



IBM TRAINING

Ibm Cognos Cube Designer Design Dynamic Cubes V11

Master IBM Cognos Cube Designer V11 to efficiently design and manage dynamic cubes, transforming your data analysis capabilities.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This intermediate-level course, "IBM Cognos Cube Designer Design Dynamic Cubes V11," is meticulously crafted for Business Intelligence professionals and data modelers eager to master the advanced capabilities of IBM Cognos Analytics. You will delve deep into the IBM Cognos Cube Designer environment, learning to build and manage highly scalable dynamic cubes that deliver unparalleled query performance and real-time analytical insights from vast datasets. The curriculum emphasizes practical application, ensuring you gain hands-on experience in leveraging this powerful technology to transform complex data into actionable intelligence. This course covers everything from understanding dynamic cube architecture and connecting to diverse data sources to designing sophisticated dimensions, measures, and hierarchies.

Level	Intermediate
Vendor	IBM

COURSE CURRICULUM

01 Module 1: Introduction to Dynamic Cubes and Cube Designer

- Overview of IBM Cognos Analytics and Dynamic Cubes
- Understanding Dynamic Cube Architecture and Components
- Exploring the Cognos Cube Designer Interface
- Comparing Dynamic Cubes with Traditional OLAP Cubes
- Best practices for when to use Dynamic Cubes

02 Module 2: Data Sources and Core Cube Design

- Establishing Data Source Connections (Relational Databases)
- Creating Data Source Views and Query Subjects
- Designing Dimensions and Hierarchies
- Defining Levels and Attributes within Dimensions
- Implementing Time Dimensions and Calendar Structures

03 Module 3: Measures, Calculations, and Member Properties

- Defining Measures and Measure Folders
- Creating Calculated Measures and Derived Measures
- Implementing Time-Series Calculations (e.g., Year-to-Date, Moving Averages)
- Working with Custom Member Properties and Display Folders
- Advanced Measure Scoping and Aggregation Rules

04 Module 4: Performance Optimization and Aggregation Strategies

- Understanding In-Memory Aggregates and Aggregate Advisor
- Designing and Implementing Aggregate Tables
- Optimizing Cube Performance through Partitioning
- Utilizing the Query Rewrite Engine
- Monitoring and Tuning Dynamic Cube Performance

05 Module 5: Cube Deployment, Security, and Administration

- Publishing Dynamic Cubes to Cognos Analytics
- Configuring Cube Security (Data Security, Object Security)
- Managing Cube Groups and Cube Scalability
- Troubleshooting Dynamic Cube Deployment and Runtime Issues
- Best practices for Dynamic Cube Maintenance and Lifecycle Management

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **IBM Cognos BI Developer specializing in OLAP and Data Modeling**
- > **Enterprise Data Architect focused on Analytical Data Stores**
- > **Senior Business Intelligence Analyst with expertise in large-scale data visualization**

FREQUENTLY ASKED QUESTIONS

Q: What prior experience or knowledge is recommended before enrolling in the IBM Cognos Cube Designer Design Dynamic Cubes V11 course?

To get the most out of this intermediate-level course, participants should have a foundational understanding of data warehousing concepts, dimensional modeling, and SQL. Prior exposure to IBM Cognos Analytics reporting or basic administration is highly beneficial, as the course focuses on advanced cube design rather than introductory BI concepts.

Q: How will mastering IBM Cognos Dynamic Cubes V11 specifically improve my capabilities in handling large-scale business intelligence challenges?

Mastering Dynamic Cubes V11 will equip you with the ability to design high-performance, scalable analytical solutions that can process massive volumes of data in-memory. This directly translates to significantly faster query response times for end-users, even with complex analyses, empowering organizations to make real-time, data-driven decisions from vast datasets without compromising performance.

Q: What is the primary advantage of Dynamic Cubes over traditional OLAP cubes in the context of IBM Cognos Analytics V11, as taught in this course?

The primary advantage of Dynamic Cubes, a core focus of this course, lies in their ability to provide on-demand, in-memory aggregation of data directly from relational data sources, offering superior performance and scalability for large, frequently changing datasets. Unlike traditional pre-processed OLAP cubes, Dynamic Cubes leverage run-time aggregation and sophisticated caching mechanisms, allowing for more agile data exploration and analysis with minimal latency, especially beneficial for 'big data' analytical scenarios.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke