



## COURSE: Introduction to Azure Cloud Data Platform

Azure IaaS and PaaS provides robust relational database platform services for developing, deploying, and managing the data tier in a wide range of cloud-based applications. This class will introduce you to the relational data platform service and how to take that journey to the cloud one step at a time. Learn the features and capabilities of

Microsoft cloud data platform solutions. Get a platform overview, and hear about security features, options for high availability, techniques for monitoring and managing cloud data, and more. Plus, get guidance on how to identify trade-offs and make decisions for designing public and hybrid cloud solutions using Microsoft Azure Cloud data platform services. The class will teach you how to move from an on-premises to the cloud at your own pace. You will understand the database as a service concept and get information about the latest investments in the Azure SQL Database service area, in the areas of service tiers, performance, scale out, business continuity, security.

### Summary

<i>Duration:</i>	<i>3 days/24 hours</i>
<i>Level:</i>	<i>200*</i>
<i>Delivery method:</i>	<i>In class</i>
<i>Language:</i>	<i>English/Bulgarian</i>

\* The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp

### AUDIENCE:

- Database Developers new to Cloud Platform
- Cloud solution developers who develop data tier in the cloud
- Database administrators, who are responsible for planning, creating and managing SQL Server solutions and consider Azure Cloud as their option
- Architects who need to get a solid overview of Azure Cloud Data Platform

### AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Understand the database as a service concept, IaaS and PaaS
- Know the scope of cloud data platform services
- Know SQL database options in Azure, including SQL Server in an Azure VM, and Azure SQL Database
- Work with Azure SQL Database, Managed Instance, Elastic Pools and have a good understanding what the Azure DW is
- Use proper way to protect data in the cloud
- Monitor and manage a database in the cloud
- Understand the Service Tier Advisor and resource manager
- Understand different scenarios for using Azure for high availability solutions

### TOPICS:

**Module 1.** Microsoft Cloud Data Platform Overview

**Module 2.** SQL Server Azure VM

**Module 3.** Working with Azure SQL Database

**Module 4.** Migrating SQL Server Databases to Azure

**Module 5.** Data Security in SQL Cloud Solutions

**Module 6.** High Availability and Disaster Recovery Scenarios in Azure

**Module 7.** Scalability in the Cloud – Elastic Database Capabilities of Azure SQL DB

**Module 8.** Introduction to Azure SQL DW

**Module 9.** Monitoring and Managing Relational Cloud Data Solutions