

MOC 40514G: Microsoft Cloud Workshop: Data Platform Upgrade and Migration

Course Summary

Description

In this workshop, you will gain a better understanding of how to conduct a site analysis for a customer to compare cost, performance, and level of effort required to migrate from Oracle to SQL Server. You will evaluate the dependent applications and reports that will need to be updated and come up with a migration plan. In addition, you will design and build a proof of concept (POC) and help the customer take advantage of new SQL Server features to improve performance and resiliency, as well as explore ways to migrate from an old version of SQL Server, to the latest version and consider the impact of migrating from on-premises to the cloud.

Objective

At the end of this workshop, you will be better able to conduct a site analysis for compare cost, performance, and level of effort required to migrate from Oracle to SQL Server.

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.

Topics

- Whiteboard Design Session - Data platform upgrade and migration
- Hands-on Lab - Data platform upgrade and migration

Prerequisite

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 - Data platform upgrade and migration*
 - A. Review the customer case study
 - B. Design a proof of concept solution
 - C. Present the solution

- II. *Hands-on Lab - Data platform upgrade and migration*
 - A. Deploy SQL Server instances
 - B. Migrate SQL Server to Azure SQL Database using DMS
 - C. Post upgrade enhancement
 - D. Setup Oracle 11g Express Edition
 - E. Migrate the Oracle database to SQL Server 2017
 - F. Migrate the Application