

- REF: BD025
- NOMBRE: ACTUALIZACIÓN DE SQL SERVER 2005 A SQL SERVER 2008
- 25 Horas

## Objetivos:

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*Capacitar al alumno en el conocimiento y habilidades del servidor SQL Server 2008, que le permitirán obtener los conocimientos necesarios para realizar todas las funciones propias de un administrador de bases de datos.*

## Dirigido:

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- *Técnicos de sistemas*
- *Administradores de bases de datos que quieren mejorar sus habilidades al Servidor SQL 2008*
- *Usuarios experimentados en SQL 2005*

## Requisitos:

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*Conocimientos generales de una base de datos, así como tener experiencia o conocer la base de datos SQL 2005.*

## Contenido:

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### CURSO ACTUALIZACIÓN DE SQL SERVER 2005 A SQL SERVER 2008.

#### **Module 1: Introduction to SQL Server 2008**

- The Evolution of SQL Server
- Preparing for SQL Server 2008

##### **Lab 1: Exploring SQL Server Books Online**

- Reviewing the SQL Server Books Online Tutorials
- Reviewing SQL Server Books Online

##### **After completing this module, students will be able to:**

- Describe the evolution of SQL Server.
- Prepare for SQL Server 2008.

#### **Module 2: SQL Server 2008 Manageability Enhancements**

- Configuration Servers
- Policy-Based Management

##### **Lab 2: Managing SQL Server 2008**

- Creating a Configuration Server
- Creating and Applying a Policy

##### **After completing this module, students will be able to:**

- Create and use a configuration server.
- Create and use policies.

#### **Module 3: SQL Server 2008 Performance Enhancements**

- Managing Workloads with Resource Governor
- Monitoring Performance with the Data Collector
- Managing Performance with Plan Freezing

##### **Lab 3: Optimizing SQL Server 2008**

- Using Resource Governor
- Using the Data Collector

##### **After completing this module, students will be able to:**



- Manage workloads with Resource Governor.

- Monitor performance with the Data Collector.
- Manage performance with Plan Freezing.

#### Module 4: SQL Server 2008 Security Enhancements

- Encrypting Databases
- Auditing All Actions

##### Lab 4: Securing a SQL Server 2008 Database

- Using Transparent Data Encryption

**After completing this module, students will be able to:**

- Encrypt databases.
- Audit all actions.

#### Module 5: SQL Server 2008 Database Development Enhancements

- Developer Tool Enhancements
- Data Type Enhancements
- Working with Spatial Data

##### Lab 5: Developing Databases with SQL Server 2008

- Using Date and Time Data Types
- Using Spatial Data

**After completing this module, students will be able to:**

- Describe the developer tool enhancements in SQL Server 2008.
- Use the data type enhancements in SQL Server 2008.
- Work with spatial data.

#### Module 6: SQL Server 2008 Availability Enhancements

- Always On Technologies
- Transactional Peer-to-Peer Replication

##### Lab 6: Maintaining High Availability

- Configuring Peer-to-Peer Replication
- Adding a Replication Node

**After completing this module, students will be able to:**

- Describe the SQL Server 2008 always on technologies.
- Implement transactional peer-to-peer replication.

## Module 7: SQL Server 2008 Data Warehousing Enhancements

- ETL Enhancements
- Using Partitioned Tables
- Optimizing Data Storage

### Lab 7: Data Warehousing with SQL Server 2008

- Using Change Data Capture
- Using the MERGE Statement
- Working with Partitioned Data

#### After completing this module, students will be able to:

- Describe the ETL enhancements in SQL Server 2008.
- Use partitioned tables.
- Optimize data storage.

## Module 8: SQL Server 2008 Reporting Services Enhancements

- Reporting Services Architecture and Management
- Authoring Reports
- Report Processing and Rendering

### Lab 8: Using SQL Server 2008 Reporting Services

- Creating a Report with Report Designer
- Managing Reporting Services

#### After completing this module, students will be able to:

- Describe the Reporting Services architecture and management.
- Author reports.
- Understand report processing and rendering.

## Module 9: SQL Server 2008 Analysis Services Enhancements

- Multidimensional Analysis with SQL Server Analysis Services
- Data Mining with SQL Server Analysis Services

### Lab 9: Using SQL Server 2008 Analysis Services

- Implementing Multidimensional Analysis
- Implementing Data Mining

#### After completing this module, students will be able to:

- Implement multidimensional analysis.
- Implement data mining.