

# VM-VCSRM (VMWARE VCENTER SITE RECOVERY MANAGER: INSTALL, CONFIGURE, MANAGE) 5.8

## Objetivo

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. By the end of the course, you should be able to meet the following 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

## Público Alvo

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

## Pré-Requisitos

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

## Carga Horária

16 horas (2 dias).

## Conteúdo Programático

### 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
- 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