

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

Kód kurzu: VMWSRM

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.

## Pre koho je kurz určený

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

## Čo 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 vstupné 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™.

## 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
- 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.

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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## 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

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Tel.: +420 226 201 390  
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[info@gopas.cz](mailto:info@gopas.cz)

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- 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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