

# Course Outline



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## Introduction to SQL Server Business Intelligence

### Course Description:

This course is intended to give delegates an overview of what SQL Server Business Intelligence is all about and how Integration Services (SSIS), Analysis Services (SSAS), Reporting Services (SSRS) and Power BI might benefit their organisation.

It will offer an introduction to each of the four services which contribute towards the SQL Server Business Intelligence Solutions, introducing features in all versions up to and including the latest SQL server 2017, and through demonstrations will show each service in action. By the end of the course delegates will have an insight into the role of business intelligence, will be able to identify whether it has a place in their organisation's data management solutions and will be able to identify which of the services they require.

This course serves as a good lead in to the more hands-on and specialist courses aimed at configuring and maintaining SSIS, SSAS, SSRS, Power BI; and creating, deploying, sharing and securing SSIS packages, OLAP Cubes, Tabular Models, SSRS & Power BI Reports & Dashboards.

### Pre-requisites:

This course is ideally suited to anyone who wishes to know a bit more about SQL Server's Business Intelligence services: Integration Services (SSIS), Analysis Services (SSAS), Reporting Services (SSRS), and Power BI.

It would suit IT management or Data Management/Data Analyst decision makers who would like to understand what SQL Server Business Intelligence can offer their organisation, the role of each of the three services and how they could implement all or some of them to satisfy their data analysis and reporting needs.

It would also suit any individuals who may need to work with these services, but would like to get an overview of what each service does and how they work together before moving on to in depth and specific training.

### Course Content:

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- **Business Intelligence Overview**
  - What Is Business Intelligence?
  - Data Warehousing
  - SQL Server Business Intelligence Services
  - SQL Server Business Intelligence Tools
  - The Big Picture
- **SQL Server Integration Services (SSIS)**
  - Integration Services Features & Architecture Overview
  - SSIS Tools
  - SSIS Projects
  - Packages
  - A More Complex SSIS Package
  - Creating & Deploying a Simple Package
  - Running The Package
- **SQL Server Reporting Services (SSRS)**
  - What Is Reporting Services?
  - Reporting Services Features
  - Report Creation
  - Report Execution
  - Report Rendering
  - Report Delivery
  - Reporting Services Versions
  - Reporting Services Architecture
  - Report Architecture
  - Report Builder 3.0
  - Using Report Builder Wizards
  - Shared Report Access With Report Manager
  - Reporting Services Features
  - SharePoint Integration
  - Custom Applications

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- **SQL Server Analysis Services (SSAS)**
  - Analysis Services Features
  - Data Warehouse
  - Multidimensional OLAP Cubes
  - Business Intelligence Design & Implementation
  - Creating OLAP Cubes
  - Deploying The Cube
  - Process The Cube
  - Storing Measures, Dimension Members and Aggregates
  - Querying Cubes
  - Viewing Cube Data With Management Studio
  - Excel and PowerPivot
  - Creating A Report Based On A Cube
  - SSAS Tabular Model
- **Power BI**
  - What Is Power BI
  - Importing, Cleansing, Transforming and Validating data
  - Tabular Modelling
  - Visualisations
  - Dashboards & Reports

**Course Duration:**

**1 Days**