

Information Availability Design

Course Description



Course Number

MR-1CP-DCAIAD

Delivery Method

Instructor Led

Duration

5 Days



This course material supports the
EMC Proven Professional Program



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Overview

Information Availability Design course provides a comprehensive learning experience on all aspects of planning, designing, and deploying Information Availability solutions. In addition to covering business continuity options such as Backup, Local and Remote replication, this course also covers compliance requirements and design of data archiving solutions to meet those requirements. This course builds on the technology concepts and principles learned in the Information Storage and Management course (prerequisite) and enable participants to apply their knowledge to real-world scenarios. Lectures and workshop style case studies provide a thorough exposure to the technology components, design considerations, and best practices on various aspects of Information Availability.

Audience

This course is intended for:

- Experienced IT professionals who are responsible for architecting information infrastructure solutions
- IT professionals who have foundational knowledge on storage technologies and want to build their career in the storage industry
- Individuals who are seeking EMC Proven™ Professional Data Center Architect (EMCDCA), Information Availability Design Specialist Certification (Exam E20-017)

Prerequisite Knowledge/Skills

To understand the content and successfully complete this course, the student must have:

- An EMC Information Storage Associate (EMCISA) certification
- A good understanding of the computer architecture, operating systems, networking, and databases

Course Objectives

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

- Understand the requirements and business value justification of an Information Availability solution
- Describe components, considerations, and best practices for designing a backup, replication, and archive solution for a classic data center
- Describe the design considerations for backup and replication in a virtualized environment

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Topics Covered

This course is organized into Sections, Modules, and Lessons. The following sections are covered in this course:

Section 1: Analysis and Establishing of Information Availability

- Introduction to Information Availability and business value analysis
- Establishing Information Availability
- Case study on data classification and Information Availability metrics

Section 2: Designing Backup/Recovery Solutions

- Backup technology overview
- Backup design considerations
- Backup in a virtualized environment
- Backup management tools
- Case study on designing and deploying backup and recovery solutions

Section 3: Designing Replication Solution

- Planning for replication
- Local replication solution design
- Remote replication solution design
- Advanced remote replication technologies
- Replication in NAS environment
- Replication of virtual machines
- Case studies on designing and deploying replication solutions

Section 4: Designing Data Archiving Solutions

- Data archiving technologies and compliance
- Archiving design considerations

Case Studies and Concepts in Practices (EMC Product Examples)

The technologies and solutions described in the course are reinforced with EMC product examples and design best practices. Realistic case studies enable the participant to design the most appropriate solution for given sets of criteria.

Assessments

Assessments validate the student's understanding of the subject learned. This course includes self assessment quizzes at the end of each section.