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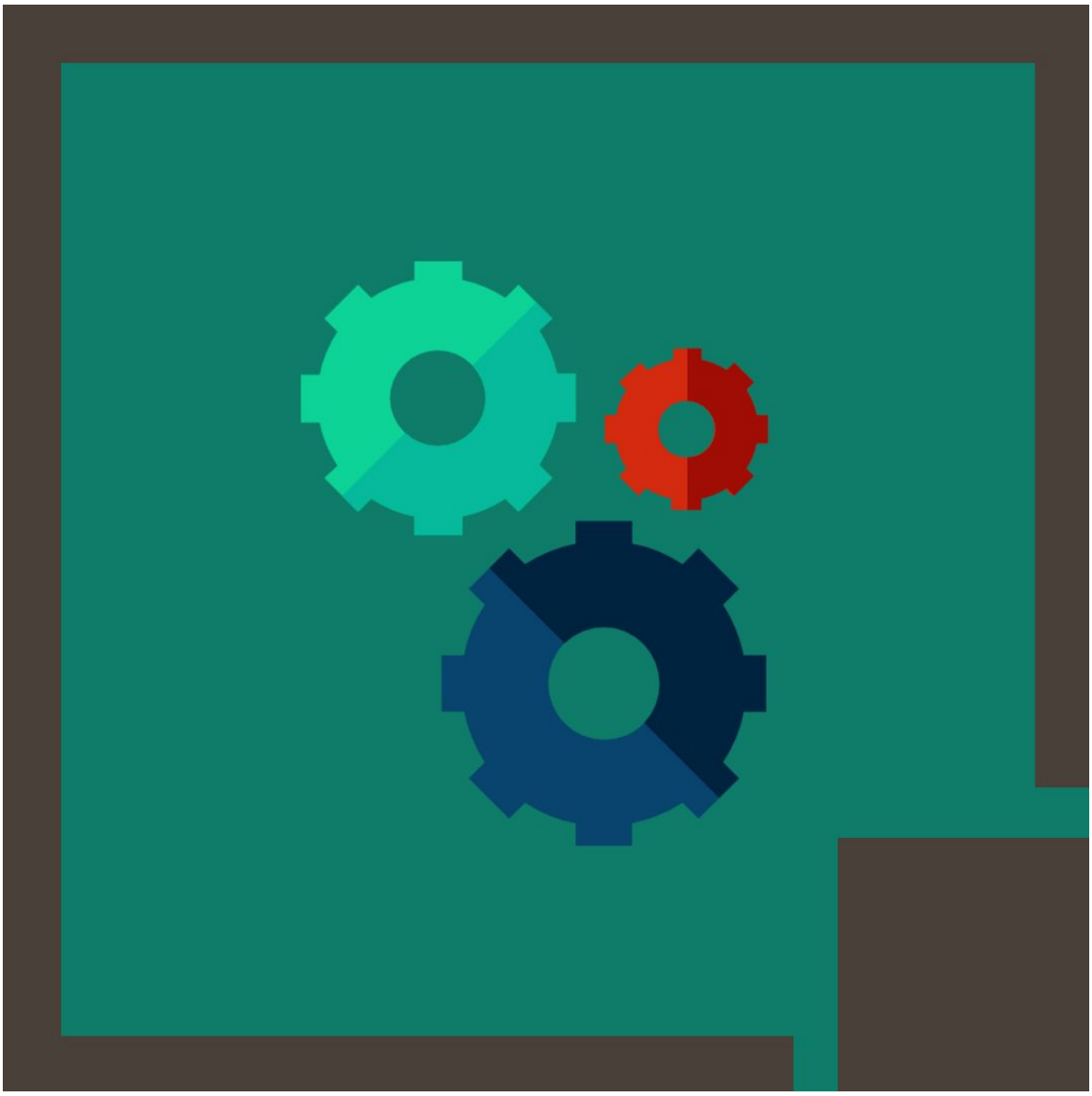
Learning Style: Virtual Classroom

Technology: VMware

Difficulty: Intermediate

Course Duration: 2 Days

VMware Site Recovery Manager: Install, Configure, Manage 8.2



About this Course:

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.

The average salary for Vmware Administrator is **$79,168** per year.

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 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

Audience:

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

Prerequisites:

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™.

Course Outline:

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
- 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
- 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