Course code: GOC641

Who the course is for The course is intended for database specialists and analysts who are tasked with advanced data analysis and want to take advantage of technology SQL Server Analysis ServicesAfter completing this course, students will be able to: Describe Analysis Services Create multidimensional databases Work with cube and create dimensions Work with measures and measure groups Describe transactions and concurrency Use basic syntax of MDX language Extend cube attributes Analysis Services mantenance Data mining overview Use basic syntax of DAX language Analysis Services Tabular model How to choose right modelRequired skills Basic knowledge of the Microsoft Windows operating system and its core functionality Working knowledge of Transact-SQL Basick knowledge of data warehousesTeaching methodsExpert instruction with practical examples, computer practice

LiteratureSpecialized bookCourse OutlineAnalysis Services Overview Overview Basic concepts Multidimensional database Datasource Datasource view Creation of cubes and dimensions Advanced techniques of cube and dimension creation Advanced cube creation Advanced dimension creation Work with measures Measures Measure groups MDX fundamentals MDX basic concepts MDX basic syntax Calculated members Cube extensions KPI Actions Perspectives Translation Analysis Services management Deploy Security Processing Automating tasks Datamining fundamentals Datamining structures Datamining modelsDatamining fundamentals Datamining structures Datamining models PowerPivot PoverPivot overview How to create InMemory model using ExcelDAX fundamentals Extending data model using DAX Advanced DAX Using DAX on agregated levelAnalysis Services Tabular model Working with Tabular model Tabular vs. multidimensional Tabular model maintenance How to choose right data model Model comparsion Discusion with students

Affiliate	Duration	Course price	ITB
Praha	3	19 200 Kč	30
Brno	3	19 200 Kč	30
Bratislava	3	825 €	30

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
10.02.2025	3	825 €	Online	CZ/SK	GOPAS Bratislava online
10.02.2025	3	19 200 Kč	Online	CZ/SK	GOPAS Praha online
24.02.2025	3	19 200 Kč	Presence	CZ/SK	GOPAS Praha
14.04.2025	3	825 €	Presence	CZ/SK	GOPAS Bratislava prezenčne
02.06.2025	3	19 200 Kč	Presence	CZ/SK	GOPAS Praha
09.06.2025	3	19 200 Kč	Online	CZ/SK	GOPAS Praha online
09.06.2025	3	825 €	Online	CZ/SK	GOPAS Bratislava online

The prices are without VAT.

Who the course is for

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After completing this course, students will be able to:

- Describe Analysis Services
- Create multidimensional databases
- Work with cube and create dimensions
- Work with measures and measure groups

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- Descripe transactions and concurrency
- Use basic syntax of MDX language
- Extend cube attributes
- Analysis Services mantenance
- Data mining overview
- Use basic syntax of DAX language
- Analysis Services Tabular model
- How to choose right model

Required skills

- Basic knowledge of the Microsoft Windows operating system and its core functionality
- Working knowledge of Transact-SQL
- Basick knowledge of data warehouses

Course Outline

Analysis Services Overview

- Overview
- Basic concepts

Multidimensional database

- Datasource
- Datasource view
- Creation of cubes and dimensions

Advanced techniques of cube and dimension creation

- Advanced cube creation
- Advanced dimension creation

Work with measures

- Measures
- Measure groups

MDX fundamentals

- MDX basic concepts
- MDX basic syntax
- Calculated members

Cube extensions

- KPI
- Actions
- Perspectives
- Translation

Analysis Services management

- Deploy
- Security
- Processing
- Automating tasks

Datamining fundamentals

- Datamining structures
- Datamining models

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Datamining fundamentals
- Datamining structures
- Datamining models

PowerPivot
- PoverPivot overview
- How to create InMemory model using Excel

DAX fundamentals
- Extending data model using DAX
- Advanced DAX
- Using DAX on agregated level

Analysis Services Tabular model
- Working with Tabular model
- Tabular vs. multidimensional
- Tabular model maintenance

How to choose right data model
- Model comparsion
- Discusion with students

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