

Data Protector 11.x VMware Integration (DP220-110)

ID DP220-110 Price 1,500.— €(excl. tax) Duration 2 days

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Course Overview

This course demonstrates effective VMware Integration with the Data Protector (DP) application. It is designed for Data Protector Administrators who are responsible for protecting their VMware environment, or anyone wanting to implement and learn about the advanced and multifaceted VMware integration capabilities of Data Protector. These capabilities include the back up of a Virtual Machine (VM), a vAPP with many VMs, or an entire VMware Data Center. This course is based on DP 11. x and it is pluggable for DP 11.0 version training.

Participants learn the advantages of performing full, optimized full, incremental, and differential backups using Change Block Tracking (CBT). In addition, participants learn how the Granular Recovery Extension (GRE) is used to recover single files using either the staged non-cached method or the cached with StoreOnce and Smart Cache devices. The DP Advanced Web Plug-in allows easy single file recovery and is explained in detail. During the lab, the student performs cached and non-cached single file recovery. The ZDB VMware integration allows you to back up a large number of VMs with nearly no performance issues.

During the labs, students bring back their virtual machines using Power On and Live Migrate using a StoreOnce.

Who should attend

The course is designed for Data Protector/Windows/Network administrators who are responsible for VMware backup and Recovery within their environment.

Prerequisites

To be successful in this course, you should have the following prerequisites or knowledge:

- Completion of Data Protector 11.x Essentials course or equivalent working knowledge
- Basic knowledge of VMware

Course Objectives

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

- Describe the basic feature of VMware-based virtualized environments
- Explain VMware technologies and features used by Micro Focus Data Protector
- Describe the Data Protector Virtual Environment Agent (VEAgent)
- Explain the Data Protector Power On and Live Migration feature
- Explain the Data Protector VMware Granular Recovery Extension (GRE)
- Describe the Zero Downtime Backup (ZDB) Integration for VMware

Course Content

- Module 1: Course Overview
- Module 2: What's New in Data Protector 11. x
- Module 3: VMware Basics
- Module 4: VMware Technologies
- Module 5: VEAgent
- Module 6: Power On and Live Migration
- Module 7: Data Protector VMware GRE
- Module 8: ZDB Integration for VMware
- Module 9: Additional Features of Data Protector

Detailed Course Outline

Module 1: Course Overview

- Introduce the course overview, agenda, and logistics

- Explain the basic functionality of the VM Explorer
- Use the vepa_util.exe command
- Switch on debugging

Module 2: What's New in Data Protector 11. x

- Explain new enhancements and features of Data Protector 11.0

Module 3: VMware Basics

- Describe the VMware core components and features of a typical VMware environment
- Work with VMware's vSphere clients

Module 4: VMware Technologies

- Use Change Block Tracking (CBT)
- Describe Quiescence
- Explain the VMware Snapshot technology
- Describe the different transportation modes
- Explain VMware vVol and 3PAR Virtual Volume
- Describe the VMware Tools

Module 5: VEAgent

- Describe the advantages of the VEAgent
- Install the VEAgent
- Create a backup specification
- Use the different options of a backup specification
- Describe the different ways to restore a VM

Module 6: Power On and Live Migration

- Explain the concepts of the Data Protector Power On and Live Migration feature
- Perform Power On and Live Migration restores
- Identify the Power On and Live Migration limitations

Module 7: Data Protector VMware GRE

- Explain the concept of the DP VMware Granular Recovery Extension (GRE) module
- Describe cached and non-cached GRE
- Perform single file restores from backed up VMs using the VMware GRE module

Module 8: ZDB Integration for VMware

- Explain the VMware ZDB backup concept
- Configure the VMware ZDB backups in DP
- Restore VMs from a VMware ZDB backup

Module 9: Additional Features of Data Protector

- Describe the DP virtualization support matrices

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