

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

#### Contenu

### **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

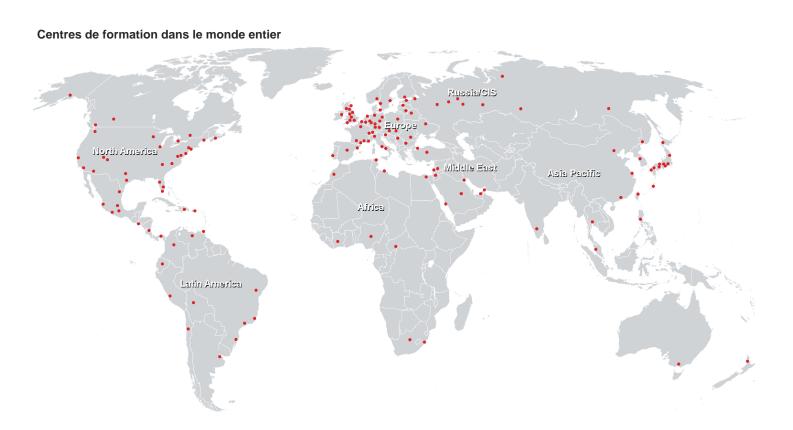
- · What is AVE
- AVE Supported Environments
- AVE Integration
- · Server Replication
- AVE and Data Domain Integration
- Avamar Installation
  - Pre-Requisites AVE Installation
  - Avamar System Utilities for Implementation
  - Avamar System Utilities Commands
  - AVE Installation in VMware Environment
  - 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 ServicesRegistering 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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