

Announcing DES-1221 Specialist – Implementation Engineer, PowerStore Solutions Exam Retirement

The **Specialist – Implementation Engineer, PowerStore Solutions Version 1.0** certification (DES-1221) will be replaced on February 6, 2023 by two new certification offerings. The new certifications are **Dell PowerStore Deploy 2023** (D-PST-DY-23) and **Dell PowerStore Operate 2023** (D-PST-OE-23).

These certifications are a part of the new Proven Professional framework focused on skill and outcome-based solutions certifications that will officially be announced on February 6th.

How will this impact you?

If you have already taken the aligned training or previously attempted the exam for the **Specialist – Implementation Engineer, PowerStore Solutions Version 1.0** certification, plan to take the DES-1221 exam by **February 28, 2023**.

- [View the DES-1221 Exam Description and Practice Test »](#)

Once achieved, your credential, Specialist – Implementation Engineer, PowerStore Solutions Version 1.0, will not expire.

If you're just beginning your certification journey, choose one of the new exams that aligns closest with the skills and knowledge you're looking to develop.

- **Dell PowerStore Deploy 2023** (D-PST-DY-23) [View the Exam Description and Practice Test »](#)
- **Dell PowerStore Operate 2023** (D-PST-OE-23) [View the Exam Description and Practice Test »](#)



Specialist – Implementation Engineer, PowerStore Solutions Version 1.0

Certification Description



[Proven Professional Website](#)

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Certification Overview

This certification benefits any professional implementing and administering PowerStore storage arrays in open systems environments. The certification focuses on configuration, administration, migration, upgrades and basic troubleshooting.

Certification Requirements

To complete the requirements for this certification you must:

1. Achieve one of the following Associate level certifications*
 - Associate - Information Storage and Management Version 2.0
 - Associate - Information Storage and Management Version 3.0
 - Associate - Information Storage and Management Version 4.0
 - Associate - Information Storage and Management Version 5.0
2. Pass the following Specialist exam on or after February 18, 2022:
 - [DES-1221 Specialist – Implementation Engineer, PowerStore Solutions Exam](#)

Note: These details reflect certification requirements as of February 18, 2022.

The Proven Professional Program periodically updates certification requirements. *Please check the [Proven Professional CertTracker](#) website regularly for the latest information and for other options to meet the Associate level requirement.

Dell Technologies Partners: Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Delivery 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 delivery competencies upon completing the specific requirements outlined in the [enablement matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

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DES-1221 Specialist – Implementation Engineer, PowerStore Solutions Exam

Exam Description



Overview

This exam is a qualifying exam for the **Specialist – Implementation Engineer, PowerStore Solutions (DCS-IE) track**.

This exam focuses on implementation and administration of PowerStore storage arrays in open systems environments. The exam covers configuration, administration, migration, upgrades, and basic troubleshooting.

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.

Part 1:

Duration

90 Minutes
(54 Questions)

Pass Score

63%

Part 2:

Duration

30 Minutes
(6 Simulations)

Pass Score

66%

A passing score is required on **both** parts of this exam.

Practice Test

Exam [DES-1221](#)

[Simulator Demo](#)

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Products

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

Dell EMC PowerStore 500T	Dell EMC PowerStore 7000T
Dell EMC PowerStore 1000T	Dell EMC PowerStore 7000X
Dell EMC PowerStore 1000X	Dell EMC PowerStore 9000T
Dell EMC PowerStore 3000T	Dell EMC PowerStore 9000X
Dell EMC PowerStore 3000X	
Dell EMC PowerStore 5000T	
Dell EMC PowerStore 5000X	

Exam Topics

Topics likely to be covered on this exam include:

PowerStore Concepts and Features (5%)

- Describe the PowerStore system and use cases
- Identify the PowerStore system configurations and models
- Provide an overview of PowerStore architecture and hardware components

PowerStore Cabling (6%)

- Demonstrate front-end cabling for PowerStore models
- Demonstrate back-end for PowerStore
- Describe Ethernet cabling for PowerStore

PowerStore Implementation (18%)

- Perform PowerStore installation planning
- Rack and stack PowerStore systems
- Configure Ethernet switching for PowerStore
- Discover and perform initial system configuration of PowerStore
- Describe and perform licensing process for PowerStore

PowerStore Configuration (22%)



- Provision and configure block, file, and VMware storage
- Configure host and client access to PowerStore block, file, and VMware storage
- Describe and configure local and remote data protection on PowerStore storage resources
- Describe and configure intercluster data migration

PowerStore Administration (22%)

- Create and administer management users on PowerStore
- Perform administrative operations for PowerStore block, file, and VMware storage
- Perform PowerStore local and remote data protection operations
- Perform PowerStore intercluster data migration operations

PowerStore Migration (15%)

- Describe the PowerStore Migration feature and process
- Identify the PowerStore Migration requirements and capabilities
- Configure the migration requirements and capabilities
- Configure the migration feature to import data from supported sources
- Perform migration operations

PowerStore Software and Hardware upgrades (7%)

- Describe and perform PowerStore software upgrade
- Add an appliance into a cluster
- Add an expansion shelf to a PowerStore appliance
- Add drives to a PowerStore appliance

PowerStore Basic Troubleshooting (5%)

- View system alert, events, and jobs
- Gather support materials
- Identify PowerStore system fault LEDs

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

[Recommended Training](#)

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

[Dell Technologies Employees: Please choose one of the options below.](#)

[Option 1:](#)

Please complete the following courses:

Course Title	Course ID	Modality	Availability
PowerStore Concepts and Features	ESSTGD03546	On Demand	10/21/2021
PowerStore Installation	ESSTGD03548	On Demand	10/21/2021
PowerStore Installation: Cabling	ESSTGD03547	On Demand	10/21/2021
PowerStore Implementation	ESSTGD03544	On Demand	10/21/2021
PowerStore Implementation: Configuration	ESSTGD03542	On Demand	10/21/2021
PowerStore Administration	ESSTGD03543	On Demand	10/21/2021



PowerStore Migration: Import External Storage	ESSTGD03545	On Demand	10/21/2021
PowerStore Basic Troubleshooting	ESSTGD03551	On Demand	10/21/2021
PowerStore Upgrades	ESSTGD03550	On Demand	10/21/2021

Option 2:

Please complete the following courses:

Course Title	Course ID	Modality	Availability
PowerStore Upgrades	ESSTGD03550	On Demand	10/21/2021
PowerStore Installation and Implementation	ESSTGS00255	Virtual Classroom	11/4/2021

Dell Technologies Partner and Customer audiences:

Please complete one of the following courses:

Course Title	Course ID	Modality	Availability
PowerStore Implementation and Administration	ESSTGD00501	On Demand	10/20/2021
PowerStore Implementation and Administration	ESSTGS00852	Classroom or Virtual Classroom	10/18/2021

Note: These exam description details reflect contents as of **February 18, 2022**.

The Proven Professional Program periodically updates exams to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

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