

## Overview of Cognos 8 BI

- Introduce Cognos 8 BI
- Describe IBM Cognos 8 BI components
- Describe IBM Cognos 8 architecture at a high level
- Define IBM Cognos 8 groups and roles
- Explain how to extend IBM Cognos8

## 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 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

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- Explore Package
  - Publish Package
- Guideline for Modeling Metadata
  - Scenarios
  - New Objects - Determinants, Regular Dimensions, Measure Dimensions, Scope Relationship
  - Dimensional Modeling of Relational Data Sources
- 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
- Optimizing PowerCubes
- Deployment of PowerCubes to the Cognos Connection

### **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

### **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
- 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