

# Dell Midrange Storage Solutions Design 2023

## Certification Description



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### Certification Overview

This Proven Professional certification provides a strong understanding of Dell Unity and PowerStore Midrange Storage Solutions. This will be a desired certification for those engaged in designing solutions around Dell Midrange storage arrays.

### 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 Midrange Storage Solutions Design 2023 Exam](#).

Note: These details reflect certification requirements as of **June 9, 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.

### Dell Technologies

1 Dell Way  
Round Rock, Texas 78682

# Dell Midrange Storage Solutions Design 2023

## Exam Description

### Exam Overview

This exam tests the candidate's proficiency in designing solutions for Dell Unity 5.2 and PowerStore 3.0. This exam also tests the candidate's knowledge of key product features of both storage systems.

### Products

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

- Dell Unity
- Dell PowerStore

### Exam Topics

Topics likely to be covered on this exam include:

#### **Dell Midrange Storage Solutions Best Practice (36%)**

- Apply Dell Midrange best practice recommendations for system configuration and upgrade (hardware capacity guidelines, deployment models, clustering, OS upgrades).
- Apply Dell Midrange best practice recommendations for backend connectivity.
- Apply Dell Midrange best practice recommendations for drive configuration.
- Apply Dell Midrange best practice recommendations for networking performance (switch configuration, front-end connectivity).
- Apply Dell Midrange best practice recommendations for storage configuration (storage pools, RAID level, capacity, storage resources utilization).
- Apply Dell Midrange best practice recommendations for data services.
- (Data Reduction, Snapshots, Thin Clones, Replication, cluster migrations).
- Apply Dell Midrange best practice recommendations for host application configurations (regular applications, and AppsON).

#### **Dell Midrange Storage Solutions Planning, Sizing and Design (40%)**

- Describe the planning, sizing, and design phases of a Midrange solution sales engagement.
- Perform site evaluation and remediation procedures.
- Describe sizing and design considerations (performance parameters, environmental limits, workload characterization).
- Describe the Migration and Data Protection planning phases of a Midrange solution sales engagement.



Duration  
90 Minutes  
(~50 Questions)  
[Pass Score](#)  
63%

[Practice Test](#)  
[D-MSS-DS-23](#)

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### Dell Midrange Sizing Solutions (24%)

- Describe the Midrange Sizer for Unity sizing, Design methods, and deliverables.
- Describe the PowerSizer for PowerStore sizing, design methods and deliverables.

The percentage 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 course:**

Course Title	Course Number	Modality	Available
Midrange Storage Solution Design	ESSTGD04959	On Demand	5/30/2023
Midrange Storage Performance Planning	ESSTGD05299	On Demand	5/30/2023
Unity Solution Sizing	ESSTGD04650	On Demand	11/2/2022
PowerStore Solution Sizing	ESSTGD04697	On Demand	11/2/2022

**Note:** These exam description details reflect contents as of **June 9, 2023**.

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