

SQL Modernization and Migration

Introduction

SQL Server has come a long way! From OLTP to OLAP, on-premises to cloud, big data clusters to hyperscale -- SQL Server has evolved in many ways. With that evolution comes complexity as organizations seek to take advantage of new features and cloud efficiency. This hack puts you (and your team) in the role of a SI (Systems Integrator), working with many clients to modernize their environments and applications.

Duration

3 days

Learning Objectives

In this hack, database administrators, developers who work extensively with SQL Server, and architects will migrate solutions to Azure. Several different scenarios are presented that are based on real-world scenarios, and in most cases, there are multiple ways to solve the problem given the requirements of each challenge. This hack also prepares participants for the DP-300 exam.

Challenges

- Challenge 0: Setup
- Challenge 1: Migration
- Challenge 2: Advanced Migration at Scale
- Challenge 3: Performance & Tuning
- Challenge 4: Security & Auditing
- Challenge 5: High Availability & Disaster Recovery
- Challenge 6: Data Governance

Technologies

- Azure SQL Database / Managed Instance
- Azure Database Migration service

- Azure Data Studio
- Azure Purview

Learning Path Content

- [SQL Migration To Azure Learning Plan](#)
- [Azure Synapse Analytics Learning Plan](#)