



VMware® vCenter Site Recovery Manager

Automated Disaster Recovery

AT A GLANCE

VMware® vCenter Site Recovery Manager makes disaster recovery rapid, reliable and manageable, so that organizations can meet their recovery objectives. Site Recovery Manager delivers centralized management of recovery plans and automates the recovery process. It turns complex paper runbooks associated with traditional disaster recovery into an integrated element of virtual infrastructure management and allows organizations to improve recovery plan testing dramatically.

BENEFITS

- Accelerate recovery by automating execution of failover.
- Simplify the creation and management of recovery plans.
- Improve the reliability of recovery plans by simplifying recovery and testing.
- Improve compliance with disaster recovery documentation and testing requirements.

What Is VMware vCenter Site Recovery Manager?

VMware vCenter Site Recovery Manager is a pioneering disaster recovery management and automation solution for VMware Infrastructure. Site Recovery Manager accelerates recovery by automating the recovery process and simplifies management of disaster recovery plans by making disaster recovery an integrated element of managing your virtual datacenter operating system. The solution ensures reliable recovery by eliminating complex manual recovery steps and enabling non-disruptive testing of recovery plans.

Site Recovery Manager integrates tightly with VMware Infrastructure, VMware® vCenter Server and storage replication software from leading storage vendors to make failover and recovery rapid, reliable, affordable and manageable. It enables organizations to take the risk and worry out of disaster recovery, as well as expand protection to all of their important systems and applications.

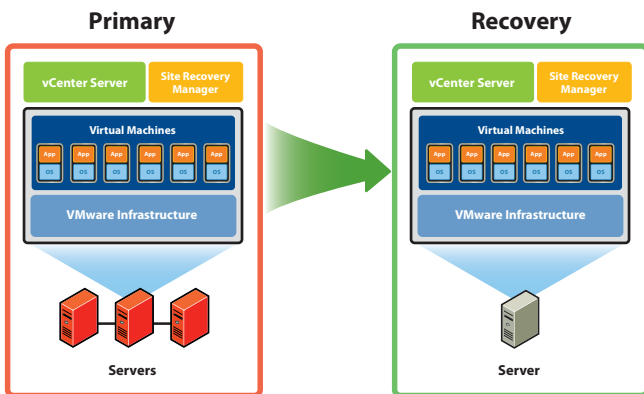
How Is Site Recovery Manager Used?

Organizations find it increasingly difficult to provide disaster recovery solutions that meet their needs. Site Recovery Manager helps organizations address the challenges of traditional disaster recovery so that they can meet their recovery time objectives (RTO) recovery point objectives (RPO) and compliance requirements. Using Site Recovery Manager, organizations can manage failover from their production datacenters to disaster recovery sites. They can also manage failover between two sites that have active workloads and act as recovery sites for each other. Site Recovery Manager also assists with planned datacenter failovers in scenarios such as datacenter migrations, by automating and simplifying the process of failing over to the new datacenter.

Using Site Recovery Manager, organizations can:

Manage disaster recovery plans. Site Recovery Manager allows organizations to create, update and document recovery plans as an integrated part of managing their VMware virtual environments. Traditional solutions for disaster recovery rely on documenting all of the steps and resources required for failover in runbooks that are difficult or impossible to keep accurate and up-to-date. With Site Recovery Manager, the steps and resources that make up the failover process are managed directly from VMware vCenter Server.

Perform non-disruptive tests of failover and recovery. Using Site Recovery Manager, organizations can execute automated tests of their recovery plans without disrupting the environment. Site Recovery Manager makes it easy to create an isolated testing environment using the recovery plan for an actual failover.



Site Recovery Manager manages and automates failover and recovery of virtual machines

KEY FEATURES

Automate failover and recovery. Site Recovery Manager makes it possible to automate execution of recovery plans, eliminating many of the slow and unreliable manual processes common in traditional disaster recovery. At the same time, Site Recovery Manager ensures that the recovery process is executed as intended.

How Does Site Recovery Work?

Site Recovery Manager helps users with the key elements of building, managing and executing disaster recovery plans. The solution plugs in to the VMware vCenter Server management interface, providing integrated management for virtual infrastructure and the disaster recovery plans for that infrastructure. Site Recovery Manager also integrates with storage replication software from leading storage vendors to simplify the use of storage replication software with VMware Infrastructure.

Site Recovery Manager simplifies and automates key elements of setting up, testing and executing recovery plans:

- **Setup recovery infrastructure.** Site Recovery Manager guides users through the process of connecting to the remote site and to the storage replication software in use. It also makes it easy to map production resources, including computing and network resources, to the corresponding resources at a recovery site.
- **Create recovery plans.** Site Recovery Manager provides an intuitive interface to help users create recovery plans for different failover scenarios and different parts of their infrastructure. Users can specify virtual machines to be suspended or shut down to free resources for recovery. They can also specify the order in which virtual machines are powered on, set user-defined scripts to execute automatically, and determine where to pause the recovery process if necessary.
- **Test recovery plans.** Site Recovery Manager automates the creation of a non-disruptive and isolated testing environment on the recovery site by leveraging the snapshot capabilities of storage arrays and connecting virtual machines to the user's isolated testing network. It automates the execution of the recovery plan to be used in an actual failover and cleans up the testing environment once testing is complete. Test results are saved for viewing and export at any time.
- **Automate failover.** Once an administrator initiates a recovery plan from VMware vCenter Server, Site Recovery Manager automates execution of the steps in the recovery plan to ensure that recovery is executed exactly as designed. Administrators have full visibility into execution

of the recovery plan through vCenter Server and can pause or stop execution at any time.

As their environment changes, users can update and modify recovery plans at any time through vCenter Server.

Key Features of Site Recovery Manager

Disaster Recovery Management

- Discover and display virtual machines protected by storage replication using integrations certified by storage vendors.
- Create and manage recovery plans directly from vCenter Server.
- Extend recovery plans with custom scripts.
- Monitor availability of remote site and alert users of possible site failures.
- Store, view and export results of test and failover execution from vCenter Server.
- Control access to recovery plans with granular role-based access controls.

Non-Disruptive Testing

- Use storage snapshot capabilities to perform recovery tests without losing replicated data.
- Connect virtual machines to an existing isolated network for testing purposes.
- Automate execution of recovery plans.
- Customize execution of recovery plans for testing scenarios.
- Automate cleanup of testing environments after completing failover tests.

Automated Failover

- Initiate recovery plan execution from vCenter Server with a single button.
- Automate promotion of replicated datastores for use in recovery scenarios with adapters created by leading storage vendors for their replication platforms.
- Execute user-defined scripts and halts during recovery.
- Reconfigure virtual machines' IP addresses to match network configuration at failover site.
- Manage and monitor execution of recovery plans within vCenter Server.

Find Out More

For information or to purchase VMware products, call 1-877-4VMWARE (outside of North America dial +1-650-427-5000), visit www.vmware.com/products, or search online for an authorized reseller. For detailed product specifications and systems requirements, please refer to the Site Recovery Manager install and configure guide.