

## Course Outline

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# VMware vCenter Site Recovery Manager: Install, Configure, Manage V5.5

**Duration:** 2.5 days (15 hours)

### Objectives

This hands-on training course equips experienced VMware vSphere® administrators with the knowledge to install, configure, and manage VMware® vCenter™ Site Recovery Manager™ 5.1. This course also equips vSphere administrators with the knowledge to assist in writing and testing disaster recovery plans that use SRM. This course is not required for any VMware® certification, but the content of the course is a subset of the knowledge tested in the VMware Certified Design Expert examination.

- Install SRM 5.1
- Understand the storage replication options
- Deploy and configure VMware vSphere® Replication (VR)
- Configure inventory and resource mappings
- Build protection groups based on VR
- Create, edit, execute, and test a recovery plan
- Perform a planned migration
- Perform a reprotect and a failback

### Target Audience

- vSphere administrators
- Architects
- System Engineers
- Systems integrators who are responsible for the deployment or management of SRM

### Prerequisites:

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

### Topics Covered:

- Course Introduction
  - Introductions and course logistics
  - Course goals and objectives
- VMware vCenter Site Recovery Manager Overview and Architecture
  - Describe how SRM can be used for disaster recovery
  - List SRM features

- Installing VMware vCenter Site Recovery Manager
  - Describe the SRM architecture and components
  - Identify the necessary components to deploy and use SRM
  - List SRM prerequisites and guidelines
  - Install the SRM software and the VMware® vCenter™ Site Recovery Manager™ Plug-In
  - Configure an SRM site pair
- Storage Replication
  - Discuss SRM architecture when used with array-based replication
  - Discuss VR technology
- Deploying Replication
  - Deploy and configure a vSphere Replication appliance
  - Deploy and configure a VR server appliance
  - Describe the architecture of VR
  - Describe the process for adding an array manager
- Configuring Inventory Mappings
  - Configure SRM inventory and network mappings
  - Configure placeholder datastores
- Configuring vSphere Replication
  - Configure VR for a single virtual machine
  - Describe VR recovery point objective scheduling
  - Describe the VR disk transfer protocol
  - Configure VR for multiple virtual machines
  - Manage VR
- Building Protection Groups
  - Discuss differences between array-based protection groups and VR protection groups
  - Create, configure, and edit protection groups
- Building Recovery Plans
  - Discuss SRM recovery plan concepts
  - Create a recovery plan
  - Modify recovery plan properties
- Testing and Running a Recovery Plan
  - Discuss uses cases for SRM recovery
  - Identify SRM workflows
  - Test a recovery plan
  - Revert a tested recovery plan
  - Discuss recovery plan execution
  - Perform a planned migration
  - Perform a reprotect
  - Perform a failback

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