

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
2. Pass the following Specialist exam on or after May 06, 2020:
 - [DES-1221 Specialist – Implementation Engineer, PowerStore Solutions Exam](#)

Note: These details reflect certification requirements as of May 06, 2020.

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.

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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.

Products

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

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

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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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	ES301STG01569	On Demand	5/6/20
PowerStore Installation	ES101STG01579	On Demand	5/6/20
PowerStore Installation: Cabling	ES101STG01590	On Demand	5/6/20
PowerStore Implementation	ES302STG01570	On Demand	5/6/20
PowerStore Implementation: Configuration	ES102STG01584	On Demand	5/6/20
PowerStore Administration	ES102STG01585	On Demand	5/6/20
PowerStore Migration	ES102STG01586	On Demand	5/6/20
PowerStore Basic Troubleshooting	ES102STG01588	On Demand	5/6/20



PowerStore Upgrades	ES102STG01589	On Demand	5/6/20
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Option 2: Please complete the following courses

PowerStore Upgrades	ES102STG01589	On Demand	5/6/20
PowerStore Installation and Implementation	ES102STG01580 OR ES102STG01581	Classroom OR Virtual Classroom	5/6/20

Dell Technologies Partner and Customer audiences: Please choose one of the options below.

Option 1: Please complete the following courses

Course Title	Course ID	Modality	Availability
PowerStore Concepts, Features and Migration	ES101STG01736	On Demand	5/6/20
PowerStore Implementation and Administration	US & Canada: DESNOILT-839-7087 LATAM: DESNOILT-839-7080 BRAZIL: DESNOILT-839-7073 EMEA: DESNOILT-806-13840 APJ: DESNOILT-806-13826	On Demand	5/6/20

Option 2: Please complete the following course

Course Title	Course ID	Modality	Availability
PowerStore Implementation and Administration	US & Canada: DESILT-839-7088 LATAM: DESILT-839-7082 BRAZIL: DESILT-839-7074 EMEA: DESILT-423-10057 APJ: DESILT-423-10041	Classroom/ Virtual Classroom	5/6/20

Note: These exam description details reflect contents as of **May 06, 2020**.

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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