

## Specialist - Systems Administrator, Data Domain Version 2.0

### Certification Description



[Proven Professional Website](#)

[Education Services Community](#)

#### Overview

This certification validates an individual's knowledge of the installation and management of Data Domain systems. This exam also covers integration Data Domain with common backup applications such as NetWorker, Veritas NetBackup and IBM Spectrum Protect as well as the implementation of the Data Domain Cloud Tier and Extended Retention features.

#### 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
  - Associate - Backup Recovery
  - Associate - Data Protection and Management Version 1.0
2. Pass the following Specialist exam on or after June 14, 2019:
  - [E20-585 Specialist – Systems Administrator, Data Domain Exam](#)

Note: These details reflect certification requirements as of June 14, 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.

#### Other Certification Recommendations

Once you have achieved this Certification you may be interested in:

- [Specialist – Systems Administrator Avamar Version 8.0](#)
- [Specialist – Systems Administrator, NetWorker Version 7.0](#)

**Dell Inc.**  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381



# E20-585 Specialist - Systems Administrator, Data Domain Exam

## Exam Description



### Overview

This exam is a qualifying exam for the **Specialist – Systems Administrator, Data Domain (DCS-SA)** track.

This exam focuses on the installation and management of Data Domain systems. This exam also includes integration of Data Domain with common backup applications such as NetWorker, Veritas NetBackup and IBM Spectrum Protect as well as the implementation of the Data Domain Extended Retention and Cloud Tier features.

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.

### Duration

90 Minutes  
(60 Questions)

**Pass Score: 63**

### Practice Test

Specialist – [E20-585](#)

### Products

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

- Data Domain Operating System 6.1 & 6.2
- Data Domain Management Console 6.2
- Data Domain Virtual Edition 4.0

### Exam Topics

Topics likely to be covered on this exam include:

#### Data Domain Fundamentals (20%)

- Explain the key differentiators of the EMC Data Domain deduplication technology, including SISL, DIA, In-line versus Post Process deduplication, and file versus block storage.
- Identify typical EMC Data Domain backup and recovery solutions and describe EMC Data Domain product positioning.
- Identify and describe various EMC Data Domain software options and the functionality they enable.

#### Data Domain Extended Retention Administration (10%)

- Describe DD Extended Retention features, benefits, and use cases. Describe basic architecture for systems with the DD Extended Retention option and DD Extended Retention licensing requirements.
- Describe how to perform administrative tasks on EMC Data Domain systems with the DD Extended Retention option; including adding and expanding storage, adjusting compression settings, deleting or reusing storage units, configuring replication and disaster recovery.

**Dell Inc.**  
Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America  
1-866-464-7381

## **Data Domain Cloud Tier Administration (10%)**

- Describe DD Cloud Tier features, benefits, and use cases. Describe basic architecture for systems with the DD Cloud Tier option and DD Cloud Tier licensing requirements.
- Describe how to perform administrative tasks on EMC Data Domain systems with the DD Cloud Tier option; including adding and expanding storage, adjusting compression settings, deleting or reusing storage units, configuring replication and disaster recovery.

## **Data Domain Implementation in Backup Environments and Integration with Application Software (15%)**

- Distinguish between key backup software components. Recognize the packet flow in a typical backup environment with and without an EMC Data Domain system. Describe key information points for a backup and recovery solution using Data Domain Boost/OST technology.
- Implement best practices and system tuning procedures for optimal performance of backup environments including integrated EMC Data Domain systems.

## **Data Domain System Administration (45%)**

- Implement EMC Data Domain system with key protocols, including NFS/CIFS, DD Boost, VTL, and NDMP.
- Implement EMC Data Domain system with key technologies, including data security, link aggregation/failover, fibre channel connections, secure multi-tenancy, DDMC, snapshots, fastcopy, retention lock, sanitization, encryption, storage migration, replication, and recovery functionalities.
- Manage system access, describe and configure autosupport, Support bundle, SNMP, Syslog, monitor system activity and performance, and evaluate the cleaning frequency.
- Verify hardware, analyze and interpret space utilization and compression graphs. Monitor Data Domain capacity and storage burn rate.

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.

#### Please complete all of the following courses

Course Title	Course Number	Mode	Available as of
PowerProtect DD and Data Domain Fundamentals	MR-1WP-DDFUND	eLearning	9/13/2019
Data Domain Implementation with Application Software	MR-1WP-DDIAS	eLearning	4/19/2019
Data Domain Extended Retention - Installation Configuration and Administration	MR-1WP-DDEXRET	eLearning	8/10/2017
Data Domain Cloud Tier Implementation and Management	MR-1WP-DDCTIM	eLearning	5/14/2019

#### Please complete one of the following courses

Course Title	Course Number	Mode	Available as of
Data Domain System Administration	MR-1CP-DDSADMIN	ILT	4/28/2019
Data Domain System Administration – Online ILT	MR-1LP-DDSADMIN	Online ILT	4/28/2019
Data Domain System Administration – Video ILT	ES152DPS00685	On Demand Video	21/11/2019

Note: These exam description details reflect contents as of **November 21, 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.

Copyright © 2019 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, EMC, Dell EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners. Published in the USA [04/19] [Exam Description]

Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.