



## SQL Server Analysis Services

### Course overview

#### Description

This course covers how to implement an Analysis Services solution in an organization, covering how to use the development tools to create an Analysis Services database and an OLAP cube, and how to use the management and administrative tools to manage an Analysis Services solution

#### Who will benefit?

Anyone designing and maintaining business intelligence solutions, or perform database administration and maintenance.

#### Prerequisites

Experience of the Windows Server environment navigating the environment, creating accounts & permission and Windows services. Experience of .MS SQL Server including Agent, SQL, Systems tables and accounts

#### Objectives

By the end of the course delegates will be able to:

- Describe how SQL Server Analysis Services can be used to implement analytical solutions.
- Use SQL Server Analysis Services to create multidimensional analysis solutions.
- Implement dimensions and cubes 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.

**Duration: 3 days**



**Hands on!**

#### Contents

##### MS SQL Server Analysis Services Introduction

Overview of Data Analysis Solutions, & SQL Server Analysis Services,  
Installing SQL Server Analysis Services.

##### Creating Multidimensional Analysis Solutions

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

##### Working with Cubes and Dimensions

Configuring Dimensions  
Defining Attribute Hierarchies  
Sorting and Grouping Attributes

##### Working with Measures and Measure Groups

Working With Measures  
Working with Measure Groups

##### Querying Multidimensional Analysis Solutions

MDX Fundamentals  
Adding Calculations to a Cube

##### Customizing Cube Functionality

Cube customization by implementing key performance indicators (KPIs), actions, perspectives, and translations.

##### Deploying and Securing an Analysis Services Database

Deploying an Analysis Services Database  
Securing an Analysis Services Database

##### Maintaining a Multidimensional Solution

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

##### Introduction to Data Mining

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

### Why us?

We prefer to let our clients explain why.  
"Easily one of the best bits of training I've had! Should have done this months ago."

T.R. Royal Bank of Scotland

### Small class sizes

We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.  
"Excellent course. The small class size was a great benefit..."

M.B. - IBM

### Hands-on training

The majority of our courses use hands on sessions to reinforce the theory.  
"Not many courses have practice added to it. Normally just the theoretical stuff is covered."

J.W. Vodafone

### Our courseware

We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.  
"Well presented & lots of it."

P.A. Livingston

### Customise your course

Is there more than one of you? Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."

S.R. Qinetiq

### Our clients

You can be reassured that when you receive training from us, you are in good company. Clients range from service providers and large multinationals down to one man businesses.

"Material covered is relevant to ISP operation, more so than many vendor courses."

A.F. LINX

### What our customers say

"Big thanks to SNT. I found this course to be well planned and delivered by your professional staff."

S.H. Deutsche Bank AG