



Managing SQL Business Intelligence Operations

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.

Who Should Attend:

The primary audience for this course are BI professionals

The secondary audiences for this course are technically proficient business users

Course Prerequisites:

Before attending this course, participants must have, in addition to their professional experience:

- Basic knowledge of data warehouse schema topology (including star & snowflake schemas).
- Some exposure to basic programming constructs (such as looping & branching)
- Basic awareness of key business priorities such as revenue, profitability, & financial accounting is desirable
- Familiarity with SharePoint Server & MS Office applications, particularly Excel

Course Objectives:

After completing this course, participants 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 Power Query
- Describe Windows Azure HDInsight

Course Code: 10988A
Course Duration: 3 Days

Course Summary

Module 1: Introduction to Operational Management in BI Solutions

Module 2: Configuring BI Components

Module 3: Managing Business Intelligence Security

Module 4: Deploying BI Solutions

Module 5: Logging & Monitoring in BI Operations

Module 6: Troubleshooting BI Solutions

Module 7: Performance Tuning BI Queries

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Call 1300 927 394 to register for this course today as places are strictly limited.



Course Outline

Module 1: Introduction to Operational Management in BI Solutions

This module is designed to set the scene for the rest of the course

Lessons

- 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

This module focuses on optimizing the data platforms on which the BI solutions reside, adhering to best practice to meet the requirements of the business.

Lessons

- The importance of Standardised Builds
- Configuration Considerations for BI Technologies
- BI Architectures
- SharePoint BI Environments

Lab

- Configuring BI Components

Module 3: Managing Business Intelligence Security

This module discusses how managing the security of data within an organization should be the first priority for any operational team.

Lessons

- 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

This module helps you to understand the tools that are available & the benefits they offer will help you to pick the right tool for the job and aid deployment.

Module 4...Lessons

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

Lab

- Deploying BI Solutions

Module 5: Logging and Monitoring in BI Operations

This module introduces techniques to ensure the continued service of key applications that are used within the business.

Lessons

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

Lab

- Monitoring BI Solutions

Module 6: Troubleshooting BI Solutions

This module introduces techniques to troubleshoot failed BI operations.

Lessons

- 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

This module introduces tuning the query aspects of the BI solution to improve performance.

Lessons

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

Lab

- Performance Tuning a BI Solution