

Aceindus IT Training

COGNOS BI

Overview of Cognos 10 BI

- Introduce Cognos 10 BI
- Examine the different studios in Cognos 10 BI
- Identify the different data sources within the studios

Cognos 10 Installation and Configuration

- Components used by Cognos 10
- Server Components
- Modeling Components
- Installing Cognos 10
- Uninstalling Cognos 10

New features in Cognos 10 BI

Business Insight

Business Insight Advanced

Active Reports

Manage External Data

Statistical reports

Cognos 10 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

Query Studio

Introduction to Query Studio

- List the packages available for reporting
- Understand report types
- Add and save data to ad hoc reports
- View data by using charts

Create Reports in Query Studio

- Create list, grouped list, and crosstab reports
- List the charts available and their appropriate use
- Calculate and sort report data
- Define a custom group to create your own report
- Use shared dimensions to create multi-fact queries

Enhance Reports in Query Studio

- Highlight report items using conditional styles
- Focus the scope of a report using filters

- Format report objects
- Apply a report template

Report Studio

• Introduction to the Reporting Application

- o discuss different modes of reporting
- o examine Report Studio and its interface
- o explore different report types
- o create a simple, sorted, and formatted report
- o explore how data items are added to queries

• Create List Reports

- o group, format, and sort list reports
- o describe options for aggregating data
- o create a multi-fact query
- o create a report with repeated data

• Focus Reports Using Filters

- o create filters to narrow the focus of reports
- o examine detail and summary filters
- o determine when to apply filters on aggregate data

• Create Crosstab Reports

- o format and sort crosstab reports
- o create complex crosstabs using drag and drop functionality
- o create crosstabs using unrelated data items

• Present Data Graphically

- o create charts containing peer and nested columns
- o present data using new chart type options
- o add context to charts
- o present key data in a single dashboard report

• Focus Reports Using Prompts

- o identify various prompt types
- o use parameters and prompts to focus data
- o search for prompt types
- o navigate between pages

• Extend Reports Using Calculations

- o create calculations based on data in the data source
- o add run-time information to the reports
- o create expressions using functions

• Design Effective Reports

- o enhance report design with report objects
- o reuse objects within the same report
- o share layout components among separate reports

• Customize Reports with Conditional Formatting

- o create multi-lingual reports
- o highlight exceptional data
- o show and hide data
- o conditionally render objects in reports
- o conditionally format one crosstab measure based on another

- **Drill-Through from One Report to Another**
 - o let users navigate from a specific report to a target report
 - o pass parameter values to filter the data in drill-through targets
 - o navigate through multiple reports
- **Drill-through Definitions**
 - o discuss parameter-driven drill through
 - o discuss dynamic drill through
 - o set up package-based drill-through definitions
 - o set scope
 - o use the Drill Through Assistant
- **Manage Content in IBM Cognos Connection**
 - o schedule and manage reports
 - o view lineage information
 - o organize content
 - o examine IBM Cognos Connection personal preferences
 - o set alerts and watch rules
 - o design a portal page and dashboard
 - o set permissions using IBM Cognos 10 BI groups and roles
- **Examine the Report Specification**
 - o examine the report specification structure
 - o save and edit reports locally
 - o discuss considerations for modifying a report specification
- **Create Query Models**
 - o build query models and then connect them to the report layout
 - o add filters and prompts to a report using the query model
 - o edit an SQL statement to author custom queries
- **Create Reports Based on Query Relationships**
 - o create reports by merging query results
 - o create reports by joining queries
 - o combine data containers based on relationships from different queries
- **Distribute Reports Through Bursting**
 - o distribute reports using bursting
 - o create burst keys
 - o identify report recipients and data items using burst tables
 - o distribute reports using email and IBM Cognos Connection
- **Create Advanced Dynamic Reports**
 - o filter reports on session parameter values
 - o navigate a briefing book using a table of contents
 - o create dynamic headers and title that reflect report data
 - o let users navigate to specific locations in reports
 - o create a customer invoice report
- **Design Effective Prompts**
 - o control report displays using prompts
 - o specify conditional formatting values using prompts
 - o create a report that formats based on prompts selection
 - o create a sorted and filtered report based on prompt selection

- **Create Additional Advanced Reports**

- o create a report that displays summarized data before detailed data
- o highlight alternate rows in a list report

Analysis Studio

Analysis Studio Fundamentals

- Define the fundamental terms of Analysis Studio
- Explain how to insert objects
- Define and create sets
- Identify the work area, overview area, and properties pane

Tools for Investigation in Analysis Studio

- Employ drilling down and up to different levels of detail
- Apply changes to rows, columns, and measures in the analysis
- Explain how to change the display of data
- Use charts to display data graphically

Nest Data in Crosstabs in Analysis Studio

- Apply depth to rows and columns by nesting data
- Recognize drill behavior in nested rows and columns
- Demonstrate how to swap nested levels

Build Advanced Crosstabs in Analysis Studio

- Demonstrate how to view a complete level of data
- Design a crosstab without retrieving data
- Compare multiple measures
- Apply stacked sets to the crosstab
- Construct an asymmetrical crosstab
- Compose a custom sort

Focus with Filters in Analysis Studio

- Apply filters using expressions
- Apply filters using the Context area
- Create top and bottom lists
- Use several techniques to remove rows and columns

Framework Manage (Metadata Modeling)

- o Introduction to Framework Manager
- o Framework Manager Basics
- o User Interface, Navigation, Objects
- o Designing Project
- o Create project
- o Importing Metadata
- o Exporting Metadata
- o Create Model Documentation
- o Data Sources
- o Working with Data Source Connections
- o Create and Modify Data Sources
- o Improve Performance by setting Query Processing Type
- o Preparing Relational Metadata for use in Reports
- o Verifying Relationships

- o Working with Dimensions
- o Working with Query Subjects
- o Working with Query Items
- o Supporting Multilingual Metadata
- o Adding Business Rules
- o Organizing the Model
- o Making Metadata Available to Report Authors
- o Verify Model
- o Set Governors
- o Improving Performance
- o Create or Modify Package
- o Controlling access to Metadata
- o Explore Package
- o Publish Package
- o Guideline for Modeling Metadata
- o Scenarios
- o New Objects - Regular Dimensions, Measure Dimensions, Scope Relationship
- o Dimensional Modeling of Relational Data Sources

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