

MOC 40513G: Microsoft Cloud Workshop: Building a Resilient IaaS Architecture

Course Summary

Description

In this workshop, you will look at how an existing IaaS deployment can be redesigned and updated to account for resiliency and in general high availability. Throughout the whiteboard design session and hands-on lab you will look at the various configuration options and services to help build resilient architectures.

Objectives

By the end of this course, participants will be able to use availability sets, Managed Disks, SQL Server Always on Availability Groups, as well as design principles when provisioning storage to VMs. In addition, you'll learn effective employment of Azure Backup to provide point-in-time recovery.

Topics

- Whiteboard Session - Building a Resilient IaaS Architecture
- Hands-on Lab - Building a Resilient IaaS Architecture

Audience

This workshop is intended for Cloud Architects and IT professionals who have architectural expertise of infrastructure and solutions design in cloud technologies and want to learn more about Azure and Azure services as described in the 'About this Course' and 'At Course Completion' areas. Those attending this workshop should also be experienced in other non-Microsoft cloud technologies, meet the course prerequisites, and want to cross-train on Azure.

Duration

One Day

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Course Outline

- I. *Whiteboard Session - Building a Resilient IaaS Architecture*
 - A. Review the customer case study
 - B. Call to action: Design a proof of concept solution
 - C. Call to action: Present the solution

- II. *Hands-on Lab - Building a Resilient IaaS Architecture*
 - A. Prepare connectivity between regions
 - B. Build the DCs in for resiliency
 - C. Build web tier and SQL for resiliency
 - D. Configure SQL Server Managed Backup
 - E. Validate resiliency