

# Information Storage and Management



## Certification Alignment

Expert	N/A
Specialist	All Specialist Level Exams
Associate	E20-001 Exam

Benefits storage architects, administrators, or managers; CIOs or project managers; or recent additions to information and storage management teams.

You will learn to make informed decisions across multiple technologies involving SAN, NAS, CAS, IP-SAN, Backup and Recovery, Business Continuity, Security, and Virtualization.

Prepare for your Associate-Level Certification (EMCISA).

## Associate Course

## Course Topics



(5 Days)

### Information Storage and Management

Information Storage and Management (ISM) is the only course of its kind to fill the knowledge gap in understanding varied components of modern information storage infrastructure. It provides a strong understanding of information storage technologies which prepares you to learn advanced concepts, technologies and also enable you to make more informed decisions in an increasingly complex IT environment. You will learn about the architectures, features, and benefits of Intelligent Storage systems; storage networking technologies such as FC-SAN, NAS, and IP-SAN; long-term archiving solution—CAS; business continuity solutions such as backup and replication, the increasingly critical area of information security, and the emerging field of storage virtualization including storage resource management. The technologies described in the course are illustrated and reinforced with EMC product examples. Realistic case studies enable the participant to design the most appropriate solution for given sets of criteria.

OR

OR receive the same content in the following self-paced e-Learning



(20 Hrs)  
(Total)

### Storage Systems

- Describe the challenges in information storage and management
- Describe the core elements in a data center infrastructure
- List and describe the components of storage system environment
- Describe RAID and its various levels
- Describe features and implementation of intelligent storage systems

### Storage Networking Technologies and Virtualization

- Describe the components, connectivity, and management of:
- Direct Attached Storage (DAS)
  - FC and IP Storage Area Networks (SAN)
  - Network-Attached Storage (NAS)
  - Content-Addressed Storage (CAS)
- Compare the benefits and challenges of each of the storage models
  - Describe storage virtualization technologies

### Business Continuity

- Discuss the concept of information availability and its measurement
- Describe the backup/recovery purposes and considerations
- Discuss architecture and different backup/recovery topologies
- Describe local replication technologies and their operation
- Describe remote replication technologies and their operation

### Storage Security and Management

- Define information security
- List the critical security attributes for information systems
- Define storage security domains
- List and analyze the common threats in each domain
- Identify key parameters and components to monitor in a storage infrastructure
- List key management activities with examples
- Define storage management standards and initiative



Instructor-Led Training



Video-ILT (VILT)



e-Learning