Price:	$
Length:	21 Hours (3 days)

Introduction: 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.

Target Audience: The primary audience for this course are business intelligence professionals.

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

Prerequisites: In addition to their professional experience, students who attend this training should already have the following technical knowledge:
- 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

Course Objectives: After completing this course, students 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 Outline

I. Introduction to Operational Management in BI Solutions
- A.   Rationale for BI Operations
- B.   Roles in BI Operations
- C.   Technologies Used in BI Operations
- D.   Environment and Operational Standards

II. Configuring BI Components
- A.   The Importance of Standardized Builds
- B.   Configuration Considerations for BI Technologies
- C.   BI Architectures
- D.   SharePoint BI Environments

III. Managing Business Intelligence Security
- A.   Security Approach to BI Solutions
- B.   Security Components
- C.   Security Approach for BI Components
- D.   The Security Approach in Different BI Environments

IV. Deploying BI Solutions
- A.   Application Life Cycle Management for BI Solution
- B.   Stand-Alone Deployments
- C.   Team-Based Deployments

V. Logging and Monitoring in BI Operations
- A.   The Need for Logging and Monitoring
- B.   Logging Options
- C.   Monitoring Options
- D.   Setting Up Alerts

VI. Troubleshooting BI Solutions
- A.   Troubleshoot Failed BI Solutions
- B.   Troubleshooting the Data Warehouse
- C.   Troubleshooting SQL Server Analysis Services
- D.   Troubleshooting SQL Server Reporting Services

VII. Performance Tuning BI Queries
- A.   The Need for Performance Tuning
- B.   BI Queries to Performance Tune
- C.   Tools for Performance Tuning
- D.   Remediating Performance Issues