



COGNOS TRAINING

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COGNOS 8 BI METADATA MODELING - PART 1

Cognos 8 BI Metadata Modeling - Part 1 is a three-day, instructor-led course that provides participants with introductory knowledge on how to model metadata with Framework Manager using Cognos modeling recommendations as a modeling strategy. Initially, participants will review generic modeling structures and techniques as a foundation for the rest of the course. They will then be introduced to basic modeling concepts and naming conventions in the Framework Manager environment, followed by more complex concepts and techniques to resolve reporting traps. Throughout the course, participants will model both operational and star schema metadata for predictable results, as well as create dimensional business views to be used for OLAP style querying. Finally, they will import, manage, and publish OLAP data sources. This course is a prerequisite to Cognos 8 BI Metadata Modeling - Part 2, which covers more advanced modeling topics.

Overview of Cognos 8 BI

- Review Corporate Performance Management
- Introduce Cognos 8 BI
- Examine the different studios in Cognos 8 BI
- Identify the different data sources within the studios
- Highlight key capabilities of Cognos 8 BI

Identify Common Data Structures

- Examine the characteristics of operational databases and databases designed for reporting
- Examine relationships and cardinality
- Identify different data traps
- Examine OLAP data sources

Introduction to Framework Manager

- Define Framework Manager and its purpose
- Describe the Framework Manager environment
- Examine the Cognos 8 and Framework Manager Workflow processes
- Examine the Framework Manager user interface

Prepare Metadata in Framework Manager

- Verify and modify query item properties and relationships to control the presentation of data and ensure expected results
- Customize metadata for a multilingual audience
- Customize metadata for runtime to dynamically control the data returned

Model for Predictable Results in Framework Manager

- Identify reporting traps
- Identify the advantages of modeling as a star schema
- Define how Cognos 8 treats cardinality
- Use the metadata modeling recommendations to model an operational data source
- Implement a time dimension
- Specify determinants

Create Business Views in Framework Manager

- Add a relational business view to the model using star schema groupings
- Create a call center application using a stored procedure query subject
- Create an organizational reporting business view by resolving a recursive relationship
- Add a dimensionally modeled relational business view to the model to enable OLAP style queries

Set Security in Framework Manager

- Examine the Cognos 8 security environment
- Restrict access to packages
- Create and apply security filters
- Restrict access to objects in the model



THE NEXT LEVEL OF PERFORMANCE™

Model a Star Schema Data Source

- Use the metadata modeling recommendations and other techniques to model a dimensional data source (star schema)

Manage OLAP Data Sources

- Connect to an OLAP source in a Framework Manager project
- Publish an OLAP model
- Publish a model with multiple OLAP sources
- Publish a model with an OLAP source and a relational source

INTENDED AUDIENCE

This course is intended for data modelers.

PREREQUISITES

- Knowledge of your business requirements
- Experience using basic Windows functionality
- Knowledge of SQL and data modeling
- Cognos 8 BI Report Authoring – Part 1 (recommended)

LET US HELP YOU

We believe an effective training program reduces the time it takes for users to learn and adopt new technology and will lead to greater satisfaction overall. Whether you choose to attend public training, deliver your own training, or require customized training that reflects your business, let Cognos Training Services assist you in developing comprehensive and economical training plans to meet these needs. To learn more or find a Training Services contact near you, visit <http://support.cognos.com/training/>.



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