SSAS - Tabular Model

2 day training course







Course contents

This course will cover the following topics. Those marked with (*) will be covered if time allows.

Visual Studio basics

- Visual Studio windows
- Setting startup options
- Creating a project

Connecting to SQL Server

- Creating and using connections
- Filtering rows and columns

Creating a data model

- Hiding from client tools
- Renaming tables/columns
- How column storage works
- How processing works

Relationships

- Diagram view
- Creating relationships

Excel pivot tables

- Analysing data in Excel
- Connecting from Excel
- Using Excel pivot tables

Power BI Desktop overview (*)

- Importing from SSAS
- Basic visualisations
- How publishing works

Other data sources

- Linking to Excel
- Pasting in data

Calculated columns

- Using IF and SWITCH
- BLANK arithmetic
- Linking tables using RELATED

Measures

- Creating measures
- SUMX, AVERAGEX, etc.

Changing query context

- The CALCULATE function
- Using FILTER

Prototyping using PowerPivot

- Using PowerPivot
- Importing PowerPivot models into SSAS
- Constraints

Calendars

- Creating a calendar table
- Using multiple calendars

Date calculations

- Working days
- Period to date
- Prior and parallel periods
- Semi-additive measures

Hierarchies

- Creating a hierarchy
- Viewing hierarchies

KPIs

- The parts of a KPI
- Absolute and relative measures
- Creating and viewing KPIs

Perspectives

- Creating perspectives
- Using in Excel

Security (*)

- How security works
- Creating roles
- Filtering rows by role