

Dell PowerMax Install 2023

Certification Description



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Certification Overview

This certification covers PowerMax family storage arrays installation. Required product knowledge includes the ability to perform storage array installation, identify the main system components, comprehend different system configurations, cabling, racking and power options, and download and use the tools required for installation.

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 Install 2023 Exam.

Note: These details reflect certification requirements as of September 22, 2023.

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.

Exam Overview

This exam focuses on articulating features and functions of the PowerMax family storage arrays, explaining architecture and performing product installation using appropriate management tools.

Products

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

- PowerMaxOS 10
- PowerMaxOS 5978
- PowerMax 2500 and 8500
- PowerMax 2000 and 8000

Exam Topics

Topics likely to be covered on this exam include:

PowerMax Family Concepts and Features (10%)

- Describe PowerMax family configuration options - PowerMax 2500 and 8500
- Summarize PowerMax Family software offerings - PowerMaxOS 10
- Identify use cases for PowerMaxOS 10

PowerMaxOS 10 Hardware Concepts (17%)

- Compare and contrast PowerMax 2500 and 8500 models
- Explain PowerMax 2500 and 8500 bay configurations, system connectivity, and Flexible RAID
- Locate PowerMax 2500 and 8500 hardware components
- Explain PowerMaxOS 10 serviceability access and activities

PowerMaxOS 10 Install (46%)

- Identify and locate the main components of PowerMax 2500 and 8500 models - Node overview, Node pair components, physical and logical ports, DMEs and access modules
- Explain PowerMaxOS 10 operational environment - Emulation, Flexible RAID, D@RE, Inline De-dupe and compression, GuestOS and 2500/8500 Fabric
- Discuss PowerMax 2500 and 8500 system configurations and rack dispersion
- Explain and identify PowerMax 2500 and 8500 cabling - Configuration, fabric diagrams, service and power cables
- Select PowerMax 2500 and 8500 power supplies and options, Dell and third-party racking
- Prepare for installation - site readiness, HW tools, acclimatize time, single-phase and three-phase power specifications and PowerMax 2500 and 8500 power distribution
- Obtain and use required software tools and credentials for installing a PowerMax 2500 and 8500 array - Solve Online, Procedure Generator, Central manager, CS Tunnel Manager, Simplified Symmwin and Install Script
- Demonstrate the use of Simplified Symmwin scripts and tools to perform a PowerMax 2500 and 8500 installation

PowerMax Installation and Upgrade (27%)

- Identify and locate the main components of PowerMax 2000 and 8000 models - system overview, components, physical and logical ports, DAEs and access modules
- Explain and identify PowerMax 2000 and 8000 cabling - Configuration, fabric diagrams, service, and power cables
- Obtain and use required software tools and credentials for upgrading a PowerMax 2000 and 8000 array - Solve Online, Procedure Generator, Simplified Symmwin and Install Script
- Demonstrate the use of Simplified Symmwin scripts and tools to perform a PowerMax 2000 and 8000 upgrade

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

Duration

90 minutes

Recommended Training

The following training is recommended for candidates preparing to take this exam.

Please complete all of the following courses:

| Course Title | Course Number | Modality | Available |
|--|---------------|-----------|------------|
| PowerMax Concepts and Features | ES131STG00363 | On Demand | 5/5/2023 |
| PowerMax 10 Concepts and Features | ESSTGD04299 | On Demand | 8/1/2023 |
| PowerMax Hardware Concepts | ES532STG01131 | On Demand | 11/22/2022 |
| PowerMax 10 Hardware Concepts | ESSTGD04457 | On Demand | 8/1/2023 |
| PowerMax and VMAX All Flash 250/950 Installation and Upgrade | ESSTGD04921 | On Demand | 8/1/2023 |

Please complete one of the following courses:

| Course Title | Course Number | Modality | Available |
|----------------------------|---------------|---------------------------------|-----------|
| PowerMaxOS 10 Installation | ESSTGD04437 | On Demand | 8/1/2023 |
| PowerMaxOS 10 Installation | ESSTGS04308 | Virtual Classroom/ Classroom | 8/1/2023 |

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