ProTech Professional Technical Services, Inc.

MOC 40512G: Microsoft Cloud Workshop: App Modernization

Course Summary

Description

In this workshop, you will gain a better understanding on the steps involved in modernizing legacy on-premises applications and infrastructure by leveraging cloud services, while adding a mix of web and mobile services, all secured using Azure Active Directory.

Objectives

By the end of this course, students will be able to design a modernization plan for organizations looking to move services from on-premises to the cloud.

Topics

- Hands-on Lab - App modernization
- Whiteboard Design Session - App modernization

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.

Prerequisite

Workshop content presumes 300-level of architectural expertise of infrastructure and solutions design.

Duration

One Day

Course Outline

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I. *Whiteboard Design Session - App modernization*
   A. Review the customer case study
   B. Design a proof of concept solution
   C. Present the solution

II. *Hands-on Lab - App modernization*
   A. Migrate the database to Azure SQL Database
   B. Provision App Services
   C. Identity and security
   D. Upload PDFs to blob storage
   E. Create serverless API for accessing PDFs
   F. Create an Azure Search service
   G. Configure Key Vault
   H. Configure and deploy the Contoso Insurance Web API
   I. Configure and deploy the Contoso Insurance web app
   J. Configure and run the legacy desktop (Windows Forms) application
   K. Configure and run the mobile application
   L. Create a Flow app to send push notifications
   M. Create an app in PowerApps