

VMware Site Recovery Manager: Install, Configure, Manage



Course Description

This two-day, hands-on training course gives experienced VMware vSphere® administrators the knowledge to install, configure, and manage VMware Site Recovery Manager™ 8.2. This course also shows you how to write and test disaster recovery plans that use Site Recovery Manager.

Course Duration:

2 days

Prerequisites:

This class requires completion of one of the following courses:

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

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

Objectives:

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

- Summarize the components of Site Recovery Manager architecture
- Deploy and configure the Site Recovery Manager appliance
- Describe the principal disaster recovery topologies that are used with Site Recovery Manager
- Configure inventory and resource mappings
- Describe the storage replication options that are used with Site Recovery Manager
- Configure Site Recovery Manager to leverage array-based replication
- Describe VMware vSphere® Replication™ functionality
- Describe the vSphere Replication architecture
- Deploy and configure vSphere Replication for use with Site Recovery Manager
- 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 Outline:

1. Course Introduction
 - Outline the necessary information to effectively undertake this course
 - Identify resources for additional information
2. Overview and Architecture
 - Discuss Site Recovery Manager architecture
 - Examine disaster recovery options with Site Recovery Manager
 - Describe Site Recovery Manager integration with VMware vSphere® 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
 - Describe how VMware Site Recovery™ for VMware Cloud™ on AWS integrates with Site Recovery Manager.
3. Deploy & Configure Site Recovery Manager
 - Identify the requirements to deploy Site Recovery Manager
 - Discuss the benefits of the Site Recovery Manager appliance
 - Explore vSphere deployment models
 - Deploy the Site Recovery Manager appliance
 - Navigate the Site Recovery Manager configuration user interface
 - Describe the process to register Site Recovery Manager with VMware vCenter Server®
 - Configure site pairing
 - Identify how to perform updates to the Site Recovery Manager appliance
 4. Configuring Inventory Mappings
 - Outline the importance of inventory mappings
 - Examine configuration options for inventory mappings
 - Outline the importance of placeholders
 5. Using Array-based Replication
 - Describe array-based replication
 - Discuss the role of the Storage Replication Adapter (SRA)
 - Explore the relationship between devices, consistency groups and datastore groups
 - Configure array pairs
 6. vSphere Replication
 - 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
 7. Replicating Virtual Machines with vSphere Replication
 - Configure vSphere Replication for virtual machines
 - Explain the importance of datastore mappings
 - Describe vSphere Replication recovery point objective scheduling
 - Describe the vSphere Replication disk transfer protocol
 8. Building Protection Groups
 - 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
 9. Building Recovery Plans
 - Discuss recovery plan concepts

- List recovery plan steps
 - Discuss network planning
 - Discuss customization options in recovery planning
 - Outline how to implement a recovery plan
 - Investigate recovery plan options
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
 - 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
11. Monitoring and Troubleshooting
- Discuss Site Recovery Manager alarms
 - Explore Site Recovery Manager history reports
 - Configuring advanced Site Recovery Manager settings
 - Describe how to modify logging levels
 - Explain how to collect log bundles
 - Identify key log locations

Who Should Attend

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