

# P8252 IBM Cognos TM1 - Design and Develop Models (V10.2)

## Course Overview

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This is a 5-day class

This course will teach modelers how to build a complete model in TM1. Through a series of lectures and hands-on exercises, you will learn how to create and customize dimensions and cubes, import and link data, and build and maintain applications.

## Other Prerequisites

Basic knowledge of OLAP and TM1 Significant experience with Excel spreadsheets (functions, macros, etc.) Understanding of the metrics and drivers of your business.

## Course Outline

### 1 Overview of IBM Cognos TM1

- Review financial performance management
- Identify the TM1 position in a performance management system
- Describe the IBM Cognos TM1 components and architecture
- Explore IBM Cognos TM1 applications
- Explore the IBM Cognos TM1 environment
- Manage and organize a model

### 2 Create and Customize Dimensions

- Review cubes, dimensions, and elements
- Create dimensions manually
- Import dimensions
- Edit dimensions
- Create dimension calculations
- Use Guided Import to create a dimension

### 3 Create and Customize Cubes

- Construct a new cube
- Discuss cube properties
- Edit a cube structure
- Review and use a pick list
- Create cube calculations

### 4 Import Data

- Identify data sources
- Create processes to load data
- Create a process to delete data in a cube
- Create processes to update and maintain the model

### 5 Share Data Across Cubes with Links

- Discuss and list types of links
- Create and modify links
- Review rule- and process-based links

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## 6 Complete the Income Statement Model

Discuss the model development process  
Complete objects for the model  
Review tools to aid in model development

## 7 Create Applications

Explain the application types  
Access an IBM Cognos TM1 application  
Create a new application  
Set the available clients  
Apply security in the application  
Activate and de-activate an application

## 8 Additional Modeling Techniques

Create dynamic subsets  
Use dimension functions  
Implement business logic  
Improve cube performance  
Use TM1 utilities

## 9 Convert Currencies

Discuss currency challenges  
Review control cubes  
Create rules for currency conversion  
Use TM1 techniques to reduce maintenance

## 10 Model Data with Architect

Describe IBM Cognos TM1 Architect  
Record MDX queries  
Customize drill-through paths

## 11 Model for Different Fiscal Requirements

Discuss time considerations  
Use discrete time dimensions  
Implement a continuous time dimension model