

Dell Data Protection and Management Foundations 2023

Certification Description



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Certification Overview

This certification provides a comprehensive understanding of the various data protection and availability solutions for modern data protection wherever data lives including cloud, data center or edge devices. It enables participants to make informed decisions on data protection-related technologies and provides a strong understanding of data protection technologies and prepares participants for advanced concepts, technologies, and processes.

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 Data Protection and Management Foundations exam.

Note: These details reflect certification requirements as of February 2, 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 data protection and management in a modern data center environment. It includes fault-tolerant IT infrastructure, data backup, data deduplication, data replication, data archiving, and data migration. It also includes cloud-based data protection techniques, SDDC-specific data protection, and solutions for protecting Big data, Edge, and mobile device data, data security, and data protection management. A limited number of questions refer to product examples that are used in the training to reinforce the knowledge of technologies and concepts.

Exam Topics

Topics likely to be covered on this exam include:

Data Protection Architecture (17%)

- Describe the need for data protection and data availability, data center and its core elements
- Explain the various data protection and availability solution, key data protection and management activities
- Describe the building blocks of a data protection architecture, and related data source components
- Understand data protection applications and storage
- Explain data security and related management functions

Data Protection Solutions (35%)

- Describe fault tolerance, compute, network, and storage-based fault tolerance techniques, application-based fault tolerance techniques, and availability zones
- Describe backup architecture and backup recovery operations, granularity, topologies, and methods
- Describe components of the data deduplication solution: deduplication ratio and factors, granularity, source and target-based deduplication, and deduplication at primary storage
- Describe the nature and use of replica and how it is implemented in local and remote replication solutions

Data Archiving and Migration (10%)

- Describe data archiving architecture, archiving and retrieval operations, and storage tiering
- Describe SAN, NAS, hypervisor, and application-based migration

Data Protection for SDDC, Cloud, and Big Data (21%)

- Describe the SDDC architecture, benefits, software-defined compute, storage, and networking, and data protection process
- Describe the key aspects of cloud computing, cloud services models, and cloud deployments models
- Explain cloud-based backup, replication, archiving, and migration
- Describe big data analytics, data protection solution for data lake, big data as a service, mobile device backup, and cloud-based mobile device data protection

Securing and Managing the Data Protection Environment (17%)

- Describe drivers for data security, GRC, and security threats
- Understand various security controls and cyber recovery in a data protection environment
- Explain data protection management functions, and management processes that support data protection operations

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.

Please complete one of the following

Course Title	Course Number	Mode	Available
Data Protection and Management	ESOCMD02636	On-Demand	03/29/21
Data Protection and Management	ESOCMS02637	Classroom / Virtual Classroom	7/19/21

Note: These exam description details reflect contents as of February 3, 2024.

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