EMC Isilon Administration and Management

Duration: 5 Days   Course Code: ISIAM   Delivery Method: Virtual Learning

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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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

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)

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 Head Office 01189 123456 / Northern Office 0113 242 5931

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