

## Dell ECS Design 2023

### Certification Description



[Proven Professional Website](#)

Engage with your peers in our [Proven Professional Community](#)

#### Certification Overview

This certification benefits any professional who needs to demonstrate their ability to design and size an ECS solution. This includes planning and architecting ECS solutions given business and environment requirements.

#### Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the recommended training.
2. Pass the Dell ECS Design exam.

Note: These details reflect certification requirements as of February 6, 2023

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

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

## Exam Overview

This exam focuses on architectural and design principles that facilitate providing a solution that meets customer requirements. This exam covers the technical components, hardware and software of the ECS product. The exam also covers basic sizing techniques and associated tools when building an ECS Solution to meet real world applications.

## Products

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

- ECS 3.7

## Exam Topics

Topics likely to be covered on this exam include:

### ECS Solution Design Platform Architecture (20%)

- Recommend activities performed in the end-to-end process of solutions design
- Identify the node type for a given workflow or use case
- Determine the hardware requirements for a given use case or workflow

### ECS Solution Design Networking (20%)

- Design an ECS networking solution to meet requirements or use cases
- Recommend the appropriate network separation deployments
- Differentiate the load balancer types and methods

### ECS Solution Design Data Management (20%)

- Recommend a configuration of the ECS storage abstractions
- Differentiate between protection/replication configurations
- Design resiliency for potential failure scenarios

### ECS Solution Design Cluster Access (20%)

- Identify the use cases for client protocols
- Design a multi-tenant solution using the ECS isolation features
- Identify the access control required to implement data permissions for ECS client access
- Identify the use cases for data compliance and retention

### ECS Solution Design Monitoring and Performance (20%)

- Recommend the most appropriate monitoring capabilities for the situation
- Identify factors that impact performance

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

## Duration

90 minutes

## Recommended Training

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

Course Title	Course Number	Mode	Available
ECS Concepts and Features	MR-EWN-ETECISO	On Demand	8/22/2022
ECS Solution Design - Platform Architecture	ES502STG01880	On Demand	9/16/2022
ECS Solution Design - Networking	ES502STG02067	On Demand	9/16/2022
ECS Solution Design - Cluster Access	ES502STG02069	On Demand	9/16/2022
ECS Solution Design - Data Management	ES502STG02068	On Demand	9/16/2022
ECS Solution Design - Monitoring and Performance	ES502STG02066	On Demand	9/16/2022
ECS Solution Design - Verticals	ESSTGD04180	On Demand	9/16/2022

Note: These exam description details reflect contents as of February 6, 2023

Copyright © 2024 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

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