

EMC Data Domain System Administration

Duration: 4 Days Course Code: DDSADMIN

Overview:

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

Target Audience:

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

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.

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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