



Course 40511-G: Microsoft Cloud Workshop: Continuous delivery in Azure DevOps

COURSE OVERVIEW



Course Modality

Classroom
+ hands-on labs



Course Time

1 day



Course Level

Advanced



Course Language

English

In this whiteboard design session, you will learn how to design a solution with a combination of Azure Resource Manager templates and Azure DevOps to enable continuous delivery with several Azure PaaS services.

At the end of this workshop, you will be better able to build templates to automate cloud infrastructure and reduce error-prone manual processes. In addition, you'll create an Azure Resource Manager (ARM) template to provision Azure resources, configure continuous delivery with Azure DevOps, configure Application Insights into an application, and create an Azure DevOps project and Git repository.

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 able to build templates to automate cloud infrastructure and reduce error-prone manual processes. In addition, you'll 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.

COURSE CURRICULUM

Module 1:

Whiteboard Design Session - Continuous delivery in Azure DevOps

Lessons

- ✓ Review the customer case study
- ✓ Design a proof of concept solution
- ✓ Present the solution

Module 2:

Hands-on Lab - Continuous delivery in Azure DevOps

Lessons

- ✓ Create an Azure Resource Manager (ARM) template that can provision the web application, SQL database
- ✓ Create Azure DevOps project and Git Repository
- ✓ Create Azure DevOps build pipeline
- ✓ Create Azure DevOps release pipeline
- ✓ Trigger a build and release
- ✓ Create a feature branch and submit a pull request