

MSQ4-7 - MOC 20765 - PROVISIONING SQL DATABASES

Categoria: **SQL Server 2017 e 2016**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
SQL Server 2017 e
2016



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

Effettuare il provisioning di un database server
Aggiornare SQL Server
Configurare SQL Server
Gestire database e file (in comune)

PREREQUISITI

Conoscenza di base del sistema operativo Microsoft Windows e delle sue funzionalità di base.
Conoscenza di Transact-SQL.
Conoscenza di database relazionali.
Una certa esperienza con la progettazione di database.

CONTENUTI

Module 1: SQL Server 2016 Components

Introduction to the SQL Server Platform
Overview of SQL Server Architecture
SQL Server Services and Configuration Options

Lab : SQL Server Versions (Discussion session)

After completing this module, you will be able to:
Describe the SQL Server platform and architecture
Describe the SQL Server services and configuration..

Module 2: Installing SQL Server 2016

Considerations for installing SQL Server
TempDB Files
Installing SQL Server 2016
Automating Installation

Lab : Installing SQL Server

After completing this module, you will be able to:
Describe the considerations when installing SQL Server 2016

Be able to install SQL Server
Be able to automate the installation

Module 3: Upgrading SQL Server to SQL Server 2016

Upgrade Requirements
Upgrade SQL Server Services
Migrating SQL Server Data and Applications

Lab : Upgrading SQL Server

After completing this module, you will be able to:
Describe the requirements for upgrading to SQL Server 2016
Describe how to upgrade SQL Server services
Be able to migrate SQL Server Data and Applications

Module 4: Deploying SQL Server on Microsoft Azure

SQL Server Virtual Machines in Azure
Deploying an Azure SQL Database
Migrating an On-Premise Database to an Azure SQL Database

Lab : Migrating SQL Server with Azure

After completing this module, you will be able to:
Describe how SQL Server Virtual Machines work in Azure
Describe how to deploy and Azure SQL database
Describe how to migrate and on-premise database to Azure

Module 5: Working with Databases

Overview of SQL Server Databases
Creating Databases
Database Files and Filegroups
Moving Database Files
Buffer Pool Extension

Lab : Managing Database Storage

After completing this module, you will be able to:
Be able to create SQL Server databases
Describe database files and filegroups
Be able to move database files
Describe the buffer pool extension

Module 6: Database Storage Options

SQL Server storage Performance
SMB Fileshare
SQL Server Storage in Azure
Stretch Databases

Lab : Implementing Stretch Database

After completing this module, you will be able to:
Explain the elements impacting storage performance
Describe SMB fileshare
Describe SQL Server storage in Azure
Describe Stretch Databases

Module 7: Performing Database Maintenance

Ensuring Database Integrity
Maintaining Indexes
Automating Routine Database Maintenance

Lab : Performing Ongoing Database Maintenance

After completing this module, you will be able to:
Describe how to ensure database integrity
Be able to maintain indexes
Be able to automate routine database maintenance

INFO

Materiale didattico: Materiale didattico in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)