

Continuous Data Protection using cost-effective Azure Blob Storage for data retention, with VM recovery in the Azure VMware Solution

Overview

The Azure VMware Solution, built by Microsoft and endorsed by VMware, makes it easier than ever to protect VMware environments in the cloud with the VMware technologies users know and trust. The speed, scale, and high availability of Microsoft Azure makes it ideal for disaster recovery and business continuity services. JetStream DR for AVS enables Microsoft Azure as a target for disaster recovery, combining the economics and scalability of Azure Blob Storage with the trusted platform of the Azure VMware Solution.

JetStream DR enables users to protect VMware workloads with continuous data replication directly into scalable, cost-effective Azure Blob Storage. In response to failure in the protected environment, the VMs and their data are rehydrated from Azure Blobs and recovered in Azure VMware Solution, providing economical, scalable and highly available solution for disaster recovery and business continuity.

Key Features

IO Filters for High Performance, Continuous Data Protection

IO Filters capture and replicate data continuously as it's written to storage locally.

No snapshots are required, so in addition to near-zero RPO, on-premises application performance remains high. Filters are deployed and managed by vSphere through Storage Policy-Based Management (SPBM).

vCenter Integrated DR Management

DR administration and reporting through a management server plugin to vCenter. Define protection policies and runbooks, and select VMs for protection through the vSphere Web client GUI, RESTful APIs, or CLI. Monitor SLA compliance in real time, and trigger alerts for unexpected events or activity.

Scalable On-Premises Deployment

JetStream DR software components can scale out-linearly across a protected cluster to handle increased I/O as more VMs are added and protected. Replication logging is optimized to take advantage of high performance NVMe and NVMeoF storage resources.

VMware Ready Certified

Certified and supported by VMware, due to host-level integration through VMware vSphere APIs for IO Filtering (VAIO). Installation in the protected cluster through a VMware- signed VIB, supporting Secure Boot vSphere Hosts. Installed by vSphere across the protected cluster, IO Filters provide greater stability, compatibility and performance.

Fault-Tolerant Replication

Data transfer is resilient to network interruptions, ensuring that VM protection can continue despite interference or disruption in the network connection to the recovery site.

On-Demand Rehydration

Rehydrate VMs and their data from object storage and deploy them into AVS only when needed for recovery.

Live Fail-back

Returns VMs to protected site (once restored) without interruption to VM operation or protection.

Benefits

Continuous Data Protection for DR

- Data is replicated to Azure continuously as it's written locally
- "Near-Zero" RPO (seconds, not hours)
- No snapshots required

Cost Efficiency

- All data maintained in Azure Blob Storage until needed.
- AVS resources provisioned on demand
- Dynamically add resources to AVS clusters as needed

Compatibility

- Based on VMware IO Filters – Certified VMware Ready
- No agents required in VMs for data replication
- Supports all datastore types: VMFS, vSAN, VVOL, HCI, etc.

On Demand Scalability

- Store vast amounts of recovery data in scalable Azure Blob Storage
- Dynamically provision recovery resources in AVS
- Expand or shrink your recovery environment as your business needs change

Available through the Azure Marketplace

Manage your JetStream DR subscription license through the Azure Marketplace. Purchase and pay through the Azure Marketplace, together with your Azure Blob Storage account, and your Azure VMware Solution subscription, along with all other Azure enterprise services.

Contact:

info@jetstreamsoft.com

www.jetstreamsoft.com

