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## EMC Isilon Administration and Management

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

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### 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.

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### Target Audience:

This course is intended for customers.

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### 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

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## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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