

Data Protection and Management (DPM)

ID DPM **Price** US \$ 2,400.—(excl. VAT) **Duration** 4 days

Who should attend

This course is intended for all audiences.

Prerequisites

- To understand the content and successfully complete this course, a participant must have a basic knowledge of computer architecture, operating systems, networking, and databases.
- Participants with experience in data protection management would also be able to assimilate the course material.

Course Objectives

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

- Explain data protection architecture and its building blocks
- Evaluate fault-tolerance techniques in a data center
- Describe data backup methods and data deduplication
- Describe data replication, data archiving and data migration methods
- Describe the data protection process in a software-defined data center
- Articulate cloud-based data protection techniques
- Describe various solutions for protecting Big Data, cloud and mobile device data
- Describe security controls and management processes in a data protection environment

Course Content

Introduction to Data Protection

- Data Protection Primer
- Data Center
- Data Protection and Availability Solutions

Data Protection Architecture

- Data Source – Application and Hypervisor

- Data Source – Primary Storage
- Protection Application and Storage
- Data Security and Management

Fault-Tolerance Techniques

- Fault-Tolerance Overview
- Fault Tolerance Techniques – Compute and Network
- Fault Tolerance Techniques – Storage
- Fault Tolerance Techniques – Application and Availability Zone

Data Backup

- Introduction to Backup
- Backup Topologies
- Backup Methods

Data Deduplication

- Data Deduplication Overview
- Deduplication Granularity and Methods

Replication

- Data Replication Overview
- Local Replication
- Remote Replication

Data Archiving

- Data Archiving Overview
- Archiving Operation and Storage

Data Migration

- SAN-Based Data Migration
- NAS-Based Data Migration
- Host-Based Data Migration
- Application-Based Data Migration

Data Protection in Software-Defined Data Center

- Software-Defined Data Center Overview
- Software-Defined Compute, Storage, and Networking
- Data Protection Process in SDDC

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Cloud-based Data Protection

- Cloud Computing Overview
- Cloud-Based Data Protection
- Cloud-Based Data Archiving

Protecting Big Data and Mobile Device Data

- Big Data Overview
- Protecting Big Data
- Protecting Mobile Device

Securing Data Protection Environment

- Overview of Data Security
- Security Threats in Data Protection Environment
- Security Controls in Data Protection Environment – 1
- Security Controls in Data Protection Environment – 2
- Cyber Recovery

Managing the Data Protection Environment

- Introduction to Data Protection Management
- Operations Management – 1
- Operations Management – 2

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Training Centres worldwide



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