

Avamar Implementation and Administration (MR-7LP-AVAM633)

ID MR-7LP-AVAM633 Prix US \$ 5 500,- (Hors Taxe) Durée 5 jours

A qui s'adresse cette formation

This course is intended for system administrators, system engineers, partners, and support specialists who administer and support Dell EMC Avamar.

Pré-requis

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 Avamar 19.1 and earlier versions.

Objectifs

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

- Describe the Avamar solution, its component, and processes
- Locate Avamar installation procedures and best practices
- Deploy Avamar
- Perform an upgrade of Avamar
- Start and stop Avamar processes
- Configure Avamar server software
- Integrate supported systems into Avamar
- Verify operation of Avamar
- Establish remote connectivity for support monitoring and assistance
- Troubleshoot and resolve installation or upgrade issues
- Perform Avamar administrative tasks using various interfaces
- Run scheduled and on-demand backups for a variety of systems
- Restore files using Avamar Administrator and Avamar Client interfaces
- Describe and configure Avamar replication
- Describe Avamar server daily maintenance activities
- Use Avamar tools to perform system monitoring, maintenance, capacity management, and troubleshooting
- Deploy Avamar clients
- Integrate Avamar with Data Domain

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Avamar Concepts

- Avamar Introduction
 - Backup Challenges
 - Avamar Solution
 - Key Avamar Features
 - Systematic Fault Tolerance
 - Avamar Terminology
 - Data Deduplication and Granularity
 - Avamar Deduplication Backup Process
 - Data Object Storage
 - Backup Data Storage Organization
 - Avamar Support for Virtual Machines
 - Avamar in Integrated Data Protection Appliance
 - Avamar and Data Domain Integration
 - Avamar NDMP Integration
 - Avamar in Distributed Enterprises

Avamar Architecture

- System Components
- Avamar Server Editions
- Avamar Data Store Specification
- Server Node Types and Configuration

Avamar Capabilities

- Administration and Management Interfaces
- Backup Clients
- Backup Policy
- Customizing Policies
- Avamar Backup
- Avamar Restore
- Avamar Encryption
- Avamar Replication
- Replication Types
- Avamar Cloud Tier
- Avamar Licensing

Avamar Implementation

- Avamar Virtual Edition (AVE) Overview

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- What is AVE
 - AVE Supported Environments
 - AVE Integration
 - Server Replication
 - AVE and Data Domain Integration
- Avamar Installation
 - Pre-Requisites – AVE Installation
 - Avamar System Utilities for Implementation
 - Avamar System Utilities – Commands
 - AVE Installation in VMware Environment
 - Commercial DPS Deployer
 - Post Installation Configuration
 - Avamar Upgrade
 - Avamar OS Enhancements
 - Upgrade Requirements and Best Practices
 - Upgrading Avamar Software
 - Post-Upgrade Activities
- ## Avamar Administration
- Avamar Overview
 - Avamar Administration Tools
 - Connection Limits
 - Avamar Server Process – Notification and Reporting
 - Avamar Client Process
 - Avamar Backup Process Flow
 - Client-Server Data Port Usage and Firewall Requirements
 - Avamar Integration with Data Domain - Required Ports
 - Avamar Data Deduplication Workflow
 - More About Sticky Byte Factoring
 - More About Compression
 - Client Cache Files and the Backup Process
 - SHA-1 Hashing
 - Avamar and Data Domain Integration
 - Avamar Cloud Tier
 - Data Protection Advisor (DPA) with Avamar
 - Search with Avamar
 - Exporting Avamar Data to Tape
 - Backing Up Databases versus File System Data
 - Avamar Database Clients
 - Avamar – Database Backup Options
 - AUI Overview
 - Introduction to AUI
 - AUI Navigation Pane
 - AUI Dashboard
- Installing Avamar Backup Client Software
 - Avamar Backup Client Software
 - Verify Avamar Client System Requirements
 - Installing Avamar Windows Client Software
 - Windows Client Software Plug-ins
 - Installing Multiple Desktops and Laptops
 - Launching Avamar Windows Client Interface
 - Avamar Client Processes and Services (Windows)
 - Avamar Client Directory Structure
 - Account Management
 - Avamar Domain
 - Avamar Users
 - Avamar Authentication
 - AUI Domain Tree Structure
 - Account Management Tasks
 - Managing Directory Services
 - Registering Avamar Clients
 - Account Management for Clients
 - Using the MCCLI Command
 - Best Practices: Domains, Users, and Clients
 - Adding a Data Domain System Using AUI
 - Using Client Manager
 - Avamar Client Manager
 - Managing Clients
 - Activating Clients
 - Avamar Backups
 - Scheduled Backups
 - On-Demand Backups
 - Avamar Desktop/Laptop
 - Managing and Monitoring Backup Activity
 - Performing Restores
 - Restoring Client Data
 - Client Server Recovery with Avamar
 - Avamar Replication
 - Cloud Tier
 - System Monitoring and Maintenance
 - Avamar Server Environment
 - Daily System Monitoring Tasks
 - Daily Avamar Server Maintenance Activities
 - Managing Avamar Server Capacity

- Logs, Troubleshooting, and Reporting
 - Avamar Processes and Logs
 - Troubleshooting
 - Avamar Reports and Fitness Analyzer

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Centres de formation dans le monde entier



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