MSBI [2012/2016] Training Curriculum (SSRS | SSIS | SSAS)

STRUCTURE

MSBI Training Curriculum

"Learn Visualization along with SQL Server and Provide Best Solutions for Business Intelligence with MSBI Certification."

Course Objectives:

- Learn how to connect to multiple data sources and how to transform connected data.
- Learn how to create visualizations from data model, how to model data, how to establish relationships with connected data sources
- Learn how to Publish Reports, how to create ETL Process with SSIS, how to implement Data warehouse, how to enforce data quality, how to cleanse data, how to consume data in data warehouse.
- Learn how to perfume business intelligence on data models, how to use SSRS to create reports, how to use SSAS for data analysis.
- Prepare for the MSBI global certification exam and get recognition.
- Learn to apply for MSBI jobs at different platforms and get hired.

Course Description:

Today, the demand for SQL Server Business Intelligence professionals is increasing, and there is a real need for expertise in SSAS, SSIS and SSRS. Hence, with this training program, you can take up highly coveted Microsoft BI jobs and pass the MCSE: Business Intelligence Certification for a great future.

- Worldwide Business Intelligence and Analytics market to grow to $22.8 billion in revenue in the next two years – Gartner
- Average US Salary for a Microsoft BI Professional is $107,000 – Indeed

Microsoft Business Intelligence Training Provided by Croma Learning Campus makes you master Business intelligence and data mining tools. In this course, you will learn how to integrate, analyze, report the SQL server. MSBI course allows you to configure and use the business intelligence tools.

This training injects you the required knowledge on ETL Solutions, SSIS packages, OLTP, OLAP, how to configure SSRS, etc. With the MSBI tools, companies can make the right decisions and can implement their plans immediately. With the support of this training, you can succeed in the MSBI Certification exam.

All the Best!

Course Content:

Module 1: SQL Server Reporting Services (SSRS)

1. **SQL Server Reporting Services (SSRS)**
   - Overview of SQL Server Reporting Services
   - Installing Reporting Services
   - Reporting Services Tools

2. **Authoring Basic Reports**
   - Creating a Basic Table Report
   - Formatting Report Pages
   - Calculating Values

3. **Enhancing Basic Reports**
   - Interactive Navigation
   - Displaying Data

4. **Manipulating Data Sets**
   - Defining Reports Data
   - Using Parameters and Filters
   - Using Parameter Lists

5. **Using Report Models**
   - Creating Report Models
   - Using report Builder

6. **Publishing and Executing Reports**
   - Publishing Report
   - Executing Reports
   - Creating Cached Instances
   - Creating Snapshots and Report History

7. **Using Subscriptions to Distribute Reports**
   - Introduction to Report Subscription
   - Creating Report Subscriptions
   - Managing Report Subscriptions

8. **Administering Reporting Services**
   - Server Administration
   - Performance and Reliability Monitoring
   - Administering Report Server Databases
   - Security Administration

9. **Programming Reporting Services**
   - Querying for Server Information Using a Web Service
   - Automation Report Management
   - Rendering Reports
   - Creating Customs Code

10. **SQL Server**
    - Introduction to SQL Server
    - Introduction to T-SQL

- Constraints
- Joins
- Functions
- Views
- Indexes
- Stored Procedures
- Cursors
- Triggers

11. Difference Between Oracle & SQL Server
- SQL Queries

Module 2: SQL Server Integration Server (SSIS)

1. SQL Server Integration Server (SSIS)
- Overview of Integration Services Solutions
- Integration Services Tools

2. Developing Integration Services Solution
- Creating an Integration Services Solution
- Using Variables
- Building and Running a Solution

3. Implementing Control Flow
- Control Flow Tasks
- Control Flow Precedence Constraints
- Control Flow Containers

4. Implementing Data Flow
- Data Flow Sources and Destinations
- Data Flow Transformations
- Data Flow Paths

5. Implementing Logging Debugging and Error Handling
- Overview of Integration Services Logging
- Implementing Logging
- Debugging a Package
- Implementing Error Handling

6. Implementing Checkpoints & Transactions
- Implementing Checkpoints
- Implementing Transactions

7. Deploying Packages
- Package Configurations
- Deploying Packages

8. Managing and Securing Packages
- Managing Packages
- Securing Packages
- Scheduling Jobs

Module 3: SQL Server 2008 Analysis Services (SSAS)

1. SQL Server 2008 Analysis Services (SSAS)
- Overview of Data Analysis Solutions
- Overview of SQL Server 205 Analysis Services

2. Creating Multidimensional Analysis Solutions
- Developing Analysis Services Solutions
- Data Sources and Data Source Views

3. Working with Dimensions
- Configuring Dimensions
- Defining Hierarchies
- Sorting and Grouping Attributes
- Working with Measures
- Working with measure Groups

4. Analytical MDX
- Analytical MDX Introduction
- MDX Queries MDX vs. SQL
- MDX Stored Procedures
- Adding Calculations to a Cube

5. Customizing Cube Functionality
- Implementing Key Performance Indicator
- Implementing Actions
- Implementing Perspectives
- Implementing Translations

6. Deploying and Securing an Analysis Services Database
- Deploying an Analysis Service Database
- Securing an Analysis Services Database

7. Maintaining a Multidimensional Solution
- Configuring Processing Settings
- Logging, Monitoring and Optimizing an Analysis Services Solution
- Backing Up and Restoring an Analysis
- Services Database