

# VMware Site Recovery Manager™ 8.2 and vSphere® Replication™ 8.2

Simplify DR management and increase security with Photon OS-based SRM virtual appliance

## AT A GLANCE

VMware Site Recovery Manager (SRM) is the industry-leading Disaster Recovery (DR) solution, can be consumed as a perpetual license or as-a-Service through VMware Site Recovery for VMware Cloud on AWS. SRM automates and orchestrates failover and fallback, ensuring minimal downtime in case of a disaster. Built-in non-disruptive testing ensures your Recovery Time Objectives (RTOs) are met. SRM integrates with a vast ecosystem of underlying replication technologies, providing maximum flexibility.

vSphere Replication provides VM-based replication, supporting a large variety of underlying storage solutions with Recover Point Objectives (RPOs) ranging from 5 minutes to 24 hours.

## KEY BENEFITS

- Perform frequent non-disruptive testing, even during business hours, to ensure predictable recovery objectives
- Reduce recovery time to minutes with reliability using automated orchestration workflows
- Achieve zero-downtime application mobility orchestrating live migration of virtual machines at scale across sites
- Return to regular operations with ease using the original recovery plan through automated fallback
- Protect thousands of virtual machines using centralized recovery plans and eliminate manual runbooks
- Protect investments and tailor RPOs using supported replication

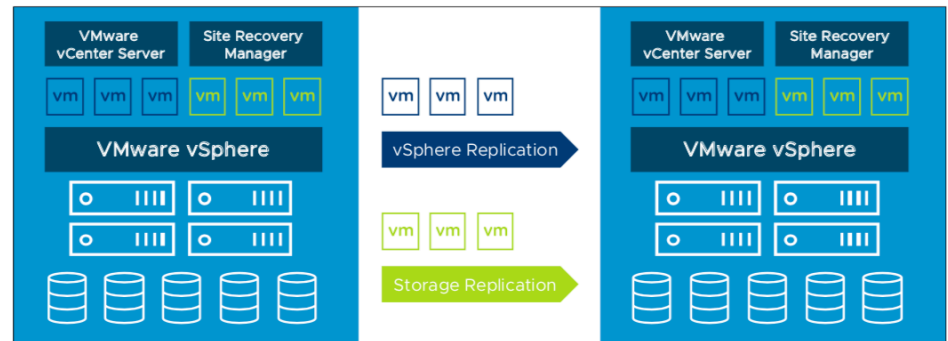


Figure 1: Site Recovery Manager automates the failover and migration of virtual machines to a secondary site. Site Recovery Manager relies on either vSphere Replication or a broad range of storage-based replication products to replicate virtual machines to the recovery site.

## What are VMware Site Recovery Manager and vSphere Replication?

VMware Site Recovery Manager (SRM) is an automation software that integrates with an underlying replication technology to provide policy-based management, automated orchestration of recovery plans to minimize downtime in case of disasters, and to conduct non-disruptive testing of your DR plans. It is designed for virtual machines and scalable to manage all applications in a VMware vSphere® environment. To deliver flexibility and choice, it integrates natively with vSphere Replication and also supports a broad range of array-based replication solutions available from all major VMware storage partners.

Site Recovery Manager natively leverages the benefits of VMware vSphere and can also take advantage of the Software-Defined Data Center (SDDC) architecture, integrating with other VMware solutions, such as VMware NSX (network virtualization) and VMware vSAN (hyperconverged infrastructure).

By allowing users to test and automate the migration process of applications between sites at scale with minimal or no downtime, Site Recovery Manager fulfills the needs for a variety of use cases, such as disaster recovery, disaster avoidance, planned data center migrations, site-level load balancing or even application maintenance testing.

Site Recovery Manager ensures fast and highly predictable recovery times, simplifies management through automation and minimizes the total cost of ownership, making it the industry-leading solution to enable application availability and mobility across sites in private cloud environments.

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VMware vSphere Replication provides hypervisor-based virtual machine replication. It protects virtual machines from partial or complete site failures by replicating the virtual machines, regardless of the underlying storage array, from a primary site to a secondary site, between two clusters in a single site, and from multiple source sites to a single target site. vSphere Replication is configured on a per-VM basis allowing fine control over which VMs are replicated. After the initial replication, only changes to the VMs are replicated to minimize network bandwidth consumption.

Site Recovery Manager and vSphere Replication power VMware Site Recovery, a new disaster recovery as-a-service (DRaaS) offering for VMware Cloud™ on AWS, that simplifies deployment, provides reliable DR capabilities, and reduces overall costs.

## VMware Site Recovery for VMware Cloud on AWS?

VMware Site Recovery™ for VMware Cloud™ on AWS simplifies traditional disaster recovery, while providing reliable and cost-effective service. The service automates workload recovery in a DR event between on-premises datacenters and VMware Cloud on AWS, as well as between different instances of VMware Cloud on AWS. Built on top of enterprise-grade DR tools (VMware Site Recovery Manager, vSphere Replication) and global mega-scale cloud infrastructure (AWS), the service provides an end-to-end disaster recovery solution that is quick to deploy and leverages existing know-how. [Learn more.](#)

## What's new in version 8.2?

Version 8.2 of Site Recovery Manager and vSphere Replication simplifies DR management and increases security with Photon OS-based SRM virtual appliance.

### New Features to Simplify day-to-day DR Management:

- Reduce layers of complexity associated with Windows Server VMs by leveraging a new operating system purpose-built for only DR functions
- Streamline DR deployment by installing the SRM virtual appliance directly from vCenter
- Automate management tasks with new SRM API methods and vRealize® Orchestrator™ plug-ins for SRM and vSphere Replication
- Increase visibility into the status of your DR protection, RPO violations and more with new SRM and vSphere Replication management packs for vRealize® Operations™



# VMware Site Recovery Manager™ 8.2

## and vSphere® Replication™ 8.2

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- Focus better on DR tasks with new Dark Mode user interface that reduces eye strain

### New Security Enhancements to Protect Your DR Configurations:

- Minimize attack-surface and security risks using a security-hardened, lean, Linux-based operating system
- Protect your data in-flight with new vSphere Replication support for encrypted VMs and network traffic encryption
- Backup your DR-plan configurations against malware or corruption with new Import/Export functions directly from the SRM interface
- Validate your security configurations with DR log forwarding to a remote syslog server

## Key Benefits and Capabilities

### Site Recovery Manager 8.2

#### Fast and Reliable Recovery

Site Recovery Manager automates every aspect of executing a recovery plan in order to accelerate recovery and eliminate the risks involved with manual processes.

- Automated orchestration workflows – perform a DR failover or a planned migration, and failback recovered virtual machines to the original site, all executing the same recovery plan with a single click.
- Automated recovery of network and security settings – Site Recovery Manager integrates with VMware NSX, eliminating the need to re-configure IP addresses on recovered virtual machines. 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.

#### Zero downtime application mobility

Site Recovery Manager can enable live migration of applications at scale between two sites when using a certified stretched solution. See the compatibility [guide](#).

- Orchestrated cross-vCenter vMotion – use recovery plans to orchestrate cross-vCenter vMotion® operations at scale when using stretched storage. Perform zero-downtime disaster avoidance and data center migrations.
- Stretched storage support – delivers benefits to both Site Recovery Manager and stretched storage users:



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- for Site Recovery Manager users, it improves recovery time and enables zero-downtime, zero-data-loss application mobility through orchestrated vMotion
- for stretched storage users, it adds the benefits of non-disruptive testing and orchestrated virtual machine recovery
- Integration with a broad range of replication solutions, allowing organizations to flexibly tailor topologies and recovery point objectives (RPO).

## Simplified DR management

From the initial setup to the on-going management, Site Recovery Manager delivers simple and policy-based operations thanks to automation and integration with SDDC technology.

- Centralized recovery plans – create and manage recovery plans for thousands of virtual machines directly from the intuitive vSphere Web Client powered by a new HTML5 user interface.
- Policy-based management – “storage-profile” protection groups identify protected datastores and automate the process of protecting and unprotecting virtual machines and adding and removing datastores from protection groups.
- Self-service provisioning – allow application tenants to provision disaster recovery protection using blueprints in VMware vRealize Automation™.

## vSphere Replication 8.2

**Minimal disaster impact** – Recovery Point Objectives (RPOs) as low as 5 minutes.

**Maximum flexibility** – Compatible with VMware vSAN and a broad ecosystem of storage arrays.

**Simplified management** – Managed directly from vSphere Web Client or using vRealize Orchestrator.

## How to buy

**Site Recovery Manager** is available in two editions to help you protect your environment according to business needs. [Learn more.](#)

Both editions of Site Recovery Manager are licensed “per protected virtual machine”.



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## LEARN MORE

For more information or to purchase VMware products, call 877- 4 - VMWARE (outside North America, +1-650 -427-5000), visit <http://www.vmware.com/products>, or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the vSphere documentation.

Visit our websites:

- <https://www.vmware.com/products/site-recovery-manager.html>
- <https://cloud.vmware.com/vmware-site-recovery>

	SRM Standard	SRM Enterprise
Licensing	Up to 75 protected VMs per site	No licensing limitation on the number of protected VMs
Features		Exclusive features: <ul style="list-style-type: none"> <li>• VMware NSX integration</li> <li>• Orchestrated cross-vCenter vMotion</li> <li>• Stretched storage support</li> <li>• Storage policy-based management</li> </ul>

Details purchase options of **VMware Site Recovery for VMware Cloud on AWS** can be found on <https://cloud.vmware.com/vmware-site-recovery>.

**vSphere Replication** is included in vSphere Essentials Plus and higher.

