



Summary

Solution Type:	SCM
Industry:	All
Product(s)/Template(s):	Supply Chain Planner
Target Audience:	All Team Members (Business Lead, Technical Lead, Super User, Project Manager, Application Engineer, etc.)
Delivery Method:	Instructor-Led Training
Training Approach:	Lecture, Demonstration and Hands-on Exercises
Duration:	4 days
Version:	6.2 Web User Interface

Description

This course presents SCP modeling, the user interface, and major functionalities of various i2 solution templates in the 6.2 release. First the common SCP functionalities are covered, followed by modeling exercises that are relevant to different types of industries. Different solution template planning algorithms are covered as well as a comparison between them. Different template functionalities are presented with business description, scenario and test case dataset. The last part of the course involves running several test cases covering unique functionality for a particular industry. Each student may choose for which industry they wish to run test cases.

Content

This course contains the following modules:

Module 1: Master Planning Introduction

Module 2: Master Planning Modeling

Module 3: Template Functionalities

Prerequisites

Basic PC knowledge and skills, including MS Windows™

Course Objectives

On completion of this course, the student will be able to:

- Describe the Role of SCP in the Supply Chain Management footprint
- Navigate through the SCP Web User Interface and review the different reports in the SCP Web User Interface (Inventory Report, Demand Report, Supply Chain Navigator, Capacity Report, Operation Plans Report, etc.)
- Describe the major SCP models and their hierarchy
- Describe the material, capacity, and time constraints and their characteristics
- Hands – on exercises on material, time, capacity constraints
- Define how individual inventory points, operations, and capacity constraints are modeled using SCP and review them from the user interface
- Describe the characteristics of different industry templates and their planning algorithms
- Given a set of business requirements for a company, create conceptual supply chain models with associated attributes
- Converse about the specified functionalities of a particular template. Do hands – on testcases on the feature functionalities of a particular template.

Day by Day Agenda

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| Day 1 | <ul style="list-style-type: none">• Overview of Supply Chain Management (SCM) and where does Supply Chain Planner fit in within the bigger picture of SCM. Paper pencil exercise to walk through the different products which comprise the SCM Suite.• Overview of the SCM 6.2 Integration Architecture and the steps required to Startup the SCP Engine. Detailed exercises to walk through the SCP 6.2 Web User Interface, basic features and characteristics of the UI including the Problem Analysis Report, Inventory Report, Capacity Report, Operation Plans Report, Demand Report, KPI reports etc. Also features of SCP client (For Example: Filtering, report customizations, etc.) |
| Day2 | <ul style="list-style-type: none">• Main SCP model descriptions, purposes and graphical representation. Describe the SCP modeling philosophy. Identify the SCP Master Planning (MP) static models and their hierarchy. Associate symbols with the MP static models and define each MP static model• SCP Material Constraints - Buffer flow policies and their application to business scenarios. Understand major buffer flow policies and how they are used to model different business scenarios• SCP Time Constraints - Operation process extension selectors and their application to business scenarios. Understand major process extension selectors and how they are used to model different business scenarios. |

Day3

- SCP capacity Constraints - Bucketized capacity and its application to business scenarios. Understand capacity buffers and how they are used.
- Conceptual modeling of a supply chain. Given a set of business requirements for a company, create or modify a conceptual model.
- Different industrial models and solution template.
- High level description of what is a Template and the different characteristics of each Template
- Characteristics of the LpOPT solver in SCP
- Characteristics of the MAP solver in SCP
- Characteristics of the SIGMA solver in SCP

Day4

- Conceptual Supply chain modeling (specific to each template)
- Depending on the template chosen by each student, they will run several scenarios demonstrating the use of the specific solver in SCP to address specific business issues and requirements of a particular Solution Template.