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

Cel szkolenia:

This hands-on training course teaches VMware vSphere® administrators how to install, configure, and manage VMware Site Recovery Manager™ 8.6. This course also shows how to write and test disaster recovery plans that use Site Recovery Manager.

Course objectives

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

- 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 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

Audience

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

Plan szkolenia:

- Course Introduction

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- Introductions and course logistics
- Course objectives

- 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
- 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
  - 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
- 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
- Using Array-Based Replication
  - Describe array-based replication

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- 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

- 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
- Replicating VMs Using vSphere Replication
  - Describe the replication process used by vSphere Replication
  - List vSphere Replication replica states
  - Describe vSphere Replication of encrypted virtual machines
  - Describe vSphere native key provider
  - Describe how to configure vSphere Replication
  - Discuss vSphere Replication RPO settings
  - Describe MPIT instances
  - Describe additional vSphere Replication settings
  - Describe how to disable vSphere Replication
- Protection Groups
  - Define protection group functionality
  - Examine the differences between array-based protection groups, protection groups based on vSphere Replication and Virtual Volumes protection groups
  - Create a protection group
  - View a placeholder virtual machine in the inventory
  - Configure protection for virtual machines and edit protection groups
- Recovery Plans
  - Discuss recovery plan concepts

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- Discuss network planning
- Discuss the organization of storage for recovery plans
- Describe customization options in recovery planning
- Describe priority groups and VM dependencies
- Describe how to implement a recovery plan
- Configure VM recovery plan properties
- Describe the customization of recovery plans
- Configure additional steps in the recovery plan
- Delete a recovery plan

- Executing Recovery Plans
  - Discuss use cases for Site Recovery Manager
  - Describe planned migration
  - Identify Site Recovery Manager workflows
  - Examine Site Recovery Manager integration with various vSphere technologies
  - Describe how to conduct a recovery plan test
  - Perform a recovery plan test
  - Identify the effect on the storage layer during the test recovery steps
  - Review the recovery plan test steps
  - Describe how to cancel a recovery plan test and clean up after recovery plan test cancelation
  - Explain a recovery plan execution in planned migration or disaster recovery mode
  - Identify recovery steps for each execution type
  - Describe a forced recovery
  - Explain the importance of reprotection processes and states
  - Examine failback steps
  - Describe how to reprotect a data center
- Monitoring and Troubleshooting
  - Identify Site Recovery Manager alarm options
  - Generate Site Recovery Manager recovery plan history reports
  - Configure Site Recovery Manager advanced settings
  - Identify Site Recovery Manager logs
  - Describe the vRealize Operations management pack for Site Recovery Manager

Wymagania:

Before taking this course, you should complete one of the following courses (or have equivalent knowledge and administration experience with VMware ESXi™ and VMware vCenter Server™):

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- VMware vSphere: Install, Configure, Manage
- VMware vSphere: Fast Track
- VMware vSphere: What’s New
- VMware vSphere: Troubleshooting

Poziom trudności

Certyfikaty:

After completing the course, participants receive a certificate of completion of an authorized VMware course.

Prowadzący:

Authorized VMware Trainer.

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