DAYMARK
Navigate information technology

Fundamentals of Microsoft Azure Disaster Recovery

HIGHLIGHTS

- Deep exploration of Recovery Time Objectives and Recovery Point Objectives for business-critical workloads.
- Practical lab experience setting up disaster recovery via Azure Site Recovery.
- Best practices for designing resilient cloud architectures.
- Hands-on labs for setting up and testing disaster recovery plans in Microsoft Azure.
- Continuous improvement strategies for maintaining and updating disaster recovery plans.

ABOUT DAYMARK SOLUTIONS

Daymark Solutions excels in creating sophisticated technology solutions, specializing in addressing complex business challenges through expertly designed systems. Their highly skilled architects are adept at crafting well-architected solutions that seamlessly integrate cloud and data center technologies. By combining these technologies, they create robust, scalable and secure systems tailored to meet their clients' unique needs.

Designing a Disaster Recovery Strategy with Microsoft Azure.

You will learn the architecture and deployment fundamentals required to design a robust disaster recovery (DR) solution leveraging Microsoft Azure services. The workshop begins with a focus on understanding key concepts such as Recovery Time Objective (RTO), Recovery Point Objective (RPO) and how to group workloads according to RTO and RPO. Additionally, you will learn how to design, implement, and test disaster recovery plans that meet a sample organization's needs.

OVERVIEW

Data is among the most valuable commodities today; mitigating risk to business data is a constantly evolving science. Disaster recovery planning is a critical component to this effort. This workshop explores disaster recovery fundamentals, focusing on RTO and RPO as the foundation for DR planning. Participants will learn how to identify critical workloads, map business priorities to DR strategies, and use Azure services like Azure Site Recovery to develop resilient environments. By the conclusion of the workshop, we will have explored the practical aspects of DR planning, including designing DR architecture, setting up replication, failover strategies, and regularly testing DR plans. Participants will leave with a comprehensive understanding of how to maintain a resilient cloud environment.

LEARNING OBJECTIVES

At the completion of the engagement, participants will:

- Understand the core concepts of disaster recovery, including RTO and RPO, and their importance in cloud disaster recovery planning.

- Gain practical skills in designing and implementing a disaster recovery strategy using Microsoft Azure services.

- Leverage Azure Site Recovery to set up replication, failover, and failback in a lab environment.

- Learn how to regularly test and improve disaster recovery plans to ensure they meet evolving business needs.

- Learn how to implement a disaster recovery plan that aligns with Microsoft's best practices and ensures business continuity.

AGENDA

Session 1: Introduction to Disaster Recovery and RTO/RPO

- **Duration:** Up to 8 Hours
- **Objective:** Introduce fundamental DR concepts, focusing on RTO (Recovery Time Objective) and RPO (Recovery Point Objective).
- **Content:**
  - Overview of disaster recovery and business continuity.
  - Importance of RTO/RPO for DR strategies.
  - Azure DR services (e.g., Azure Site Recovery, Backup).
  - Identifying critical workloads.
- **Activities:**
  - **Discussion:** Defining RTO/RPO values.
  - **Hands-on lab:** Analyze a sample Azure environment to determine RTO/RPO.
  - **Interactive session:** Map business priorities to DR strategies.

Session 2: Designing, Implementing, and Testing a DR Plan

- **Duration:** Up to 8 Hours
- **Objective:** Guide participants in designing, implementing, and testing an Azure DR plan.
- **Content:**
  - Designing a DR architecture, workload placement and recovery plans.
  - Setting up Azure Site Recovery.
  - Best practices for DR based on Microsoft's Cloud Adoption Framework.
  - Testing and improving DR plans.
- **Activities:**
  - **Hands-on lab:** Set up Azure Site Recovery.
  - **Workshop:** Design a sample DR plan.
  - **Demonstration:** Perform a DR test on a sample environment.

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