

## Dell PowerMax Operate Version 2

### Certification Description



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#### Certification Overview

This certification benefits any professional managing, administrating and configuring PowerMax Family storage arrays in an open system environment. The certification focuses on configuration and business continuity administration of PowerMax Family storage arrays. Non-disruptive Migration (NDM) and Open-Minimally Disruptive migration (O-MDM) to PowerMax Family arrays are also covered. Managing configuration changes, TimeFinder SnapVX, SRDF, and NDM using SYMCLI and Unisphere for PowerMax are assessed.

#### Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledge base/skill set through hands-on product experience and/or by consuming the Recommended Training.
2. Pass the Dell PowerMax Operate Version 2 Exam.

Note: These details reflect certification requirements as of September 18, 2024.

The Proven Professional Program periodically updates certifications to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

**Dell Technologies Partners:** Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Competencies provide partners with the ability to deliver services under their own brand or co-deliver with Dell Technologies. Tiered partners are eligible to obtain Services Competencies upon completing the specific requirements outlined in the [Services Competencies Matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

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## Dell PowerMax Operate Version 2

### Exam Description



#### Exam Overview

This exam focuses on configuration and business continuity administration of PowerMax Family storage arrays in open systems environments. Data Mobility, Non-disruptive Migration (NDM) and Open-Minimally Disruptive migration (O-MDM), to PowerMax Family arrays is also covered. Managing configuration changes, TimeFinder SnapVX and SRDF using SYMCLI and Unisphere for PowerMax is assessed.

#### Products

Products likely to be referred to on this exam include but are not limited to:

- PowerMax with PowerMaxOS 5978
- Solutions Enabler 10
- Unisphere for PowerMax 10
- TimeFinder SnapVX
- SRDF
- Open Replicator
- Data Mobility (NDM and O-MDM)

#### Part 1:

##### Duration

75 Minutes  
(~40 Questions)

#### Part 2:

##### Duration

45 Minutes  
(~8 Questions)

#### Practice Test

D-PVM-OE-P-01

#### Exam Topics

Topics likely to be covered on this exam include:

##### **PowerMax Family Storage Provisioning 24%**

- Describe PowerMax family models and system architecture.
- Describe PowerMax family configurations.
- Explain PowerMax family port management.
- Explain PowerMax family device management.
- Perform service level-based provisioning using Unisphere for PowerMax.
- Perform storage allocation using auto-provisioning groups.

##### **PowerMax Family Monitoring and Workload Planning 10%**

- Explain how monitoring of storage environment is performed using Unisphere for PowerMax.
- Perform monitoring of storage environment in Unisphere for PowerMax.
- Explain how Workload Planning is performed using Unisphere for PowerMax.

##### **PowerMax Family Management in a Virtual Environment 4%**

- Describe vSphere and VSI features.
- Perform monitoring of virtual environment using Unisphere for PowerMax.

##### **PowerMax Family Local and Remote Replication Concepts 10%**

- Describe TimeFinder SnapVX features.
- Compare SnapVX snapshots and clones.
- Describe SRDF features and topologies.

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- PowerMax Family Business Continuity Administration 20%**
- Perform TimeFinder SnapVX operations using Unisphere for PowerMax.
  - Perform TimeFinder Clone operations using Unisphere for PowerMax.
  - Describe SRDF operations.
  - Perform SRDF operations using Unisphere for PowerMax and SYMCLI.

- Unisphere for PowerMax 10 Implementation and Administration 8%**
- Explain Unisphere for PowerMax installation process and Unisphere post-installation tasks.
  - Describe how to navigate the Unisphere for PowerMax interface.
  - Perform the administration tasks using Unisphere for PowerMax.

- Solutions Enabler 10 Implementation 10%**
- Describe Solutions Enabler concepts.
  - Explain Solutions Enabler Installation and Upgrade process.
  - Explain Gatekeeper management.
  - Describe the functions of and supported platforms of commonly used Solutions Enabler daemons.

- PowerMaxOS 10 Data Mobility 12%**
- Describe Data Mobility features.
  - Describe Non-Disruptive Migration features and benefits.
  - Perform Non-Disruptive Migrations using Unisphere for PowerMax.
  - Explain how Minimally Disruptive Migrations are performed using SYMCLI.
  - Perform O-MDM Migration session operations using Unisphere for PowerMax and SYMCLI.

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

### Recommended Training

The following curriculum is recommended for candidates preparing to take this exam

**Please complete all of the following courses:**

Course Title	Course Number	Modality
Unisphere for PowerMax 10 Implementation	ESSTGD05296	On Demand
Unisphere for PowerMax 10 Administration	ESSTGD05297	On Demand
Solutions Enabler 10 Implementation	ESSTGD05295	On Demand
PowerMaxOS 10 Data Mobility Non-Disruptive Migration (NDM)	ESSTGD05294	On Demand
PowerMaxOS 10 Data Mobility - Open-Minimally Disruptive Migration	ESSTGD04298	On Demand

**Please complete all of the following On Demand courses, or one Classroom/Virtual Classroom course:**

Course Title	Course Number	Modality
PowerMax Family Administration - Storage Provisioning	ESSTGD05348	On Demand
PowerMax Family Administration - Monitoring and Workload Planning	ESSTGD05351	
PowerMax Family Administration - Management in a Virtual Environment	ESSTGD05350	
PowerMax Family Administration - Local Replication	ESSTGD05292	
Or		
PowerMax Family Administration- Core Features	ESSTGS05291	Classroom/ Virtual Classroom

**Please complete one of the following courses:**

Course Title	Course Number	Modality
PowerMax Family Administration - Remote Replication	ESSTGD05293	On Demand
Or		
PowerMax Family Administration - Remote Replication	ESSTGS06022	Classroom/ Virtual Classroom

**Note:** These exam description details reflect contents as of September 18, 2024.

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