

Microsoft Azure: Site Recovery Services



WorkshopPLUS

Target Audience:

To help us ensure the high quality knowledge transfer students expect from this 3-day workshop, class size is limited to a maximum of 16 students who meet the following criteria:

- Attendees should have a basic understanding of Azure and virtualization technologies*
- Familiarity with core Operating System functionality and management (including Firewall policies and software distribution concepts)*
- Basic understanding of Disaster Recovery and Business Continuity terminology (such as RTO and RPO)*

Overview

Microsoft Azure is an internet-scale, high-availability cloud fabric operating on globally-distributed Microsoft data-centers. It and related tools support development and deployment of services into a hosted environment that extends the on-premises data center.

This 3 day workshop provides IT professionals with the knowledge and experience needed to make the initial architectural, design and deployment decisions about their use of Microsoft Azure Site Recovery (ASR). Students will learn about set-up and configuration, creating protected clouds, enabling protected virtual machine workloads, failover scenario's and more.

Key Features and Benefits

The course provides classroom presentation, class exercises and hands-on lab materials, which ensure that you quickly acquire knowledge and skills needed to design and plan infrastructure solutions with ASR. A number of technology-focused demos, as well as sample automations, augment the materials

Technical Highlights

After completing this course, you will be able to:

- Relate the features of ASR to your business continuity and disaster recovery (BCDR) solution
- Plan Disaster Recovery solutions based on the ASR Infrastructure
- Leverage ASR for Migration of On Premise workloads to Azure.

Syllabus

Hardware Requirements:

This workshop use Azure subscriptions for labs and require high speed Internet connection for all student workstations

This workshop runs 3 full days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

Module 1: Introduction to Windows Azure Backup: This module provides high level overview of Microsoft's cloud integrated backup solution that enables customers to back up their data present either on-premises or in Azure.

Module 2: ASR Technical Overview : This module introduces the concept of Business Continuity and Disaster Recovery (BCDR) and provides introduction to the Site Recovery Deployment Scenarios (Protection Groups, Recovery Plans, etc.)

Module 3: ASR – Hyper-V Scenarios : This module discusses, demonstrates and provide hands on labs on deploying Site Recovery to replicate virtual machines located on on-premises Hyper-V servers running Windows Server 2012 R2 and Virtual Machine Manager Clouds.

Module 4: ASR – VMware Scenarios: This module discusses, demonstrate and provide hands on labs on how to coordinate replication, failover, and recovery of on-premises VMware virtual machines and physical servers to Azure

Module 5: ASR - Troubleshooting: This module provides steps to enables you to learn how to track the replication health and troubleshooting techniques for Azure Site Recovery.

Module 6: Disaster Recover as a Service: In this module we discuss common workloads such as SharePoint, SQL, etc and how to integrate these into a one click disaster recovery solution.