

## Dell PowerScale Maintenance 2023

### Certification Description



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#### Certification Overview

This certification validates the candidate's knowledge on the PowerScale product installation, cabling and maintenance including its components that make up this system.

#### 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 PowerScale Maintenance 2023 Exam](#).

Note: These details reflect certification requirements as of September 15, 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.

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## Dell PowerScale Maintenance 2023 Exam

### Exam Description



#### Part 1:

##### Duration

90 Minutes  
(~50 Questions)

##### Pass Score

63%

##### Practice Test

[D-PSC-MN-23](#)

#### Exam Overview

This exam focuses on the concepts and procedures required to install, configure and maintain the hardware in a PowerScale system. Topics include installation and initial configuration procedures, FRUs, CRUs, and maintenance procedures for all hardware lines of PowerScale.

#### Products

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

- All-Flash Nodes
- Hybrid Nodes
- Archive Nodes
- Accelerator Nodes
- Network Architecture
- FRU/CRU
- OneFS operating system upgrade path up to version 9.4

#### Exam Topics

Topics likely to be covered on this exam include:

##### PowerScale Hardware Concepts (24%)

- Describe the methods, tools, and related considerations required for an installation, for example: phases, SolVe
- Describe the design and capabilities of PowerScale Gen 6 and Gen 6.5 nodes
- Describe internal and external networking requirements and setup
- Describe the nature and use of cluster management tools, for example: WebUI, CLI, Serial Console, PAPI

##### PowerScale Hardware Maintenance (24%)

- Describe preliminary tasks required for hardware maintenance
- Describe tasks required to prepare a node for operation
- Describe how to install and maintain key FRUs
- Describe how to install and maintain key CRUs

##### PowerScale Hardware Installation (24%)

- Planning the installation
- Describe actions required to prepare the site
- Describe requirements and steps for installing the rack and subcomponents
- Describe how to cable nodes correctly

##### PowerScale Implementation (28%)

- Describe how to create a new cluster
- Describe the process for joining node to a cluster, including smartfailing, reformatting, reimaging
- Describe tools and methods used to complete a configuration, focusing on compliance, SRS, and Hadoop

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- Describe tools and procedures used for handling upgrades, versioning, and patches

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

### Exam Preparation

Dell Technologies provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

### Recommended Training

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

**Please complete the following courses:**

Course Title	Course Number	Modality	Available
PowerScale Concepts	ES131STG01028	On Demand	6/2/2023
PowerScale Hardware Concepts	MR-7WP-ISIHBG17	On Demand	1/30/2023
PowerScale Hardware Maintenance	MR-7WP-ISIHM17	On Demand	5/4/2023
PowerScale Hardware Installation	MR-7WP-ISIINST17	On Demand	3/3/2023
PowerScale Implementation	MR-7WP-ISIIC17	On Demand	4/4/2023

Note: These exam description details reflect contents as of September 15, 2023.

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