



Enterprise Computing Solutions - Education Services

## OFERTA FORMATIVA

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## Essentials for IBM Cognos Analytics (v11.0)

<b>CÓDIGO:</b>	<b>DURACIÓN:</b>	<b>Precio:</b>
B6070G	32 Hours (4 días)	€2,100.00

### Description

This accelerated offering is intended for core project team members wanting to acquire a broad understanding of IBM Cognos Analytic platform implementation. During the ILT segments, participants will perform hands-on demonstrations and exercises that cover three essential topic areas: modeling, report authoring, and administration of IBM Cognos Analytics. During the WBT portion of the course, students will be required to complete 16.5 hours of eLearning (6 WBTs and 1 recording).  
eLearning:

- B5130G - IBM Cognos for Microsoft Office: Integrate with Microsoft Office (v10.1/10.2)
- B5231G - IBM Cognos BI Event Studio: Create and Manage Agents (v8.4/10.1)
- B5169G - IBM Cognos Transformer: Create PowerCubes (v10.1)
- B6088G - IBM Cognos Analytics for Consumers (v11.0)
- B6089G - IBM Cognos Analytics: Create Dashboards (v11.0)
- B6090G - IBM Cognos Analytics: Create Data Modules (v11.0)
- B6091G - IBM Cognos Analytics: Departmental Administration (v11.0)

### Objetivos

Please refer to course overview.

### Público

Core Project Team members

- Project Managers
- Technical Analysts
- Developers

### Requisitos Previos

- Knowledge of common industry-standard data structures and design.
- Experience with SQL
- Experience gathering requirements and analyzing data.
- Knowledge of Web application server architectures
- Security systems administration
- Knowledge of your business requirements
- Experience using the Windows operating system
- Experience using a web browser

### Programa

- 1: Introduction to IBM Cognos Analytics
  - Describe IBM Cognos Analytics and its position within an analytics solution
  - Describe IBM Cognos Analytics components
  - Describe IBM Cognos Analytics at a high level
  - Explain how to extend IBM Cognos Analytics
- 2: Identifying common data structures
  - Define the role of a metadata model in Cognos Analytics
  - Distinguish the characteristics of common data structures
  - Understand the relative merits of each model type

- Examine relationships and cardinality
  - Identify different data traps
  - Identify data access strategies
- 3: Defining requirements
- Examine key modeling recommendations
  - Define reporting requirements
  - Explore data sources to identify data access strategies
  - Identify the advantages of modeling metadata as a star schema
  - Model in layers
- 4: Creating a baseline project
- Follow the IBM Cognos and Framework Manager workflow processes
  - Define a project and its structure
  - Describe the Framework Manager environment
  - Create a baseline project
  - Enhance the model with additional metadata
- 5: Preparing reusable metadata
- Verify relationships and query item properties
  - Create efficient filters by configuring prompt properties
- 6: Modeling for predictable results: Identifying reporting Issues
- Describe multi-fact queries and when full outer joins are appropriate
  - Describe how IBM Cognos uses cardinality
  - Identify reporting traps
  - Use tools to analyze the model
- 7: Modeling for predictable results: Virtual star schemas
- Understand the benefits of using model query subjects
  - Use aliases to avoid ambiguous joins
  - Merge query subjects to create as view behavior
  - Resolve a recursive relationship
  - Create a complex relationship expression
- 8: Modeling for predictable results: consolidate metadata
- Create virtual dimensions to resolve fact-to-fact joins
  - Create a consolidated modeling layer for presentation purposes
  - Consolidate snowflake dimensions with model query subjects
  - Simplify facts by hiding unnecessary codes
- 9: Creating calculations and filters
- Use calculations to create commonly-needed query items for authors
  - Use static filters to reduce the data returned
  - Use macros and parameters in calculations and filters to dynamically control the data returned
- 10: Implementing a time dimension
- Make time-based queries simple to author by implementing a time dimension
  - Resolve confusion caused by multiple relationships between a time dimension and another table
- 11: Specifying determinants
- Use determinants to specify multiple levels of granularity and prevent double-counting
- 12: Creating the presentation view
- Identify the dimensions associated with a fact table
  - Identify conformed vs. non-conformed dimensions
  - Create star schema groupings to provide authors with logical groupings of query subjects
- 13: Creating Analysis objects
- Apply dimensional information to relational metadata to enable OLAP-style queries
  - Sort members for presentation and predictability
  - Define members and member unique names
  - Identify changes that impact a MUN
- 14: Introduction to IBM Cognos Analytics - Reporting
- Examine IBM Cognos Analytics - Reporting and its interface
  - Explore different report types
  - Create reports in preview or design mode
  - Create a simple, sorted, and formatted report
  - Examine dimensionally modelled and dimensional data sources
  - Explore how data items are added queries
  - Examine personal data sources and data modules
- 15: Creating list reports
- Group, format, and sort list reports
  - Describe options for aggregating data
  - Create a multi-fact query
  - Create a report with repeated data
- 16: Focusing reports using filters
- Create filters to narrow the focus of reports
  - Examine detail filters and summary filters
  - Determine when to apply filters on aggregate data

## 17: Creating crosstab reports

- Format and sort crosstab reports
- Create complex crosstabs using drag and drop functionality
- Create crosstabs using unrelated data items

## 18: Present data graphically

- Create charts containing peer and nested columns
- Present data using different chart type options
- Add context to charts
- Create and reuse custom chart palettes
- Introduce visualization
- Present key data in a single dashboard report

## 19: Focusing Reports Using Prompts

- Identify various prompt types
- Use parameters and prompts to focus data
- Search for prompt types
- Navigate between pages

## 20: Extend reports using calculations

- Create calculations based on data in the data source
- Add run-time information to the reports
- Create expressions using functions

## 21: Customizing reports with conditional formatting

- Create multi-lingual reports
- Highlight exceptional data
- Show and hide data
- Conditionally render objects in reports
- Conditionally format one crosstab measure based on another

## 22 Drill-through definitions

- Discuss parameter-driven drill through
- Discuss dynamic drill through
- Set up package-based drill-through definitions
- Set scope
- Use the Drill Through Assistant

## 23 Introduction to IBM Cognos BI Administration

- IBM Cognos Analytics enterprise components
- Role of the Administrator in relation to the IBM Cognos Analytics administration workflow process
- Role of IBM Cognos Administration and IBM Cognos Configuration

## 24 Identifying IBM Cognos architecture

- The features of the IBM Cognos Analytics architecture
- The three architectural tiers
- IBM Cognos Analytics servlets and services
- The default servlet container and alternatives to its use
- An example of IBM Cognos Analytics request processing
- Installation options
- Load balancing mechanisms
- Configuration options
- The IBM Cognos Application Firewall

## 25: Securing the IBM Cognos Analytics environment

- Identify the IBM Cognos Analytics security model
- Define authentication in IBM Cognos Analytics
- Define authorization in IBM Cognos Analytics
- Identify security policies
- Secure the IBM Cognos Analytics environment

## 26: Managing run activities

- Manage current, upcoming and past activities
- Manage schedules
- Enable and disable schedules
- Set queue priority for schedules
- Suspend a schedule until a later time

## 27: Managing content in IBM Cognos Administration

- Add a data source
- Distribute data and create a distribution list
- Add visualizations to the Library
- Plan and perform a deployment
- Identify how to maintain the IBM Cognos Analytics content store
- Configure saving content outside of the content store
- Customize the appearance of IBM Cognos Analytics using styles
- Use portlets to display custom Web content

## **Fechas Programadas**

A petición. Gracias por [contactarnos](#).

## **Información Adicional**

Esta formación también está disponible en modalidad presencial. Por favor [contáctenos](#) para más información.