VMware on Google Cloud and Zerto IT Resilience Platform

Expand your hybrid cloud options with VMware on Google Cloud

Seamlessly and easily migrate VMware workloads to **Google Cloud** without changing your applications and take Disaster Recovery (DR) to the cloud. Continue to run your workloads natively in a private software-defined datacenter (SDDC) stack while leveraging the same tools and processes as you use on-premises today. Save time that can be used to develop next-gen hybrid apps and services while reducing the operational burden on IT. Increase business agility by unlocking intelligent insights with Google services via artificial intelligence (AI) and machine learning (ML) to analyze your data in real time and better connect with your customers.

VMware on Google Cloud runs on an isolated and dedicated all-flash, hyperconverged bare metal stack that can host your most demanding applications. In this shared-nothing environment, you have high-speed, low-latency access to Google Cloud's public services and dedicated use of all its computing power.

VMware on Google Cloud addresses complex VMs that ordinarily would not be suitable for public cloud, unlocking the full potential of Google Cloud's capacity and scale. vSphere is the most common source platform for VMs, and Zerto replicates and moves VMware-based applications and data workloads to, from, and between on-premises and Google Cloud.

Platform Capabilities

The Zerto IT Resilience Platform™ is designed for hybrid and multi-cloud with the ability to replicate and failover between Google and any other Hyper-V or VMware-based platform. Zerto provides a fast and easy way to leverage the value of the VMware on Google Cloud. Configuration and use with Google's VMware-as-a-Service are nearly identical to a user's on-premises VMware environment.

- **Continuous Data Protection:** Built on a foundation of continuous data protection (CDP) with always-on replication and journal-based recovery, Zerto helps you rewind and recover your workloads.

- **Application Consistency:** Consistency groupings allow for DR replication, migration, and recovery of all VMs associated with an application to or from VMware on Google Cloud in the event of an application failure, site-wide outage, or planned migration. All VMs are restored as a consistent "digital twin" of the production VMs in Google Cloud.

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 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 VMware on Google Cloud sites.

- **Orchestration & Automation:** Remove complex, manual processes with runbook automation. Applications will recover using pre-defined settings, which include boot order, network configuration, and optional re-IP.

- **Hybrid-Cloud Visibility:** Zerto Analytics with out of the box dashboards and reports provides complete visibility across multi-site, multi-cloud environments to ensure SLAs of the business are met. Integrated resource planning capabilities allow you to accurately plan for future storage, compute and network resources.
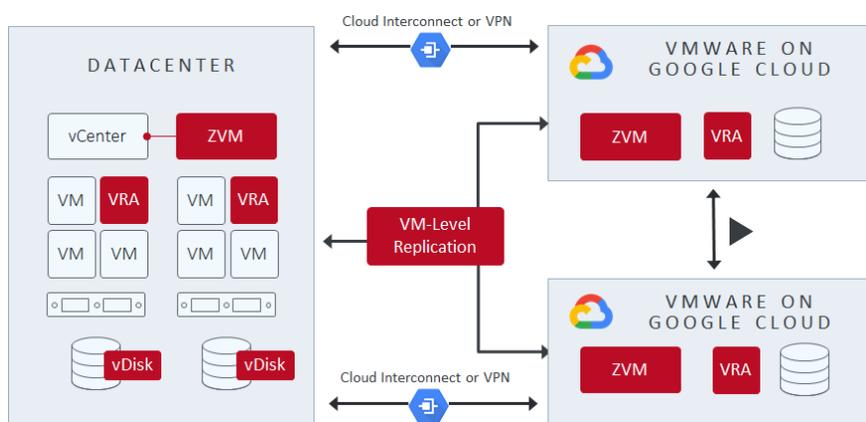
Use Cases

1. **Disaster Recovery to the cloud** – protect and recover an entire VMware-based data center into VMware on Google Cloud, with no modifications to the VMs or management tools. Replicate workloads running in Google's VMware-as-a-Service to another site for intra-cloud DR.

2. **Migrating to Google Cloud** – replicate, test, then migrate VMware-based application groups to VMware on Google Cloud, without the need to retrain VMware experts on Google Cloud.

3. **Complex VMware-based Applications** – Make Google on VMware a DR target or migrate applications that are not suitable for the public cloud or require the higher performance of dedicated hardware.

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 ago 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.

Learn more at **zerto.com/modernize/google**

[SCHEDULE A DEMO]

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