

MSQ3-10 - MOC 20465 - DESIGNING A DATA SOLUTION WITH MICROSOFT SQL SERVER

Categoria: **SQL Server 2014 e 2012**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
SQL Server 2014 e
2012



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

- Valutare un ambiente aziendale esistente.
- Pianificare e attuare gestione basata su criteri.
- Descrivere le considerazioni per il consolidamento dei carichi di lavoro con SQL Server 2014.
- Descrivere le considerazioni per l'inclusione di SQL Server 2014 in un cloud privato.
- Utilizzare archiviazione Windows Azure con SQL Server 2014.
- Implementare e configurare database in SQL Azure.
- Implementare e configurare database nelle macchine virtuali Windows Azure.
- Descrivere le tecnologie ad alta disponibilità in SQL Server 2014 e attuare il log shipping.
- Descrivere Windows Server Failover Clustering e implementare un'istanza del cluster di failover AlwaysOn.
- Implementare un gruppo di disponibilità Always On.
- Pianificare elevata disponibilità e soluzioni di disaster recovery.
- Pianificare e implementare la replica del database.

PREREQUISITI

Questo corso richiede che siano soddisfatti i seguenti requisiti:Almeno 2 anni di esperienza di lavoro con i database relazionali, tra cui:Pianificazione e implementazione dei databaseGestione dei databaseInterrogazione con Transact-SQLAlcune conoscenze di base di alta disponibilità e disaster recoveryAlcune conoscenze di base delle tecnologie di Windows Azure e concetti intorno cloud computing

CONTENUTI

Module 1: Introduction to Enterprise Data Architecture

Considerations for Enterprise Data
Assessing an Existing Infrastructure

Lab : Assessing an Existing Enterprise Data Infrastructure

Using the MAP Toolkit
Reviewing MAP Toolkit Reports

Module 2: Multi-Server Configuration Management

Policy-Based Management

Microsoft System Center

Lab : Planning and Implementing Policy-Based Management

Planning a Policy-Based Management Strategy

Implementing Policy-Based Management

Testing Policy Compliance

Module 3: Consolidating Database Workloads with SQL Server 2014

Considerations for Database Server Consolidation

Managing Resources in a Consolidated Database Infrastructure

Lab : SQL Server Consolidation

Preparing for Database Consolidation

Managing Resources for an Instance of SQL Server

Managing Resources for Multiple Instances on a Windows Server

Module 4: Introduction to Cloud Data Solutions

Overview of Cloud Computing

SQL Server in a Private Cloud

Lab : Preparing a SQL Server Installation in a Virtual Machine Template

Creating a prepared Instance

Completing a prepared Instance

Module 5: Introduction to Windows Azure

Windows Azure Overview

Windows Azure Storage

Lab : Using Windows Azure

Creating a Windows Azure Storage Account

Backing Up a Database to Windows Azure

Module 6: Windows Azure SQL Database

Introduction to Windows Azure SQL Database

Windows Azure SQL Database Security

Implementing and Managing Databases

Lab : Using Windows Azure SQL Database

Provisioning Windows Azure SQL Database

Configuring Windows Azure SQL Database Security

Migrating a Database to Windows Azure SQL Database

Module 7: SQL Server in Windows Azure Virtual Machines

Introduction to Windows Azure Virtual Machines

Windows Azure Virtual Machine Connectivity and Security

Creating Databases in a Windows Azure Virtual Machine

Lab : Using Windows Azure Virtual Machines

Creating a Windows Azure Virtual Machine

Configuring Windows Azure Virtual Machines Security and Connectivity

Creating Databases on a Virtual Machine

Module 8: Introduction to High Availability in SQL Server 2014

High Availability Concepts and Options in SQL Server 2014

Log Shipping

Lab : Using Log Shipping

Configure Log Shipping

Test the Log Shipping Configuration

Test Failover

Module 9: Clustering with Windows Server and SQL Server 2014

Introduction to Windows Server Failover Clustering

SQL Server AlwaysOn Failover Cluster Instances

Lab : Implementing an AlwaysOn Failover Cluster Instance

Inspect the Windows Server Failover Cluster Configuration

Install an AlwaysOn Failover Cluster Instance

Configure tempdb to Use Local Storage

Test Automatic Failover and Failback

Module 10: AlwaysOn Availability Groups

Introduction to AlwaysOn Availability Groups

Working with AlwaysOn Availability Groups

Considerations for Using AlwaysOn Availability Groups

Lab : Implementing and Testing an AlwaysOn Availability Group

Implementing an AlwaysOn Availability Group

Connecting to an AlwaysOn Availability Group

Testing Failover

Configure Quorum Voting

Module 11: Planning High Availability and Disaster Recovery

High Availability and Disaster Recovery with SQL Server 2014

High Availability and Disaster Recovery for Databases in Windows Azure

Lab : Planning High Availability and Disaster Recovery

Planning High Availability and Disaster Recovery Solutions with SQL Server 2014

Planning High Availability and Disaster Recovery Solutions by Using Windows Azure

Module 12: Replicating Data

SQL Server Replication

Planning Replication

Lab : Planning and Implementing Replication

Planning Replication

Implementing Replication

INFO

Manuale: Materiale didattico ufficiale Microsoft in formato digitale

Prezzo manuale: 250 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)