

i2 Demand Manager v6.2 Level II

February 2006



Summary

Solution Type:	SCM
Industry:	General
Product(s)/Template(s):	i2 Demand Manager
Target Audience:	Functional Implementers (Business Lead / i2 Lead) Technical Implementers (Super User / Application Engineer)
Delivery Method:	Instructor-Led Training
Training Approach:	Lecture, Demo & Hands-on
Duration:	3 days
Version:	6.2

Description

This course focuses on the technical aspects of creating and maintaining a Demand Manager database using the Administrator tools for Demand Manager software. Students will learn about the Demand Manager distributed and scalable architecture. Scenarios covered during the training are - sizing, creating, loading & maintaining a Demand Manager database (connected to both a Relational as well as Demand Planner database). Training will also include user and security administration and troubleshooting. Finally, students will be able to start the Demand Manager servers and start using the system by connecting their web-clients to the servers. This course consists of instructor lectures, demonstrations, and technically intensive exercises.

Content

This course is composed of the following modules:

Module 1: DM Functional Overview and Review of key terminology

Module 2: DM Technical Architecture

Module 3: Creating a DM Database

Module 4: Monitoring, Maintenance, Realignment, Database Performance Tuning and Sizing

Prerequisites

- **i2 Demand Manager v6.2 Level I Training - Required**
- Basic PC knowledge and skills, including MS Windows™ and web browsers
- Basic knowledge of statistical forecasting principles and techniques
- Practical knowledge of relational database principles
- Some programming experience is useful
- Practical knowledge of relational database principles include SQL

- **i2 Supply Chain Management Overview WBT– Recommended**
- **i2 <Industry> SCM Solution Overview WBT – Recommended**
- **i2 Demand Manager Functional ILT (v6.2) - Required**

Day – By – Day

Day 1 – DM Functional Overview and DM Technical Architecture

- Describe the typical inputs and outputs of a forecasting system.
- Define the characteristics of hierarchy, levels, and views.
- Describe the characteristics of database and non-database measures and; given a measure, identify it as a database or non-database measure.
- Login to the DM Training Database and navigate through Explorer and basic DM functions
 - a) Creating Scopes and Sessions so that a user only sees the data set that a user wants to work with to support a specific step in the demand planning process.**
 - b) Session and Database Refresh**
 - c) Creating your own custom Views from the UI using Custom Hierarchies feature**
- Discuss DM Architecture from a detailed standpoint
- Discuss about the Concept of Components and Containers
- Discuss in detail all the components used by DM and their relevance
- Discuss the DM Deployment scenario and connections to external sources of data
- Create the necessary Dimensions, Views, Levels and Members for the **DM Technical Case Study for Cola Beverages Case Study**

Day 2 – Creating a DM Database

- Discuss in detail the installation workflow for Demand Manager.
- Discuss the directory structure and relevant files used by Demand Manager
- Discuss about the critical XML files required by DM during Metadata Database creation
 - **create.xml**
 - **xdstargets.xml**
 - **load.xml**
 - **users.xml**
 - **customgroups.xml**
 - **domains.xml**
 - **usersecurity.xml**
 - **curtime.xml**
 - **iolevels.xml**
 - **i2DM.xml**

Day 3 – DM Admin User Interface used for Database Monitoring, Maintenance, Realignment, Tuning and Sizing

- Review Database Monitoring tasks performed on a frequent basis by Super Users and Admin using the Demand Manager Admin User Interface
- Discuss in detail Database Maintenance tasks
- Discuss Realignment of Metadata and corresponding XML scripts that need to be executed will be reviewed.

- Discuss User Interface Batch operation tasks performed by Admin
- RDBMS database tuning and parameters to be considered for fine tuning Databases will also be discussed
- Database sizing template and impact on RAM will be reviewed