



## EMC Data Domain System Administration

**Duration: 4 Days**    **Course Code: DDSADMIN**

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### Overview:

The Data Domain System Administration course provides the knowledge and skills needed for managing Data Domain systems.

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### Target Audience:

This course is intended for administrators, support personnel, and others responsible for using and managing Data Domain systems.

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### Objectives:

- Describe deduplication
  - Describe Data Domain technologies, including Data Domain deduplication
  - Monitor a Data Domain system
  - Perform a Data Domain system initial setup
  - Identify and configure Data Domain data paths
  - Configure and manage Data Domain network interfaces
  - Access and copy data to a Data Domain system
  - Customize and manage a Data Domain deduplication file system
  - Describe and perform data replication and recovery
  - Describe and configure a VTL
  - Describe DD Boost
  - Perform a DD Boost backup
  - Describe capacity and throughput planning
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### Prerequisites:

- To understand the content and successfully complete this course, a student should have an understanding of computer storage, networking and backup concepts.
  - A student must also successfully complete the EMC Data Domain Technology and System Introduction eLearning course before attending the Data Domain System Administration course.
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## Content:

### Technical Overview

- Data Domain Overview
- Deduplication Basics
- EMC Data Domain Stream-Informed Segment Layout (SISL™) Scaling Architecture Overview
- EMC Data Domain Data Invulnerability Architecture (DIA) Overview
- EMC Data Domain File Systems Introduction
- EMC Data Domain Protocols Overview
- EMC Data Domain Data Paths Overview
- EMC Data Domain Administration Interfaces

### Basic Administration

- Verifying Hardware
- Manage System Access
- Introduction to Monitoring a Data Domain System
- Licensed Features
- Upgrading a Data Domain System

### Managing Network Interfaces

- Configuring Network Interfaces
- Link Aggregation
- Link Failover
- VLAN and IP Alias Interfaces

### CIFS and NFS

- CIFS
- NFS

### File System and Data Management

- Configuring and Monitoring MTrees
- Snapshot Operations
- Fast Copy
- File System Cleaning

### Monitoring File System Space Usage Data Replication and Recovery

- Data Replication
- Configuring Replication
- Monitoring Replication
- Data Recovery

### Tape Library and VTL Concepts

- Data Domain VTL Overview
- VTL Planning
- Configure Data Domain as a VTL

### DDBoost

- DD Boost Overview and Features
- Configuring Data Domain to Use DD Boost
- Using DD Boost with Backup Software

### Data Security

- Data Domain Retention Lock
- Data Sanitization
- Encryption of Data at Rest

### Sizing, Capacity and Throughput Planning and Tuning

- Capacity Planning
- Throughput Planning
- Model Capacity and Throughput Performance
- Throughput Monitoring and Tuning

In addition to lecture and demonstrations, this course includes labs designed to allow practical experience

for the participant.

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## Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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