

## MOC 40506G: Microsoft Cloud Workshop: Lift and Shift/Azure Resource Manager

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### Course Summary

#### Description

In this workshop, you will help a global publisher architect a solution to migrate two on-premises applications into Azure. Because of the desire to not change the existing applications, this will involve moving the application and its dependencies onto Azure IaaS VMs, using other Azure services where appropriate. There are many questions and concerns the customer has, and they will look to the student to answer these and provide the end-state design and the high-level steps to get there with minimal end-user impact and risk

#### Objectives

At the end of this course, students will be able to migrate and enable easy deployment for lift-and-shift capabilities. In addition, you will learn to build and deploy complex infrastructure solutions with Azure Resource Manager templates, work with Azure Automation Desired State Configuration (DSC) for deploying server configurations, as well as scale existing templated deployments leveraging VM Scale Sets.

#### Topics

- Whiteboard Design Session - Lift and shift
- Hands-on Lab - Azure Resource Manager

#### 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 Design Session - Lift and shift*
  - A. Review the customer case study
  - B. Design a proof of concept solution
  - C. Present the solution
  
- II. *Hands-on Lab - Azure Resource Manager*
  - A. Configure Automation account
  - B. Define the network foundation
  - C. Extend with Compute
  - D. Lock down the environment