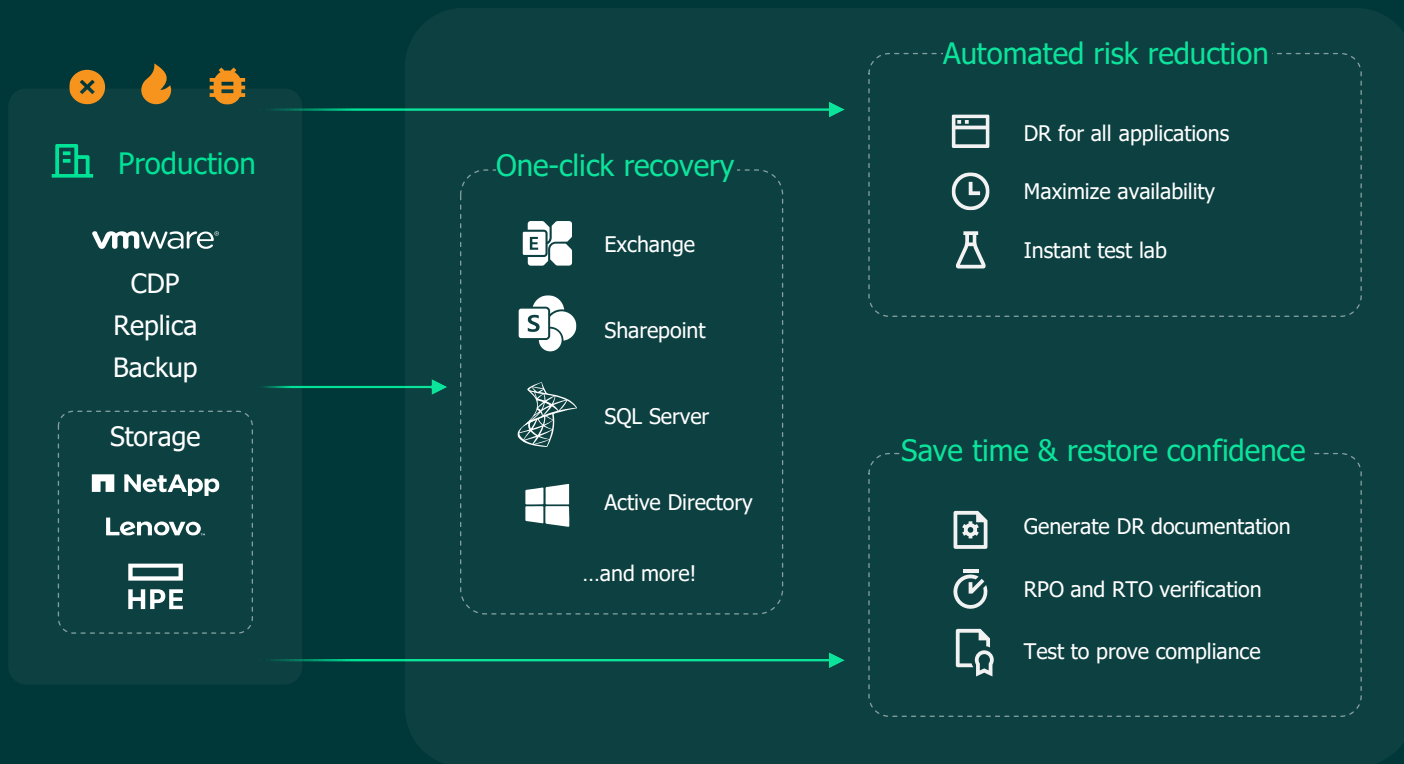
Simplified plan workflow

Accelerate orchestration plan creation with visibility into your whole environment

Veeam Disaster Recovery Orchestrator

BECHTLE

Stress-free recovery



Q4 product launches



Veeam® Backup & Replication™

v11a



Veeam Backup *for Google Cloud Platform*

v2



Veeam Service Provider Console

v6



Veeam Backup *for Microsoft Azure*

v3



Veeam Backup *for AWS*

v4



Veeam Disaster Recovery Orchestrator

v5

Veeam Backup for Microsoft 365 v6

What's New?



Self-service Restore Portal



Veeam Backup for Microsoft Office 365

Your Username

Log In

Self-service restores



- How:
 - Web-based portal

- Who:
 - End user
 - Restore operator

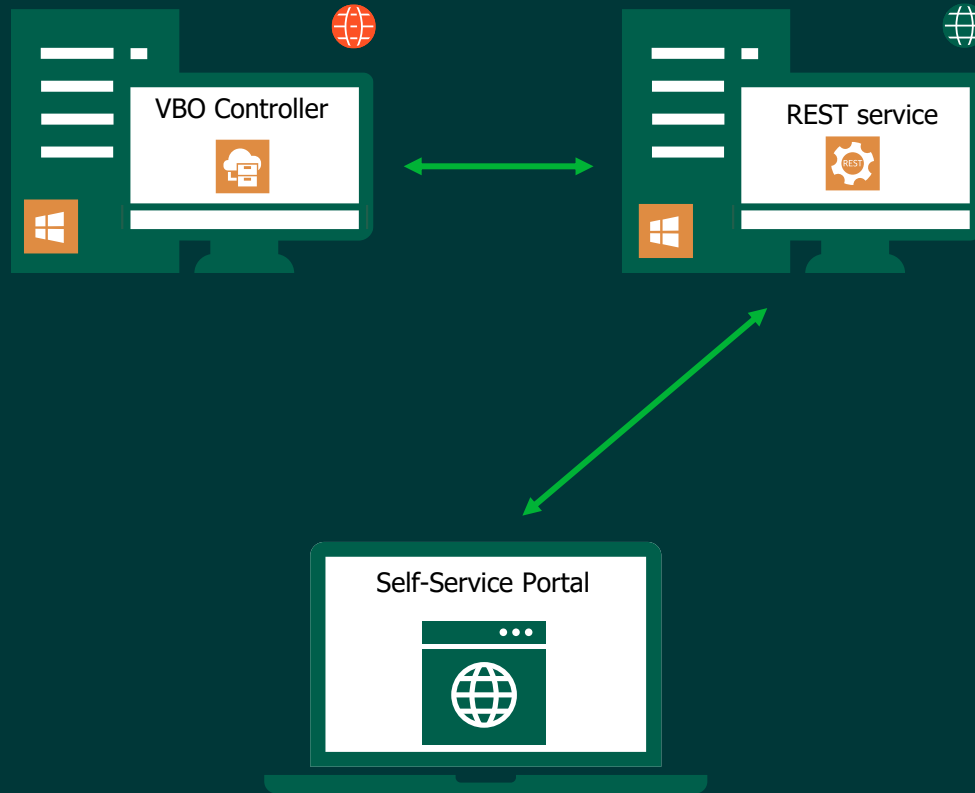
- What:
 - Own data
 - Allowed users and user groups

Restore options



- Exchange, OneDrive, SharePoint files and folders
- From: Latest restore point
- 'Shopping basket' for restores to:
 - Original location
 - Another location (within owner's personal mailbox/OneDrive/etc.)
- Search by keyword (subject/name/to/from/etc.)

Architecture

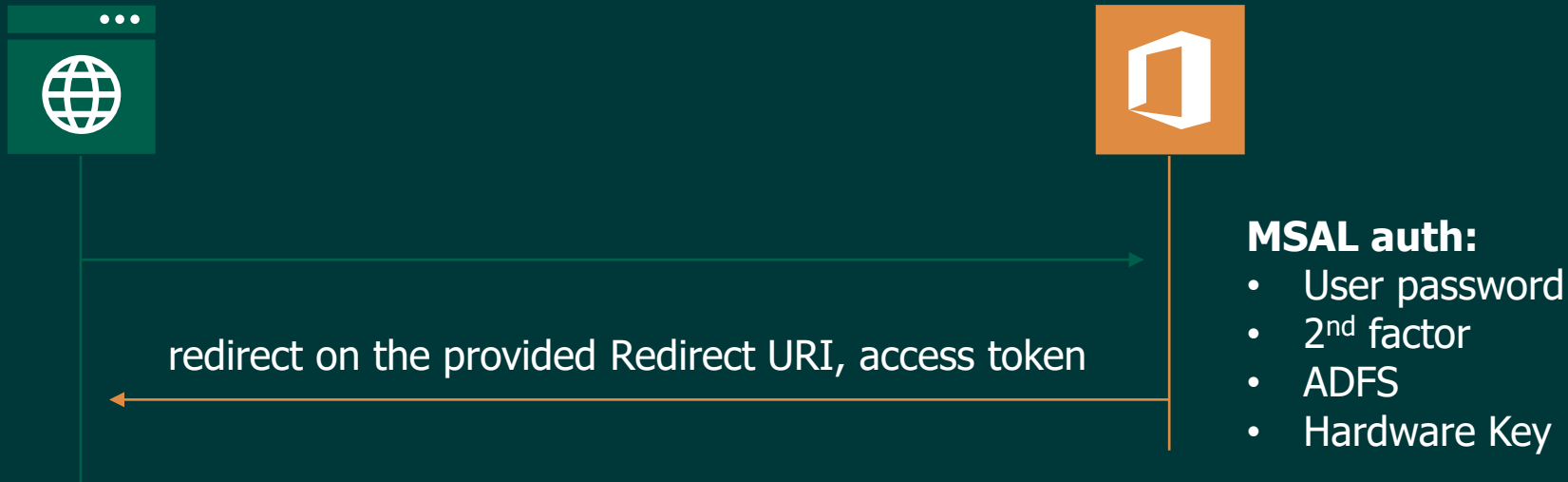


How it works



- Deploy REST service on the same or separate machine (Windows-based)
 - Configure port and install SSL certificate
- Create a new app registration in the tenant Azure portal
 - Add Redirect URI (your portal URL) and API permissions
- Open app redirect URI in web browser
- Log in with your Office 365 account
 - MSAL authentication

How it works



Note: For modern app-only auth ONLY

Backup Copy

3-2-1 Rule



- What: Latest restore point
- From: ANY object storage repository
- To: Low-cost storage
 - AWS S3 Glacier or Glacier Deep Archive
 - Azure Blob Storage Archive

Backup Copy job

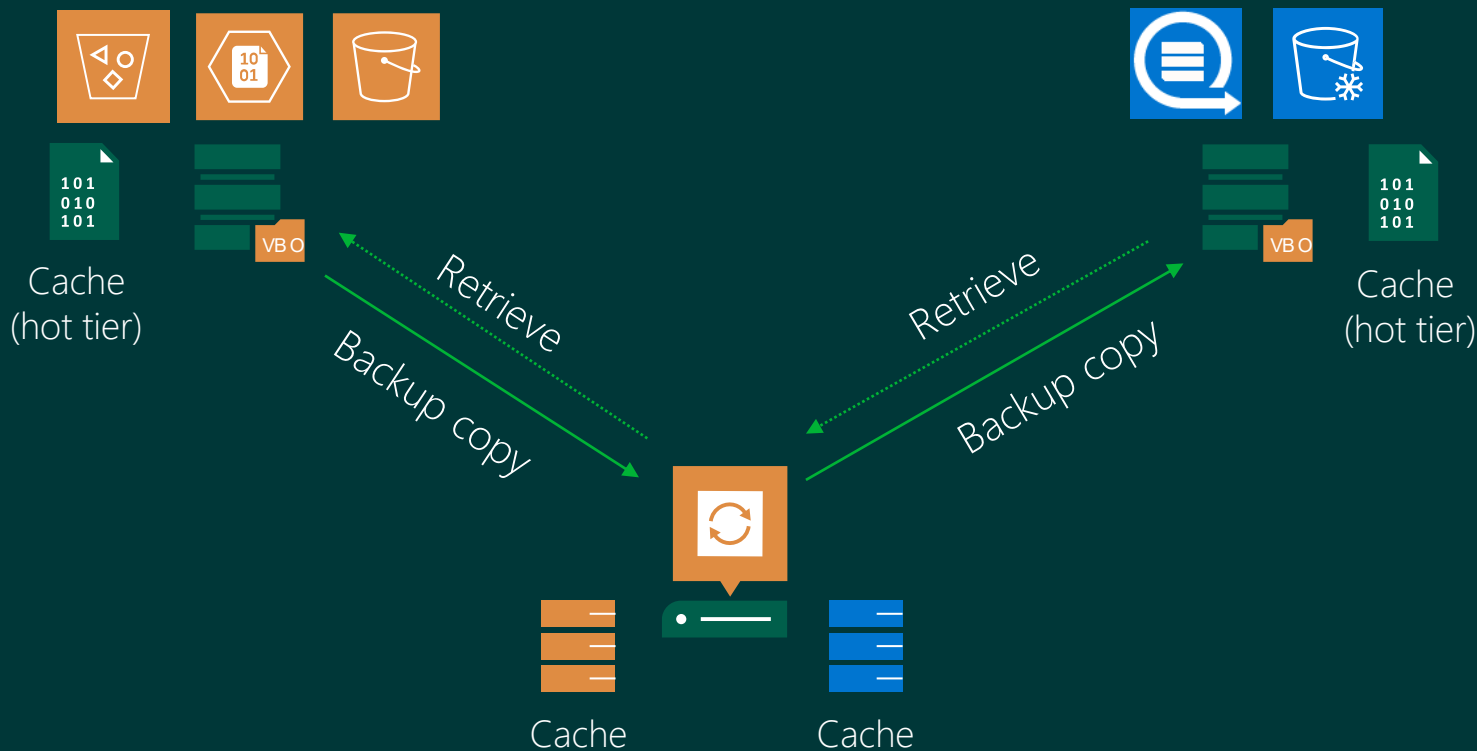


- Created with the Backup Copy Job wizard
- Associated with 1 primary backup job
- Works on schedule:
 - Immediate
 - Periodic

Secondary repository

- › Consists of cloud part and local cache
- › Added with existing wizards
- › Has the same retention type as primary repository
- › Associated with the same proxy as the primary repository

Architecture



Retention and on-demand deletion



- Default minimum retention duration:
 - Azure Archive Storage: 180 days
 - AWS S3 Glacier: 90 days
 - AWS Glacier Deep Archive: 180 days
- Unneeded objects can be removed on-demand:
 - PowerShell command "Remove-VBOEntityData"

Restore from backup copies

- Retrieve restore point for Exchange, SharePoint, OneDrive or Teams
 - Select retrieval mode
 - Define availability period (can be extended)
- Retrieved backups are placed in the hot tier
- Restore data with Veeam Explorers

SharePoint restore to another location

Any types of restores

- From Online to on-premises and vice versa
- Cross-tenant restores
- Restore to another site collection in the original tenant
- Granularity: from entire sites to individual items

Enhancements

And more...



- › Multi-Geo tenants
- › SharePoint domain rename
- › Per-job logging
- › ... and more



COMING SOON...

Veeam Backup for Salesforce

Bechtle Suisse SA – en Romandie

<p>>250 EMPLOYEES</p> <hr/> <p>+65 EXPERTS + SUISSE ROMANDE</p> <hr/> <p>>300 CLIENTS en Suisse Romande</p>	<p>4 BUSINESS UNITS</p> <p>PROFESSIONAL SERVICES MANAGED SERVICES DATA & ANALYTICS SKILLS MANAGEMENT</p>	<p>>20 PARTENAIRES</p> <p>Top-level certifications</p> <table border="0"> <tr> <td>■ CITRIX</td> <td>■ NINTEX</td> </tr> <tr> <td>■ CISCO</td> <td>■ POWELL</td> </tr> <tr> <td>■ DELL</td> <td>■ TRENDMICRO</td> </tr> <tr> <td>■ FORTINET</td> <td>■ VEEAM</td> </tr> <tr> <td>■ HPE</td> <td>■ VMWARE</td> </tr> <tr> <td>■ MICROSOFT</td> <td>■ ...</td> </tr> </table>	■ CITRIX	■ NINTEX	■ CISCO	■ POWELL	■ DELL	■ TRENDMICRO	■ FORTINET	■ VEEAM	■ HPE	■ VMWARE	■ MICROSOFT	■ ...	<p>CONSEILS PERSONNALISES</p> <hr/> <p>20 ANNEES D' EXPERIENCE</p> <hr/> <p>ORGANISATION CENTRALE AVEC SPOC</p>	<p>PME, ENTERPRISE ET PUBLIC</p> <hr/> <p>PLAN BUILD RUN</p> <hr/> <p>NOS PROPRES DATA CENTERS En SUISSE</p> <hr/> <p>+500 PROJETS / AN</p>
■ CITRIX	■ NINTEX															
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■ FORTINET	■ VEEAM															
■ HPE	■ VMWARE															
■ MICROSOFT	■ ...															

#STAYCONNECTED

WEBINARS

- **25 novembre 2021** | Défendez-vous face aux cyberattaques avec Microsoft Defender for Endpoint
- **08 décembre 2021** | Prenez le contrôle de vos données avec Microsoft Azure Information Protection

Vers les
événements
Bechtle Suisse SA



Merci !

Des questions?

Nous restons à votre disposition pour vous accompagner dans vos projets futurs.

Christian Bocquet, Solution Architect | christian.bocquet@bechtle.com
Benoît Henriot, Senior System Engineer | benoit.henriot@veeam.com

