Information Storage and Management ISM V4

Duration: 5 Days   Course Code: ISMV4

Overview:

Information Storage and Management (ISM) is a unique course that provides a comprehensive understanding of the various storage infrastructure components in a modern data center environment. Participants will learn the architectures, features, and benefits of intelligent storage systems including block-based, file-based, object-based, and unified storage; software-defined storage; storage networking technologies such as FC SAN, IP SAN, and FCoE SAN; business continuity solutions such as backup and replication; the highly-critical area of information security; and storage infrastructure management. This course takes an open-approach to describe all the concepts and technologies, which are further illustrated and reinforced with Dell products and based on real world use cases. This course aligns to the Associate level proven professional certification which serves as a baseline for a number of additional product specializations.

Target Audience:

Experienced IT professionals, who may not have had exposure to all of the segments of modern storage infrastructure
Experienced IT professionals managing storage infrastructure and services
Students and professionals who are looking to pursue a career in the storage industry
Organization-wide IT teams directly or indirectly responsible for planning, designing, deploying, managing, or leveraging information infrastructure
Individuals who are seeking Proven Professional Information Storage Associate certification

Objectives:

- Upon successful completion of this course, participants will be able to:

- Describe modern technologies driving digital transformation - cloud, big data, IoT, and machine learning

- Describe modern data center infrastructure and its elements

- Explain intelligent storage systems and their types (file, block, and object)

- Evaluate various storage networking technologies and their deployment

- Describe software-defined storage and networking

- Articulate business continuity and data protection solutions (replication, backup, and archiving)

- Describe storage infrastructure security and management processes

Prerequisites:

- To understand the content and successfully complete this course, a participant must have a basic understanding of computer architecture, operating systems, networking, and databases
- Participants with experience in specific segments of storage infrastructure would also be able to assimilate the course material

Content:

The content of this course is designed to support the course objectives. The following focus areas are included in this course:

Module 1: Introduction to Information Storage

- Digital data and its types
- Information storage
- Key characteristics of data center
- Driving digital transformation

Module 2: Modern Technologies Driving Digital Transformation

- Cloud computing and its essential characteristics
- Cloud services and cloud deployment models
- Big data analytics
- Internet of Things and mobile computing
- Machine learning and artificial intelligence

Module 3: Modern Data Center Environment

- Compute, storage, and networking
- Application services
- Software-defined data center
- Modern data center infrastructure architecture

Module 4: Intelligent Storage Systems

- Components of an intelligent storage system
- RAID
- Types of intelligent storage systems
- Scale-up and scale-out storage architecture

Module 5: Block-based Storage System

- Components of block-based storage system
- Storage provisioning and storage tiering

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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