

Webinar: Veeam Availability Suite V11 & Backup Office 365 v5, 10.3.2021.



Herzlich Willkommen.



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Agenda

1. Veeam Availability Suite V11
2. Veeam Backup für Microsoft Office 365 v5
3. Q & A

Veeam Backup & Replication **v11**



Continuous Data
Protection



Reliable Ransomware
Protection



Amazon S3 Glacier
and Azure Archive



Expanded
Instant Recovery



Expanded
Agent Support



Near-zero RPOs

Continuous Data Protection

Resiliency for critical workloads with near-zero recovery point objectives (RPOs), minimizing data loss and recovering to the latest state or point in time.

CDP - What is it?



A new way to replicate VMware virtual machines without snapshots



Meet short RPOs as low as 2 seconds

CDP - How does it work?



Uses VMware's vSphere APIs for I/O Filtering (VAIO)



Veeam CDP proxies act as data movers



Failover to use the replicas as usual



Latest state is always crash consistent

CDP - Requirements?



Veeam Backup Server (job control)

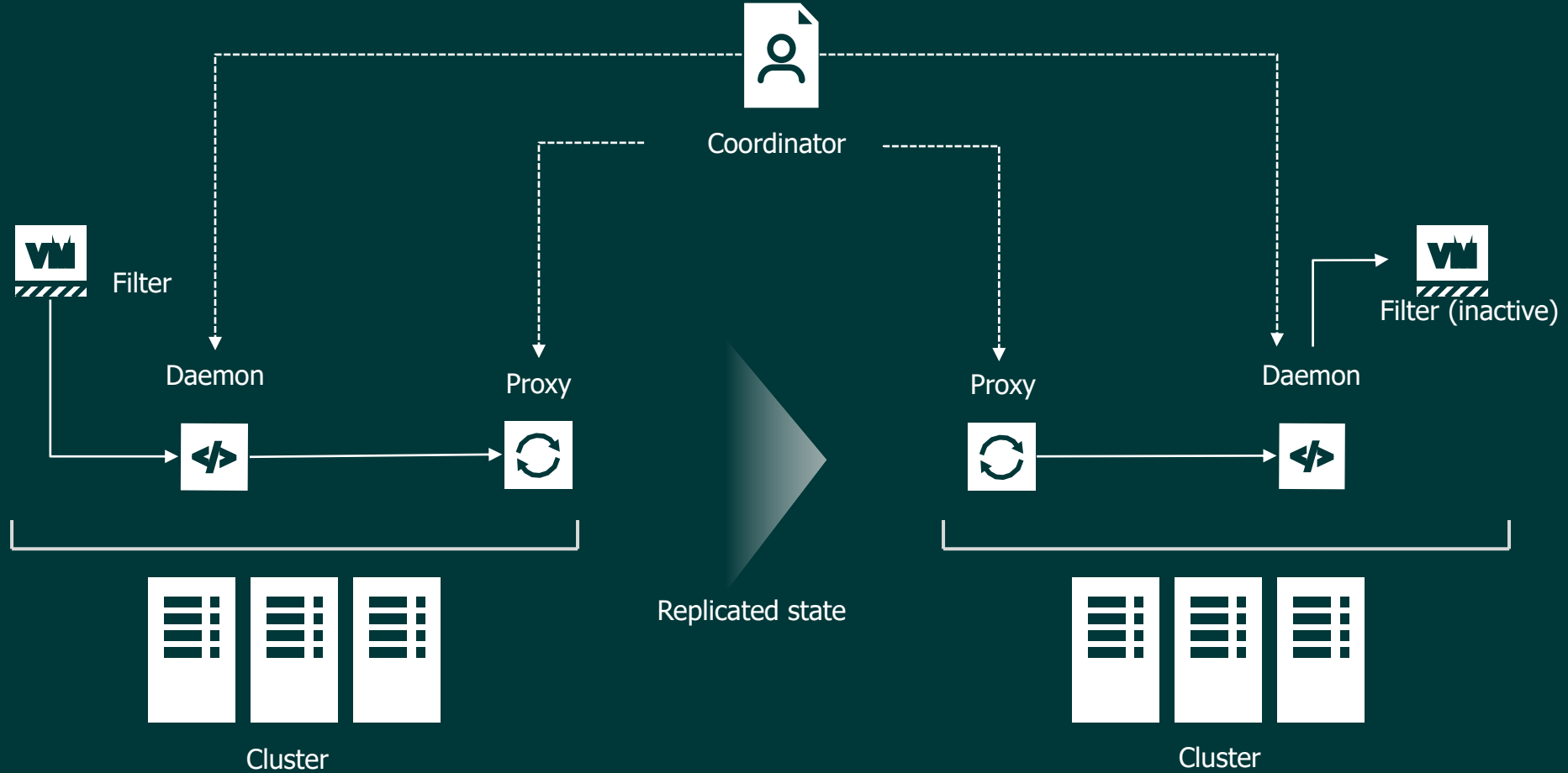


VMware vCenter Server and two clusters (6.5, 6.7 or 7.0)



Veeam CDP Proxy on source and target clusters (data movement)

CDP - Overview



CDP - When to use?

Critical workloads needing lowest RTO and RPO

The “top 5%”

Instead of Veeam replication

Instead of asynchronous storage replication



CDP - Feature comparison with replica

Feature	Replica	CDP
Failover & failback	+	+
Planned failover	+	-
Failover plan	+	+
SureReplica (DataLabs)	+	-
File-level recovery	+	-
Network throttling	+	+
Preferred networks	+	+
Automation (PS, REST)	+	+
Cloud Connect	+	-



Native immutable backups

Hardened Linux repository

Keep your data safe with immutable and malware-safe storage repositories for your backups and prevent malicious encryption and deletion.

Hardened Linux repository overview

Why?

Malware-safe repositories

If set up properly: insider protection

What

Deny deletion of backups

How

Use "immutable flag" in Linux

Removing backup

Name: **Backup Deletion Job** Status: **Warning**
Action type: Backup Deletion Start time: 29.10.2020 11:32:48
Initiated by: LAB\administrator End time: 29.10.2020 11:33:18

Log

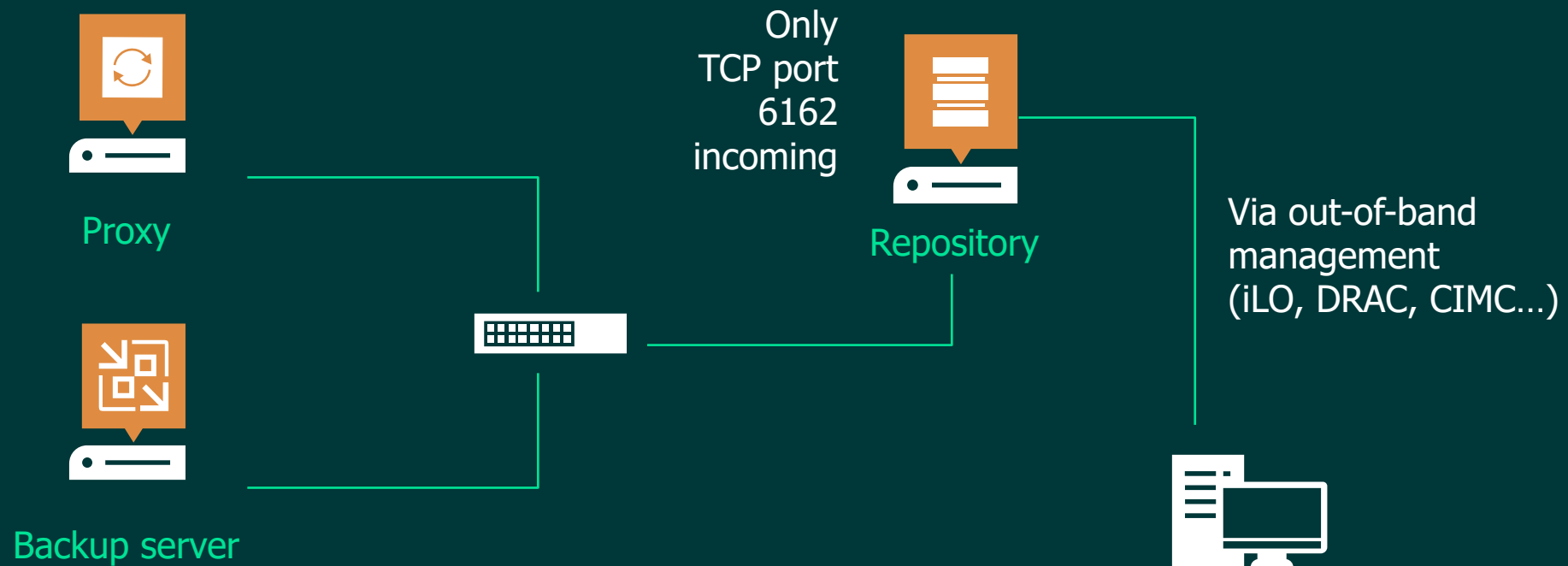
Message	Duration
✓ Starting backup deletion job	
✓ [TBD] Preparing entities for deletion	
✓ [TBD] Building deletion tasks	
✓ [TBD] Processed 1 of 1 entities (100% done)	0:00:26
! [BJ-hard1-7d-per-vm] Backup deleted with warning	0:00:23
! [TBD] Failed to delete immutable storages. Count: 4.	
! [TBD] Backup can be deleted after 09.11.2020 11:22	
✓ hard1-per-vm-chains-7days: 0 deleted, 0 skipped, 1 warned, 0 failed	
! Job finished with warning at 29.10.2020 11:33:18	

```
172.21.239.13 - KITTY
root@multistorage:/mnt/nfs/backups/BJ-immutable# lsattr -a
----- ./.
----- ./..
-i----- ./HK-Nano.vm-5636D2020-06-18T142332_7FC7.vbk
-i----- ./HK-Nano.vm-5636D2020-06-24T145659_5C3E.vib
-i----- ./veeam.0.lock
----- ./BJ-immutable.vbm
root@multistorage:/mnt/nfs/backups/BJ-immutable#
```

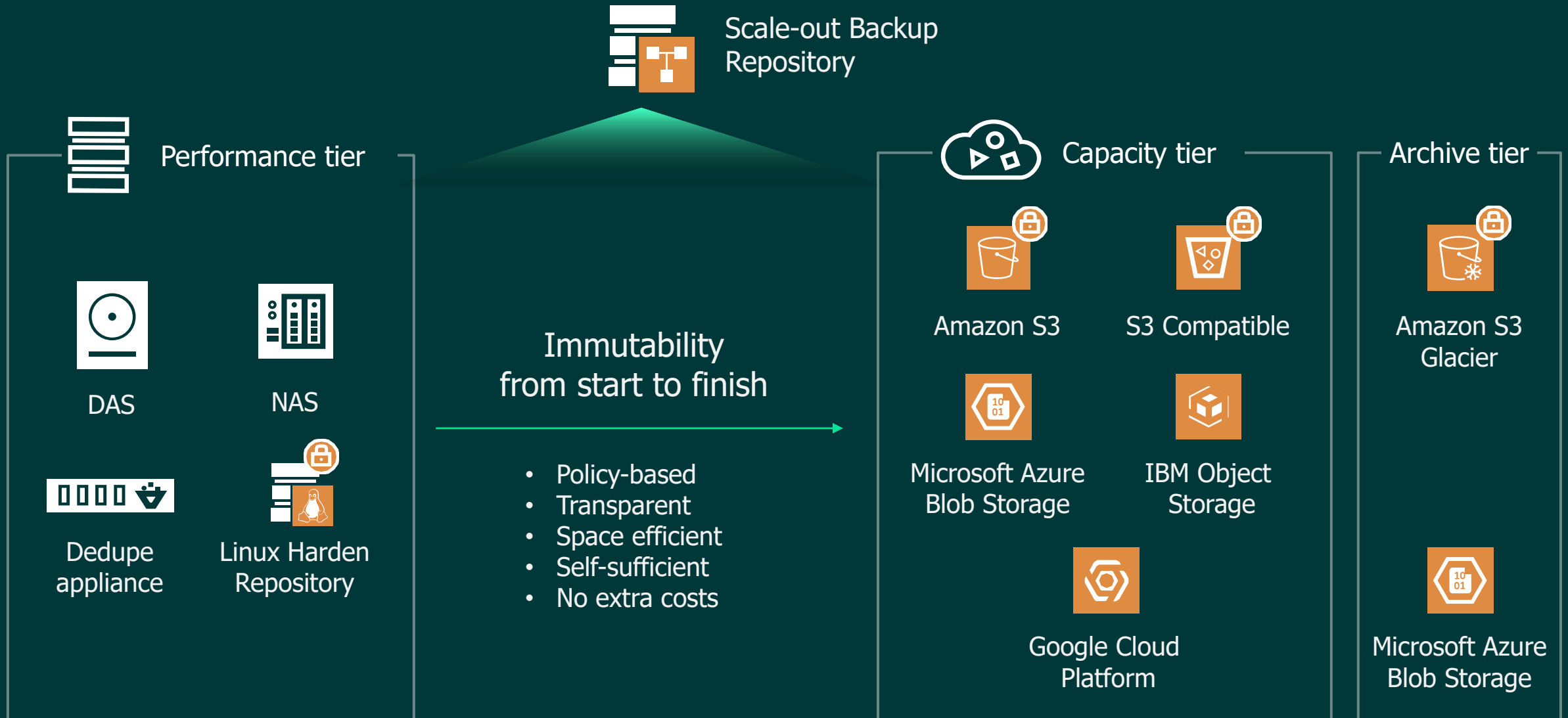
Architecture suggestion

Veeam transport service running as normal user on repository server

Most customers will also enable SSH



Immutability for all stages of backup



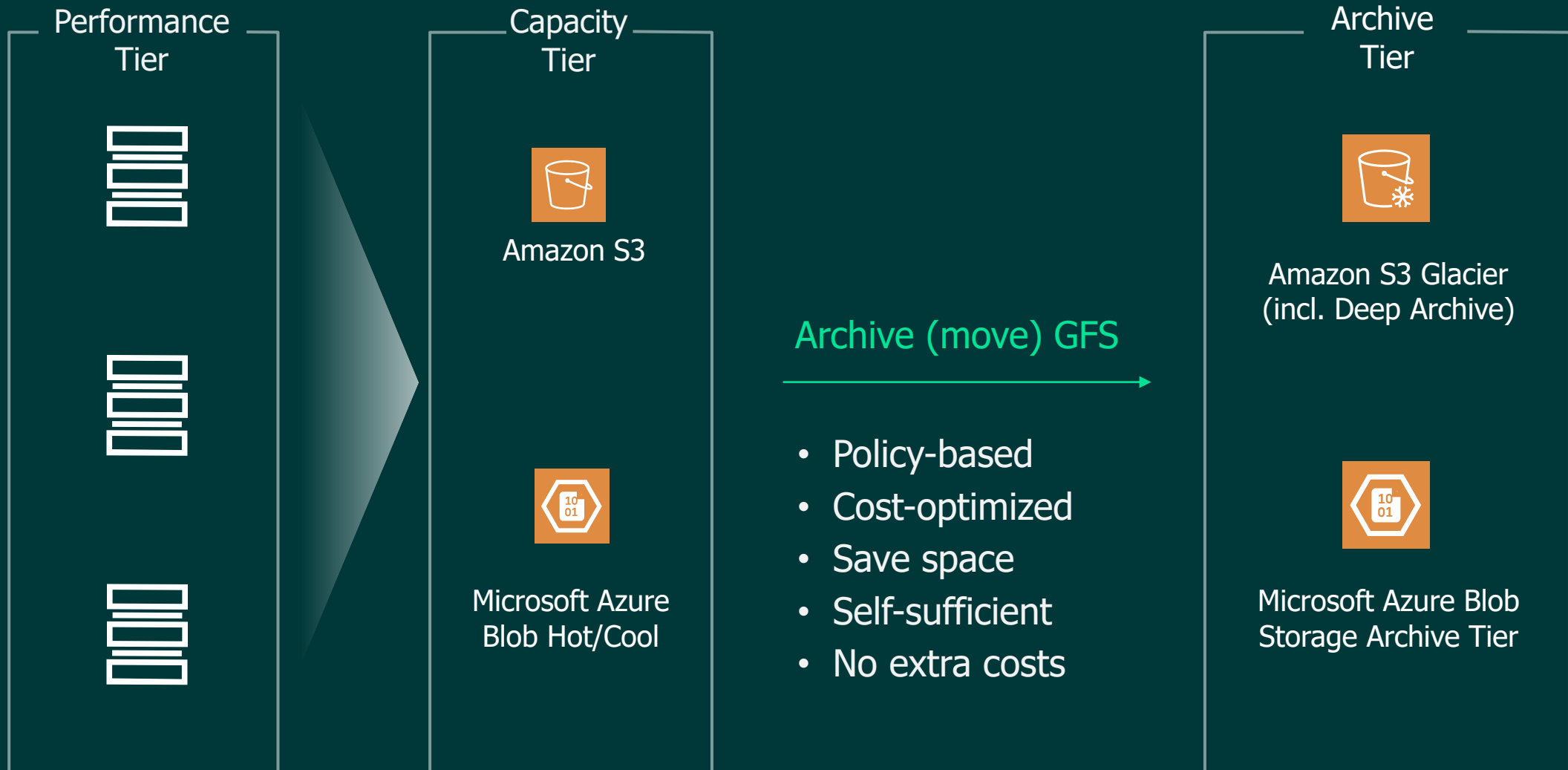


Object Storage

Amazon S3 Glacier and Azure Archive

Up to 20x cost savings using Amazon S3 Glacier or Azure Archive cold storage to achieve secure lifecycle management of your backups.

Archive Tier: Write once / (almost) never read



AWS and Azure Storage costs

	Azure Premium	Azure Hot	Azure Cool	Azure Archive	AWS Standard	AWS Standard IA	AWS One Zone-IA	Amazon S3 Glacier	AWS Glacier Deep Archive
Minimum days	N/A	N/A	30	180	N/A	30	30	90	180
PUT costs					\$0.005	\$0.01	\$0.01	\$0.05	\$0.05
					2X		5X		10X



Ultra-low RTOs

Instant Recovery

Achieve the lowest recovery time objectives (RTOs) with production-ready Instant Recovery for SQL, Oracle and NAS from the pioneer of Instant VM Recovery®

SQL / Oracle Instant Recovery

Why?

Be online with your database again in seconds

What

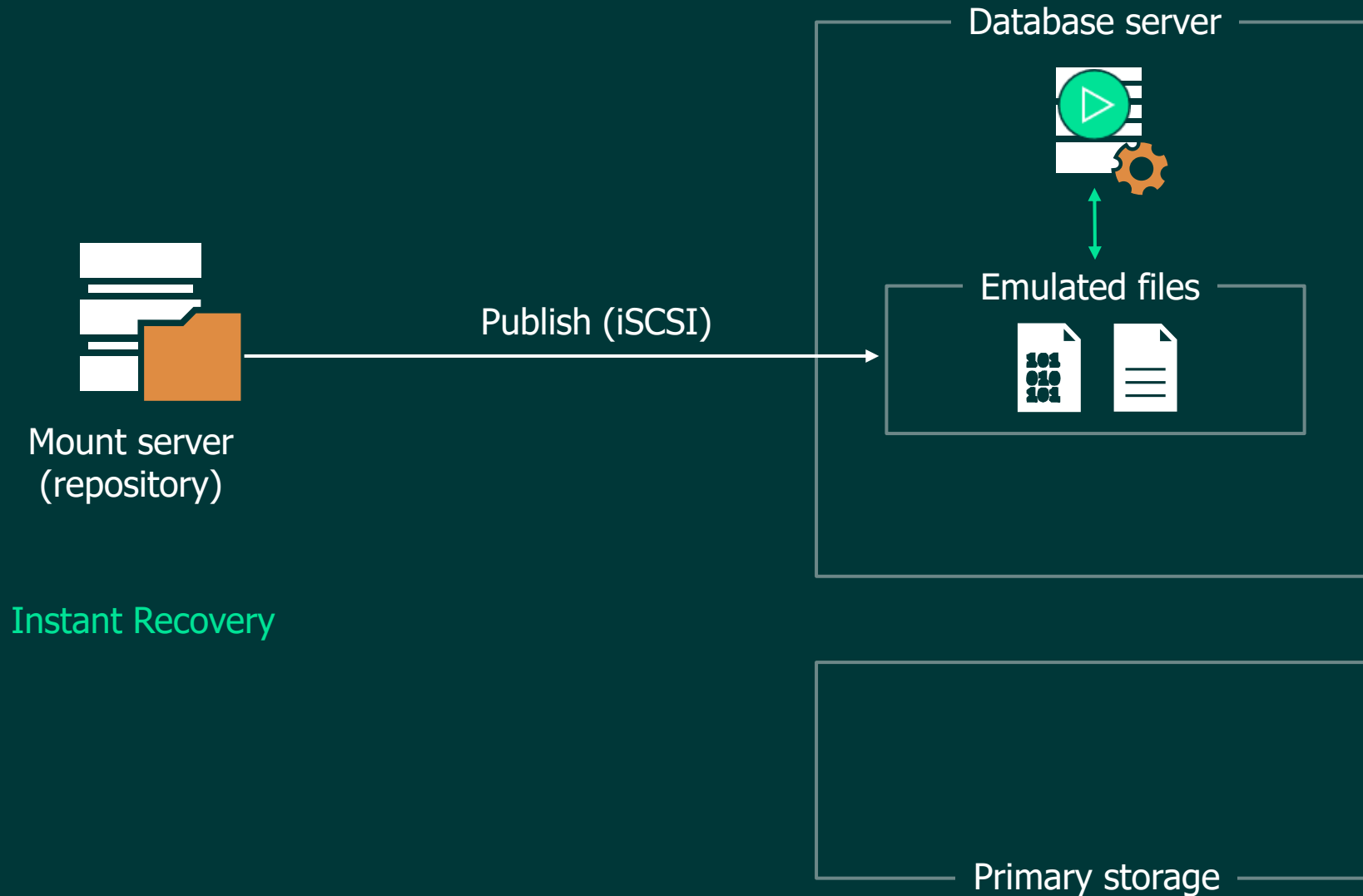
Physical and virtual servers
Instant Recovery for production databases

Keep in mind

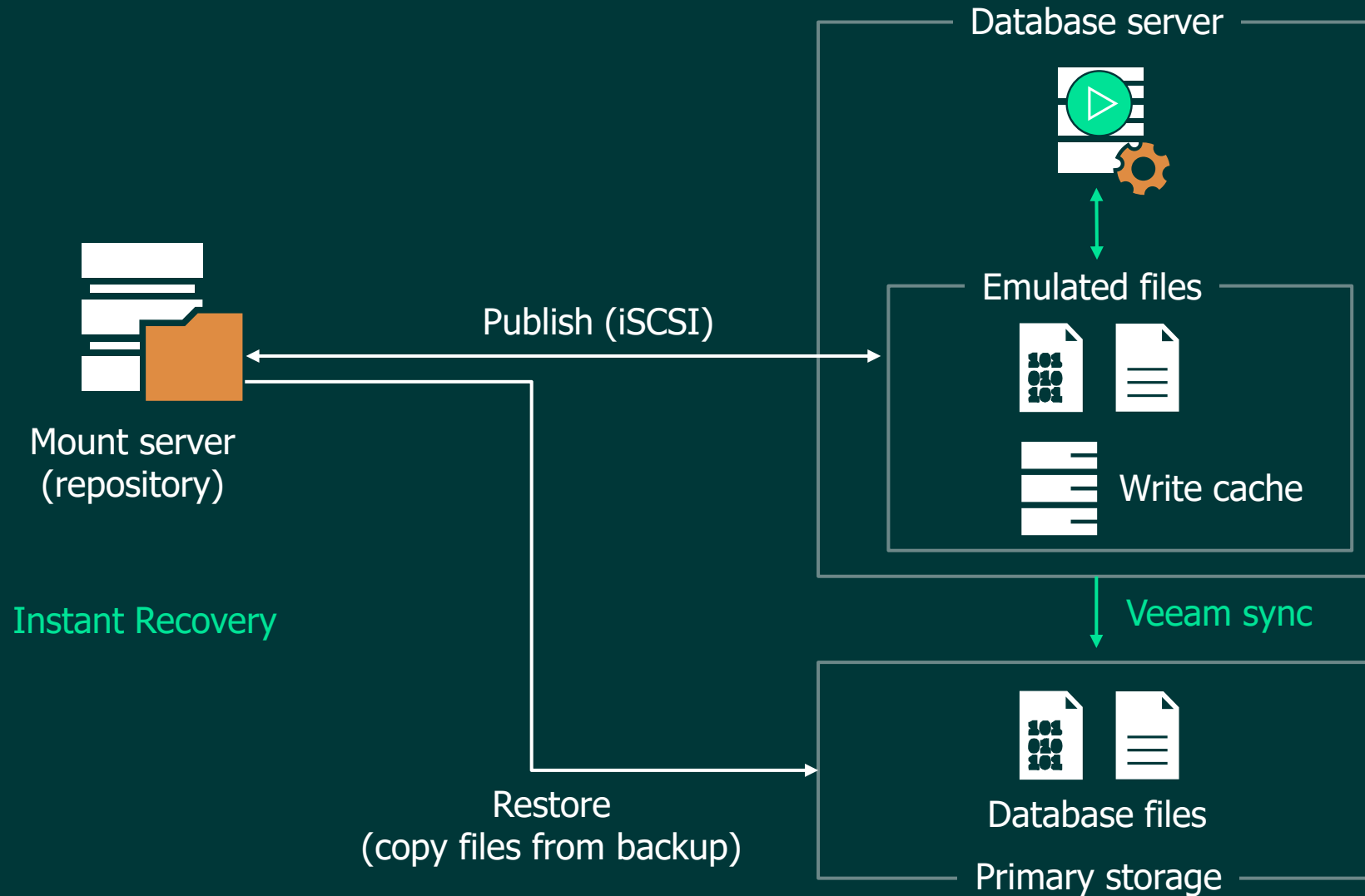
Small downtime on switchover



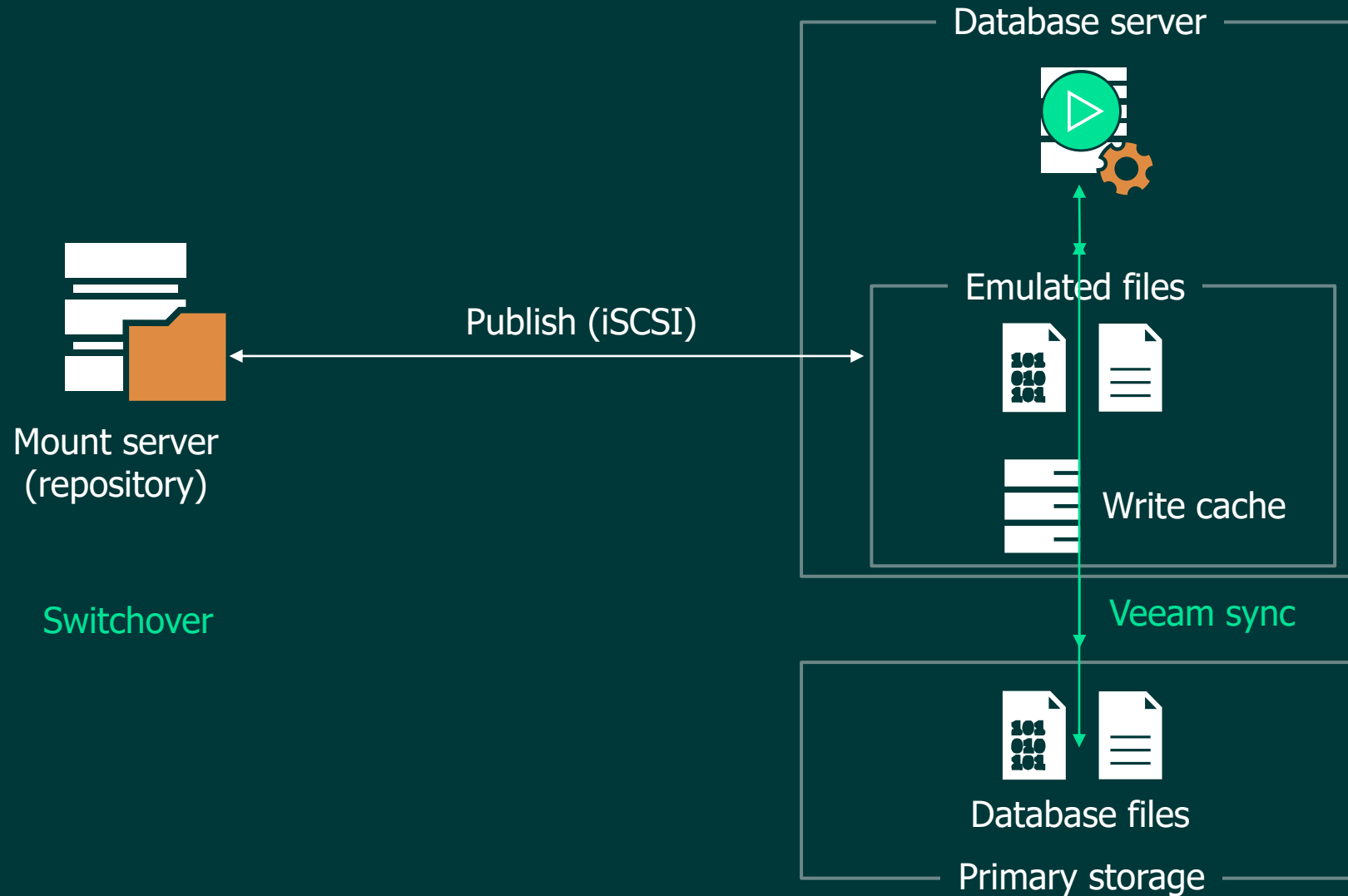
How it works 1: Publish database



How it works 2: Cache, restore & sync



How it works 3: Database switch



Instant File Share Recovery For SMB Protocol

Instant file share recovery

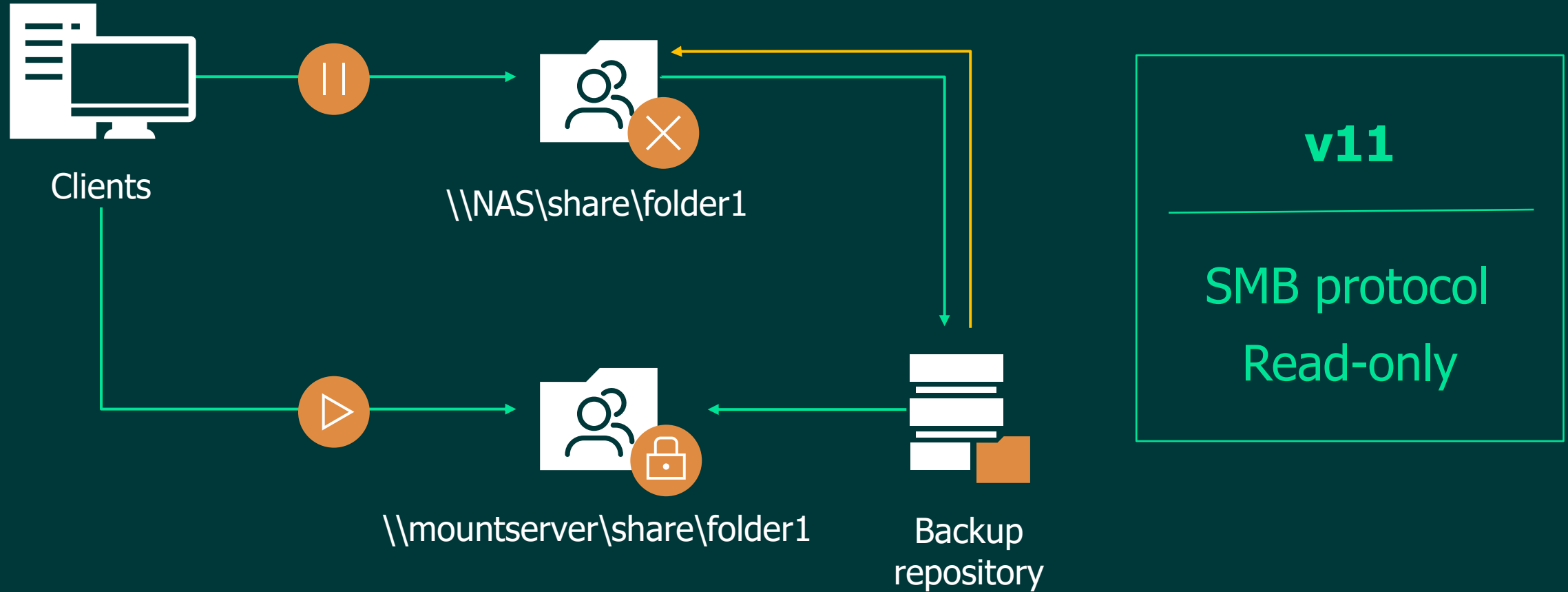
Why?

Grant users the ability to access files fast after disaster

What

Publish SMB shares instantly

Instant file share recovery for SMB





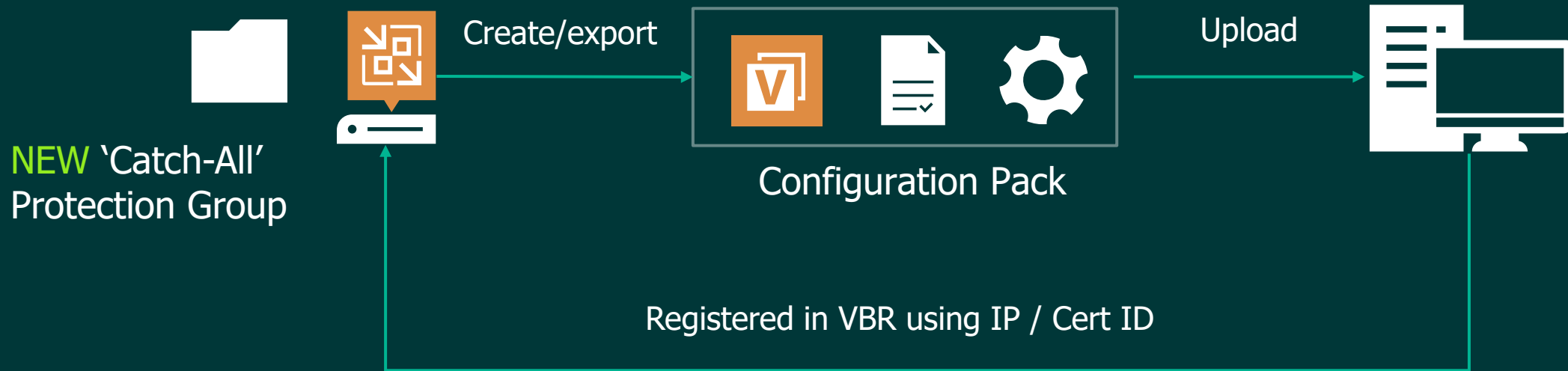
Server and endpoint management

Expanded support for Veeam Agents

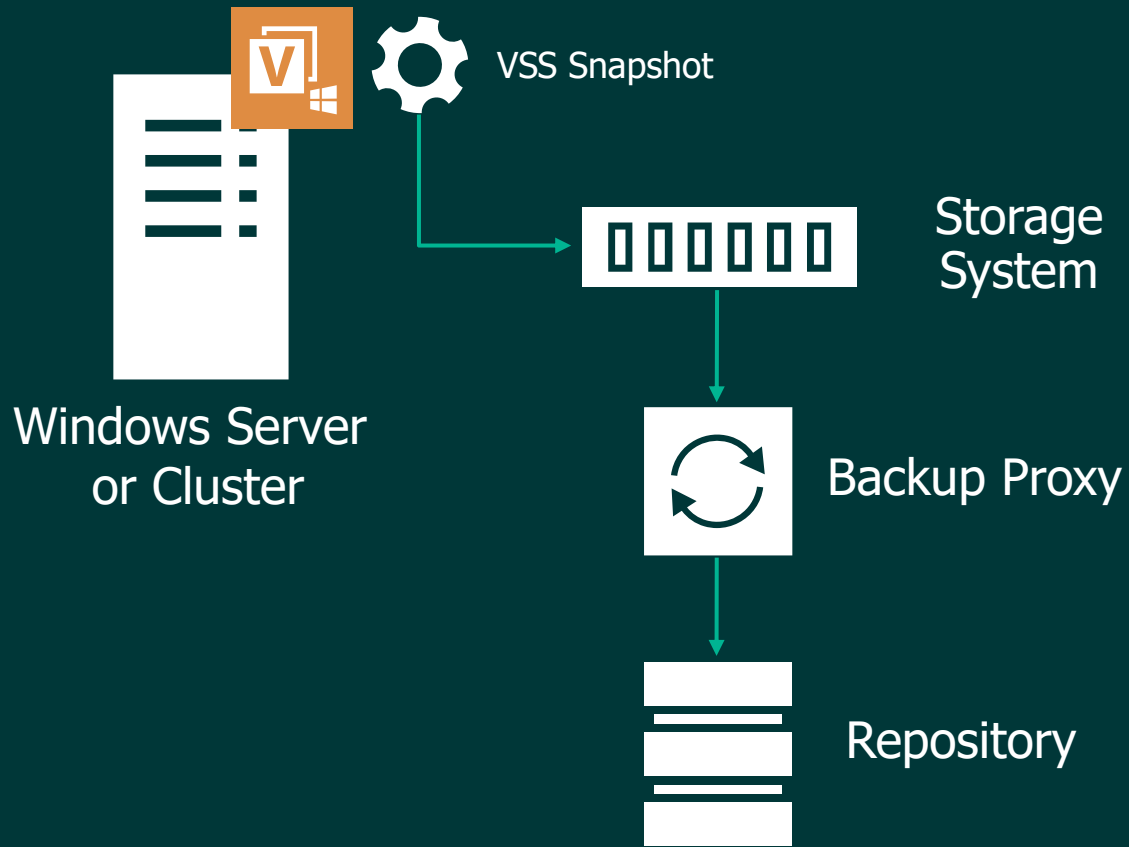
New Catch-All Protection Group functionality
and support and NEW Veeam Agent *for Mac*.

New Type Protection Group

- Computers with pre-installed agents.
Deploy Veeam Agents using Generated Setup Files.
- Upload the computers and import a certificate ID, these computers use the certificate ID to connect to the Veeam backup server.



Backup from Storage Snapshots



Create transportable VSS snapshot at agent side

Create snapshot at storage device

Proxy mounts transportable VSS snapshot for processing

Finalize job session at agent side

Additional cloud capabilities



Azure backup and recovery

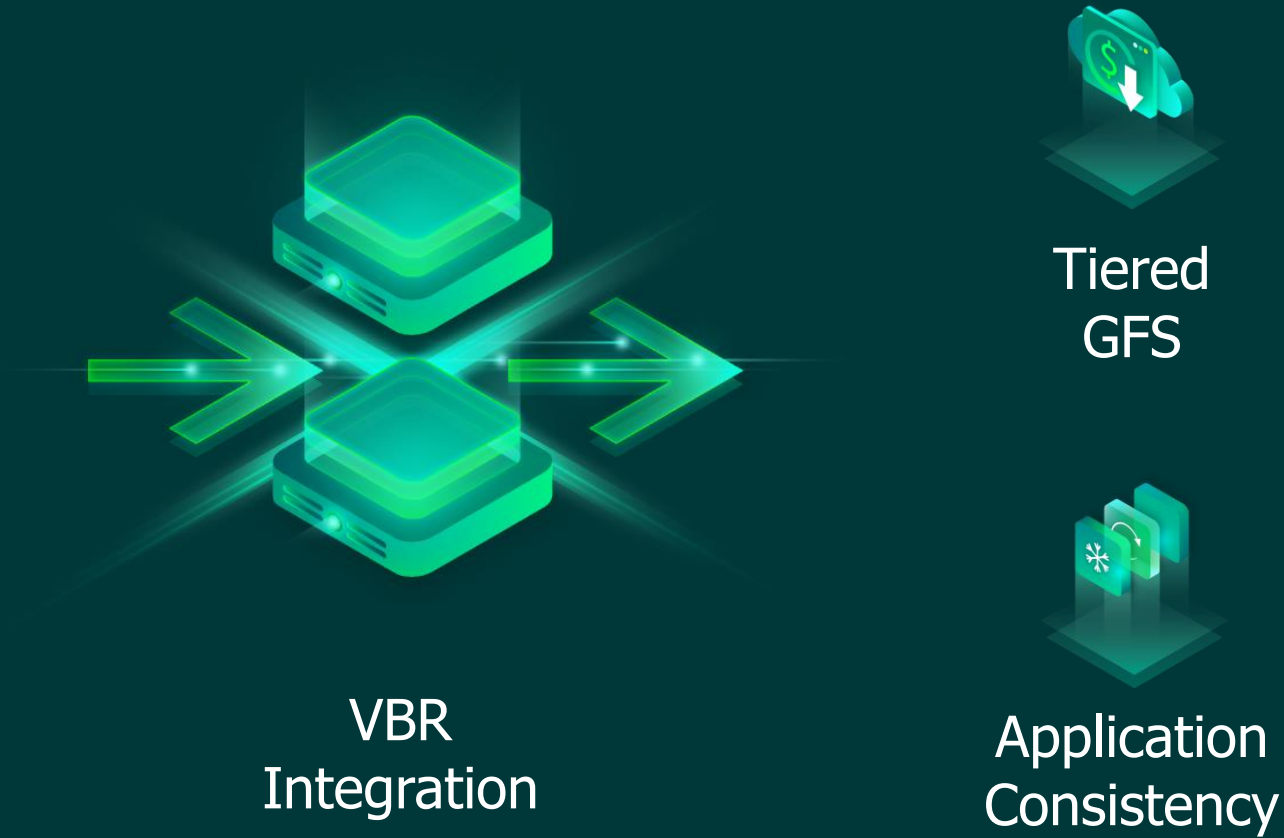
Natively protect your Azure workloads with a plug-in for Veeam Backup & Replication



New support for Google Cloud Platform

Greater choice in cloud target with Veeam Scale-out Backup Repository™ Capacity Tier

Veeam Backup *for Microsoft Azure* v2



Veeam Backup *for Microsoft Office 365* **v5**



What's new?

Microsoft Teams support

NEW Veeam Backup *for Microsoft Office 365 v5* has added **purpose-built backup and recovery for Microsoft Teams**, making it easier than ever for users to quickly find and restore Teams data, including entire teams, specific channels and settings.

Version 5 of Veeam Backup *for Microsoft Office 365* now includes:

Purpose-built Teams backup:
full control and protection over Teams data

Faster and easier recovery:
industry-leading restore options built for Teams

Unmatched eDiscovery:
enables granular search and find across Teams components



Purpose-built Teams backups

Full control and protection over Teams data

Integration with Microsoft's APIs allows backup of meta-data from the source for easier recoveries.

Backup of Teams objects, including channels, settings, applications and tabs, as well as data and components

Backup Teams as often as needed with flexible storage options (local, Azure Blob, Amazon S3, IBM Cloud, S3-Compatible, managed service provider).



Faster and easier recovery with Veeam Explorer *for Microsoft Teams*

Industry-leading restore options built for Teams

Veeam Explorer™ *for Microsoft Teams* provides easy, familiar UI to enable fast and automated restore processes.

Recover with granularity in a variety of ways, including send, save and export capabilities.

Veeam Explorer *for Microsoft Teams* brings the total number of recovery options up to 40!



Seriously powerful scalability

5x scale increase to support larger enterprises

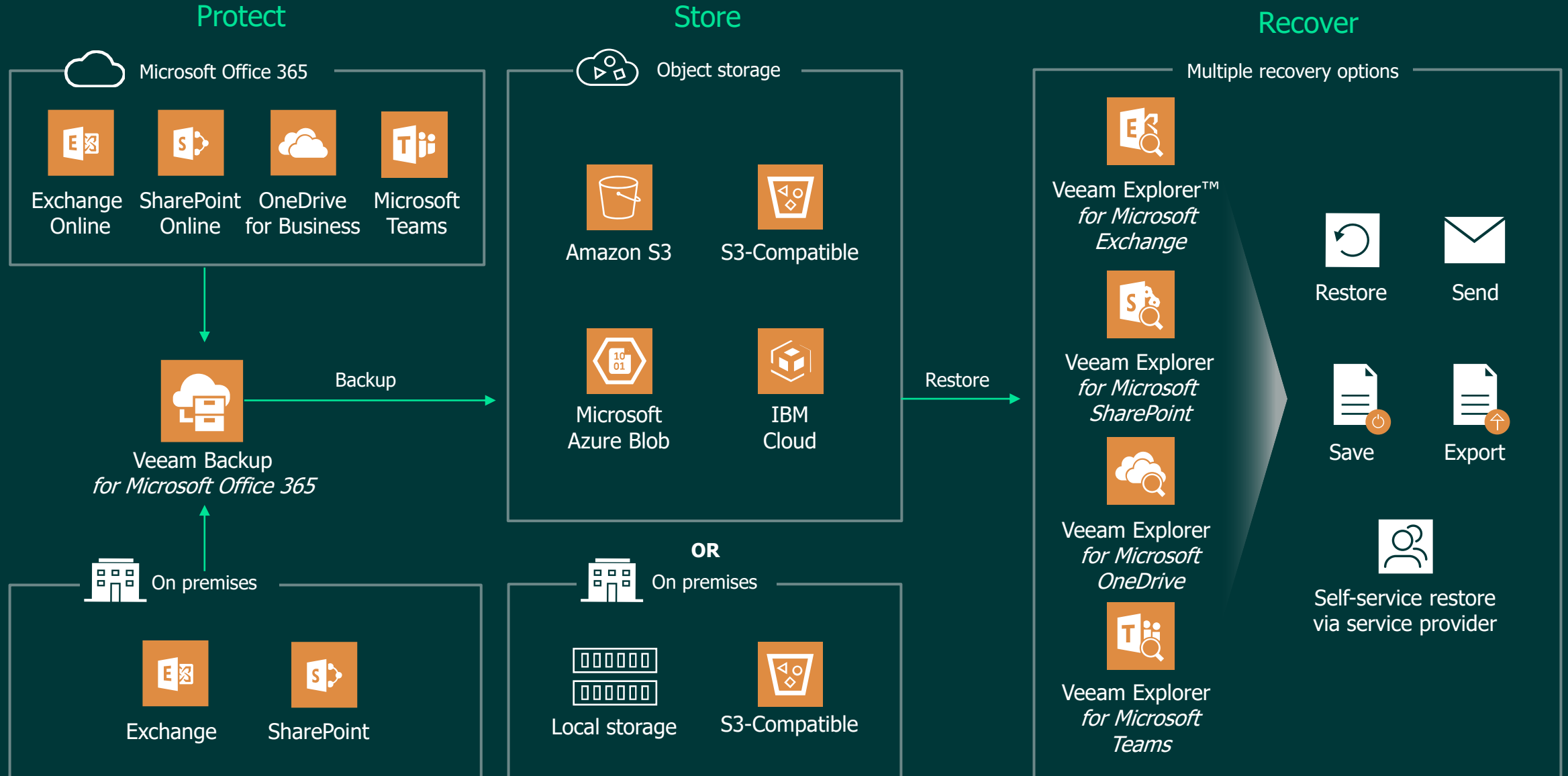
Ability to browse the UI for over 100k objects

2X faster Office 365 data movement between Jet Databases and to object storage

Parallel processing for digesting massive SharePoint Online lists, and faster PowerShell and Rest API calls that execute in seconds.



NEW Veeam Backup *for Microsoft Office 365* v5



Besten Dank! Stellen Sie uns Ihre Fragen.



Weitere Infos:
bechtle.com/ch

Vorschau.



- 16.03.2021 Webinar: Kubernetes
- 23.03.2021 Webinar: Chalk Talk – Live-Lightboard über VCF (Englisch)
- 25.03.2021 Webinar: HPE GreenLake – das Beste der Cloud, überall
- 31.03.2021 Virtual Event: Bechtle & Dell Technologies: HCI-Lösung

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