



# Azure VMware and Zerto IT Resilience Platform

Expand your hybrid cloud options with VMware in Azure

The efficiency and scalability of Azure is ideal for disaster recovery and datacenter migrations. While many workloads are good candidates to run on native Azure, some virtual machines (VMs) workloads are not.

Microsoft's **Azure VMware Solution (AVS)** is VMware vSphere running on dedicated hardware in Azure. AVS customers can use the same VMware tools used in their existing data center, including vCenter, and take advantage of Azure Services. AVS is offered as a customer dedicated and isolated hardware platform, with performance advantages for some workloads compared with normal multi-tenant public clouds.

Microsoft AVS addresses the complex VMs that ordinarily would not be suitable for public cloud and unlocks the full potential of Azure's capacity and scale. vSphere is the most common source platform for VMs, and Zerto replicates and moves VMware-based applications and data workloads from on-premises to "native" Azure and/or AVS and back.

## Key Capabilities

The Zerto IT Resilience Platform is designed to be hybrid and multi-cloud with the ability to replicate and failover between AVS, Azure and any other Hyper-V, VMware or AWS-based platform. Zerto is available in the Azure Marketplace installs in minutes and easily integrated with any Azure account.

Configuration and usage with AVS are nearly identical to a user's on-premises VMware environment. With recovery point objectives (RPOs) in seconds and recovery time objectives (RTOs) in minutes, Zerto minimizes the impact of disasters, logical corruptions and ransom-ware infections. Built on a foundation of Continuous Data Protection (CDP) with continuous replication and journal-based recovery, Zerto restores VMs, files and folders from seconds before the incident occurred. Zerto eliminates time gaps and the high data loss associated with snapshots and backups. Consistency groupings allows for DR replication, migration and recovery of all VMs associated with an application to or from "native" Azure and/or AVS in the event of an application failure, site-wide outage or planned migration. All VMs are restored as a "digital twin" of the production VMs in Azure.

## KEY HIGHLIGHTS

**Zerto is the award-winning industry leader in VMware-based disaster recovery and migration.**

### Ease of Use

Be installed and replicating in under 2 hours. No professional services, no resource overheads, simple

### Best Performance

Zerto delivers industry-best RPOs of seconds and RTOs of minutes

### No Production Impact

No agents, no snapshots, no guest VM impact. Test recovery without production impact at any time within 3 clicks

### Complete Visibility

Complete analytical view of current and historical platform performance included, enabling proactive management of your infrastructure

### Multi-Cloud Enabled

Multi-cloud capability with replication to, from, and between Microsoft Azure sites or to other public clouds

Powerful Analytics, included in the IT Resilience Platform, provide one single, comprehensive view of your entire multi-site, multi-cloud environment. Built-in intelligent dashboards provide real-time and historical analysis of the health and protection status of your applications and data. Metrics such as average RPO, network performance, and storage consumption, help you spot trends, identify anomalies, and troubleshoot issues. The powerful resource planning capability continuously monitors and analyses compute, storage and network resources across on-premises and hybrid, multi-cloud environments to help you confidently plan for resource requirements and accurately plan for future storage, compute and network resources.

## Use Cases

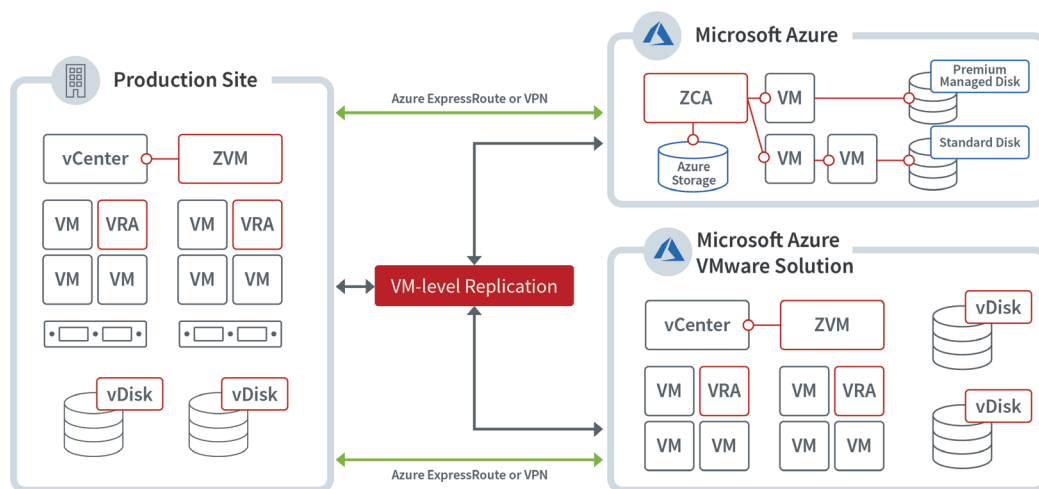
- 1. Disaster Recovery** – protect and recover an entire VMware-based data center into Azure VMware Solution, with no modifications to the VMs or management tools
- 2. Migration** – replicate, test then migrate VMware-based application groups to AVS, without the need to retrain VMware experts on Azure
- 3. Complex VMware-based Applications** – Make Azure AVS a DR target or migrate applications which are not suitable for the public cloud or require the higher performance of dedicated hardware. Alternately, DR or migrate applications into “native” Azure to optimize cost/performance. Zerto makes testing both platforms simple.

## How It Works

Continuous Data Protection is the foundation of Zerto’s IT Resilience Platform offering “always on” replication without impact to performance. Gain the ability to recover applications consistently anywhere from seconds to years ago by utilizing the Elastic Journal.

Zerto utilizes a scale-out architecture ensuring enterprise class protection of your environment no matter the size. Virtual Replication Appliances (VRA), with built-in WAN optimization and Quality-of-Service, replicate every change that is being generated in real time. The Zerto Virtual Manager (ZVM) integrates with the hypervisor management platform of choice. ZVM’s

intuitive and easy to use interface orchestrates the operations initiated by users with simplicity. In public clouds, the Zerto Cloud Appliance combines the ZVM and VRA and integrates natively, using cost efficient storage offerings, APIs, and cloud scaling features. Learn more at [zerto.com/modernize/azure/](https://zerto.com/modernize/azure/)



## About Zerto

Zerto helps customers accelerate IT transformation by eliminating the risk and complexity of modernization and cloud adoption. By replacing multiple legacy solutions with a single IT Resilience Platform, Zerto is changing the way disaster recovery, data protection and cloud are managed. With enterprise scale, Zerto’s software platform delivers continuous availability for an always-on customer experience while simplifying workload mobility to protect, recover and move applications freely across hybrid and multi-clouds. [www.zerto.com](https://www.zerto.com)