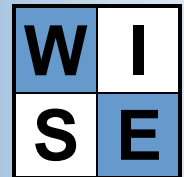


- COURSE CODE:** SQ8DNF
- COURSE TITLE:** SQL Server 2008/2008 R2 New Data Warehousing/ Business Intelligence Features
- AUDIENCE:** Data architects, data integrators, ETL technicians, OLAP and reporting analysts.
- PREREQUISITES:** Conversancy with data warehousing in general and SQL Server 2000 and/or SQL Server 2005 BI solutions (e.g., DTS, SSIS) in particular.
- DURATION:** 2 days
- SUMMARY:** This SQL Server 2008/2008 R2 New DW/BI Features presentation covers the technical and non-technical details as these relate to:
- Data warehousing (DW)
 - SQL Server 2008/2008 R2 Integration Services (SSIS)
 - SQL Server 2008/2008 R2 Analysis Services (SSAS)
 - SQL Server 2008/2008 R2 Reporting Services (SSRS)
- To assist understanding, example scenarios and hands-on exercises are used.
- OBJECTIVES:** Upon completion of this presentation, the participant should be able to exploit SQL Server 2008/2008 R2 new and enhanced BI features per the 'Core Topics' that follow.
- FORMAT:** Lecture and hands-on.



1. DATA WAREHOUSE (DW) ENHANCEMENTS

- The DW relational DB
- Star joins
- Partitioned table parallelism
- Partition-aligned indexed views
- GROUPING SETS query
- MERGE statement
- Change Data Capture (CDC)
- Minimally logged INSERT activity
- Data compression
- Backup compression
- Resource Governor
- Hands-on exercise

2. MICROSOFT OFFICE SYSTEM INTEGRATION

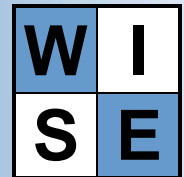
- MS Office Excel
- MS Office Word
- MS Office Visio
- MS Office SharePoint
- MS Office PerformancePoint

3. SSIS 2008/2008 R2 ENHANCEMENTS

- Data Profiling task
- Data Profile Viewer
- Scripting via Visual Studio Tools for Applications (VSTA)
- Scripting: C# vs. VB.NET
- Data flow engine: improved thread allocation, etc.
- Improved ADO.NET support
- Import/Export Wizard enhancements
- Persistent Lookup transformation
- Versatile cached Lookup transformation
- Improved memory dumps
- Hands-on exercise

4. SSAS 2008/2008 R2 ENHANCEMENTS

- Best practices design alerts
- Multiple SSAS servers sharing a single SSAS DB
- Block computation and NULLs
- Enhanced Cube Aggregation wizard
- Writeback support for ROLAP
- SSAS interoperability with MS Office 2007/2010 (e.g., Excel)
- Data mining enhancements
- Predictive KPIs
- Improved dimension design



5. SSRS 2008/2008 R2 ENHANCEMENTS

- Installation changes
- Integration with MS SharePoint
- Reports from: SSAS, Oracle, DB2, etc.
- Enhanced report authoring
- Report Builder 2.0 and 3.0
- Tablix generated reports (Tablix = Table + Matrix)
- Enhanced charting
- Gauges and Sparklines
- Enhanced interactive (e.g., action, sorting) reports
- Report rendering enhancements
- Reports in MS Word format
- Multiple file formats (e.g., PDF, XML, CSV)