

MOC 40511G: Microsoft Cloud Workshop: Continuous Delivery in Azure DevOps

Course Summary

Description

In this workshop, you will learn how to setup and configure continuous delivery within Azure using a combination of Azure Resource Manager templates and Visual Studio Team Services (VSTS). You will do this throughout the use of a new VSTS project, Git repository for source control, and an Azure Resource Manager template for Azure resource deployment and configuration management.

Objectives

At the end of this course, students will be able to build templates to automate cloud infrastructure and reduce error-prone manual processes. In addition, you will create an Azure Resource Manager (ARM) template to provision Azure resources, configure continuous delivery with Visual Studio Team Services (VSTS), configure Application Insights into an application, and create a Visual Studio Team Services project and Git repository.

Topics

- Whiteboard Design Session - Continuous delivery with VSTS and Azure
- Hands-on Lab - Continuous delivery with VSTS and Azure

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. We suggest students take this prerequisite prior to attending this workshop. Microsoft Azure Essentials course.

Duration

One Day

MOC 40511G: Microsoft Cloud Workshop: Continuous Delivery in Azure DevOps

Course Outline

- I. *Whiteboard Design Session - Continuous delivery with VSTS and Azure*
 - A. Review the customer case study
 - B. Design a proof of concept solution
 - C. Present the solution

- II. *Hands-on Lab - Continuous delivery with VSTS and Azure*
 - A. Create an Azure Resource Manager (ARM) template that can provision the web application, SQL database
 - B. Create a Visual Studio Team Services team project and Git Repository
 - C. Create Visual Studio Team Services build definition
 - D. Create Visual Studio Team Services release pipeline
 - E. Trigger a build and release
 - F. Create a feature branch and submit a pull request