



COMPUTER TRAINING

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SHAREPOINT

Course No. 50429

5 Days

Target Audience:

This course explores how to use SharePoint as a platform for Business Intelligence. It teaches students how to build a BI environment using the Microsoft BI Stack. It is intended for senior Business Intelligence Architects or Consultants, Senior Business Analysts or anyone responsible for implementing a business intelligence solution using SharePoint 2010.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- An understanding of the SharePoint 2010 User Interface.
- Understand database reporting concepts.
- Familiarity with Data Marts and Data Warehouses.

Purpose:

After completing this course, students will be able to understand how business intelligence works; navigate the Business Intelligence Center in SharePoint 2010; understand data and data formats; build Business Connectivity Services (BCS) applications; use SQL Server Analysis Services (SSAS); work with Filter Web Parts; use Excel 2010 as a reporting tool; use PowerPivot with Excel 2010; automate reports with Reporting Services; integrate Reporting Services and PowerPivot; create Performance Point scorecards and KPIs; use Visio and Access services with SharePoint 2010; use .NET charts in SharePoint 2010; publish GeoSpatial data to SharePoint 2010.

Microsoft SharePoint 2010 Business Intelligence

At the end of the course the delegate will be able to complete the following:

Business Intelligence

- This module explores how Microsoft BI tools are enabling more advanced Business Intelligence features to filter up/down to decision makers and Information Workers in general.
- Business Intelligence
- Lab: Business Intelligence Worksheet

Skills:

- Define Business Intelligence.
- Understand what P=R-C means to BI.
- Understand your BI will only be as good as your data, tools and processes.

Business Intelligence Center

- This module explores the Business Intelligence Center site definition that comes with SharePoint 2010.
- SharePoint Business Intelligence Center
- Dashboard Designer
- Lab: Business Intelligence Center

Skills:

- Navigate the Business Intelligence Center Site Definition.
- Understand what a SharePoint Dashboard is.
- Understand what a KPI is and what data they can analyze.
- Understand what integration points are compatible with the Business Intelligence Center.

Data Mart and Data Warehouses

- This module explores the definition of data and some of the many forms it can take. It also defines the terms Data Warehouse and Data Mart.
- Understand Data and Data Formats
- Data Marts and Data Warehouses
- Extract stage
- Transform and Load stages
- The importance of primary/unique keys
- Data Warehouse Granularity Levels
- Populating SharePoint Lists with SQL Server data
- Lab: Data and Data Formats
- Lab: Build A Data Warehouse
- Lab: Extract and Load
- Lab: Transform and Load
- Lab: Granularity
- Lab: Build A Data Mart
- Lab: SQL Server to SharePoint Lists

Skills:

- Differentiate between multiple data formats.
- Understand differences between data warehouse and data marts.
- Describe what happens in an Extract, Transform and Load (ETL) process.

Business Connectivity Services

- This module looks at the new Business Connectivity Services.
- Business Connectivity Services
- External Content Types
- External Lists
- Large External List using ECTs
- Use Filters and External lists
- Entity Profile Pages
- Office and BCS Integration
- Lab: BCS Basics
- Lab: BCS with a Data Warehouse
- Lab: Office and BCS for BI

Skills:

- Understand how BCS works.
- Know how to build new BCS applications.
- Upgrade older BDC applications to BCS.

Analysis Services

- This module explores SQL Server Analysis Services (SSAS).
- Dimension and Fact tables with SSAS
- Analysis Services Databases
- Cubes
- KPIs
- Lab: Analysis Services
- Lab: Building an Analysis Services Database

Skills:

- Describe OLAP terms.
- Understand how to navigate Analysis Services.
- How to build a simple cube.
- How to write simple MDX queries.
- How to use data mining models.

Filter Web Parts

- This module explores the important role Filter Web Parts play in building Business Intelligence portals.
- Filter Web Parts
- Integrate User Profiles with Filters and Reports
- Lab: Filter Web Parts
- Lab: UserProfiles and Filters

Skills:

- Describe the role of Filter Web Parts.
- Work with Filter Web Parts.
- Understand how to integrate Filter Web Parts into other BI technologies.

Excel Services

- This module works with the various features of SharePoint's Excel Services.
- Excel Services
- Excel Reporting
- Shared Data Connections
- MDX Features in Excel 2010
- Excel 2010 Sparklines
- Filter Web Parts and Excel Services
- REST Features of Excel Services
- Lab: Create An Excel Report
- Lab: Excel Services
- Lab: MDX
- Lab: Sparklines
- Lab: Filters and Excel Services
- Lab: REST and Web Services



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Skills:

- Setup and configure Excel Services
- Use the Excel Services Web Parts
- Use Excel to modify MDX queries
- Use Excel to create Sparklines
- Use Excel Services REST-ful APIs

PowerPivot

- This module explores the new PowerPivot tools of SQL Server 2008 R2 and Excel 2010.
- PowerPivot For SharePoint 2010
- PowerPivot For Excel 2010
- PowerPivot Linked Tables
- Analyze Usage Data
- Lab: Install Power Pivot
- Lab: Use PowerPivot

Skills:

- Create PowerPivot enabled spreadsheets.
- Utilize common PowerPivot functions and tools.

Reporting Services

- This module explores Reporting Services, its integration with SharePoint and how to build Reporting Services reports.
- Reporting Services
- Reporting Services Reports
- Reporting Services Web Part
- Automate Report Delivery
- Reporting Services and PowerPivot
- Lab: Install Reporting Services
- Lab: Building Reports with Reporting Services
- Lab: Automating Reports with Reporting Services
- Lab: Reporting Services and PowerPivot

Skills:

- Understand and describe the integration between Reporting Services and SharePoint.
- Build Reporting Services reports.
- Use the Reporting Services web part.
- Create Report and Report Part Libraries.
- Integrate Reporting Services and PowerPivot.

Performance Point

- This module explores how Performance Point can enhance your BI Dashboards and Key Performance Indicators.
- Performance Point Service Application
- Dashboard Designer
- Performance Point Reports
- Lab: Performance Point

Skills:

- Describe the features of Performance Point.
- Create Performance Point Scorecards and KPIs.
- Use Time Intelligence features in your BI solutions.

Visio and Access Services

- This module looks at how Visio and Access Services can be integrated into a Report process.
- Visio Services
- Publishing a Visio Diagram to SharePoint
- Access Services
- Publishing an Access Database to SharePoint
- Lab: Visio Services
- Lab: Access Services

Skills:

- Create and deploy interactive Visio diagrams to SharePoint.
- Create and deploy Access databases to SharePoint.

GeoSpatial Data with Charts and Maps

- This module explores GeoSpatial data and how to use the new .NET Charts and Mapping features of SharePoint 2010.
- Charts and Maps
- GeoSpatial Data
- Spatial Data Types in SQL Server
- Using Geospatial Data in a Reporting Services Report
- Publishing Geospatial Data to SharePoint 2010.
- Filters, Data Views and Bing Maps integration
- .NET Charts
- Lab: GeoSpatial Data with SQL Server
- Lab: Bing Maps
- Lab: .NET Charts

Skills:

- Understand how .NET Charts are used in SharePoint 2010.
- Understand how to build geospatial maps using BI data.



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Cost:

For the latest available price, please see the course page on **www.f1comp.co.uk**, or call 01225 336096.

Numbers:

Maximum of 6 people on each course at F1's training facilities in London and Bath