

## Data Domain System Administration

### Learn to configure and maintain Data Domain systems.

In this course, you will gain the knowledge and skills needed to manage Data Domain systems. You will learn Data Domain system concepts, verify system configuration, manage network interfaces, configure and manage a virtual tape library (VTL), perform data backups and recoveries, manage data security, Domain Data Boost and replication, plan for capacity and throughput, and monitor and upgrade a Data Domain system.

**Certification:** EMC Data Domain Backup and Recovery Specialist

### What You'll Learn

- Deduplication
- Data Domain operating environment, including Data Domain deduplication
- Configure Data Domain data paths
- Perform a Data Domain system initial setup
- Access and copy data to a Data Domain system
- Configure and manage Data Domain network interfaces
- Configure a VTL
- Customize and manage a Data Domain deduplication file system
- Perform data replication and recovery
- Configure and manage data security on a Data Domain system
- Data Domain Boost
- Perform a Data Domain Boost backup
- Capacity and throughput planning
- Monitor a Data Domain system

### Who Needs to Attend

Administrators, support personnel, and others responsible for using and maintaining Data Domain systems

### Prerequisites

- Understanding of computer storage, networking, and backup concepts
- EMC's Data Domain Technology and System Introduction

### Follow-On Courses

There are no follow-ons for this course.

### Course Outline

#### 1. Technical Overview

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

#### 2. Basic Administration

- Verifying Hardware
- Managing System Access
- Monitoring a Data Domain System
- Licensed Features

- Upgrading a Data Domain System

### **3. Managing Network Interfaces**

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

### **4. CIFS and NFS**

- CIFS
- NFS

### **5. File System and Data Management**

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

### **6. Data Security**

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

### **7. Data Replication and Recovery**

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

### **8. Tape Library and VTL Concepts**

- Data Domain VTL
- VTL Planning
- Configuring Data Domain as a VTL

### **9. Data Domain Boost**

- Data Domain Boost and Features
- Configuring Data Domain to Use Data Domain Boost

### **10. Sizing, Capacity and Throughput Planning, and Tuning**

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

#### **Further Information:**

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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