

# PowerMax Family Administration – Remote Replication

## Course Description

### Course Duration

2 days (16 Hours)

### Overview

This course covers different remote replication configurations for PowerMax 2500, 8500, 2000 and 8000 arrays. The course also covers SRDF use cases, SRDF/Synchronous concepts and operations, SRDF/Asynchronous concepts and operations, and SRDF/Metro concepts and operations.

### Audience

This course is intended for Dell employees, partners, and customers responsible for performing remote replication on PowerMax arrays.

### Prerequisite Knowledge/Skills

To successfully complete this course, students must have an understanding of:

- Virtual storage environments
- PowerMax storage arrays
- Windows and ESXi operating systems
- Unisphere for PowerMax and Solutions Enabler

### Course Objectives

Upon successful completion of this course, participants should be able to:

- Compare the SRDF use cases.
- Explain SRDF/Synchronous replication, SRDF/Asynchronous replication, and SRDF/Metro.
- Perform SRDF/Synchronous operations using SYMCLI and Unisphere for PowerMax.
- Perform SRDF/Asynchronous operations using SYMCLI and Unisphere for PowerMax.
- Implement SRDF/Metro using Unisphere for PowerMax.

# PowerMax Family Administration – Remote Replication

## Course Description

### Course Duration

2 days (16 Hours)

### Course Outline

The content of this course is designed to support the course objectives.

- SRDF Concepts
  - SRDF Overview
  - SRDF Primary Applications
  - SRDF Terminology
  - SRDF Group Support Limits
- SRDF Topologies
  - Two-Site Configurations
  - Concurrent SRDF Configuration
  - Cascaded SRDF Configuration
  - SRDF/Star Configuration
  - Four-Site Configuration
- SRDF Synchronous Concepts and Operations
  - SRDF Synchronous Overview and Initial Setup Operations
  - Configure Dynamic SRDF Group and Dynamic SRDF Pairs
  - SRDF Disaster Recovery Operations
  - SRDF Decision Support Operations
- SRDF Asynchronous Concepts and Operations
  - SRDF Asynchronous Replication Concepts
  - SRDF/A Mode Transition
  - Add and Remove Devices in SRDF/A
  - SRDF/A Resilience Features
  - SRDF/A Configuration Parameters
  - Disaster Recovery – SRDF/A
  - SRDF/A Multi-Session Consistency
- SRDF Metro Concepts and Operations
  - SRDF/Metro Overview
  - SRDF/Metro Management
  - Configure SRDF/Metro Device Pairs
  - SRDF/Metro Implementation
  - SRDF/Metro Online Device Expansion
  - SRDF/Metro Failure Scenarios and Operations

**DELL Technologies**

1 Dell Way  
Round Rock Texas 78682

# PowerMax Family Administration – Remote Replication

## Course Description

### Course Duration

2 days (16 Hours)

### Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

*Copyright © 2024 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.*