



Data Domain System Administration

Course Description

Overview

The Data Domain System Administration course provides the knowledge and skills needed for configuring and maintaining Data Domain systems. The course provides lectures, instructor demonstrations, hands-on exercises, reviews, knowledge checks and pointers to further study.

Audience

This course is intended for all audiences. This course is intended for students who plan on using and administering Data Domain systems.

Prerequisite Knowledge/Skills

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 computer storage, networking, and backup concepts

Course Objectives

Upon successful completion of this course, participants should be able to:

- 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

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- Perform a DD Boost backup
- Describe capacity and throughput planning

Course Outline

The content of this course is designed to support the course objectives.

- Module: Introduction to Data Domain Systems
 - Lesson: Hardware Overview
 - Lesson: Software Overview
 - Lesson: Data Domain Data Paths
 - Lesson: Accessing a Data Domain System
- Module: Basic Administration
 - Lesson: Hardware Overview
 - Lesson: Manage System Access
 - Lesson: Introduction to Monitoring
 - Lesson: :Licensed Features
 - Lesson: Upgrading a Data Domain System
- Module: Managing Network Interfaces
 - Lesson: Configuring Network Interfaces
 - Lesson: Link Failover and Aggregation
 - Lesson: VLAN and IP Alias Interfaces
 - Lesson: Configuring Fibre Channel Connections
- Module: CIFS and NFS
 - Lesson: CIFS
 - Lesson: NFS
- Module: File system and Data Management
 - Lesson: Configuring and monitoring MTrees
 - Lesson: Configuring and Monitoring Snapshots
 - Lesson: Fast Copy
 - Lesson: File System Cleaning
 - Lesson: Monitoring File System Space Usage
 - Lesson: Migrating Storage
- Module: Data Replication and Recovery
 - Lesson: Data Replication Overview
 - Lesson: Configuring Replication
 - Lesson: Monitoring Replication
 - Lesson: Disaster Recovery
- Module: Tape Library and VTL Concepts
 - Lesson: Data Domain VTL Overview
 - Lesson: VTL planning
 - Lesson: VTL Access Groups

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- Lesson: Configuring Data Domain for VTL
- Module: DD Boost
 - Lesson: DD Boost Overview and Features
 - Lesson: Configure DD Boost on a DD System
 - Lesson: Using DD Boost with Backup Software
- Module: Data Security
 - Lesson: Data Domain Retention Lock
 - Lesson: Data Sanitization
 - Lesson: Encryption of Data at Rest
- Module: Secure Multi-Tenancy
 - Lesson: Secure Multi-Tenancy Overview
 - Lesson: Configuring Secure Multi-Tenancy
 - Lesson: Monitoring Secure Multi-Tenancy
- Module: Sizing, Capacity, and Throughput Planning and Tuning
 - Lesson: Capacity and Throughput Planning Overview
 - Lesson: Model Capacity and Throughput Performance
 - Lesson: Throughput Monitoring and Tuning

In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.

Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

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