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## **Course 40513-G: Microsoft Cloud Workshop: Building a Resilient IaaS Architecture**

## COURSE OVERVIEW



### Course Modality

Classroom  
+ hands-on labs



### Course Time

1 day



### Course Level

Advanced



### Course Language

English

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.

### Prerequisites:

- ✓ Workshop content presumes 300-level of architectural expertise of infrastructure and solutions design. We suggest students take this prerequisite prior to attending this workshop.

### Intended 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.

### Skill Covered:

- ✓ At the end of this workshop, you will be better able to design and 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.

## COURSE CURRICULUM

### Module 1:

#### Whiteboard Session - Building a Resilient IaaS Architecture

##### Lessons

- ✓ Review the customer case study
- ✓ Call to action: Design a proof of concept solution
- ✓ Call to action: Present the solution

### Module 2:

#### Hands-on Lab - Building a Resilient IaaS Architecture

##### Lessons

- ✓ Prepare connectivity between regions
- ✓ Build the DCs in for resiliency
- ✓ Build web tier and SQL for resiliency
- ✓ Configure SQL Server Managed Backup
- ✓ Validate resiliency