

5 Days

## 20467D: Designing Business Intelligence Solutions With Microsoft SQL Server

This course is mainly meant for Business Intelligence [BI] professionals. It enhances their skill to plan and design BI solutions based on Microsoft BI Technologies.

### Course Objective:

On completion of this course, you will be able to

- Plan a BI solution and SQL Server BI infrastructure
- Design a data warehouse, extract, transform, and load [ETL] solution
- Design a reporting services solution, Microsoft Excel-based reporting solution
- Plan a SharePoint Server BI solution
- Monitor, Operate, and, optimize a BI Solution

## Course Details

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### Course Outline

#### Module 1: Planning a BI Solution

- BI Solution Elements
- BI Project Planning
- Microsoft BI Platform

#### Module 2: Planning SQL Server Business Intelligence Infrastructure

- BI Infrastructure
- Data Warehouse Hardware

#### Module 3: Designing a Data Warehouse

- Data Warehouse Design
- Dimension Tables and FACT Tables

#### Module 4: Designing an ETL solution

- ETL Overview
- Planning for Data extraction, transformation, and loading

#### Module 5: Designing Analytical Data Models

- Analytical data models and its design

#### Module 6: Planning a BI Delivery Solution

- Considerations for BI Delivery

- Reporting scenarios and selection of reporting tools

#### **Module 7: Designing a Reporting Services Solution**

- Design Reports
- Planning Reporting solutions and its consistency

#### **Module 8: Excel Based reporting Solution**

- Data Reporting and Analysis in Excel
- PowerPivot and Power View in Excel

#### **Module 9: SharePoint Server BI Solution**

- SharePoint Server as BI Platform
- Planning of Security, Reporting Services Configuration, PowerPivot Configuration, and PerformancePoint Services

#### **Module 10: Monitoring and Optimizing a BI Solution**

- BI Monitoring
- Monitoring and Optimizing Data warehouse, Reporting Services
- Monitoring and Analyzing Analysis Services

#### **Module 11: Operating a BI Solution**

- BI Operations Overview
- ETL, Data Warehouse, Analysis Services, and Reporting Services Operations

## Who Should Attend

- Students new to SQL Server 2014 BI technologies
- BI Professionals who work with SQL Server technologies

## Pre Requisite

The participants must have the technical knowledge as follows:

- Basic knowledge of dimensional modeling and server hardware
- Create integration service packages, multidimensional cube with Analysis Services
- Create basic tabular model with PowerPivot and Analysis Services
- Create Reporting Services reports with Report Designer
- Implement authentication and permissions
- Knowledge of SharePoint Server and Microsoft Office Applications

## Exams

DESIGNING BUSINESS INTELLIGENCE SOLUTIONS WITH MICROSOFT SQL SERVER [70-467]



Date - Apr 17, 2024