IBM Cognos Cube Designer - Design Dynamic Cubes (v11.0)

```
Course#:B6063G
Duration:2 Days
Price:1800.00
```

Course Description

This course provides participants with introductory to advanced knowledge of how to model metadata for predictable reporting and analysis results using IBM Cognos Cube Designer. Participants will learn the full scope of the metadata modeling process, from initial project creation, to publishing a dynamic cube, and enabling end users to easily author reports and analyze data.

Learning Journeys that reference this course:

 IBM Cognos Analytics 11.x

Objectives

Please refer to course overview

Audience

Data Modelers

Prerequisites

Knowledge of dimensional modeling and design. Experience using the IBM Cognos Analytics portal and Administration.

Content

1: Introduction to IBM Cognos Dynamic Cubes
 Define and differentiate Dynamic Cubes
 Dynamic Cubes characteristics
 Examine Dynamic Cube requirements
 Examine Dynamic Cube components
 Examine high level architecture

IBM Cognos Dynamic Query
Review Dimensional Data Structures
Dynamic Cubes caching

2: Create and design a Dynamic Cube
Explore the IBM Cognos Cube Designer
Review the cube development process
Examine the Automatic Cube Generation
Manual development overview
Create dimensions
Model the cube
Best practice for effective modeling

3: Deploy and configure a Dynamic Cube
Deploy a cube
Explore the Estimate Hardware Requirements
Identify cube management tasks
Examine Query Service administration
Explore Dynamic Cube properties
Schedule cube actions
Use the DCAdmin comment line tool

4: Advanced Dynamic Cube modeling
Examine advanced modeling concepts
Explore modeling caveats
Calculated measures and members
Model Relative Time
Explore the Current Period property
Define period aggregation rules for measures

5:Advanced features of Cube Designer
Examine multilingual support
Examine ragged hierarchies and padding members
Define Parent-Child Dimensions
Refresh Metadata
Import Framework Manager packages
Filter measures and dimensions

6: Optimize performance with aggregates
 Identify aggregates and aggregate tables
 In-memory aggregates
 Use Aggregate Advisor to identify aggregates
 User defined in-memory aggregates
 Optimize In-Memory Aggregates automatically
 Aggregate Advisor recommendations
 Monitor Dynamic Cube performance
 Model aggregates (automatically vs manually)
 Use Slicers to define aggregation partitions

7: Define Security
 Overview of Dynamic Cube security
 Identify security filters
 The Security process - Three steps
 Examine security scope
 Identify scope rules
 Identify roles
 Capabilities and access permissions
 Cube security deep dive

8: Model a virtual cube
 Explore virtual cubes
 Create the virtual cube
 Explore virtual cube objects
 Examine virtual measures and calculated members
 Currency conversion using virtual cubes
 Security on virtual cubes

A: Introduction to IBM Cognos Analytics (Optional)
 Define IBM Cognos Analytics
 Redefined Business Intelligence
 Self-service
 Navigate to content in IBM Cognos Analytics
 Interact with the user interface
 Model data with IBM Cognos Analytics
 IBM Cognos Analytics components
 Create reports

Perform self-service with analysis and Dashboards

IBM Cognos Analytics architecture (high level)

IBM Cognos Analytics security

Package / data source relationship

Create Data modules

Upload files