

VMware Site Recovery Manager: Install, Configure, Manage

Duration: 2 Days

Course Description:

The VMware Site Recovery Manager: Install, Configure, Manage [V8.6] course is designed to educate IT professionals on how to install, configure, and manage the VMware Site Recovery Manager (SRM) 8.6 solution. This comprehensive training covers the architecture of SRM, its Integration with VMware products, Licensing options, and supported Disaster Recovery topologies. Learners will gain hands-on experience with deploying and Configuring SRM, setting up Inventory mappings, and leveraging both Array-based replication and vSphere Replication to protect virtual machines. The course delves deep into the creation and management of Protection groups and Recovery plans, executing Disaster Recovery and Planned migrations, as well as monitoring and Troubleshooting SRM environments. By completing this course, learners will acquire the skills necessary to effectively operate a reliable Disaster Recovery strategy using VMware Site Recovery Manager, ensuring business continuity and IT resilience.

Target Audience:

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

Prerequisites:

Before taking this course, you should have completed the following course(s):

- VMware vSphere: Install, Configure, Manage [V7.x]
- VMware vSphere: Fast Track [V8.x]
- VMware vSphere: What's New [V7 to V7 Update 2]
- VMware vSphere: Troubleshooting Workshop [V7]

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

Course 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 array-based protection groups, protection groups based on vSphere Replication, and
- Virtual Volumes protection groups.
- Build, edit, execute, test, and remove a recovery plan
- Perform a planned migration

Course Outlines:

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Site Recovery Manager Architecture

- Describe Site Recovery Manager architecture
- Identify disaster recovery options with Site Recovery Manager
- Evaluate how Site Recovery Manager integrates with VMware products
- Describe Site Recovery Manager licensing options
- List the disaster recovery topologies supported by Site Recovery Manager
- Describe how VMware Site Recovery for VMware Cloud on AWS integrates with Site Recovery Manager

3 Deploying and Configuring Site Recovery Manager

- Identify the vSphere and vCenter Server requirements for deploying Site Recovery Manager
- Define Site Recovery Manager virtual appliance
- system requirements
- Deploy the Site Recovery Manager appliance
- Navigate the Site Recovery Manager configuration UI
- Describe the process for registering Site Recovery Manager with vCenter Server
- Describe how to start and stop services in Site Recovery Manager
- Identify ways to perform updates to the Site Recovery Manager appliance
- Describe the options for accessing the Site Recovery Manager
- Describe the process for configuring site pairing
- Describe how to import and export Site Recovery Manager configuration

4 Configuring Inventory Mappings

- Explain the importance of inventory mappings
- Identify configuration options for inventory mappings
- Describe the importance of placeholder virtual machines and datastores
- Describe the importance of the vSphere inventory changes for Site Recovery Manager operation

5 Using Array-Based Replication

- Describe array-based replication
- Describe Storage Replication Adapters and explain their role for the array-based replication
- Describe the concept and configuration of array pairs
- Describe datastore groups and the relationship between devices and datastore groups
- Describe the role of consistency groups
- Identify the advantages of array-based replication

6 vSphere Replication

- Describe Site Recovery Manager with vSphere Replication Architecture
- Discuss the role of vSphere Replication components
- Discuss use cases for vSphere Replication
- Discuss system requirements and operational limits of vSphere Replication
- Determine how to calculate bandwidth requirements for vSphere Replication
- Identify the advantages of vSphere Replication
- Deploy a vSphere Replication appliance
- Configure a vSphere Replication appliance and register it with vCenter Server
- Pair vSphere Replication appliances
- Deploy an additional vSphere Replication server
- Register a vSphere Replication server with a vSphere Replication management server

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