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® ClientTM

• 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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