

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

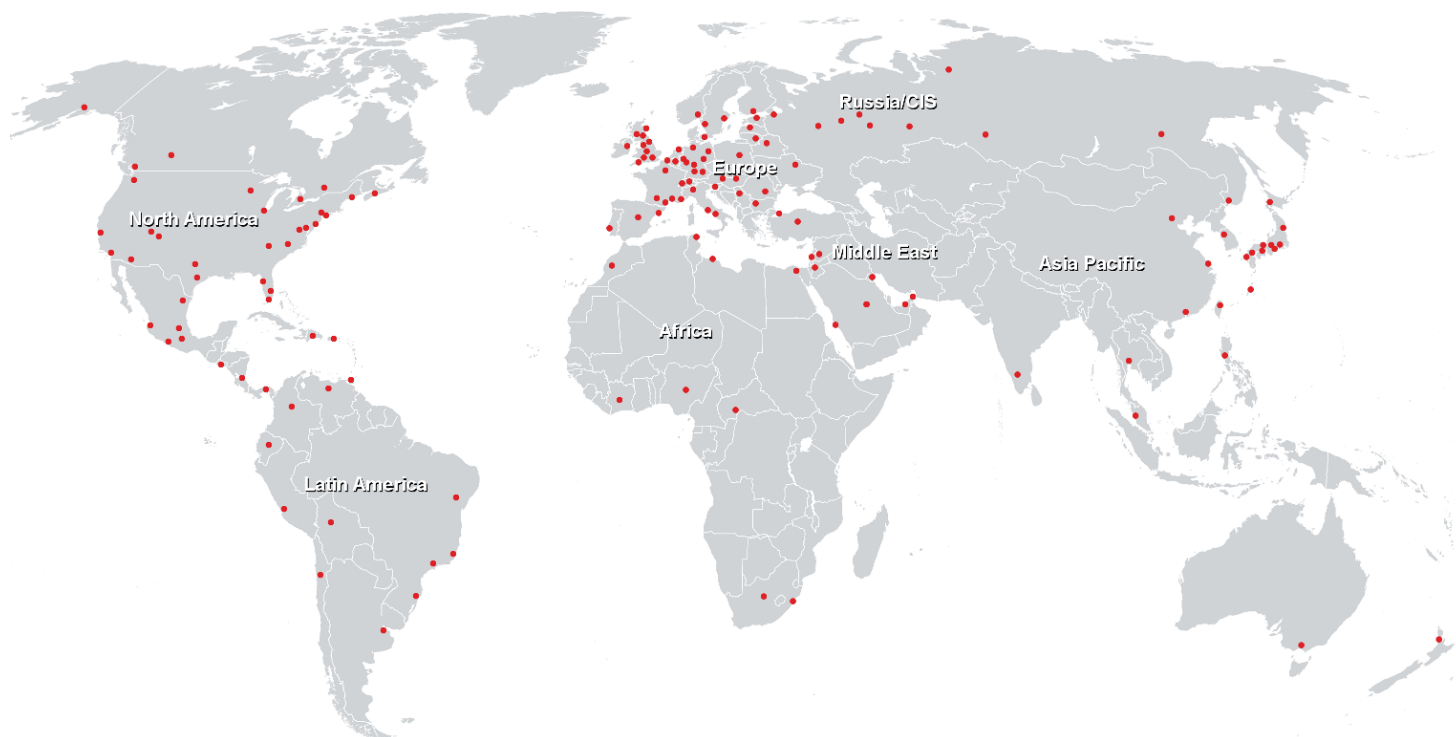
• System Monitoring and Maintenance

- 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



Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>