



Implementing and Maintaining Microsoft SQL Server Analysis Services

Description: This three-day 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.

Session 1: Introduction to Microsoft SQL Server Analysis Services

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

Session 2: Creating Multidimensional Analysis Solutions

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

Session 3: Working with Cubes and Dimensions

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

Session 4: Working with Measures and Measure Groups

- Working with Measures
- Working with Measure Groups

Session 5: Querying Multidimensional Analysis Solutions

- MDX Fundamentals
- Adding Calculations to a Cube

Session 6: Customizing Cube Functionality

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

Session 7: Deploying and Securing an Analysis Services Database

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

Session 8: Maintaining a Multidimensional Solution

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

Session 9: Introduction to Data Mining

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



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