

# **Managing SQL Business Intelligence Operations (MS-10988)**

**Modality: Virtual Classroom**

**Duration: 3 Days**

**SATV Value: 3**

## **About this course:**

This Data Science Training program is designed keeping in mind the everyday challenges faced by database professionals working on a variety of Business Intelligence tasks. This training program is intense in nature and led by accredited professionals from the industry to provide hands on knowledge and expertise to database professionals on managing SQL Business Intelligence Operation.

Business Intelligence training seems easy with this course. This course will teach you many lessons on BI data analysis, optimization, and learn about managed data sources, working on their findings, and reaching out to external data sources with complete ease.

## **Course Objective:**

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

## **Audience:**

This course is intended for:

- Business intelligence professionals
- 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

## **Suggested prerequisites courses:**

- Implementing a Data Warehouse with Microsoft SQL Server (MS-20463)
- SharePoint 2013 Site Collection and Site Administration (MS-55033)

## **Course Outline:**

### **Module 1: Introduction to Microsoft SQL Server BI Solution**

This module introduces key features of a self-service BI solution.

#### **Lessons**

- Overview of self-service BI
- Considerations of self-service BI
- Microsoft tools for self-service BI

#### **Lab : Exploring an enterprise BI solution**

#### **After completing this module, you will be able to:**

- Describe the concept of self-service BI
- Explain when you would use self-service BI
- Describe the Microsoft tools for self-service BI

### **Module 2: SQL Server BI Features with Microsoft SharePoint**

This module describes the key capabilities of SQL Server BI in a SharePoint environment.

#### **Lessons**

- Capabilities of Power BI with SharePoint
- SharePoint with analysis services
- SharePoint with reporting services
- Deploying SQL server BI in a SharePoint environment

### **Lab : Design a SQL Server BI infrastructure**

**After completing this module, you will be able to:**

- Describe the capabilities of Power BI with SharePoint
- Describe the use of SharePoint with analysis services
- Describe the use of SharePoint with reporting services
- Deploy SQL Server in a SharePoint environment

## **Module 3: Operating Analysis Services**

This module describes common analysis services operational tasks.

### **Lessons**

- Configuring an analysis services server
- Tuning an analysis services server
- Analysis services security
- Analysis services high availability and disaster recovery

### **Lab : Configuring analysis services**

**After completing this module, you will be able to:**

- Configure the analysis services server
- Tune the analysis services server
- Describe the analysis services security
- Implement analysis services high-availability and disaster recovery

## **Module 4: Supporting Analysis Services**

This module introduces PowerPivot for SharePoint server.

### **Lessons**

- Testing analysis services cubes
- Tuning analysis services
- Maintaining analysis services

### **Lab : Supporting Analysis Services**

**After completing this module, you will be able to:**

- Test analysis services
- Tune analysis services
- Maintain analysis services

## **Module 5: Operate and Support Reporting services**

This module introduces users to Power Query. They will use this more in subsequent modules.

### **Lessons**

- Installing a native mode report server
- Installing reporting services with SharePoint
- Reporting services with Microsoft Azure virtual machines
- Reporting services errors

### **Lab : Installing reporting services**

**After completing this module, you will be able to:**

- Install a native mode reporting server
- Install reporting services with SharePoint
- Implement reporting services with Microsoft Azure virtual machines
- Describe reporting services errors

## **Module 6: Share PowerPivot Workbooks in SharePoint Server**

This module introduces PowerPivot for SharePoint.

### **Lessons**

- PowerPivot for SharePoint
- Install and configure PowerPivot for SharePoint

### **Lab : Install PowerPivot for SharePoint**

**After completing this module, you will be able to:**

- Describe the capabilities of PowerPivot for SharePoint
- Install and Configure PowerPivot for SharePoint

## **Module 7: Operate and Support Power BI**

This module introduces Windows Azure HDInsight.

### **Lessons**

- Power BI desktop
- PowerBI.Com
- Mobile Power BI

## **Lab : Using Power BI**

**After completing this module, you will be able to:**

- Install and Configure Power BI desktop
- Implement Power BI dashboards
- Describe mobile power BI

## **Prerequisites**

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

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- 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