

veeAMON 2023

Operationally Consistent Protection From the Data Center to Azure



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About Sebastian



Senior Systems Engineer at Veeam®

A background in development, cloud applications, integration and cloud infrastructure. Responsible for enabling customers to build outstanding capabilities using Veeam in all three hyperscalers.

In my free time you can find me on the ski slope with my son.



About Johan



Staff Solutions Architect at Veeam

A background in operations, solutions architecture, automation, development and cloud and is responsible for joint Microsoft and Microsoft Azure technical initiatives.

In my free time, you can find me coding, hiking, paddle boarding or building something out of Legos with my three-year-old.

Agenda

- Your data is still your data. As we move from an on-premises data center to the cloud, the need for backup doesn't change.
- It comes down to portability, consistency of control across all environments and the ability to quickly restore.

We'll be demoing Veeam Backup & Replication™ integrated with Veeam Backup for Azure and have lots of room for questions

So, you "are moving
to the cloud"

or you are 100% cloud-only
these days





The promises of cloud

Efficiency:

- Lower cost
- Easier to manage
- Easier to scale

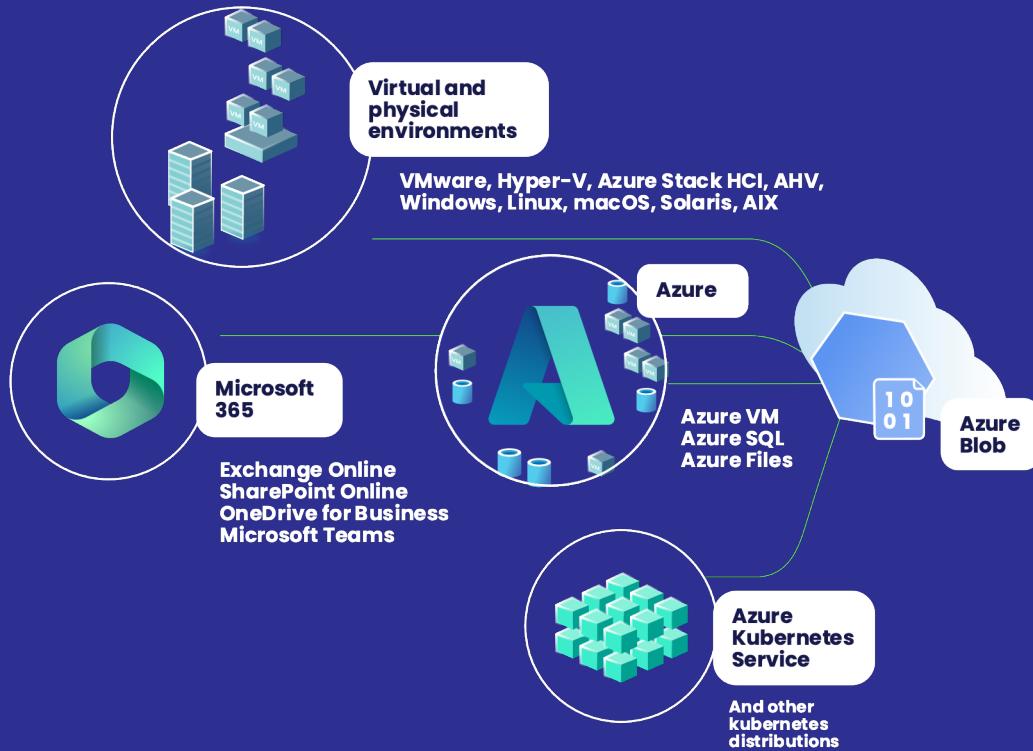
"Built on the shoulders of giants"

But things aren't always easy

- Cost gets out of control
- Lifts and shifts vs refactoring
- Performance and IOPs
- Server-based, containerized or server-less
- Networking and security
- Data management
- Silos exist on many different levels



Using backup for portability and migration



- Instant VM Recovery® of VMs into a different on-premises environment
- Direct restore backup of any VM into Azure
- Disaster recovery into Azure
- Backup of workloads in Azure
- Migrate using direct restore of any VM into Azure
- Replicate VMs from on-premises to Azure VMware solution
- 50+ restore options for M365 data
- Restore of disparate cloud native Kubernetes environments to AKS
- Protect cloud-native Kubernetes deployments with Kasten by Veeam

Let's focus on a few scenarios

Ⓐ Restore of on-premises backups to Azure



Ⓒ New workloads created in Azure



Ⓑ Forced DR in Azure

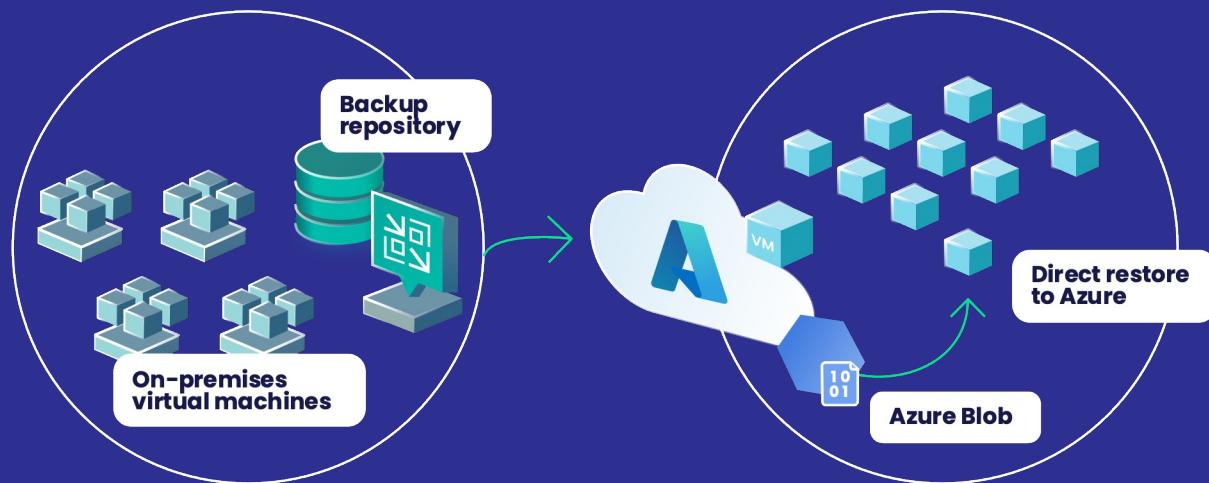


Ⓓ Switching from a different cloud to Azure



A. Restore-on premises backups to Azure

Use Veeam Backup & Replication restore to Azure Wizard,
select restore points, subscription and region and virtual machine specific settings



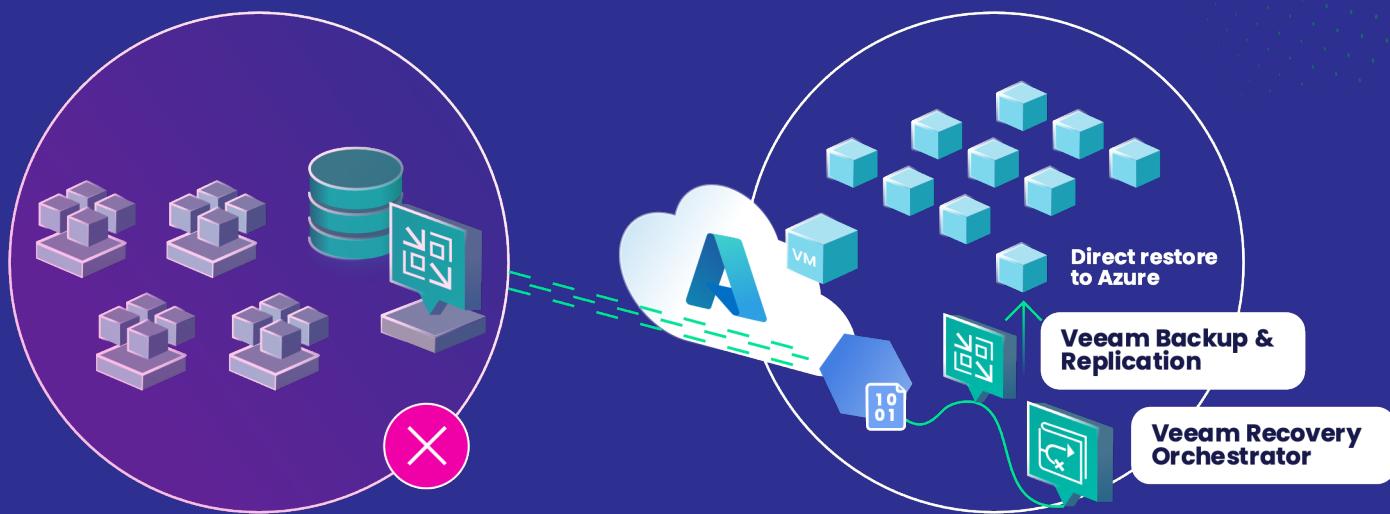
Not all workloads should stay the same:

- Use native solutions instead of multi-TiB file share VMs
- Use native solutions instead of complex cluster architectures

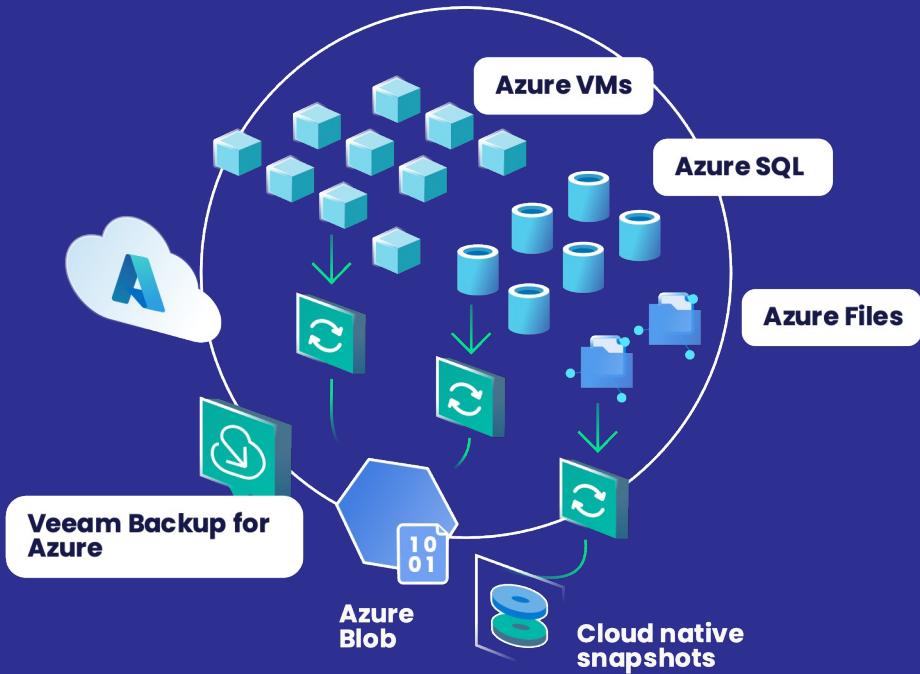
B. Disaster recovery in Azure

Ransomware hits

Use Veeam Recovery Orchestrator to restore direct to Azure



C. New workloads created in Azure

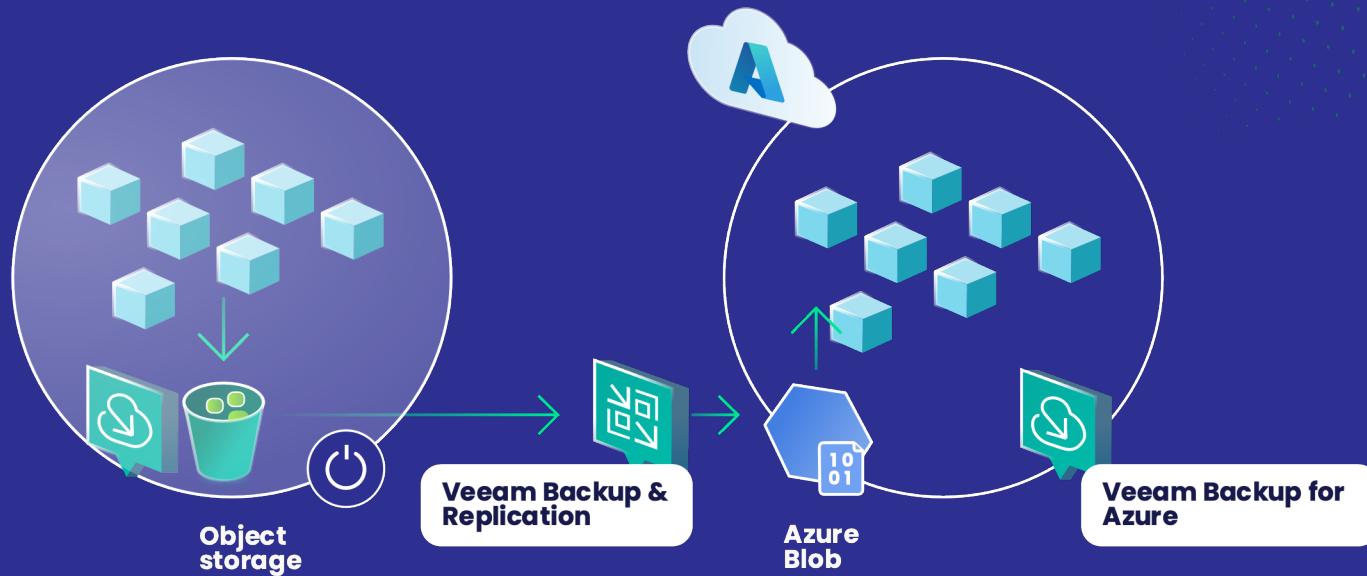


As you create new workloads
you protect them with
Veeam Backup for Azure:

- Azure VMs
- Azure SQL data
- Azure File snapshots

D. Switching from a different cloud to Azure

Use linked mode with Veeam Backup & Replication to restore workloads from a different cloud to Azure



Supported offerings on Azure



A non-exhaustive list, with ideas of how you can mix and match Veeam offerings to support the architectures you want

SQL Server on Azure Windows VMs	Supported. Can be backed up using VBR agent-based, SSMS plugin, or VBAZ agentless with VSS. Additional log backup features
SQL Server on Azure Linux VMs	Supported. Can be backed up using VBR agent-based or VBAZ agent-less with pre and post job scripts
SQL Server on Kubernetes	Supported. Can be backed up with Kasten blueprint
Azure SQL Database	Supported. Can be backed up using VBAZ policy
Azure SQL Managed Instance	Supported. Can be backed up using VBAZ policy
Oracle on Azure VMs	Supported. Can be backed up using VBR agent-based, and RMAN plugin, or VBAZ agentless with VSS, or pre and post job scripts. Additional log backup features
DB2 on Azure VMs	Supported. Can be backed up using VBR agent-based or VBAZ agent-less with pre and post job scripts
MySQL on Azure VMs	Supported. Can be backed up using VBR agent-based or VBAZ agent-less with pre and post job scripts
MySQL on Kubernetes	Supported. Can be backed up with Kasten blueprint
MongoDB on Azure VMs	Supported. Can be backed up using VBR agent-based or VBAZ agentless with pre and post job scripts
MongoDB on Kubernetes	Supported. Can be backed up with Kasten blueprint
Apache Cassandra on Kubernetes	Supported. Can be backed up with Kasten blueprint
Apache Kafka on Kubernetes	Supported. Can be backed up with Kasten blueprint
PostgreSQL Server on Azure VMs	Supported. Can be backed up using VBR agent-based, or VBAZ agentless with pre and post-job scripts. Additional log backup features
Azure Files, Azure NetApp Files	Supported using NAS backup in VBR. Azure Files SMB snapshot support in VBAZ
SAP HANA on Azure	Supported by BACKINT plugin in VBR
Epic on Azure	Supported. Can be backed up using Azure VM backup in VBAZ policy

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Demo



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Questions?

Ask us anything....

Don't forget the survey!





Thank you!

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