



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

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

* 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