

## 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.

## 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:

### **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.

### **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 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.

Course Title	Course Number	Mode	Available
Cloud Infrastructure and Services v4	ESDTFD00629	On-Demand Course-Self Paced	7/22/2022
Cloud Infrastructure and Services v4	ESDTFS00270	Classroom/ Virtual Classroom	7/22/2022
Cloud Infrastructure and Services v4	ESDTFP04447	Private Classroom	7/22/2022

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

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