

## Associate - Information Storage and Management Version 5.0

### Certification Description



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

### Certification Overview

This certification validates the learner's comprehensive understanding of various storage infrastructure components in modern data center environments. It tests the learner's knowledge of storage-related technologies in an increasingly complex IT environment, which is fast changing with the adoption of new technologies in a digital transformation era (Cloud, Edge computing, Big Data, IoT, ML/AI, and 5G). It provides a strong understanding of storage-related technologies such as storage networking technologies (FC SAN, IP SAN, and NVMe over Fabric), intelligent storage systems (block, file, and object), data protection (backup, archive, and replication), and storage infrastructure security and management.

### Certification Requirements

To complete the requirements for this certification you must:

Pass the following Associate level exam on or after February 11, 2022.

- [DEA-1TT5 Associate - Information Storage and Management Exam](#)

Note: These details reflect certification requirements as of **2/11/22**.

### Other Certification Recommendations

This certification will qualify towards most of the below-mentioned Specialist level certification tracks in the Dell EMC Proven Professional program

- Cloud Architect (DCS-CA)
- Systems Administrator (DCS-SA)
- Technology Architect (DCS-TA)
- Implementation Engineer (DCS-IE)
- Platform Engineer (DCS-PE)
- Security (DCS)

Please refer to the [Certification Framework](#) for more details about individual certifications.

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.



# DEA-1TT5 Associate - Information Storage and Management Exam

## Exam Description



### Duration

90 Minutes  
(60 Questions)

**Pass Score: 60**

### Practice Test

Exam – [DEA-1TT5](#)

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### Overview

This exam is a qualifying exam for the **Associate - Information Storage and Management (DCA-ISM)** certification.

This exam focuses on information storage and management in a modern data center environment. It includes technologies driving digital transformation, intelligent storage systems, software-defined data center, storage networking technologies, and various business continuity options – along with security and management of a storage infrastructure. A limited number of questions refer to product examples that are used in the training to reinforce the knowledge of technologies and concepts.

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.

### Exam Topics

Topics likely to be covered on this exam include:

#### Modern Data Center Infrastructure (18%)

- Describe the data classification, elements of a data center, key characteristics of a data center, and key technologies driving digital transformation
- Explain the cloud characteristics, cloud service models, and cloud deployment models
- Explain the key characteristics of big data, big data analytics, AI/ML, Internet of Things (IoT) architecture, Edge computing, and 5G technologies
- Describe a compute system, storage, connectivity in a data center, and application center
- Describe software-defined data center, modern data center architecture, and options to build a modern data center

#### Storage Systems (23%)

- Explain the components of an intelligent storage system, and RAID
- Describe storage provisioning and tiering
- Explain the features and components of block, file, object, and unified storage system

#### Storage Networking Technologies (19%)

- Explain the FC SAN components, FC ports, topologies, link aggregation, and SAN virtualization
- Explain the components and connectivity of iSCSI, FCIP, and FCoE



- Explain the NVMe over Fabrics, Software-defined storage and networking

#### **Backup, Archive, and Replication (24%)**

- Describe the information availability measurements and key fault tolerance techniques
- Explain backup granularity, architecture, backup targets, operations, and backup methods
- Describe data deduplication and data archiving solutions architecture
- Describe replication uses, and replication and migration techniques

#### **Security and Management (16%)**

- Describe the information security goals, terminologies, various security domains, and threats to a storage infrastructure
- Explain key security controls to protect the storage infrastructure
- Describe the storage infrastructure management functions and processes

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 [one] of the following courses**

Course Title	Course Number	Mode	Available
Information Storage and Management v5	ESOCMD03294	On-Demand	12/10/2021
Information Storage and Management v5	ESOCMS03293	Classroom/ Virtual Classroom	January 2022

Note: These exam description details reflect contents as of **February 11, 2022**.

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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