

DATAWAREHOUSE – BUSINESS OBJECTS (BO) COURSE CONTENT

1. Introduction

- Datwarehouse concepts
- Difference between Versions 5.x/6/5/XI R1, R2, R3
- Business objects XIR3 Suite
- Extendibility of Business objects XIR3 (Introduction to BO- SAP Intergration/Dashboard/Xcelsius/Query as Web Service)
- Role of Business objects in Data warehousing real time life cycle.

2. Designer

- Understanding how universes allow users to query databases using their everyday business terms
- Creating an ODBC connection to the course database
- Creating a universe
- Populating the universe structure
- Defining joins in a universe
- Understanding classes and objects
- Creating classes and objects
- Understanding measure objects
- Working with LOVs in Designer
- Creating a cascading LOV
- Resolving loops using aliases
- Resolving loops using shortcut joins
- Resolving loops using contexts
- Resolving chasm traps
- Resolving fan traps
- Restricting the data returned by objects
- Using @ Functions

- Working with hierarchies
 - Using derived tables
 - Creating links between universes
 - Setting access restrictions on a universe
 - Documenting universes
 - Deploying and maintaining universes
3. Advanced Designer
- Use your universe design and Business Objects Universe Designer knowledge to solve Business problems
 - Define aggregate awareness
 - Apply aggregate awareness to objects
 - Combine database functions in objects
 - Construct relative data-time objects
 - Create complex predefined conditions
 - Work with advanced LOVs
 - Work with advanced join syntaxes
 - Define connection and user credential parameters
 - Work with Central Management Server (CMS) universe security
 - Move content from development to production
 - Maintain universe design
 - Work with OLAP universes
4. Designing Topics We can Show by using Following Databases
- Oracle
 - Ms-Access
 - SqlServer
 - TeraData
 - External Files (Flat files)
 - SAP BW
5. Desktop Intelligence:
- Introduction to desktop intelligence
 - Report Creation
 - Publishing the report
 - Report conversation (desktop) to (Webi)

6. Web Reporting

- Accessing information with Web Intelligence
- Understanding how universes allow you to query database using everyday business terms
- Understanding Web Intelligence core functionalities
- Creating a document in the Web Intelligence Rich Client
- Viewing a Web Intelligence document in Info View
- Building a simple query
- Modifying a document query
- Working with query properties
- Restricting data with query filters
- Modifying a query with a predefined query filter
- Applying a single-value query filter
- Using prompts to restrict data
- Using complex filters
- Working in the Report Panel
- Displaying data in tables and charts
- Using breaks and cross tabs
- Formatting break, calculations, and report filters
- Formatting breaks and cross tabs
- Using default and custom sorts
- Ranking data to see top or bottom values
- Using alerter to highlight information
- Organizing a report into sections
- Copying data to other applications
- Preparing document for PDF and print
- Document formatting
- Formatting charts
- Understanding formulas and variables
- Understanding how Web Intelligence calculates data
- Creating formulas and variables to calculate data
- Adding a new query using a personal data provider
- Creating multiples queries in a document

- Synchronizing data with merged dimensions
 - Analyzing the data cube
 - Drilling into the data
 - Setting Web Intelligence drill options
 - Exporting documents from the Rich Client
 - Accessing Info View
 - Managing documents in Info View
 - Scheduling a Web Intelligence document
 - Setting Info View preference
7. Advanced Webi reporting
- Using combined queries
 - Using sub-queries
 - Creating a query based on another query
 - Changing data sources
 - Understanding the impact of the query drill on performance
 - Understanding calculation contexts
 - Redefining calculation context
 - Using character string functions
 - Using the replace () function
 - Using the right () function
 - Using the Substring () function
 - Using the Pos () function
 - Using If () to group data
 - Using data tracking
 - Using additional report function
 - Understanding the options for creating hyperlinks in Web Intelligence
 - Creating hyperlinks in the different Web Intelligence interfaces
8. Webi rich client
- Web Intelligence Rich Client general preferences
 - To create a new document in Web Intelligence Rich Client without Universe
 - To select a universe in Web Intelligence Rich Client
 - How does Web Intelligence generate combined queries?
 - Scope of analysis

- Levels of scope of analysis
 - To set the scope analysis
9. Query as Web service
- Usage of Query as web service
 - How to configure and use
 - Viewing the Universe and Webi reports using web service
 - Viewing the Crystal XCelsius reports using web service
10. Introduction to Dashboard
11. Creating Dashboards
12. Contents
- What is Dashboard Builder?
 - Creating an Analytic based on a Universe Query
 - Creating a Corporate Dashboards folder
 - Creating a pie chart based on sales of product lines
 - Selecting data for the pie chart
 - Saving your pie chart
 - Creating a bubble chart that compares product line sales to Revenues
 - Selecting data for the bubble chart
 - Saving your bubble chart
 - Scheduling an Analytic Refresh
 - Scheduling a refresh on your bubble chart
 - Designing a Corporate Dashboard
 - Analytics in dashboards
 - Set the dashboard preferences
 - Creating a dashboard
 - Add a text analytic to the dashboard
 - Creating a speedometer gauge that shows profit margins
 - What is a speedometer?
 - Getting Started Creating Dashboards
 - Selecting the data for the speedometer
 - Creating a dashboard tab that contains analytics
 - Creating a dashboard sub tab with web page and viewer analytics
 - Creating a sub tab

- Adding a web page analytic to the sub tab
- Adding a viewer to the dashboard sub tab

13. Data source Migration

- Migrating reports and data sources
- Migration options
- Modifying the migration setting

14. Import Wizard / Report Conversation

- Using Import wizard
- Creating of BIAR
- Migrating the BO objects from one CMS to another CMS
- Migrating the objects from one domain to another (dev/stage/Prod)

15. Publishing

- Publish the Webi report between different CMS
- Publish the converted reports (deski to webi) to destination servers
- Publishing the repository objects

16. CMC/CCM/CMS

- Introduction of Window and web based Central management in BOXIR3
- Roles and responsibilities of Contents of CCM/CMS/CMC
- When to use CCM/CMS/CMC
- Detail description of contents of CCM/CMS/CMC
- Case study

17. BO-SAP INTEGRATION

- Understanding common interfaces between BOXIR3 and SAP
- Installation and Integration methods
- Bring the SAP environment in to BOXIR3 and vice versa
- Working with SAP objects in Crystal 2008 (Info cubes/SAP Table)

18. Crystal Report 2008

- Introduction to Crystal Reports
- Creating Reports
- Selecting Records
- Organizing Data on Reports
- Formatting & Section Formatting
- Creating basic and complex formulas

- Using Variables and Arrays
- Using Report Templates
- Applying Conditional Reporting
- Building parameterized and specialized reports
- Summarizing Data with Cross Tabs
- Using Report Sections
- Representing Data Visually
- Managing Reports
- Distributing Reports
- Using Repository and Repository data sources
- Report Processing
- Using sub Reports
- Using Custom Functions
- How to Publish Crystal Report in Bo-Enterprise Portal
- Scheduling

19. CRYSTAL XCELSIUS

- Understanding crystal xcelsius
- Creating templates
- Building query template in xcelsius
- Creating scorecard and dashboard using xcelsius

20. BO-VOYAGER

- Understanding Voyager
- Creation of personal and corporate voyager
- Publishing the voyager
- Importing cubes in voyager & Report Development

21. Bo-Administration

- Computer setup
- Business Objects Enterprise Architecture
- Creating Folders, Users and groups
- Publishing and configuring the servers
- Scheduling

22. Topic on Report Conversion Tools