

Microsoft Business Intelligence

Course ID	0102
Course Name	Microsoft Business Intelligence Training (Microsoft BI)
Duration	39 hours
Delivery Method	In class
Course Overview	<p>This training is designed to provide insights on different tools in Microsoft Business Intelligence (SQL Server Integration Services, SQL Server Reporting Services). Get expertise in SSIS & SSRS concepts and master them.</p> <p>The course will give you the practical knowledge on Data Warehouse concepts and how these tools help in developing a robust end-to-end BI solution using the Microsoft BI Suite.</p>
Lab requirement	Assignments
Audience	
Prerequisites	<p>Candidate should have bachelor degree or college diploma. Candidate should either have past working experience in business, information technology, logistics, engineering, finance, health care, banking and insurance domains or is currently working in these domains. Candidate should have good communication and writing skills. "PLEASE NOTE THAT THIS IS NOT MANDATORY"</p>
Course Objective	<p>After the completion of BI Training you will be able to:</p> <ul style="list-style-type: none"> • Understand DW concepts including ETL and Multidimensional models • Install and configure end-end MSBI system • Implement end-to-end ETL system using SQL Server Integration Services and create reports using reporting services • Gain insight on Multidimensional model and its importance • Create multiple types of reports and visualizations using SSRS. • Understand the concept and need for ad-hoc reports • Apply Microsoft tools like Report Builder • Give an end-to-end picture how Microsoft BI suites various tools work • Integrate various BI tools to build a complete BI solution
Any certification aligned	
Course Outline	<p>SQL Server Integration Service- SSIS</p> <p>Learning Objectives - In this module, you will understand the need for an Integration tool and its significance in real world. You will learn the importance of SSIS as an integration tool and get a birds-eye-view of the overall architecture.</p> <p>Topics - Understand the Need of Business Intelligence Understand the MSBI Architecture, Import and Export wizard, Overview of SSIS Package Designer & Environment Installation of SQL Server and SSDT- BI</p> <ul style="list-style-type: none"> • Need for MSBI Process and Workflow Management • Control Flow and Data flow Tasks • Data Modeling Requirements • ETL with non-SQL Server sources • Variables and Dynamic SSIS Configurations • Advanced Control Flow Tasks • Error Handling and Event Handling • Incremental Data Load and Buffer Management • SSIS Transactions, Isolation Levels and Checkpoints • SCD, DQS and SCRIPT Operations • Custom SSIS Components (CHECKSUM) and Data Profiling • SSIS Catalog (SQL Server 2012) versus MSDB Deployments • SSIS Deployment Wizard and ISPAC Management • SSIS Tuning and Issue based Troubleshooting tips

SQL Server Reporting Services-SSRS

Learning Objectives - In this module, you will understand Reporting Services, its Architecture and how to configure it. You will also learn about the environment where reports are created and also about server where the reports are deployed.

Topics - Reporting Services Architecture & Lifecycle, Report Parameters and MultiValued, Cascading Drop down Parameters, Types of Reports: Table, Matrix, Sub Report, Chart Report (Bar, Pie, Line), Drill-Down Report, Drill Through Report, Creating Groups, Filters, Expressions Sort and Interactive Sort, Alternate Row Colors, Repeating Row Headers and Column Headers, Exporting Reports to different formats

- Reporting life Cycle and SSRS Workflow
- Report Filters and Dynamic Parameters
- Chart Based Reports
- List and Rectangle Reports
- Sub Reports and Linked Reports
- Gauges Reports and Dundas Report Control Operations
- Cube Reports with MDX and DAX
- Report Tuning and Schedules
- Report Caching, Refresh and Snapshot Options
- Data Driven Subscriptions
- Managing Reporting Services
- Report builder Applications
- Security Management
- Report Delivery and Hosting

Course ID: 0102

Course Overview

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Get expertise in SSIS & SSRS concepts and master them.

The course will give you the practical knowledge on Data Warehouse concepts and how these tools help in developing a robust end-to-end BI solution using the Microsoft BI Suite.

Registration and Enquiries

For registration and any other enquiries, please contact Big Data School at info@bigdataschool.ca or call us on **+1-647 948 9595**

Visit us on <https://www.bigdataschool.ca/>

About us

We are a team of independent consultants offering BI consulting and transformation solutions. With an average Industry experience of over 15 years and currently working on several cutting-edge technology projects on BI, we have extensive experience in BI projects across several industries such as Information Technology, Telecommunications, Finance, Insurance, Healthcare, Automobile, Energy etc.

We are experienced and certified BI corporate trainers providing Industry-standard training to several industry leaders.

Course design philosophy

We want to bring corporate quality and industry standard training to individuals seeking a career in BI.

Our courses are modelled based on extensive industry experience and cater to current Industry needs to provide relevant practical experience and real-time working knowledge.

For those looking to certify, the course has been designed specifically to help take the certification examination with ease. Also, the courses are designed with an ideal theory to practical ratio of 50:50, ensuring learning conceptual knowledge backed by practical applicable skills suited to make you an individual contributor at work from the first day.

The courses are delivered by professional trainers who offer corporate trainings to companies, and are working as consultants and architects on BI.

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