

VMware Site Recovery Manager: Install, Configure, Manage

Delivery Methods

- Classroom
- Live Online
- [Onsite](#)

Course Duration

- Two (2) days of instructor-led training
- 60% lecture, 40% hands-on lab

Target Audience

vSphere administrators, architects, system engineers, and systems integrators who are responsible for the deployment or management of Site Recovery Manager

Course Suitability

- | | |
|---|--|
| <input checked="" type="checkbox"/> Administrator | <input type="checkbox"/> Expert |
| <input checked="" type="checkbox"/> Engineer | <input checked="" type="checkbox"/> Advanced |
| <input type="checkbox"/> Architect | <input checked="" type="checkbox"/> Professional |
| | <input type="checkbox"/> Fundamentals |

Prerequisites

This class requires completion of one of the following courses:

- [VMware vSphere: Install, Configure, Manage \[V6\]](#)
- [VMware vSphere: Fast Track \[V6\]](#)
- [VMware vSphere: What's New \[V5.5 to V6\]](#)
- [VMware vSphere: Troubleshooting Workshop \[V5.5\]](#)

Or equivalent knowledge and administration experience with VMware ESXi™ and VMware vCenter Server™.

Pricing

Contact your VMware representative or a VMware Authorized Training Center for pricing information.

More Information

Courses are conveniently scheduled around the world. Go to [VMware Education](#) to find the class that is right for you.



Course Overview

This two-day, hands-on training course gives experienced VMware vSphere® administrators the knowledge to install, configure, and manage VMware Site Recovery Manager™ 6.1. This course also shows you how to write and test disaster recovery plans that use Site Recovery Manager.

Course Objectives

By the end of the course, you should be able to meet the following objectives:

- Summarize the components of Site Recovery Manager architecture
- Install Site Recovery Manager software
- Describe the principal disaster recovery topologies that are used with Site Recovery Manager
- Describe the storage replication options that are used with Site Recovery Manager
- Describe VMware vSphere® Replication™ functionality
- Describe the vSphere Replication architecture
- Deploy and configure vSphere Replication for use with Site Recovery Manager
- Configure inventory and resource mappings
- Build Site Recovery Manager protection groups based on vSphere Replication
- Build, edit, execute, test, and remove a recovery plan
- Perform a planned migration
- Perform reprotect and failback using Site Recovery Manager and vSphere Replication

Course Modules

<p>1 Course Introduction</p> <ul style="list-style-type: none"> • Outline the necessary information to effectively undertake this course • Identify resources for additional information • Outline an overview of Site Recovery Manager 	<p>5 Deploying Replication</p> <ul style="list-style-type: none"> • Describe storage replication adapters • Describe the process for adding an array manager in Site Recovery Manager • Explore vSphere Replication architecture • Examine vSphere Replication functionality • Formulate use cases for vSphere Replication • Deploy a vSphere Replication appliance • Configure vSphere Replication appliance settings • Configure a vSphere Replication appliance connection • Deploy a vSphere Replication server • Register a vSphere Replication server
<p>2 Overview and Architecture</p> <ul style="list-style-type: none"> • Examine disaster recovery options with Site Recovery Manager • Describe Site Recovery Manager integration with VMware vSphere® Web Client • Discuss Site Recovery Manager features • Analyze Site Recovery Manager storage policies and integration options • Discuss how Site Recovery Manager supports several disaster recovery topologies • Identify use cases for Site Recovery Manager across various scenarios • Compare disaster recovery with VMware vCloud® Air™ and Site Recovery Manager 	<p>6 Configuring Inventory Mappings</p> <ul style="list-style-type: none"> • Outline the importance of inventory mappings • Examine configuration options for inventory mappings • Outline the importance of placeholders
<p>3 Installing Site Recovery Manager</p> <ul style="list-style-type: none"> • Identify the necessary components to deploy and use Site Recovery Manager • Describe prerequisites for installing a Site Recovery Manager server and the associated database • Describe prerequisites for the Site Recovery Manager database • Discuss requirements for ESXi hosts and virtual machines with which Site Recovery Manager operates • Install the Site Recovery Manager software • Describe the Site Recovery Manager site-pairing process • Define the credentials required for Site Recovery Manager site pairing 	<p>7 Configuring vSphere Replication</p> <ul style="list-style-type: none"> • Configure vSphere Replication for virtual machines • Explain the importance of datastore mappings • Describe vSphere Replication recovery point objective scheduling • Describe vSphere Replication disk transfer protocol
<p>4 Storage Replication</p> <ul style="list-style-type: none"> • Describe array-based replication • Describe vSphere Replication • Compare Site Recovery Manager storage replication options 	<p>8 Building Protection Groups</p> <ul style="list-style-type: none"> • Define protection group functionality • Examine the differences between array-based protection groups, protection groups based on vSphere Replication, and storage profile protection groups • Create a protection group • Discuss protection group settings • Remove protection from a virtual machine • Create a storage profile protection group



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9 Building Recovery Plans

- Discuss recovery plan concepts
- List recovery plan steps
- Discuss network planning
- Discuss customization options in recovery planning
- Recognize Site Recovery Manager alarm options
- Outline how to implement a recovery plan
- Investigate recovery plan options
- Describe the customization of recovery plans

10 Testing and Running a Recovery Plan

- Discuss use cases for Site Recovery Manager
- Describe planned migration
- Identify Site Recovery Manager workflows
- Discuss the importance of VMware vSphere® VMFS resignaturing
- Examine Site Recovery Manager integration with various vSphere technologies
- Outline how to conduct a recovery plan test
- Perform recovery plan test execution
- Identify the effects on the storage layer during recovery steps
- Review recovery plan reports
- Explain a recovery plan execution in planned migration or disaster recovery mode
- Understand storage layer changes for plan execution types
- Identify the recovery steps for each execution type
- Describe how to reprotect a data center
- Examine failback steps



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