COGNOS COURSE CONTENT

Overview of Cognos 8 BI
- ❖ Introduce Cognos 8 BI
- ❖ Describe IBM Cognos 8 BI components
- ❖ Describe IBM Cognos 8 architecture at a high level

Cognos 8 Installation and Configuration
- ❖ Components used by Cognos 8
  - ✓ Server Components
  - ✓ Modeling Components
- ❖ Installing Cognos 8
- ❖ Setting up the Environment
- ❖ Configuring Cognos 8
- ❖ Setting up Samples
- ❖ Uninstalling Cognos 8

Cognos 8 BI Admin
- ❖ Configuration of third party security at Cognos level
- ❖ Define IBM Cognos 8 groups and roles
- ❖ Assign the Roles to Users or Groups

Cognos 8 Framework Manager
- ❖ Introduction to Framework Manager
  - ✓ Framework Manager Basics
  - ✓ User Interface, Navigation, Objects
  - ✓ Planning the project and data model
  - ✓ Naming Conventions for objects in a project
- ❖ Designing Project
  - ✓ Create project
  - ✓ Importing Metadata
  - ✓ Exporting Metadata
  - ✓ Multi-user Modeling
  - ✓ Segmenting and Linking
  - ✓ Create Model Documentation
- ❖ Data Sources
  - ✓ Working with Data Source Connections
  - ✓ Create and Modify Data Sources
  - ✓ Improve Performance by setting Query Processing Type
- ❖ Preparing Relational Metadata for use in Reports
  - ✓ Verifying Relationships
  - ✓ Working with Dimensions
  - ✓ Working with Query Subjects
  - ✓ Working with Query Items
  - ✓ Supporting Multilingual Metadata
  - ✓ Adding Business Rules
  - ✓ Organizing the Model
- ❖ Making Metadata Available to Report Authors
  - ✓ Verify Model
  - ✓ Set Governors
  - ✓ Improving Performance
  - ✓ Create or Modify Package
  - ✓ Controlling access to Metadata
  - ✓ Explore Package
  - ✓ Publish Package
  - ✓ Guideline for Modeling Metadata
  - ✓ Scenarios
  - ✓ New Objects - Determinants, Regular Dimensions, Measure

Dimensions, Scope Relationship-Dimensional Modeling of Relational Data Sources

Cognos 8 Query Studio
- ❖ Introduction to Query Studio
- ❖ Create Reports (List, Grouped List, Crosstab, Charts)
- ❖ Changing the Appearance of Reports (Format)
- ❖ Sorting and Grouping
- ❖ Filters and Prompts
- ❖ Subtotals and Calculations
- ❖ Run and Manage Reports
- ❖ Drill Through reports

Cognos 8 Report Studio
- ❖ Introduction to Report Studio
  - ✓ Report Studio User Interface
  - ✓ Creating, Save and Run Reports
  - ✓ Report Templates
  - ✓ Managing Reports
- ❖ Formatting a Report
  - ✓ Report Layout Guidelines
  - ✓ Fonts, Styles, Header, Footer and Borders
  - ✓ Insert objects
  - ✓ Apply Table Styles
  - ✓ Swap Columns and Rows
- ❖ Create Additional Advanced Reports
  - ✓ create a report that displays summarized data before detailed data
  - ✓ highlight alternate rows in a list report
  - ✓ use single data items to summarize report information
  - ✓ save reports to server file system
  - ✓ Drill-through Reports
  - ✓ Drill-up/Drill-down Reports
  - ✓ Master-Detail Reports
  - ✓ Scheduling Reports
- ❖ Working with Data
  - ✓ Filters, Parameters and Prompts
  - ✓ Sorting and Grouping
  - ✓ Subtotals and Calculations
  - ✓ Working with Queries
- ❖ Create Query Models
  - ✓ build query models and then connect them to the report layout
  - ✓ add filters and prompts to a report using the query model
  - ✓ edit an SQL statement to author custom queries
- ❖ Create Advanced Dynamic Reports
  - ✓ filter reports on session parameter values
  - ✓ navigate a briefing book using a table of contents
  - ✓ create dynamic headers and title that reflect report data
  - ✓ let users navigate to specific locations in reports
  - ✓ create a customer invoice report

Cognos PowerPlay Transformer
- ❖ Transformer Fundamentals
  - ✓ Discuss the basics of OLAP analysis
  - ✓ Review Transformer capabilities and its role in IBM Cognos 8 BI
  - ✓ Discuss Transformer components
  - ✓ Define categories and members
- ❖ Transformer Development Process
- ❖ Data Sources in Transformer
- ❖ Building a Model
- ❖ Define Dimensions, Levels and Measures
- ❖ Time Dimensions, Relative Time

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❖ Types of Security
- ✓ Data Level
- ✓ Objective Level
- ✓ Package level

❖ SQL Generated by Cognos 8
- ✓ Understanding Dimensional Queries
- ✓ Resolving Ambiguously Identified Dimensions and Facts
- ✓ Resolving Queries that should not have been split
- ✓ Resolving Queries that are split in the wrong place

Cognos 8 Connection
- ❖ Examine Cognos Connection
- ❖ Run and view reports
- ❖ View the run history of a report
- ❖ Organize content with folders and shortcuts
- ❖ Customize report outputs by using report views
- ❖ Schedule single and multiple reports
- ❖ Personalize Cognos Connection
- ❖ Creation of Portal pages
- ❖ Design Effective Prompts
  - ✓ control report displays using prompts
  - ✓ specify conditional formatting values using prompts
  - ✓ create a report that formats based on prompts selection
  - ✓ create a sorted and filtered report based on prompt selection

❖ Currency Conversion
❖ Create Power Cube
❖ Advanced Dimensional Modeling
❖ Applying Security
❖ Drill Through
❖ Optimizing PowerCubes
❖ Deployment of PowerCubes to the Cognos Connection

Cognos 8 Analysis Studio
- ❖ Introduction to Analysis Studio
- ❖ Creating a Basic Analysis
- ❖ Working with data in Crosstab
- ❖ Exploring Data
- ❖ Limiting Data
- ❖ Calculating Data
- ❖ Sharing Data