



To register or for more information call our office (208) 898-9036 or email [register@leapfoxlearning.com](mailto:register@leapfoxlearning.com)



## 20467 Designing Business Intelligence Solutions with MS SQL Server 2012

**Duration:** Five Days

**Overview:** Students will learn how to design and implement a BI infrastructure. The course discusses design, installation, and maintenance of a BI platform.

**Who Should Attend:** This course is intended for BI professionals such as BI Architects or database professionals who need to design BI solutions. BI Architects are responsible for the overall design of the BI infrastructure, including how it relates to other data systems in use.

### Prerequisite(s) or equivalent knowledge

10777 Implementing a Data Warehouse with Microsoft SQL Server 2012

10778 Implementing Data Models and Reports with Microsoft SQL Server 2012

### Outline

#### Lesson 1: Planning a BI Solution

- Elements of a BI Solution
- Planning a BI Project
- The Microsoft BI Platform
- Lab : Planning a BI Solution

#### Lesson 2: Planning a BI Infrastructure

- Planning a Data Warehouse Infrastructure
- Planning an ETL Infrastructure
- Planning Analysis Services Infrastructure
- Planning Reporting Services Infrastructure
- Lab : Planning a BI Infrastructure

#### Lesson 3: Designing a Data Warehouse

- Designing a Logical Schema
- Designing a Physical Schema
- Lab : Designing a Data Warehouse Logical Schema
- Lab : Designing a Data Warehouse Physical Schema

#### Lesson 4: Designing an ETL Solution

- Planning for Data Extraction
- Planning for Data Transformation
- Planning for Data Loading
- Planning for SSIS Package Deployment
- Lab : Designing an ETL Solution

#### Lesson 5: Designing Analytical Data Models

- Options for Analytical Models
- Data Model Design Considerations

Lab : Comparing Analytical Data Models  
Lab : Designing Data Models

**Lesson 6:** Planning a BI Delivery Solution

Considerations for BI Delivery  
Choosing a Delivery Approach  
Lab : Planning a BI Delivery Solution

**Lesson 7:** Designing a Reporting Services Solution

Designing Reports  
Considerations for Report Execution  
Planning a Reporting Solution  
Lab : Designing a Reporting Services Solution

**Lesson 8:** Designing an Excel-Based Reporting Solution

Using Excel for Data Reporting and Analysis  
PowerPivot in Excel  
Power View in Excel  
Lab : Designing an Excel Reporting Solution

**Lesson 9:** Planning a SharePoint Server BI Solution

Introduction to SharePoint Server as a BI Platform  
Planning Security for a SharePoint Server BI Solution  
Planning Reporting Services Configuration  
Planning PowerPivot Configuration  
Planning for PerformancePoint Services  
Lab : Planning a SharePoint Server BI Solution

**Lesson 10:** Monitoring and Optimizing a BI Solution

Overview of BI Monitoring  
Monitoring and Optimizing the Data Warehouse  
Monitoring and Optimizing Analysis Services  
Monitoring and Optimizing Reporting Services  
Lab : Monitoring and Optimizing a BI Solution

**Lesson 11:** Planning BI Operations

Overview of BI Operations  
Automating ETL Tasks  
Post ETL Tasks  
Planning a Backup Strategy for a BI Solution  
Lab : Planning BI Operations



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