



Oracle SCM Cloud: Supply Planning Implementation

Student Guide
D99804GC10

Copyright © 2025, Oracle and/or its affiliates.

Disclaimer

This document contains proprietary information and is protected by copyright and other intellectual property laws. The document may not be modified or altered in any way. Except where your use constitutes "fair use" under copyright law, you may not use, share, download, upload, copy, print, display, perform, reproduce, publish, license, post, transmit, or distribute this document in whole or in part without the express authorization of Oracle.

The information contained in this document is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

Restricted Rights Notice

If this documentation is delivered to the United States Government or anyone using the documentation on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

Trademark Notice

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

Third-Party Content, Products, and Services Disclaimer

This documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

210605202525B

Contents

1 Supply Planning Overview

Objectives 1-2

Defining Supply Planning 1-3

Reviewing Capabilities of Supply Planning 1-5

 Reviewing Capabilities of Planning Modules 1-6

 Reviewing Capabilities in Supply Planning 1-7

 Plan Supply 1-8

 Monitor Supply Chain Performance 1-10

 Respond to Changing Conditions 1-11

 Integrate Planning and Execution 1-12

 Analysis 1-13

 Simulation 1-14

Key Business Flows 1-15

Summary 1-17

2 Defining and Managing a Supply Plan

Objectives 2-2

Defining a Supply Plan: Overview 2-3

Setting Supply Plan Options 2-5

 Setting Supply Plan Options: Plan Header 2-6

 Setting Supply Plan Options: Scope 2-7

 Setting Supply Plan Options: Supply 2-13

 Setting Supply Plan Options: Demand Cutoff Parameters 2-14

 Setting Supply Plan Options: Supply 2-15

 Setting Supply Plan Options: Supply: Organizations and Schedules Tab 2-19

 Setting Supply Plan Options: Supply: Measure Levels 2-21

Managing a Plan: Options for Running Supply Plans 2-22

 Manage Plan: Options for Running Supply Plans 2-23

 Plan Types in Different Work Areas 2-24

Practice: 2-1 2-25

Summary 2-26

3 Planning Buckets and Forecast Processing

Objectives 3-2
Planning Buckets 3-3
Forecast Processing 3-8
Summary 3-23

4 Backward Scheduling and Planning Time Fence

Objectives 4-2
Backward Scheduling and Order Dates 4-3
Planning Time Fence Constraint 4-11
 Planning Time Fence 4-12
 Planning Time Fence and Natural Time Fence 4-14
 Planning Time Fence 4-15
Summary 4-16

5 Requirements Explosion for Make Items and Make Orders

Objectives 5-2
Requirements Explosion for Make Items 5-3
Planning for Make Orders 5-8
 Plan Multiple Outputs from a Discrete Manufacturing Work Definition 5-19
 Planning for Make Orders 5-20
Summary 5-22

6 Resource Calendars and Utilization

Objectives 6-2
Resource Calendars and Resource Utilization 6-3
Summary 6-12

7 Scheduling Buy Orders and Supplier Capacity

Objectives 7-2
Schedule Buy Orders 7-3
 Scheduling Buy Orders 7-4
Supplier Capacity 7-8
Summary 7-15

8 Interorganization Transfers

Objectives 8-2
Using Inventory Management 8-3
Planning 8-4
Planned Transfer Order Date Scheduling 8-6
Planning Transfer Scheduling 8-7

Calendars 8-8
Buy and Sell Interorganization Transfers 8-10
Expense Destination Transfers 8-12
Summary 8-13

9 Reservations and Safety Stock Planning Overview

Objectives 9-2
Reservations 9-3
Overview of Safety Stock Planning 9-9
 Safety Stock Planning: Overview 9-10
 Safety Stock Planning: Plan Options 9-12
 Safety Stock Planning: View Safety Levels in Plans 9-13
Summary 9-14

10 Simulating and Analyzing Plan Changes

Objectives 10-2
Simulation Flow in Supply Planning 10-3
Supply Planning Predefined Views 10-5
Simulating Changes to Supplies and Demands 10-7
 Simulate Changes to a Variety of Attributes 10-9
 Adding Demands and Supplies 10-10
 Simulating Changes to Supplies and Demands 10-11
Simulating Changes to Items and Item Structures 10-12
 Simulating Changes to Items 10-13
 Editable Item Attributes in Supply Planning 10-14
 Plan Inputs - Items 10-15
 Simulation Set Updates 10-16
 Saving What-If Simulation Changes 10-17
 Item Simulation Sets 10-18
 Editable Attributes 10-19
 Editable Item Structures and Component Attributes 10-20
Simulating Changes to Resources and Work Definitions 10-21
 Simulating Manufacturing Routing Definitions and Resource Capacity 10-23
 Routing and Routing Resources Edits 10-24
 Resource Availability Simulation Set Edits 10-25
 Resources, Routings, and Routing Resources 10-26
Simulating Changes to Suppliers 10-27
 Lead-time Recommendations - Suppliers Variances 10-29
Interactive and Batch Simulation Run Options 10-30
 Analyze Impact of In-Plan Edits 10-32
 Analyze Impact of Simulation Set Edits 10-33

Interactive and Batch Simulation Run Options 10-34
Comparing Orders 10-35
Demonstration: 10-1 10-37
Summary 10-38

11 Using Build Plan

Objectives 11-2
Build Plan Overview 11-3
Build Plan Example 11-4
Build Plan User Flows 11-5
Build Plan Create Criteria 11-6
Configure Build Plan 11-7
Build Plan Results Displayed 11-11
Manage Criteria 11-12
Manage Layouts 11-13
Select Any Measure in Layout 11-14
Additional Features 11-15
Highlight Related Fields 11-16
Build Plan Rules 11-17
Create Build Plan Rule 11-18
Create Build Plan Rule – Specify Item Criteria 11-19
Create Build Plan Rule – Specify Resource Criteria 11-21
Build Plan Rule – Manage Rules 11-23
Build Plan Rule Results 11-25
Build Plan Rule Drill To Example 11-26
Demonstration: 11-1 11-27
Summary 11-28

12 Performing Advanced Plan Analysis in Supply Planning

Objectives 12-2
Using Pegging Analysis 12-3
 Pegging Analysis Overview 12-4
 Example Uses of Pegging Analysis 12-5
 Initial View 12-6
 Create Pegging Criteria 12-7
 New Pegging Criteria 12-8
Ready to Build Analysis 12-9
 Ready-to-Build Analysis Overview 12-10
 Calculating Ready-to-Build 12-12
Demonstration: 12-1 12-13
Summary 12-14

13 Managing Exceptions

- Objectives 13-2
- Seeded Exceptions and Recommendations 13-3
 - Seeded Supply Planning Exceptions 13-4
 - Exceptions 13-5
- Exception Summary and Detail Views 13-15
 - Exception Summary and Detail Views Overview 13-16
 - Exception Summary and Detail Views Item Exception Summary 13-17
 - Exception Summary and Detail Views Resource Exception Summary 13-18
 - Exception Summary and Detail Views Customer Exception Summary 13-19
 - Exception Summary and Detail Views Supplier Exception Summary 13-20
- Managing Seeded and User Defined Exceptions 13-21
 - Managing Exceptions 13-22
- Demand Fulfillment Analysis 13-24
 - Demand Fulfillment 13-25
- Practice: 13-1 13-28
- Summary 13-29

14 Configuring Analytics for Supply Planning

- Objectives 14-2
- Supply Planning Default Measures and Hierarchies 14-3
 - Dimension Catalog 14-4
 - Measure Catalog 14-6
- Supply Planning Seeded Tables and Graphs 14-7
 - Seeded Tables and Graphs 14-8
- Using Seeded OTBI Reports and Creating User Defined Reports 14-9
 - Real-Time Reporting 14-10
 - Real-Time Reporting – Dimensions 14-12
 - Real-Time Reporting – Hierarchies 14-13
 - Real-Time Reporting – Measures 14-14
 - Real-Time Reporting 14-15
 - Real-Time Reporting – Navigation to Other Views 14-16
- Integrating Spreadsheets 14-17
- Summary 14-20

15 Interaction with Other Supply Chain Cloud Modules

- Objectives 15-2
- Integrated Demand and Supply Plans 15-3
 - Integrated Demand and Supply Plans Overview 15-4
 - Integrated Demand and Supply Plans Work Area and Plan Options 15-5
 - Integrated Demand and Supply Plans Comparison with Supply Plans 15-6

Integrated Demand and Supply Plans Demand Schedules	15-7
Integrated Demand and Supply Plan Access and Combine Demand and Supply Plan Information for Analysis and Planning	15-8
Integrated Demand and Supply Plans Replan After User Changes	15-9
Demand and Supply Planning in Configure to Order (CTO) Environment	15-10
Demand and Supply Planning in a CTO Environment Overview	15-11
Demand and Supply Planning in a CTO Environment Plan Options	15-12
Demand and Supply Planning in a CTO Environment Using Forecasted Planning Percentages	15-13
Demand and Supply Planning in a CTO Environment Representation of Planning Percentages in Supply Planning	15-15
Demand and Supply Planning in a CTO Environment User Changes to Planning Percentages	15-16
Demand and Supply Planning in a CTO Environment Results of Forecast Explosion in Supply Planning	15-17
Demand and Supply Planning in a CTO Environment Implementation Considerations	15-18
Integrating with Sales and Operations Planning Cloud	15-21
Integrating with Sales and Operations Planning: Overview	15-22
Integrating with Sales and Operations Planning: Copy Measures	15-23
Integrating with Sales and Operations Planning: Sales and Operations Planning Plan Options	15-24
Integrating with Sales and Operations Planning: Supply Plan Options	15-25
Integrating with Supply Chain Collaboration Cloud	15-26
Integrating with Supply Chain Collaboration Cloud: Overview	15-27
Integrating with Supply Chain Collaboration Cloud: Associating Supply Plans with Collaboration Plans	15-28
Integrating with Supply Chain Collaboration Cloud: Publish Order Forecast	15-29
Integrating with Supply Chain Collaboration Cloud: Viewing Collaboration Plans	15-30
Integrating with Supply Chain Collaboration Cloud: Making Supply Commits	15-31
Integrating with Supply Chain Collaboration Cloud: Receiving Supply Commits into the Supply Plan	15-32
Integrating with Supply Chain Collaboration Cloud: Implementation Considerations	15-33
Summary	15-34

16 Releasing Orders to Execution

Objectives 16-2

Releasing Orders to Oracle Cloud Applications 16-3

Release Recommendations 16-4

Release Recommendations: Supply Planning 16-5

Release Recommendations: Eligible Actions 16-6

Release Recommendations: Eligible Updates from Planning 16-7

Release Recommendations: Automatic Release of a Plan 16-8

Release Recommendations: Manual Release of Planned Orders
and Reschedules 16-9

Release Recommendations: Verification 16-10

Release Recommendations 16-11

Release Recommendations for Non Sales Order / Drop Ships 16-12

Releasing Orders to External Source Systems 16-13

Setting Supply Plan Options: Supply: General Tab 16-22

Summary 16-24

17 Sizing and Troubleshooting Supply Planning

Objectives 17-2

Sizing Considerations for Supply Planning 17-3

Sizing Considerations 17-4

Implementation Tips and Best Practices 17-5

Troubleshooting Tips and Best Practices 17-6

Summary 17-8

