

## Specialist - Systems Administrator, ECS Version 1.0

### Certification Description



[Proven Professional Website](#)

[Education Services Community](#)

#### Certification Overview

This certification benefits any professional managing ECS solutions. The certification is supported by a core curriculum describing the ECS critical components, features, protocol integrations and product integrations when managing an ECS system

#### 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 - Cloud Infrastructure and Services Version 2.0
  - Associate - Cloud Infrastructure and Services Version 3.0
2. Pass the following Implementation Exam
  - [DES-1B31 Specialist – Systems Administrator, ECS Exam](#)

Note: These details reflect certification requirements as of October 16, 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.

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

## DES-1B31 Specialist – Systems Administrator, ECS Exam

### Exam Description



#### Duration

90 Minutes  
(~60 Questions)

Pass Score: 63

#### Practice Test

Exam [DES-1B31](#)

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

#### Overview

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

This exam focuses on the knowledge and activities involved in managing and monitoring ECS solutions. This includes configuring ECS components, different data client access and ECS product integrations with some Dell EMC Data Protection 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:

- Elastic Cloud Storage (ECS) 3.6
- Amazon S3
- Data Domain Cloud Tier 6.2
- OpenStack
- Isilon Cloud Pools 8.0.x
- Networker CloudBoost 9.1

#### Exam Topics

Topics likely to be covered on this exam include:

##### ECS Overview (13%)

- Describe ECS key features, functions and capabilities
- Describe ECS architecture and components
- Describe the ECS solution, including hardware configuration, typical single and multi-site deployments, and case scenarios

##### ECS Management and Monitoring (38%)

- Describe how ECS packages and protects data within a site. Describe ECS failure handling and failover scenarios in single-site and multi-site environments
- Describe how to configure ECS using the portal, including creation of storage pools, VDCs, RGs, namespaces, users and buckets
- Describe how to configure ARM, ACLs, quotas, and retention policies on namespaces and buckets
- Describe ECS D@RE features and functionality and Active Directory integration with ECS
- Describe ECS monitoring and metering capabilities and Syslog support operations

### ECS Data Client Access (29%)

- Describe ECS integration with Amazon S3, configuration and management using the ECS Portal, the Amazon S3 browser and REST APIs
- Describe ECS integration with OpenStack Swift, configuration and management using the management interfaces and APIs
- Describe the ECS configuration of object client applications such as Centera CAS and Hadoop HDFS
- Describe ECS NFS file features and functionality

### ECS Integrated Solutions (20%)

- Describe the integration between ECS and Data Domain Cloud Tier, including use cases and configuration
- Describe the integration between ECS and Isilon CloudPools, including use cases and configuration
- Describe the integration between ECS and NetWorker with CloudBoost, including use cases and configuration

### 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
ECS Concepts and Features	MR-EWN-ETEC SO	eLearning	8/25/20
ECS Data Client Integration – Amazon S3	MR-1WN-ECSDCAAS3	eLearning	12/16/17
ECS Data Client Integration – OpenStack	MR-1WN-ECSDCAOSW	eLearning	1/17/17
Data Domain Cloud Tier and ECS Integrated Solution	MR-1WN-ECSD DCT	eLearning	7/17/17
Isilon CloudPools and ECS Integrated Solution	MR-1WN-ECSICP	eLearning	7/17/17
NetWorker with CloudBoost and ECS Integrated Solution	MR-1WN-ECSNWCB	eLearning	7/17/17

#### Please complete one of the following courses

Course Title	Course Number	Mode	Available
ECS Administration	MR-1CN-ECSMGTMON	Instructor-Led	10/5/20
ECS Administration - Online ILT	MR-1LN-ECSMGTMON	Online ILT	10/5/20
ECS Administration - Video ILT	MR-1TN-ECSMGTMON-0719	Video ILT-Stream	10/19/20



Note: These exam description details reflect contents as of **October 16, 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.

Copyright © 2020 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 [10/20]

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