

# VMware Site Recovery Manager: Install, Configure, Manage [V8.6]

Kód kurzu: VMWSRM

Toto dvoudenní praktické školení poskytuje zkušeným administrátorům VMware vSphere® znalosti o instalaci, konfiguraci a správě VMware Site Recovery Manager™ 8.2. Tento kurz také ukazuje, jak sepsat a testovat plán obnovy po havárii za použití Site Recovery Manager.

## Pro koho je kurz určen

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

## Co Vás naučíme

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

## Požadované vstupní znalosti

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™.

## Studijní materiály

Studijní materiál VMware

## Osnova kurzu

### 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

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- 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

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- 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

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