

Course Outline:

1. Introduction to IBM Cognos Dynamic Cubes

- Differentiate Dynamic Cubes
- Dynamic Cubes Characteristics
- Dynamic Cube Requirements
- Dynamic Cube Components
- High Level Architecture
- IBM Cognos Dynamic Query
- Dimensional Data Structures
- Dynamic Cubes Caching

2. Create and Design a Dynamic Cube

- IBM Cognos Cube Designer
- Cube Development Process
- 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
- Estimate Hardware Requirements
- Cube Management Tasks
- Query Service Administration
- Dynamic Cube Properties
- Schedule Cube Actions
- Use the DCAdmin Comment Line Tool

4. Advanced Dynamic Cube Modeling

- Advanced Modeling Concepts
- Modeling Caveats

- Calculated Measures and Members
- Model Relative Time
- Explore the Current Period Property
- Period Aggregation Rules for Measures

5. Advanced Features of Cube Designer

- Multilingual Support
- Ragged Hierarchies and Padding Members
- Parent-Child Dimensions
- Refresh Metadata
- Import Framework Manager packages
- Filter Measures and Dimensions

6. Optimize Performance with Aggregates

- 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
- Security Scope
- Scope Rules
- 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

9. Introduction to IBM Cognos Analytics

- 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