DELL Technologies

D-PVM-DS-01

Dell PowerMax Design v2 Exam

Certification Description

DELL Technologies

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Overview

This exam is designed for professionals involved in positioning and designing PowerMax Family solutions. The exam covers system configurations, identifying supported PowerMax upgrades, performing business continuity operations using TimeFinder SnapVX and SRDF, and managing systems using Unisphere for PowerMax. This exam is intended for Dell internals and partners.

Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the recommended training.

2. Pass the Dell PowerMax Design v2 Exam

Note: These details reflect certification requirements as of 4/18/2025

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 PowerMax Design v2 Exam

Exam Overview

This exam aims to assess your ability to design and position PowerMax Family solutions. The exam covers PowerMax hardware component functionalities, system configurations and racking options, PowerMax design resources and environment, upgrades and migrations, local and remote replication solutions, monitoring, workload planning, and virtualized environment management. The exam also assesses the ability to demonstrate the usage of Unisphere for PowerMax and Solutions Enabler SYMCLI to manage PowerMax systems.

Products

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

- PowerMaxOS 10
- PowerMaxOS 5978
- SRDF
- TimeFinder SnapVX
- Unisphere for PowerMax
- Solution Enabler

Exam Topics

Topics likely to be covered on this exam include:

PowerMax Family Features (15%)

- Compare PowerMax models, features, and offerings.
- Identify and describe the functionalities of PowerMax hardware components.
- Identify PowerMax system configuration and racking options.
- Access PowerMax and PowerMaxOS 10 systems.

PowerMax Design Resources and Environment (15%)

- Identify Dell sites used for Solutions Design.
- Perform My Work operations.
- Compare and analyze PowerSizer output summary to the manufacturing bin file.

PowerMax Upgrades and Migrations (17%)

- Identify supported PowerMax upgrades.
- Outline rules for PowerMax upgrades.
- Explain PowerMax hardware and software upgrade process.
- Classify configuration changes for upgrades.
- Explain and identify migration environment.

PowerMax Local and Remote Replication (19%)

- Explain TimeFinder SnapVX concepts and operations.
- Identify different SRDF topologies.
- Explain SRDF concepts and use cases.
- Perform SRDF operations using Unisphere for PowerMax.

Unisphere for PowerMax (12%)

- Describe Unisphere for PowerMax architecture, features, and deployment options.
- Describe and perform Workload Planning activities using Unisphere for PowerMax.

- Interpret Data Exclusion and Headroom features.
- Monitor virtual environments using Unisphere for PowerMax.

Solutions Enabler Implementation (7%)

- Describe Solutions Enabler concepts.
- Install and upgrade Solutions Enabler on Unix, Linux, and Windows hosts.
- Describe the functions and supported platforms of commonly used Solutions Enabler daemons.

PowerMax File (15%)

- Describe PowerMax File concepts (eNAS and SDNAS).
- Explain File replication and methods to manage File replication.
- Perform File system clone operations.
- Perform File system snapshot management operations.

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

Recommended Training

The following courses are recommended for candidates preparing to take this achievement.

Course Title	Course Number	Mode
PowerMaxOS 10 Hardware Concepts	ESSTGD04457	On Demand
PowerMax Hardware Concepts	ES532STG01131	On Demand
PowerMaxOS 10.1 Differences	ESSTGD05935	On Demand
PowerMax Family Solutions Design	ESSTGD05298	On Demand
PowerMaxOS 10 Data Mobility - Non-Disruptive Migration (NDM)	ESSTGD05294	On Demand
PowerMaxOS 10 Data Mobility - Open-Minimally Dsiruptive Migration (O-MDM)	ESSTGD04298	On Demand
PowerMax Family Administration – Remote Replication	ESSTGD05293	On Demand
PowerMax Family Administration – Local Replication	ESSTGD05292	On Demand
Unisphere for PowerMax 10 Implementation	ESSTGD05296	On Demand
Unisphere for PowerMax 10 Administration	ESSTGD05297	On Demand
PowerMax Family Administration – Monitoring and Workload Planning	ESSTGD05351	On Demand
PowerMax Family Administration – Management in a Virtual Environment	ESSTGD05350	On Demand
Solutions Enabler 10 Implementation	ESSTGD05295	On Demand
PowerMax Family Administration – File (SDNAS)	ESSTGD06028	On Demand
PowerMax Family Administration – eNAS	ESSTGD05349	On Demand

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