

# SAP – 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. Webi 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 Creating Dashboards 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
11. Data source Migration
- Migrating reports and data sources
  - Migration options
  - Modifying the migration setting

## 12. 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)

## 13. Publishing

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

## 14. 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

## 15. 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)

## 16. 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

#### 17. CRYSTAL XCELSIUS

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

#### 18. BO-VOYAGER

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

#### 19. Bo-Administration

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

#### 20. Topic on Report Conversion Tools

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