



MICROSOFT TRAINING

# Azure Disaster Recovery

*Master Azure disaster recovery solutions to ensure business continuity. Learn to implement robust strategies to safeguard your critical data and infrastructure.*

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DURATION

**16 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

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- Globally Recognized Certification
  - Expert-Led Hands-On Training
  - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | [www.computer-pride.co.ke](http://www.computer-pride.co.ke)

## COURSE OVERVIEW

This intermediate-level Microsoft Azure Disaster Recovery course provides IT professionals with the essential knowledge and practical skills to design, implement, and manage robust business continuity and disaster recovery (BCDR) solutions using Azure services. Over 16 intensive hours, you will delve into core technologies such as Azure Site Recovery (ASR) for orchestrating replication, failover, and failback of virtual machines, and Azure Backup for comprehensive data protection across various Azure and on-premises workloads. The course emphasizes strategic planning, hands-on implementation, and operational best practices to ensure minimal downtime and rapid recovery in the face of outages.

By completing this program, participants will gain a deep understanding of RTO/RPO objectives, different DR strategies, and how to configure and monitor highly available and resilient cloud infrastructures. The benefits extend beyond technical proficiency, enabling you to safeguard critical business operations, meet compliance requirements, and build a reputation as a specialist in cloud resilience. This expertise is crucial for organizations looking to mitigate risks and maintain uninterrupted service delivery in today's dynamic IT landscape.

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|-----------------|--------------|
| <b>Duration</b> | 16 hours     |
| <b>Level</b>    | Intermediate |
| <b>Vendor</b>   | Microsoft    |

## COURSE CURRICULUM

### 01 Module 1: Introduction to Azure Business Continuity and Disaster Recovery (BCDR)

- Understanding BCDR Concepts: RTO, RPO, HA vs. DR
- Overview of Azure BCDR Services and Capabilities
- Planning a Disaster Recovery Strategy for Azure Workloads
- Azure Regions, Availability Zones, and Paired Regions for DR

### 02 Module 2: Implementing Azure Site Recovery (ASR)

- Azure Site Recovery Architecture and Components
- Replicating On-Premises VMware and Hyper-V VMs to Azure
- Replicating Azure Virtual Machines Between Azure Regions
- Configuring Replication Policies and Network Settings for ASR

### 03 Module 3: Managing Disaster Recovery with ASR Recovery Plans

- Creating and Customizing Azure Site Recovery Plans
- Performing Disaster Recovery Drills and Test Failovers
- Executing Planned and Unplanned Failovers
- Implementing Failback Procedures from Azure to On-Premises
- Monitoring, Troubleshooting, and Optimizing ASR Operations

### 04 Module 4: Azure Backup for Data Protection and Recovery

- Azure Backup Service Overview and Architecture
- Backing Up Azure Virtual Machines and Disks
- Configuring Backup for On-Premises Servers and Workloads (MARS Agent, MABS)
- Managing Backup Policies, Retention, and Vault Credentials
- Performing Data Restore Operations and Monitoring Backup Status

### Module 5: Advanced DR Scenarios and Best Practices

- 05**
- Disaster Recovery for Azure SQL Database and SQL Managed Instance
  - Storage Account Redundancy Options and DR Considerations
  - Network Design for Disaster Recovery (VPNs, ExpressRoute, DNS)
  - Cost Optimization Strategies for Azure DR Solutions
  - Security and Compliance Considerations for BCDR in Azure

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Solutions Architect specializing in Resilience and BCDR**
- > **Cloud Infrastructure Engineer focused on Disaster Recovery Planning and Implementation**
- > **IT Operations Manager leading Cloud Business Continuity Initiatives**

## FREQUENTLY ASKED QUESTIONS

**Q: What are the recommended prerequisites for effectively undertaking this Azure Disaster Recovery course?**

To get the most out of this course, participants should have a foundational understanding of Azure administration, including experience with Azure Virtual Machines, networking (VNETs, subnets, NSGs), and storage accounts. Basic knowledge of on-premises virtualization technologies (VMware or Hyper-V) is also beneficial, as the course covers hybrid disaster recovery scenarios.

**Q: Beyond theoretical knowledge, what practical, hands-on skills will I acquire that are directly applicable to real-world Azure DR scenarios?**

You will gain practical skills in deploying and configuring Azure Site Recovery for various workloads, creating and testing recovery plans, performing controlled failovers and failbacks, and implementing Azure Backup for robust data protection. You'll learn to troubleshoot common DR issues, optimize recovery processes, and design cost-effective, resilient cloud architectures that directly address business continuity requirements.

**Q: How does mastering Azure Disaster Recovery impact my career growth, especially for roles like Cloud Architect or Infrastructure Engineer?**

Mastering Azure Disaster Recovery significantly enhances your value as a Cloud Architect or Infrastructure Engineer by empowering you to design, implement, and manage highly resilient and fault-tolerant cloud environments. This specialized skill set is in high demand, as organizations prioritize business continuity. It positions you as a critical resource capable of safeguarding vital business operations, reducing downtime risks, and ensuring compliance, thereby opening doors to leadership roles in cloud infrastructure and security.

## ABOUT COMPUTER PRIDE

*East Africa's Premier IT Training Center*



With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

**15+**

Years of Excellence

**10,000+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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