

MSQ4-1 - MOC 10986 - UPDATING YOUR SKILLS TO SQL SERVER 2016

Categoria: **SQL Server 2017 e 2016**

INFORMAZIONI SUL CORSO



Durata:
3 Giorni



Categoria:
SQL Server 2017 e
2016



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

Descrivere le funzionalità chiave e i componenti di SQL Server 2016
Descrivere le funzionalità nuove e le migliorate, in termini di prestazioni, di SQL Server
Descrivere le funzioni nuove e migliorate nella protezione di SQL Server
Descrivere le novità in SQL Server Disponibilità e scalabilità
Descrivere le funzionalità nuove e migliorate nel reporting e PowerBI in SQL Server 2016
Descrivere le nuove e migliorate funzionalità di accesso ai dati
Descrivere le funzionalità nuove e migliorate in SQL Server OLAP
Descrivere le nuove funzionalità di cloud SQL Server

PREREQUISITI

Esperienza nell'implementazione di soluzioni di business intelligence (BI), costruzione e gestione di database e data warehouse con SQL Server 2014.
Familiarità con il sistema operativo R2 di Windows Server 2012 e il networking.

CONTENUTI

Module 1: Introduction to SQL Server 2016

Overview of SQL Server 2016
SQL Server 2016 Editions and Components
Installing SQL Server 2016
SQL Server Management Studio Enhancements

Lab : Installing SQL Server 2016

After completing this module, you will be able to:
Describe the key elements of SQL Server 2016
Describe the components and editions of SQL Server 2016
Install SQL Server 2016
Describe the enhancement to SQL Server Management Studio

Module 2: What's New in SQL Server Performance

Columnstore Indexes for Operational Analytics
In-memory OLTP Enhancements
The Query Data Store
Native JSON

Temporal Tables

Lab : Implementing SQL Server 2016 Performance Improvements

After completing this module, you will be able to:

Describe the use of Columnstore indexes for operational analytics

Describe the enhancements to in-memory OLTP

Use the query data store

Use Native JSON

Describe and use temporal tables

Module 3: What's New in SQL Server Security?

Using Always Encrypted

Row-level Security

Dynamic Data Masking

Lab : Implementing SQL Server 2016 Security Improvements

After completing this module, you will be able to:

Implement a logical design for a data warehouse

Implement a physical design for a data warehouse

Module 4: What's New in SQL Server Availability and Scalability?

Enhanced AlwaysOn Availability Groups

What's New in Database Caching?

Using Windows Server 2016

Lab : Availability and Scalability with SQL Server 2016

After completing this module, you will be able to:

Describe the enhancements to AlwaysOn availability groups

Describe what's new in database caching

Use Windows Server 2016 with SQL Server 2016

Module 5: What's New in SQL Server Reporting and BI

Reporting Services Enhancements

PowerBI Enhancements

Lab : Implementing PowerBI

After completing this module, you will be able to:

Describe the enhancements to reporting services

Describe the enhancements to PowerBI

Module 6: What's New in SQL Server Data Access?

PolyBase

Enhancements to Integration Services

Lab : Using PolyBase

After completing this module, you will be able to:

Describe and install PolyBase

Describe enhancements to SSIS

Module 7: New and Enhanced Features in SQL Server OLAP

New and Enhanced Features in SQL Server OLAP

What's New in SQL Server Analysis Services

Lab : OLAP with SQL Server

After completing this module, you will be able to:

Describe new and enhanced features in SQL Server OLAP

Describe new and enhanced features in SQL Server analysis services

Module 8: What's New for SQL Server in the Cloud?

Stretch Database

Enhanced Backups to Azure

Introduction to SQL Server 2016 Hybrid Cloud

What's New in SQL Server Azure Database

Lab : Using SQL Server in a Hybrid Cloud

After completing this module, you will be able to:

Describe stretch databases and why you would use them

Understand the enhanced backup options

Be aware of SQL Server hybrid cloud

Describe what's new in SQL Server Azure database

INFO

Materiale didattico: Materiale didattico e relativo prezzo da concordare

Costo materiale didattico: NON incluso nel prezzo del corso

Natura del corso: Operativo (previsti lab su PC)