

Data Protection Advisor (DPA) Implementation and Administration

Course Description

Course Duration

3 Days

Overview

This class explains and demonstrates the purpose, deployment, configuration, and use of Data Protection Advisor (DPA). Students learn key terms and concepts; the use cases DPA addresses; and the key features and functionalities of DPA. Students learn how to deploy the DPA components; how to upgrade DPA to the latest release; and how to configure DPA for operation. Students learn how to create and manage user accounts; how to configure backup components for reporting purposes and remote data collection configuration; and how to connect data sources to DPA. Students learn how to generate reports; how to interpret reports; and how to perform basic customization of dashboards and reports.

Audience

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

Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, a participant must have a basic understanding of computer architecture, operating systems, networking, databases, and enterprise data protection. Participants will also maximize benefit from this course if they already have administration and operation experience with at least one data protection product.

Course Objectives

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

- Identify use cases where DPA can be used
- Give examples of how to use DPA to address those use cases
- Describe DPA features and capabilities
- Navigate the DPA UI
- Explain each of the key concepts required to administer and use DPA
- Understand the prerequisites for a successful DPA deployment
- List the licensing options
- Verify that prerequisites are met
- Locate DPA installation procedures and best practices
- Deploy DPA
- Perform an upgrade of DPA
- Start and stop DPA processes

Support Contact

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DELL EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

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- Perform initial configuration of DPA
- Verify operation of DPA
- Establish remote connectivity for support monitoring and assistance
- Troubleshoot and resolve installation or upgrade issues
- Locate DPA documentation and best practices
- Configure DPA to gather backup data for use in monitoring and reporting
- Create and manage DPA user accounts and roles
- Locate and communicate logs and information for Dell EMC Support
- Perform all DPA administrative functions
- Locate DPA documentation and best practices
- Manage DPA through the GUI
- Run and interpret reports and dashboards
- Perform basic customization of dashboards and reports

Course Outline

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

DPA Concepts

- Positioning and Benefits
 - What is Data Protection Advisor
 - The Right Tool for the Right Job
 - Reasons to Use
 - DPA Sources of Data
 - DPA Output
 - DPA Value Proposition
- DPA Architecture
 - DPA User Interface
 - DPA Cloud Support
 - DPA Environment Support
 - Federated Reporting

DPA Implementation

- Data Protection Central Architecture
 - Deployment Architecture
 - Ports and Protocols
 - Datastore Replication
- Licensing
 - 90 Days Evaluation License
 - Licensing Options

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- Packages Software
 - Server
 - Agent
- Server Installation
 - Datastore
 - Datastore Replication
 - Application Server
 - Application Server Clustering
- Installation Troubleshooting
 - Logs
 - Processes
 - Deployment Status
- Agent Installation
 - Installation
 - Agent logs
- DPA UI
 - Launching
 - Setup Guide
 - License
 - Default Passwords
- Discovering the Environment
 - Discovery Wizard
 - Manual Discovery

DPA Administration for the Sys Admin

- User Administration
 - Users and Security Overview
 - User Accounts
 - User Roles and Privileges
 - External Authentication
 - Security Settings
- Object management
 - DPA Objects and groups
 - Object Searching
 - Object Attributes
 - Smart Groups
- Analysis Engine
 - Overview
 - Analysis Policies
 - Rules Templates

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- Creating Analysis Policy
- Adding Analysis Rule to Analysis Policy
- Applying Analysis Policy
- System Settings
 - System Management Overview
 - Custom Resolutions
 - System Settings
 - Historical Data Collection
 - Server data deletion
 - Time Periods
 - Report Settings
 - Schedules
 - Data Collection
 - Sites
 - Federated Reporting
- Datastore administration
 - Backup of the Datastore
- DPA REST API
- Troubleshooting
 - Logs
 - System Settings
 - Data Collection
 - Report output

DPA Administration for the Backup Operator

- Reports
 - DPA Reports
 - Running Reports
 - Appearance Customization
 - Report Actions
 - Scheduling Reports
 - Chargeback Reports
 - SLA Reports
 - Top Reports
- Dashboards
 - Dashboards
 - Creating New Dashboards
- Alerts
 - Alerts
 - Alert Details

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- Alert Filters
- Alert Management

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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