

Specialist - Implementation Engineer, SC Series Version 1.0

Certification Description



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Certification Overview

This certification validates the ability to perform basic to intermediate skill level tasks in deploying and manage the Dell EMC SC Series storage products.

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 1.0
 - Associate - Information Storage and Management Version 2.0
 - Associate - Information Storage and Management Version 3.0
 - Associate - Information Storage and Management Version 4.0
 - Dell Certified Associate – Storage (*Valid existing credentials only. Not available to earn anymore*)
 - Dell Certified Professional – SC Series Storage (*Valid existing credentials only. Not available to earn anymore*)
2. Pass the following Implementation Exam
 - [DES-1721 Specialist - Implementation Engineer, SC Series Exam](#)

Note: These details reflect certification requirements as of November 22, 2019.

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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In North America
1-866-464-7381

DES-1721 Specialist - Implementation Engineer SC Series Exam

Exam Description



Overview

This exam is a qualifying exam for the **Specialist - Implementation Engineer, SC Series** track.

This exam focuses on the knowledge and activities involved in installing, initializing, configuring and testing the hardware and software of the Dell EMC SC Series Storage products.

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 SC Series SCv3000, SCv3020, SC5020, SC7020, SC9000, SC5020F, SC7020F, SCOS 7.3, DSM 2018

Exam Topics

Topics likely to be covered on this exam include:

Storage Center Fundamentals (5%)

- Identify and describe the Dell Storage Center core features, licensed features, and user interfaces

Storage Center Hardware (15%)

- Identify and describe the characteristics of the SC Series Controllers
- Identify and describe the characteristics of the SC Series disk enclosures

Storage Center Cabling (19%)

- Describe front-end cabling best practices for Fibre Channel and iSCSI protocols and explain the types of redundancy for front-end cabling
- Describe how to create fault domains and their purpose
- Identify and describe virtual port zoning best practices
- Describe the SAS back-end cabling best practices

Storage Center Deployment and Initial Configuration (3%)

- Describe how to prepare the installation environment and perform the initial setup and post-setup tasks on the Storage Center array

90 Minutes
(60 Questions)

Pass Score: 63

Practice Test
Exam [DES-1721](#)

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Initial SAN HBA and Switch Configurations (11%)

- Identify and describe how to establish a connection between the host and SC Series Storage array through FC and iSCSI SAN
- Describe the best practices and characteristics for specific FC switch vendors, such as Brocade, when connecting to an SC Series Storage array

Storage Center Basic Administration (15%)

- Describe how to create and use volumes and volume folders and how to perform management operations such as copy, mirror, migrate and expand volumes on an SC Series Storage array
- Describe how to create and manage server objects and server folders, how to discover initiators, and how to map them to server objects on an SC Series Storage array
- Identify and describe how to map a volume to a server object, how to establish multipath connectivity, the recommended MPIO settings, and the steps to make a mapped volume available at the operating system level including VMware vSphere, Linux, and Microsoft
- Identify and describe the procedure(s) to failover and rebalance the SC Series Controllers

Dell Storage Manager (DSM) Installation and Configuration (9%)

- Identify and describe how to install the Dell Storage Manager (DSM) software and how to use the DSM views
- Describe how to manage users and permissions in Dell Storage Manager (DSM) and describe user management best practices

Dell Storage Manager (DSM) Administration (6%)

- Describe how to configure datapage size, SNMP and SMTP parameters, and upgrade the SC Series software and licenses
- Describe the Dell Storage Manager (DSM) monitoring and metering capabilities, how to review alerts, run reports and replace a failed disk

Storage Center Data Progression, Data Instant Replay, and Remote Instant Replay Management (17%)

- Explain how to enable, create, and use storage profiles
- Identify and describe the Data Progression functions and how to configure Data Progression using storage profiles
- Describe the functions of Replay Manager, a Data Instant Replay snapshot, and how to configure and manage Data Instant Replays
- Explain how to configure a Remote Instant Replay replication, how to create and activate a disaster recovery site, and how to restore the source on an alternate site
- Describe how to configure Live Volume



Recommended Training

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

Dell Technologies Employees:

Please complete one of the following courses

| Course Title | Course Number | Mode | Available |
|--|---------------|------------|-----------------|
| Dell EMC SC Series Implementation and Administration [On Demand] | ES102STG00702 | e-Learning | January 8, 2020 |

Dell Technologies Partner and Customer audiences:

Please complete one of the following courses

| Course Title | Course Number | Mode | Available |
|---|--|-------------------------|------------------|
| Dell EMC SC Series Implementation and Administration [Instructor Led] | PUBLIC CLASSROOM DESILT-825-3835 (US&CA) DESILT-825-3843 (LATAM) DESILT-825-3842 (BRAZIL) DESILT-423-10015 (EMEA) DESILT-806-13751 (APJ) PRIVATE CLASSROOM DESPR-829-8291 (US&CA) DESPR-829-8292 (LATAM) DESPR-829-8293 (BRAZIL) DESPR-423-10035 (EMEA) DESPR-423-10034 (APJ) | Instructor Led Training | October 28, 2019 |
| Dell EMC SC Series Implementation and Administration [On Demand] | DESNOLT-825-3837 (US&CA) DESNOLT-825-3845 (LATAM) DESNOLT-825-3844 (BRAZIL) DESNOLT-806-13754 (EMEA) DESNOLT-806-13752 (APJ) | e-Learning | January 8, 2020 |

Note: These exam description details reflect contents as of **November 22, 2019**.

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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