

# VMware Site Recovery Manager on Google Cloud VMware Engine

## Simplify disaster recovery management on-premises and in Google Cloud

### At a glance

VMware Site Recovery Manager™ on Google Cloud VMware Engine automates and orchestrates failover and failback, ensuring minimal downtime in case of a disaster. Built-in non-disruptive testing ensures your recovery time objectives (RTOs) are met.

VMware vSphere® Replication™ provides VM-based replication, supporting a large variety of underlying storage solutions with recovery point objectives (RPOs) ranging from 5 minutes to 24 hours.

### Why SRM on Google Cloud VMware Engine?

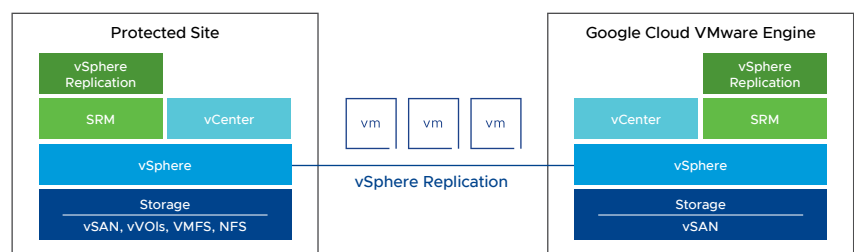
- Recover on-premises and cloud workloads leveraging Google Cloud VMware Engine
- Reduce recovery time to minutes with reliability using automated orchestration workflows
- Return to regular operations with ease using the original recovery plan through automated failback
- Protect thousands of VMs with centralized recovery plans, and eliminate manual runbooks

VMware Site Recovery Manager (SRM) on Google Cloud VMware Engine simplifies disaster recovery. Site Recovery Manager on Google Cloud VMware Engine provides policy-based management, minimizes downtime in case of disasters via automated orchestration, and enables non-disruptive testing of your disaster recovery plans. Site Recovery Manager is the only VMware-integrated solution that runs on any storage platform and is purpose-built to ensure that your Recovery Time Objectives (RTOs) are met.

VMware Site Recovery Manager on Google Cloud VMware Engine is designed for virtual machines (VMs) and scalable to manage all applications in a VMware vSphere environment. To deliver flexibility and choice, it integrates natively with VMware vSphere® Replication™.

Site Recovery Manager natively leverages the integrated benefits of VMware vSphere®, VMware NSX®, and VMware vSAN™, accessible within Google Cloud VMware Engine.

By allowing users to test and automate the migration process of applications between sites at scale with minimal or no downtime, Site Recovery Manager on Google Cloud VMware Engine fulfills the needs for a variety of use cases, such as disaster recovery, disaster avoidance, planned data center migrations, site-level load balancing and application maintenance testing. Site Recovery Manager on Google Cloud VMware Engine is designed to ensure fast and highly predictable recovery times, simplifies management through automation and minimizes the Total Cost of Ownership (TCO). Site Recovery Manager on Google Cloud VMware Engine is an industry-leading solution for enabling continuous application and workload mobility across on-premises sites and within Google Cloud environments.



**FIGURE 1:** Site Recovery Manager automates the failover and migration of virtual machines to a secondary site within Google Cloud VMware Engine.

## vSphere replication advantages: SRM on Google Cloud VMware Engine

**Minimal disaster impact:** Get RPOs as low as five minutes.

**Maximum flexibility:** Gain compatibility with vSAN and a broad ecosystem of storage arrays.

**Simplified management:** Manage directly using vSphere Web Client or VMware vRealize Orchestrator™.

### For more information

Call 877-4-VMWARE (outside North America, +1-650-427-5000), visit [vmware.com/products](http://vmware.com/products) or search online for an authorized reseller.

### Learn more

Visit the [Site Recovery Manager product page](#)

Site Recovery Manager on Google Cloud VMware Engine can be configured and deployed within a few hours. Site Recovery Manager and vSphere Replication, which are both deployed as virtual appliances, are installed at the source and target sites to ensure that neither site has dependencies on the other in a disaster. Site Recovery Manager requires a vCenter server at both the protected data center and Google Cloud VMware Engine locations for the same reason.

## Benefits: Site Recovery Manager on Google Cloud VMware Engine

- **Fast and reliable recovery:** Site Recovery Manager automates every aspect of executing a recovery plan to accelerate recovery and eliminate the risks involved with manual processes
- **Simplified disaster recovery management:** Create and manage centralized recovery plans for thousands of VM
- **Support for multiple topologies for maximized flexibility:** On-premises to Google Cloud VMware Engine, Google Cloud VMware Engine to on-premises, and inter-region between two Google Cloud VMware Engine nodes
- **Automated orchestration workflows:** Perform a DR failover or a planned migration, and failback recovered VMs to the original site, all executing the same recovery plan with a single click
- **Automated recovery of network and security settings:** Eliminate the need to re-configure IP addresses on recovered VMs via integration with NSX. Security policies are also preserved, further reducing configurations post-recovery
- **Non-disruptive recovery testing:** Perform automated failover testing as frequently as needed in an isolated network to avoid impact to production applications, and ensure regulatory compliance through detailed reports
- **Support for multiple topologies for maximized flexibility:** On-premises to Google Cloud VMware Engine, Google Cloud VMware Engine to on-premises, and inter-region between two Google Cloud VMware Engine nodes

## Licensing and packaging

For information about Site Recovery Manager on Google Cloud VMware Engine Licensing and Packaging, refer to the [SRM Licensing and Packaging Guide](#).