























IBM Cognos Education

IBM Cognos Framework Manager: Design Metadata Models (v10.1)

Framework Manager - Quick Glossary	
Namespace	IBM Cognos container for organizing model objects and uniquely qualifying them (allows you to have objects of the same name in different namespaces)
Query Subject	<ul style="list-style-type: none"> Reporting object in IBM Cognos (three types): Data source: maps to a corresponding object in the data source and uses a modifiable SQL statement to retrieve the data Model: maps to existing metadata in the model Stored procedure: executes a database stored procedure to retrieve or update the data
Query Item	Reporting object contained within a query subject and usually maps to one or more corresponding objects in the data source
Relationship	Connection that explains how the data in one query subject relates to the data in another
Fact (query subject)	A query subject that typically contains measurable items and is recognized as a fact table by the IBM Cognos query engine based on cardinality (on the many side of a one-to-many relationship)
Dimension (query subject)	A query subject that typically contains descriptive information and is recognized as a dimension table by the IBM Cognos query engine based on cardinality (on the one side of a one-to-many relationship)
Conformed Dimension	Data source, such as a table in a database, containing descriptive attributes and corresponding names, meanings, and values that have been agreed to across the enterprise
Multi-Fact Query	Two or more facts from across the business are related to each other in a query through one or more conformed dimensions
Stitch Query	An IBM Cognos term used to describe the process of merging data together in a multi-fact query.
Regular Dimension	An IBM Cognos query object that contains descriptive and business key information and organizes the information in a hierarchy, from the highest level of granularity to the lowest allowing for OLAP-style queries
Measure Dimension	A collection of measures (typically facts) for OLAP-style queries
Scope Relationship	Exists between measure dimensions and regular dimensions to define the level at which measures are available for reporting
Project vs. Model vs. Package	<ul style="list-style-type: none"> Project - a set of files used to define your Framework Manager model Model - query objects defined by the modeler in the project Package - all or a subset of query objects published to IBM Cognos Connection for use by authors and business analysts
Parameter Map	A two-column table, mapping a set of keys (source) to a set of substitution values (target) and can be based on manually entered values or existing query items in the project

Icons			
	Namespace		Update Stored Procedure Query Subject
	Folder		Query Subject Containing Measures
	Data Source		Query Item - Measure
	Package		Query Item - Identifier
	Parameter Map		Query Item - Attribute
	Calculation		Regular Dimension
	Filter		Hierarchy
	Shortcut		Level
	Data Source Query Subject		Measure Dimension
	Model or Stored Procedure Query Subject		Measure

Modeling Recommendations	
1.	Define reporting requirements and data access strategies
2.	Import only required reporting objects in a phased approach and alter as little as possible
3.	Verify relationships and query item properties
4.	Model in freehand to identify query usage
5.	Use model query subjects to control query generation and usage and to consolidate metadata
6.	Customize metadata for run time
7.	Specify determinants as required
8.	Resolve multiple ambiguous joins between query subjects
9.	Create analysis objects if OLAP-style querying is required
10.	Create the business view as a set of star schema groupings