

MOC 40529 G: Microsoft Cloud Workshop: High Performance Computing

Course Summary

Description

In this workshop, you will setup and configure a scale-out media processing architecture using Azure Batch. You'll discover how to use big compute (scale out compute, embarrassingly parallel processing) techniques without having to write a lot of code, and learn how these tasks can be accomplished declaratively.

Topics

- Whiteboard Design Session - Big Compute
- Hands-on Lab - Big Compute

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 - Big Compute*
 - A. Review the customer case study
 - B. Design a proof of concept solution
 - C. Present the solution

- II. *Hands-on Lab - Big Compute*
 - A. Provision the Batch environment
 - B. Create Batch CLI templates and files
 - C. Running a Batch job
 - D. Scale a pool
 - E. 3D Rendering with the Batch Rendering Service