

---

## Implementing and Maintaining Microsoft® SQL Server™ 2008 Analysis Services

Längd: 3 Days    Kurskod: M6234

---

### Sammanfattning:

This instructor-led course teaches students how to implement an Analysis Services solution in an organization. The course discusses how to use the Analysis Services development tools to create an Analysis Services database and an OLAP cube, and how to use the Analysis Services management and administrative tools to manage an Analysis Services solution.

---

### Målgrupp:

The primary audience for this course is individuals who design and maintain business intelligence solutions for their organization. These individuals work in environments where databases play a key role in their primary job and may perform database administration and maintenance as part of their primary job responsibilities. The secondary audience for this course is individuals who develop applications that deliver content from SQL Server Analysis Services to the organization.

---

### Målsättning:

- After completing this course, students will be able to:
  - Describe how SQL Server Analysis Services can be used to implement analytical solutions.
  - Create multidimensional analysis solutions with SQL Server Analysis Services.
  - Implement dimensions and cubes in an Analysis Services solution.
  - Implement measures and measure groups in an Analysis Services solution.
  - Query a multidimensional Analysis Services solution.
  - Customize an Analysis Services cube.
  - Deploy and secure an Analysis Services database.
  - Maintain a multidimensional Analysis Services solution.
  - Implement a Data Mining solution.
- 

### Förkunskaper:

Before attending this course, students must have:

- Conceptual understanding of OLAP solutions.
  - Experience navigating the Microsoft Windows Server environment.
  - Experience with Windows services (starting and stopping).
  - Experience creating service accounts and permissions.
  - Experience with Microsoft SQL Server, including:
    - SQL Server Agent.
    - SQL Server query language (SELECT, UPDATE, INSERT, and DELETE).
    - SQL Server System tables.
    - SQL Server accounts (users and permissions).
-

## Innehåll:

### Introduction to Microsoft SQL Server Analysis Services

This module introduces common analysis scenarios and describes how Analysis Services provides a powerful platform for multidimensional OLAP solutions and data mining solutions. The module then describes the main considerations for installing Analysis Services.

- Overview of Data Analysis Solutions
- Overview of SQL Server Analysis Services
- Installing SQL Server Analysis Services

### Creating Multidimensional Analysis Solutions

This module introduces the development tools you can use to create an Analysis Services multidimensional analysis solution, and describes how to create data sources, data source views, and cubes.

- Developing Analysis Services Solutions
- Creating Data Sources and Data Source Views
- Creating a Cube

### Working with Cubes and Dimensions

This module describes how to edit dimensions and to configure dimensions, attributes, and hierarchies.

- Configuring Dimensions
- Defining Attribute Hierarchies
- Sorting and Grouping Attributes

### Working with Measures and Measure Groups

This module explains how to edit and configure measures and measure groups.

- Working With Measures
- Working with Measure Groups

### Querying Multidimensional Analysis Solutions

This module introduces multidimensional expressions (MDX) and describes how to implement calculated members and named sets in an Analysis Services cube.

- MDX Fundamentals
- Adding Calculations to a Cube

### Customizing Cube Functionality

This module explains how to customize a cube by implementing key performance indicators (KPIs), actions, perspectives, and translations.

- Implementing Key Performance Indicators
- Implementing Actions
- Implementing Perspectives
- Implementing Translations

### Deploying and Securing an Analysis Services Database

This module describes how to deploy an Analysis Services database to a production server, and how to implement security in an Analysis Services multidimensional solution.

- Deploying an Analysis Services Database
- Securing an Analysis Services Database

### Maintaining a Multidimensional Solution

This module discusses the maintenance tasks associated with an Analysis Services solution, and describes how administrators can use the Analysis Services management tools to perform them.

- Configuring Processing
- Logging, Monitoring, and Optimizing an Analysis Services Solution
- Backing Up and Restoring an Analysis Services Database

### Introduction to Data Mining

This module introduces data mining, and describes how to implement data mining structures and models. It then explains how to validate data model accuracy.

- Overview of Data Mining
- Creating a Data Mining Solution
- Validating Data Mining Models

## Övrig information:

För mer information eller kursbokning, vänligen kontakta oss på telefon. 020-73 73 73

[info@globalknowledge.se](mailto:info@globalknowledge.se)

[www.globalknowledge.se](http://www.globalknowledge.se)

Vretenvägen 13, plan 3, 171 54 Solna