**Course Summary**

**Description**

In this workshop, you will work with a media publishing company to design a hybrid cloud disaster recovery solution. You will design the solution to handle large spikes in load and harden the security to include encryption of Payment Card Industry (PCI) data. Additionally, you will implement an archival strategy to keep databases sizes in check.

**Objectives**

At the end of this course, students will be able to design a hybrid disaster recovery solution between an on-premises VMWare environment and Azure. In addition, you will design a SQL Server scale-out solution, protect database backups from local failures, archive cold data from an on-premises SQL Server, and perform end-to-end encryption on sensitive application data.

**Topics**

- Whiteboard Design Session - SQL Server hybrid cloud

**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 Half Day
MOC 40510G: Microsoft Cloud Workshop: SQL Server Hybrid Cloud

Course Outline

I. **Whiteboard Design Session - SQL Server hybrid cloud**
   A. Review the customer case study  
   B. Design a proof of concept solution 
   C. Present the solution