

# Netec Digital

Certificaciones Profesionales en TI

## Temario

# **CURSO** **OD10998A** **Updating Your** **Skills to SQL** **Server 2017**



**Microsoft** Partner  
Gold Learning

## **Module 1: Introduction to SQL Server 2017.**

Module Goal: Describe key capabilities and components of SQL Server 2017.

- Overview of SQL Server 2017.
- Functionality across versions.

## **Module 2: What's new in SQL Server Performance, Scalability, and Availability.**

This module introduces the performance enhancements provided by Adaptive Query Processing and Automatic Tuning, as well as the scalability and availability enhancements provided by new Availability Group architectures, including Read-Scale Availability Groups and Availability Groups with SQL Server on Linux.

- Adaptive query processing.
- Automatic tuning.
- Availability Scalability.
- Labs: Performance and availability – adaptive query processing.
  - Interleaved execution.
  - Batch mode memory grant feedback.
  - Batch mode adaptive joins.

## **Module 3: What's New in SQL Server data Access.**

SQL Server 2017 introduces SQL Graph which enables you to define the relationships between your data items in a table rather than calculating them during a query, reducing the query cost and simplifying your data structure.

- SQL Graph.
- Labs: SQL Graph.
  - Create a Graph database.
  - Query a Graph database.

## **Module 4: What's new in SQL Server Reporting and BI.**

This module describes what's new in SQL Server reporting and BI.

- Power BI report Server.
- Reporting Services update.
- Labs: Reporting and BI.
  - Deploy Power BI report server.
  - Add commenting to a report.

## **Module 5: New and Enhanced Features in SQL Server Analysis Services.**

This module introduces new and enhanced features in SQL Server Analysis Services, with particular emphasis on the tabular data model.

- Tabular model updates.
- Labs: Ragged hierarchies.
  - View existing reports.
  - Hide blank members.

## **Module 6: New and Enhanced data Analytics Features.**

This module introduces new and enhanced data analytics features.

- New and enhanced data analytics features.
- Labs: Data analytics with Python.
  - Enable external script execution.
  - Run Python scripts.

## **Module 7: What's new in SQL Server in the Cloud.**

Organizations want the best value from a mixture of cloud services and their existing investment in on-premises hardware and software. This module covers a comparison between the features of Microsoft Azure SQL Database and Microsoft SQL Server 2017, as well as new features that make it easier for you to migrate databases from on-premises SQL Server instances to Azure SQL Database.

- Azure SQL database features.
- Managed Instances.
- Lab: Managed instances.

## **Module 8: SQL Server on Linux.**

This module covers the features of SQL Server on Linux, as well as the process for deploying SQL Server on Linux and using Docker.

- SQL Server on Linux.
- Deploying SQL Server on Linux.
- Labs: SQL Server in Docker containers.
  - Deploy a SQL Server Docker image.
  - Run a SQL Server instance inside a Docker container.



Para más información, contáctenos al correo:  
**informes@netecdigital.com**

**www.netecdigital.com**