

# COURSE OUTLINE

## DP-05T00: Migrate SQL workloads to Azure

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
2 Day(s)	Intermediate	Data Professional	In Class	N/A

### Course Overview

In this course, the students will explore the objectives of data platform modernization and how it is suitable for given business requirements. They will also explore each stage of the data platform modernization process and define what tasks are involved at each stage, such as the assessment and planning phase. Students will also learn the available migration tools and how they are suitable for each stage of the data migration process. The student will learn how to migrate to the three target platforms for SQL based workloads; Azure Virtual Machines, Azure SQL Databases and Azure SQL Database Managed Instances. The student will learn the benefits and limitations of each target platform and how they can be used to fulfil both business and technical requirements for modern SQL workloads. The student will explore the changes that may need to be made to existing SQL based applications, so that they can make best use of modern data platforms in Azure.

### Prerequisites

In addition to their professional experience in SQL Server, students who take this training should have technical knowledge equivalent to the following courses:

- [Azure fundamentals](#)

### Audience

The audience for this course is data professionals and data architects who want to learn about migrating data platform technologies that exist on Microsoft Azure and how existing SQL based workloads can be migrated and modernized. The secondary audience for this course is individuals who manage data platforms or develop applications that deliver content from the existing data platform technologies.

### At Course Completion

After completing this course, students will be able to:

- Understand Data Platform Modernization
- Choose the right tools for Data Migration
- Migrate SQL Workloads to Azure Virtual Machines
- Migrate SQL Workloads to Azure SQL Databases
- Migrate SQL Workloads to Azure SQL Database Managed Instance

## Topics

### Module 1: Introduction

Contains an overview of the SAP and Microsoft partnership.

### Module 2: Foundations of SAP on Azure

Contains brief lessons on Azure compute, Azure storage, Azure networking, SAP HANA for Azure (Large Instances), identity services, governance and manageability, backup and data protection services, and migration services.

### Module 3: SAP Certified Offerings on Azure

Contains lessons on general prerequisites (SAP support in public cloud environments), deployment options of Azure for SAP workloads, SAP product-specific support for Azure, operating System support of Azure for SAP workloads, storage support of Azure for SAP workloads, networking support for SAP, database support for SAP, high availability and disaster recovery support for SAP, and monitoring requirements for SAP.

### Module 4: SAP on Azure Reference Architecture

Contains lessons on SAP NetWeaver with AnyDB, SAP S4 HANA, and SAP HANA on Azure (Large Instances) on Azure VMs.

### Module 5: Planning for Implementing SAP Solutions on Azure

Contains lessons on Azure VM compute, network, and storage considerations. As well as Azure VM high availability and disaster recovery, Azure VM backup considerations, Azure VM monitoring considerations, Azure VM security considerations, and Azure VM authentication and access control considerations.

### Module 6: Planning for Migrating SAP Workloads to Azure

Contains lessons on strategies for migrating SAP systems to Microsoft Azure and SAP a workload planning and deployment checklist.

### Module 7: Implementing Azure VM-based SAP Solutions

Contains lessons on Azure VM deployment methodologies, single-instance implementations (2-tier or

3-tier), implementing HA SAP NetWeaver with AnyDB on Azure VMs, implementing HA SAP HANA on Azure VMs, configure the Azure Enhanced Monitoring Extension for SAP, and implementing AD and Azure AD-based authentication. Module 8: Module 8-Deploying HANA Large Instances (HLI) Contains a lesson on implementing HANA Large Instances (HLI). Module 9: Migrating SAP Workloads to Azure Contains lessons on migration options, DMO methodologies, cloud migration options, and Very Large Database Migration to Azure.