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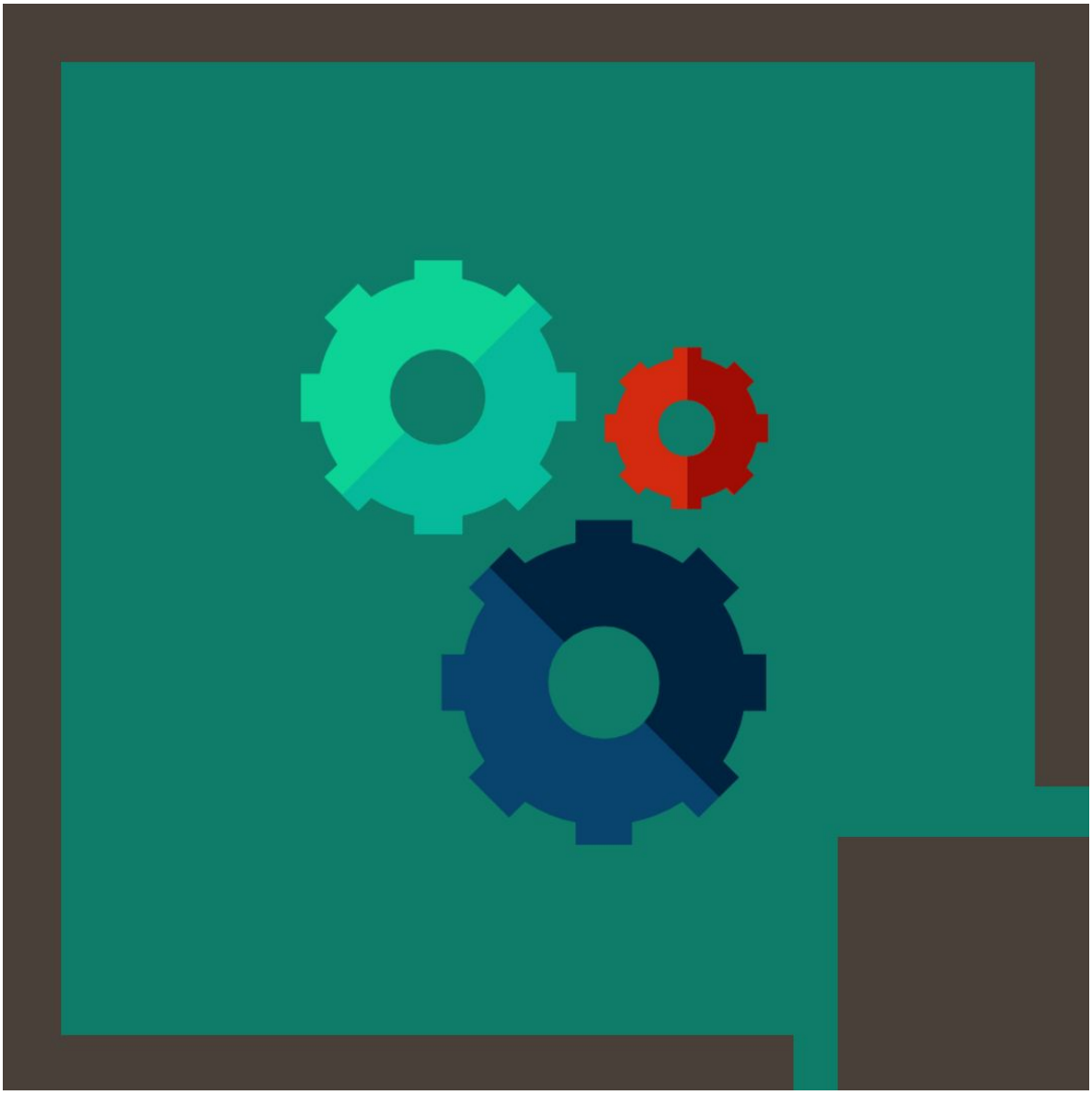
Learning Style: Virtual Classroom

Technology: VMware

Difficulty: Intermediate

Course Duration: 2 Days

VMware Site Recovery Manager: Install, Configure, Manage 8.6



About this Course:

VMware Site Recovery Manager (SRM) Install, Configure, Manage [V8.6] certification training focuses on understanding and deploying SRM features, to ensure a seamless and successful disaster recovery plan. Topics covered in this course include installation and configuration, implementing storage replication, managing protection for VMs, orchestrating the recovery process, disaster recovery operations, and conducting disaster recovery tests. This training course helps participants attain the necessary skills and knowledge to avoid and manage disaster scenarios that can impact their organization's IT infrastructure and business processes.

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:

- Experience with VMware vSphere: Participants should have familiarity with the administration of VMware vSphere environments, including VMware ESXi, VMware vCenter, and VMware vSAN.
- Storage Concepts: A basic understanding of storage replication technologies and disaster recovery concepts.
- Networking Knowledge: A foundation in networking concepts, including understanding of VLANs, IP addressing, and routing.
- Virtual Machine Management: Knowledge of how to create, configure, and manage virtual machines in a vSphere environment.
- VMware vSphere Storage Policy-based Management: Participants should understand how VMware vSphere storage policies are used and managed

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

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