



EMC Isilon Administration and Management

Duration: 5 Days **Course Code: ISIAM**

Overview:

The course prepares students to perform Isilon cluster administration. Topics include the configuration of basic and advanced SmartConnect, SMB and NFS client access; FTP, HTTP configurations; data protection/replication in single and multi-cluster implementations, archive deployment, snapshots and replication, SNMP integration, data protection and caching, analytics and monitoring, auditing and the job engine. This training consists of 8 modules. The total time required to complete this course is approximately 5 days.

Target Audience:

This course is intended for customers.

Objectives:

- Understand the overall Isilon cluster architecture
 - Explain the cluster layout and different types of access
 - Navigate the details of file access
 - Configure cluster features
 - Utilize the tools to perform cluster monitoring
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Prerequisites:

To understand the content and successfully complete this course, a student must have a suitable knowledgebase/skill set. The student must have an understanding of:

- Networking fundamentals such as TCP/IP, DNS and routing
- An introduction to storage such as NAS/SAN differences and basic storage principles and features
- Installation process of an Isilon cluster.

Students should have completed the following EMC courses:

- Isilon Fundamentals (e-learning)
 - Isilon Installation and Initial Configuration (e-learning)
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Content:

Isilon architecture overview

- Isilon cluster architecture
- Hardware nodes
- Data protection
- Storage types
- Management access
- RBAC

Data layout and protection

- Protection and overhead
- Sub pools, data layout, and actual protection
- Caching
- Network configuration

Access to the cluster

- External interface connections
- SmartConnect
- Directory service integration
- Access zones

File access

- Identity management
- Access utilizing multiple protocols
- Permissions
- Configuring shares and exports
- Alternative platform access

Storage management

- Node pools and tiers
- Smartpools and file pools
- SmartQuotas
- SnapShotIQ
- SyncIQ
- Deduplication
- SmartLock

Application Integration

- Hadoop and HDFS
- NDMP and backup
- Auditing

Monitoring

- Installing InsightIQ
- Using InsightIQ and FSA
- ESRS

Job Engine

- Job engine architecture
- Built-in jobs
- Data integrity safeguards
- Jobs and job management

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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