



10988c - Version: 1

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Managing SQL Business Intelligence Operations



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 3 days Course

Description:

This three-day instructor-led course is aimed at database professionals who manage Business Intelligence (BI) operations. This course looks at various options that provide the ability of business users to analyze data and share their findings, starting with managed BI data sources and expanding to personal and external/public data sources.

Intended audience:

The primary audience for this course are business intelligence professionals.

The secondary audiences for this course are technically proficient business users.

Prerequisites:

Some basic knowledge of data warehouse schema topology (including star and snowflake schemas)

Some exposure to basic programming constructs (such as looping and branching)

An awareness of key business priorities such as revenue, profitability, and financial accounting is desirable.

familiarity with SharePoint Server and Microsoft Office applications – particularly Excel

Objectives:

Describe key features of a self-service BI solution

Describe the key capabilities of SQL Server BI in a SharePoint environment
Describe common Analysis Services operational tasks
Describe PowerPivot for SharePoint server
Describe Power Query
Describe Windows Azure HDInsight

Topics:

Module 1: Introduction to Operational Management in BI Solutions

- Rationale for BI Operations
- Roles in BI Operations
- Technologies Used in BI Operations
- Environment and Operational Standards
- Lab : Introduction to Operational Management in BI Solutions

Module 2: Configuring BI Components

- The Importance of Standardized Builds
- Configuration Considerations for BI Technologies
- BI Architectures
- SharePoint BI Environments
- Lab : Configuring BI Components

Module 3: Managing Business Intelligence Security

- Security Approach to BI Solutions
- Security Components
- Security Approach for BI Components
- The Security Approach in Different BI Environments
- Lab : Managing Business Intelligence Security

Module 4: Deploying BI Solutions

- Application Life Cycle Management for BI Solution

- Stand-Alone Deployments
- Team-Based Deployments
- Lab : Deploying BI Solutions

Module 5: Logging and Monitoring in BI Operations

- The Need for Logging and Monitoring
- Logging Options
- Monitoring Options
- Setting Up Alerts
- Lab : Monitoring BI Solutions

Module 6: Troubleshooting BI Solutions

- Troubleshoot Failed BI Solutions
- Troubleshooting the Data Warehouse
- Troubleshooting SQL Server Analysis Services
- Troubleshooting SQL Server Reporting Services
- Lab : Troubleshooting BI Solutions

Module 7: Performance Tuning BI Queries

- The Need for Performance Tuning
- BI Queries to Performance Tune
- Tools for Performance Tuning
- Remediating Performance Issues
- Lab : Performance Tuning a BI Solution