

دوره ۴ ISMV (جدید) | Information Storage and Management Version ۴.۰

دوره جدید Information Storage and Management Version ۴.۰

مروری بر دوره

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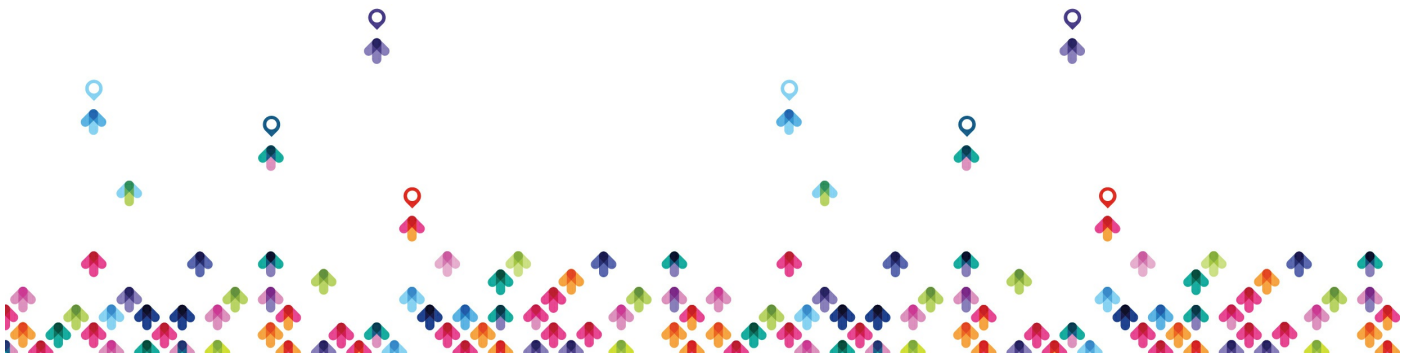
سرفصل ها

Module ۱: Introduction to Information Storage

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

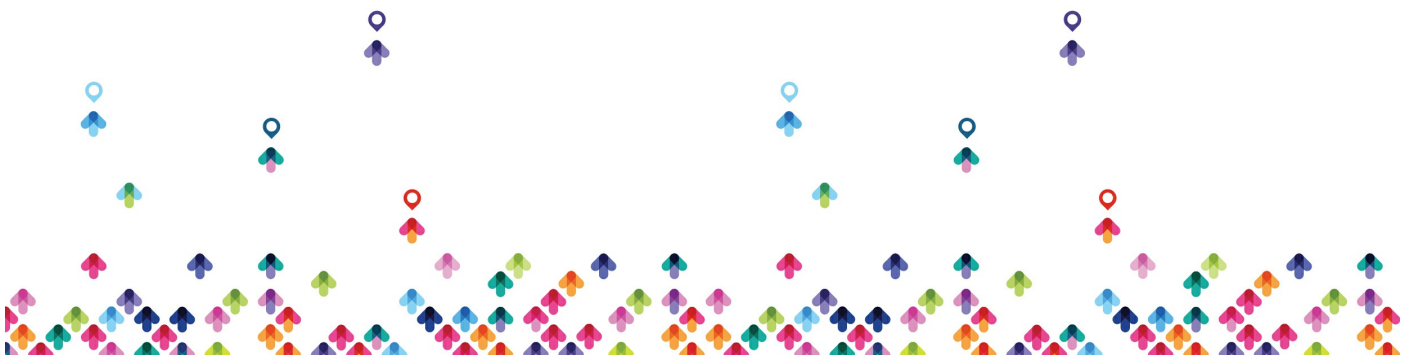
• Module ۲: Modern Technologies Driving Digital Transformation

- o Cloud computing and its essential characteristics
- o Cloud services and cloud deployment models
- o Big data analytics



- o Internet of Things and mobile computing
- o Machine learning and artificial intelligence
- Module ۳: Modern Data Center Environment
- o Compute, storage, and networking
- o Application services
- o Software-defined data center
- o Modern data center infrastructure architecture
- Module ۴: Intelligent Storage Systems
- o Components of an intelligent storage system
- o RAID
- o Types of intelligent storage systems
- o Scale-up and scale-out storage architecture
- Module ۵: Block-based Storage System
- o Components of block-based storage system
- o Storage provisioning and storage tiering

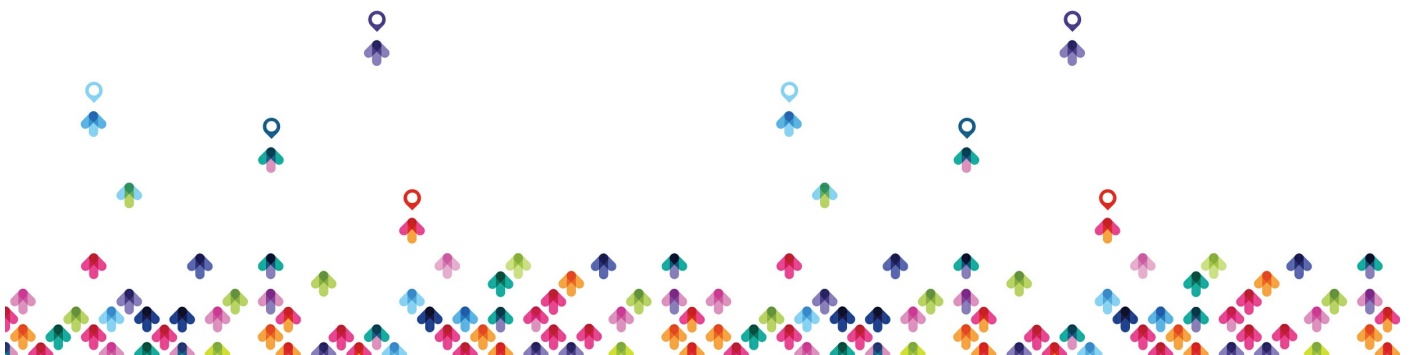
Module ۶: Fibre Channel SAN



- o FC SAN Overview
- o FC architecture
- o FC topology and zoning
- o SAN Virtualization
 - Module ۷: IP and FCoE SAN
- o Overview of TCP/IP
- o IP SAN overview
- o iSCSI
- o FCIP
- o FCoE
 - Module ۸: File-based and Object-based Storage System
- o NAS components and architecture
- o File-level virtualization and tiering
- o Object-based and unified storage
- Module ۹: Software-Defined Storage and Networking
 - o Software-defined storage



- o Software-defined networking
 - Module ۱۰: Introduction to Business Continuity
- o Business continuity overview
- o Fault tolerance IT Infrastructure
 - Module ۱۱: Data Protection Solutions
- o Replication
- o Backup and recovery
- o Data deduplication
- o Data archiving
- o Migration
 - Module ۱۲: Storage Infrastructure Security
- o Introduction to Information Security
- o Storage security domains and threats
- o Key security controls
 - Module ۱۳: Storage Infrastructure Management
- o Introduction to storage infrastructure management



o Operations management

پیش نیازها

- آشنایی با مبانی مربوط به معماری کامپیوتر، سیستم عاملها، شبکه و دیتابیسها
- افرادی که سابقه فعالیت در بخشهای بخصوصی از زیرساختهای مربوط به **storage** را دارند، به مراتب بهتر از سایرین قادرند تا مطالب مطرح شده در این دوره را درک کنند.

