

## **VMware vCenter Site Recovery Manager: Install, Configure, Manage [V5.8]**

**Duration: 2 Days**

### **Overview:**

This two-day, hands-on training course equips experienced VMware vSphere® administrators with the knowledge to install, configure, and manage VMware vCenter™ Site Recovery Manager™ 5.8. This course also equips vSphere administrators with the knowledge to assist in writing and testing disaster recovery plans that use vCenter Site Recovery Manager.

### **Objectives:**

- Summarize the components of vCenter Site Recovery Manager Architecture
- Install vCenter Site Recovery Manager 5.8 software
- Understand storage replication options used with vCenter Site Recovery Manager
- Deploy and configure VMware vSphere® Replication™ for use with vCenter Site Recovery Manager
- Configure inventory mappings in vCenter Site Recovery Manager
- Build protection groups based on vSphere Replication
- Build and test a recovery plan
- Perform reprotect and failback operations following recovery plan execution

### **Intended Audience:**

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

### **Prerequisites:**

- Completion of VMware vSphere: Install, Configure, Manage or equivalent experience
- Basic knowledge of disaster recovery concepts
- Basic knowledge of storage array technology

### **Course Outline:**

1. Course Introduction
  - Introductions and course logistics
  - Course goals and objectives
  - About vCenter Site Recovery Manager
  - VMware online resources
  - vCenter Site Recovery Manager product documentation
2. Overview and Architecture
  - Describe how vCenter Site Recovery Manager is used for disaster recovery
  - Use the VMware vSphere® Web Client as the interface for vCenter Site Recovery Manager

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- Discuss vCenter Site Recovery Manager features
- Compare different vCenter Site Recovery Manager Architecture topologies

### 3. Installing VMware vCenter Site Recovery Manager

- Identify version requirements for the vSphere and vCenter elements that operate with vCenter Site Recovery Manager
- Describe requirements for installing vCenter Site Recovery Manager Server software
- Discuss alternatives for the vCenter Site Recovery Manager database
- Install the vCenter Site Recovery Manager software
- Describe the site pairing process
- Define the credentials required for pairing sites

### 4. Storage Replication

- Describe how array-based replication operates with vCenter Site Recovery Manager
- Describe how vSphere Replication operates with vCenter Site Recovery Manager
- Compare array-based replication and vSphere Replication as options to work with vCenter Site Recovery Manager

### 5. Deploying Replication

- Describe storage replication adapters
- Describe the process for adding an array manager to vCenter Site Recovery Manager
- Describe vSphere Replication architecture with vCenter Site Recovery Manager
- Describe the components of vSphere Replication
- Define use cases for vCenter Site Recovery Manager using 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

### 6. Configuring Inventory Mappings

- Describe inventory mappings
- Describe network mappings
- Discuss placeholder datastores
- Refresh inventory mappings when recovery site changes are made

## 7. Configuring vSphere Replication

- Describe vSphere Replication recovery point objective (RPO) scheduling
- Describe retaining multiple points in time (MPIT) instances
- Configure vSphere Replication for virtual machines
- Explain how vSphere Replication stores replicated data
- Discuss configuring vSphere Replication target servers

## 8. Building Protection Groups

- Define the function of vCenter Site Recovery Manager protection groups
- Describe array-based protection groups
- Describe vSphere Replication protection groups
- Create a protection group
- Configure protection group settings
- Remove protection from a virtual machine

## 9. Building Recovery Plans

- Discuss how recovery plans protect virtual machines
- Discuss network planning for recovery plans
- Describe how recovery plans can be customized
- Discuss monitoring recovery plan activity using VMware vCenter™ alarms
- Create a recovery plan
- Configure virtual machine properties in a recovery plan
- Remove a recovery plan

## 10. Testing and Running a Recovery Plan

- Compare planned migration and disaster recovery using recovery plans
- Describe the differences between testing and running a recovery plan
- Describe how vCenter Site Recovery Manager works with various vSphere technologies and components
- Describe how to run a recovery plan
- Identify the recovery steps for planned migration and disaster recovery
- Discuss using the Force Recovery option for recovery plans
- Describe reprotect and failback operations and why they are necessary
- Perform a reprotect operation
- Perform a failback operation