

10988: Managing SQL Business Intelligence Operations

Duration: 3 Days

Method: Instructor-Led Training (ILT)

Course Description

This course looks at various options that provide the ability of business users to analyze data and share their findings, starting with managed Business Intelligence (BI) data sources and expanding to personal and external/public data sources.

Target Audience

This course is intended for:

- Database Professionals who manage Business Intelligence (BI) operations
- Business Intelligence Professionals
- Technically Proficient Business Users.

Prerequisites

To attend this course, participants must have:

- 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®

Course Objectives

Upon successful completion of this course, attendees will be able to:

- 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 the Power Query.
- Describe Windows Azure® HDInsight.



Course Topics

Module 1: Introduction to Operational Management in BI Solutions

- The Rationale for BI Operations
- Roles in BI Operations
- Technologies Used in BI Operations
- Environment and Operational Standards

Module 2: Configuring BI Components

- The Importance of Standardized Builds
- Configuration Considerations for BI Technologies
- BI Architectures
- SharePoint BI Environments

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

Module 4: Deploying BI Solutions

- Application Life Cycle Management for BI Solution
- Stand-Alone Deployments
- Team-Based Deployments

Module 5: Logging and Monitoring in BI Operations

- The Need for Logging and Monitoring
- Logging Options
- Monitoring Options
- Setting Up Alerts

Module 6: Troubleshooting BI Solutions

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

Module 7: Performance Tuning BI Queries

- The Need for Performance Tuning
- BI Queries to Performance Tune
- Tools for Performance Tuning
- Remediating Performance Issues

LABS INCLUDED

