

Global Order Promising: -

Sale order → item → 10 → 27/03/2025

Schedule: Identifying the source → org- stock/supplier- buy item/make item for example: org : 001

Sourcing rules: based on the sourcing it is identifying the source.

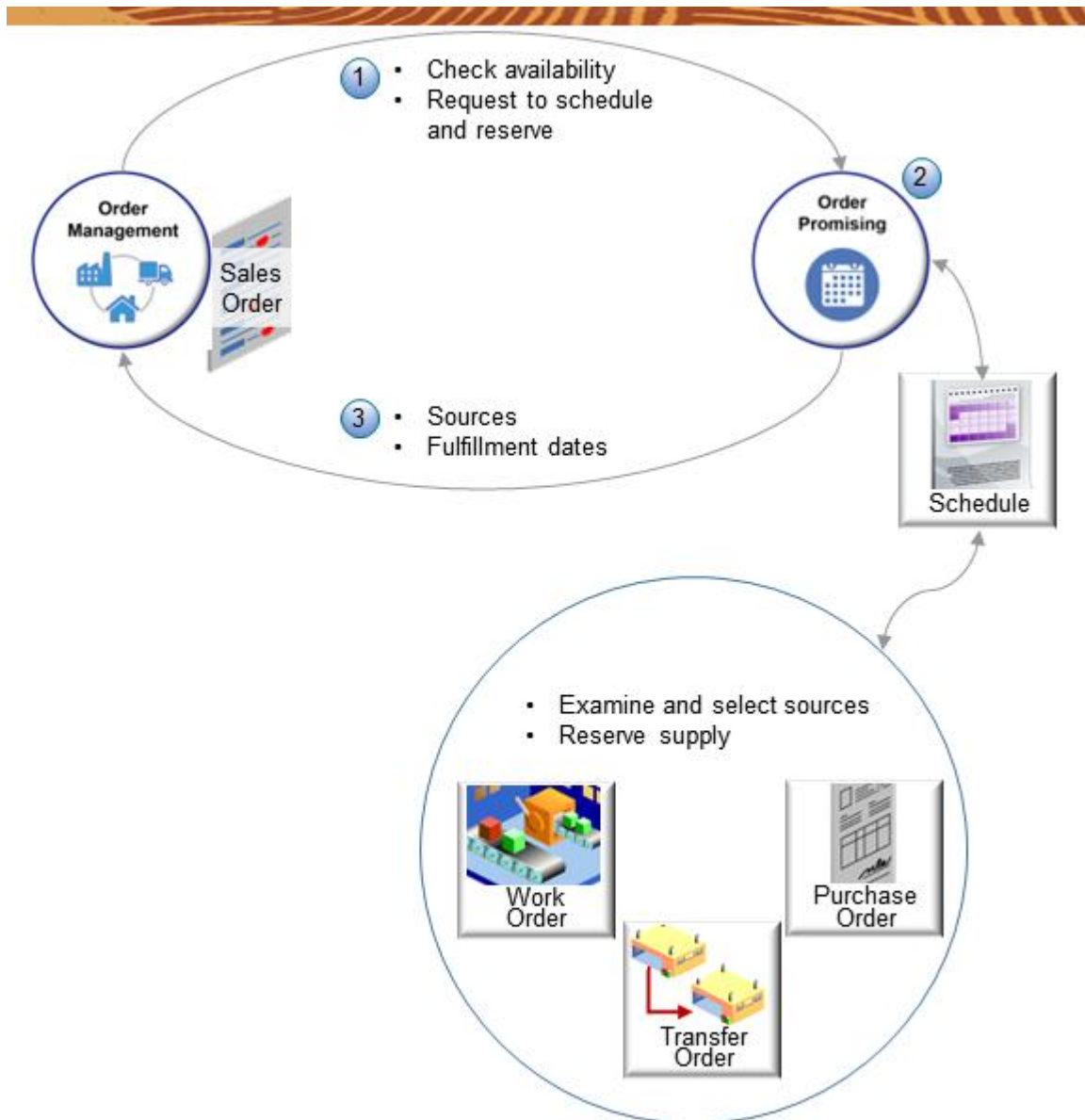
ATP Rules → SSD of the item → 27/03/2025 /(supplier → 5 days)→ SSD 31/03/25

Reserve the Items

Oracle Global Order Promising is an application that helps you fulfil sales orders by the requested date for items that you receive from your ordering application, such as Oracle Order Management.

Promising considers the supply that is or might be available in your entire supply chain, including suppliers, factories, distribution centres, and warehouses.

Assume you sell an item named the AS54888 Desktop Computer. You place a sales order in Order Management for the AS54888 with a requested delivery date of March 10.



1. Order Management sends a request that includes these details to Promising. The request might be to check and see whether the item is available, or to schedule and reserve the item for fulfillment.
 2. Promising uses its schedule to look at a variety of sources that can fulfil demand within the date that Order Management requested, depending on how you set it up. For example, it can try to get supply from:
 - Work orders that create supply for the item in manufacturing
 - Transfer orders that transfer supply between organizations when that supply already exists
 - Purchase orders that purchase supply for the item from a supplier
 3. Promising sends supply details to Order Management, including the source that will supply the item, fulfillment dates, and so on.
- Promising can do this in different ways, depending on how you set it up:
- Select from a variety of fulfillment locations.
 - Use an available-to-promise rule that you create to consume on-hand supply that already exists in your supply chain, inventory that's in transit, or to get supply through a purchase

order, transfer order, or through a planned order that Promising receives from Supply Planning.

- Use a capable-to-promise rule that you create to build supply that doesn't already exist in your supply chain. Capable-to-promise is the capacity to build inventory that isn't currently available in your supply chain.
- Substitute the ordered item with another item.
- If there isn't enough supply to fulfill the item from a single location, then Promising can split the order line according to location, time, substitution.

Make Your Supply Chain Flexible and Resilient

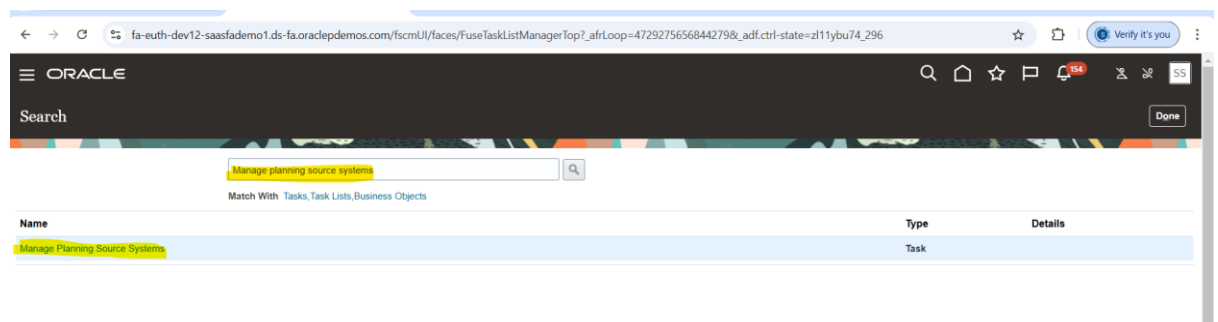
The below configurations we will discuss under GOP

Manage Planning Source Systems
Collect Planning Data (Source System (OPS) -> Destination System (OPS))
ATP Rule
Sourcing Rule - Transfer from (SO), Buy (DP), Make (ATO)
Profile option (MSC_SRC_ASSIGNMENT_CATALOG)
Sourcing Assignment
Manage Administrator Profile Values (MSP_DEFAULT_ASSIGNMENT_SET)
Refresh and Start the Order Promising Server

1. Manage Planning Source Systems: -

We have to add our shipping organization under source system called OPS.

Source	Destination
OPS	OPS (Fusion applications)



The screenshot shows the 'Manage Organization List: OPS' window in Oracle Fusion SCM. The window has a search bar at the top with a 'Search' button. Below the search bar are three filter sections: 'Organization' (Starts with), 'Enable for Collections' (Equals), and 'Organization Type' (Equals). To the right of these filters are 'Search' and 'Reset' buttons. Below the filters is a 'Search Results' section with a 'Refresh Organization List' button. The main table displays a list of organizations with the following columns: Organization, Name, Organization Type, Enable for Collections, Parent Organization, and Modeled Subinventory Code for Child Organization. The table lists organizations like BM1, ORA_BM_CPQ, HC1, ATG2, EX9, ATG1, OPS, JDE1, LEG1, and LEG2.

Organization	Name	Organization Type	Enable for Collections	Parent Organization	Modeled Subinventory Code for Child Organization
000	Operations		<input checked="" type="checkbox"/>		
0009	Manchester IO		<input type="checkbox"/>		
001	Seattle		<input checked="" type="checkbox"/>		
001BLRIO	001BLR Inventory ...		<input checked="" type="checkbox"/>		
001MO	001BLR Master Org		<input checked="" type="checkbox"/>		
002	Atlanta		<input checked="" type="checkbox"/>		
003	Chicago		<input checked="" type="checkbox"/>		
004	Boise		<input checked="" type="checkbox"/>		

2. Collect Planning Data (Source System (OPS) -> Destination System (OPS))

We are collecting the data from source system to the destination system.

Destination OPS

To collect the information from the source system, we will run the program

After running the program, the data moves from normal tables to planning tables shown below.

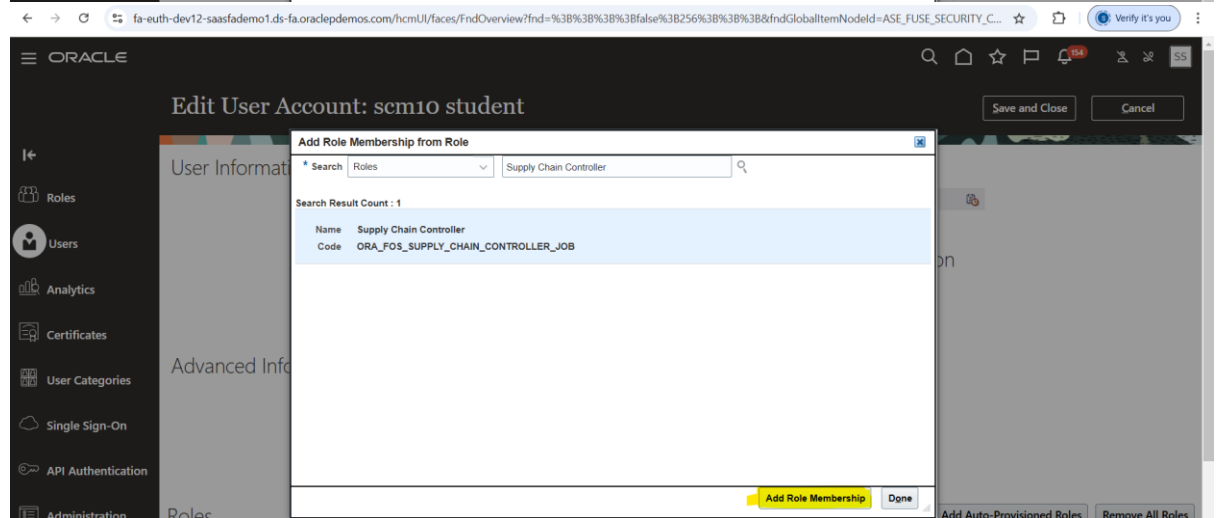
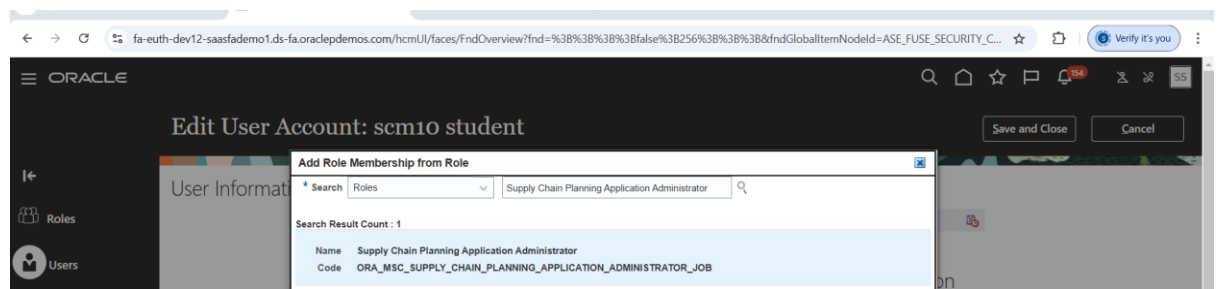
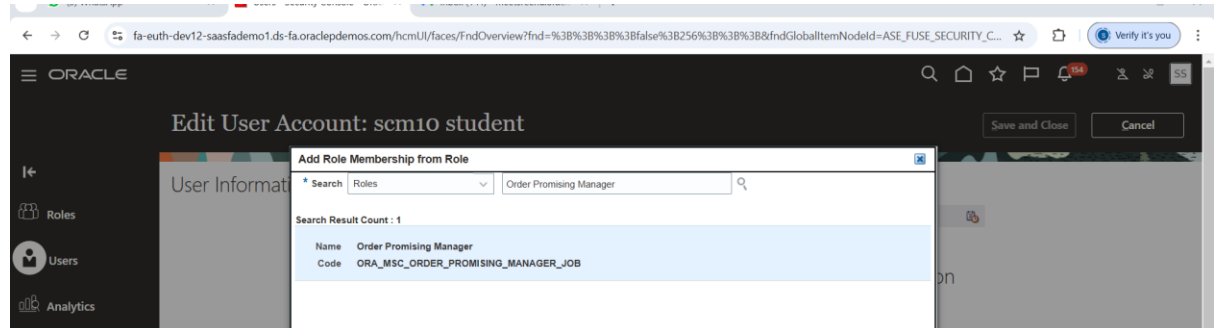
EGP_System_Items_B -> Collections-> MSC_EGP_System_Items_B (Planning tables)

GOP Roles Required:

Order Promising manager

Supply chain Planning Application Administrator

Supply chain Controller



Add the roles.

The navigation for the Global order promising is shown below.

Good evening, scm10 student

Risk Management Subscription Management Contract Management **Order Management** Supply Chain E

QUICK ACTIONS

- Manage Price Lists
- Manage Discount Lists
- Manage Shipping Charge Lists
- Manage Customer Pricing Profiles
- Manage Pricing Segments

APPS

- Pricing Administration
- Order Management
- Global Order Promising**
- Service Logistics
- Create Sales Order (New)
- Sales Orders (New)

Global Order Promising

Page Layout: Order Promising Summary

Overview

- Schedule Performance**: 99%
- Late Demand Count**: 63
- Late Demand Value**: 2.6M
- Financial Performance**: 99.2%

Demand Line Count over Time

Scheduling Performance by Demand Line Requested Date

Order Promising Rules

- Manage ATP Rules
- Manage Supply Allocation Rules
- Manage Sourcing Rules
- Manage Bills of Distribution
- Manage Real-Time Supply Update Rules
- Manage Assignment Sets
- Collect Planning Data**
- Load Planning Data from Files
- Maintain Supply Network Model
- Review Planning Calendars
- Review Planning Calendar Association
- Manage Planning Data Collection Profile

Configuration

- Manage Planning Measures
- Manage Planning Profile Options
- Order Promising Options
- Manage Planning Attributes

Click on Collect Planning Data,

Here I have selected all the reference data from Source system to destination system. Similarly add the supply planning data.

Collection Type:

Net change: - if already existed all items (like 10) are loaded from source to destination (10 times). If any new item created at source system (like 11 item), it will be added the new item to the destination system.

For example:

24/Jan 10 ----> loaded 10 items (destination)

Suppose item created on 25/Jan

25/Jan 11 ---> only new item will be loaded in destination system.

Targeted: -

Complete data again it is loaded from source to destination system.

Automatic selection: -

The system automatically attaches a valid outbound inventory agreement to the outbound inventory order

Oracle Global Order Promising - Collect Planning Data

Supply Entities

- ☐ Purchase Orders Shipments Receipts History
- ☐ Resource Availability

Selected Entities

- ☐ Movement Requests
- ☐ On Hand
- ☐ Purchase Orders and Requisitions
- ☐ Reservations
- ☐ Sales orders
- ☐ Transfer Orders
- ☐ Work Order Supplies

Date Range Type Relative to collection run date

Collection Window in Days

☒ Collect existing data

☐ Regenerate data, and then collect

Submit **Cancel**

Oracle Global Order Promising - Collect Planning Data

Process Name Collection Job Set

Description Move data from source system tables to the Oracle Data Store.

Parameters **Schedule**

Run ☒ Using a schedule

Frequency Once

Time Zone

Start Date 1/10/25 5:16:42 PM

Submit **Cancel**

We can also run the program automatically.

Submit the program

Oracle Global Order Promising - Overview

Search

Name

Process ID 7583267

Status

Submission Time After 1/10/25 11:20 AM (UTC-05:00) New York - Eastern Time (ET)

Submission Notes Contains

Submitted By

Search **Reset** **Download Results**

Search Results

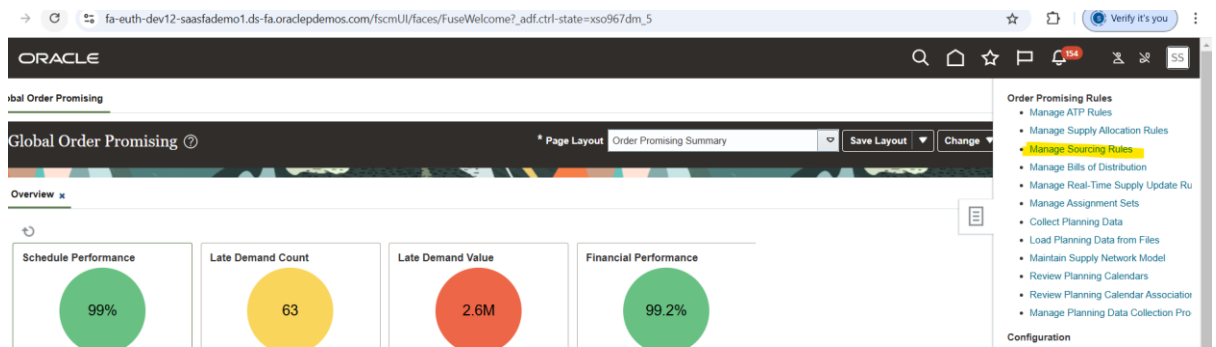
View ☐ Flat List ☒ Hierarchy

Actions **View** **Schedule New Process** **Resubmit** **Put On Hold** **Cancel Process** **Release Process** **View Log**

Name	Process ID	Status	Scheduled Time	Submission Time
Collection Job Set	7583267	Succeeded	1/10/25 12:20 PM EST	1/10/25 12:20 PM EST
Extract Master	7583268	Succeeded	1/10/25 12:20 PM EST	1/10/25 12:20 PM EST
Extract Oracle Fusion Entity	7583307	Succeeded	1/10/25 12:21 PM EST	1/10/25 12:21 PM EST
Extract Oracle Fusion Entity	7583308	Succeeded	1/10/25 12:21 PM EST	1/10/25 12:21 PM EST

It took some time and will be completed as shown above.

3. Sourcing Rule - Transfer from (SO), Buy (DP), Make (ATO):-



Click on Manage Sourcing Rules

Create Sourcing Rule

Name: TATA Ship From
Description: TATA Ship From

Organization Assignment Type: Global

Organization: [Dropdown]

Sourcing Rule Effective Dates

Start Date: 1/19/25
End Date: mdyyy

Effective Start Date 1/10/25: Sources

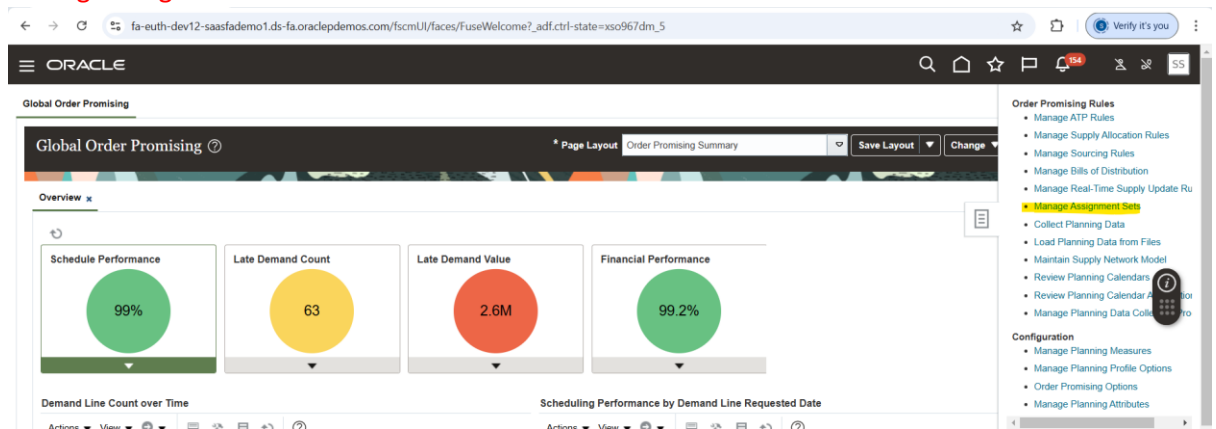
Type	Organization	Supplier	Supplier Site	Supplier Site Source System	Allocation Percent	Rank	Shipping Method	Carrier Name	Mode of Transport	Service Level	Transit Time	Exclude for Options and Option Classes
Transfer from	002				100	1						
Transfer from	001				100	1						

Ship from is nothing but transfer from

100% fulfil the sales order from 001 (1 rank org), if not select from 002 org.

Which item, needs to be selected from 001, 002 will be **decided by sourcing assignment.**

4. Manage Assignment sets:-



Global Order Promising Manage Assignment Sets

Search: Name Global

Search Results:

Name	Description
GlobalOrderPromising	Global Order Promising Assignment Set

Search with GlobalOrderpromising Assignment set. Edit it.

Global Order Promising Edit Assignment Set: GlobalOrderPromising

Name: GlobalOrderPromising

Description: Global Order Promising Assignment Set

Catalog: Planning Catalog

Enable for subinventory-level planning: ☐

Sourcing Assignments:

Assignment Level	Organization	Customer	Customer Site	Demand Class	Category	Item	Description	Sourcing Type	Sourcing Rule or Bill of Distribution	Zone	Region
Category and or...	002	-	-	-	Slimline Model	-	Slimline Model	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	Slimline Tablets	-	Slimline Tablets	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	SlimlineAir Tablets	-	SlimlineAir Tablets	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	SlimlineMini Tablets	-	SlimlineMini Tablets	Sourcing rule	M-002	-	-
Category and or...	005	-	-	-	Tablet Assemblies	-	Tablet Assemblies	Sourcing rule	M-005	-	-
Category and or...	002	-	-	-	Vision Slimline	-	Vision Slimline	Sourcing rule	M-002	-	-

Click on +, Add a row here.

Global Order Promising Edit Assignment Set: GlobalOrderPromising

Name: GlobalOrderPromising

Description: Global Order Promising Assignment Set

Catalog: Planning Catalog

Enable for subinventory-level planning: ☐

Sourcing Assignments:

Assignment Level	Organization	Customer	Customer Site	Demand Class	Category	Item	Description	Sourcing Type	Sourcing Rule or Bill of Distribution	Zone	Region
Item	-	-	-	-	-	ASS9085	Sentinel Power ...	Sourcing rule	TAIA Ship	-	-
Category and or...	002	-	-	-	Slimline Model	-	Slimline Model	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	Slimline Tablets	-	Slimline Tablets	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	SlimlineAir Tablets	-	SlimlineAir Tablets	Sourcing rule	M-002	-	-
Category and or...	002	-	-	-	SlimlineMini Tablets	-	SlimlineMini Tablets	Sourcing rule	M-002	-	-
Category and or...	005	-	-	-	Tablet Assemblies	-	Tablet Assemblies	Sourcing rule	M-005	-	-

Here I am adding the line,
Assignment level: item

Enter item ,

Sourcing Type: Sourcing rule

Sourcing Rule: TATA Ship From

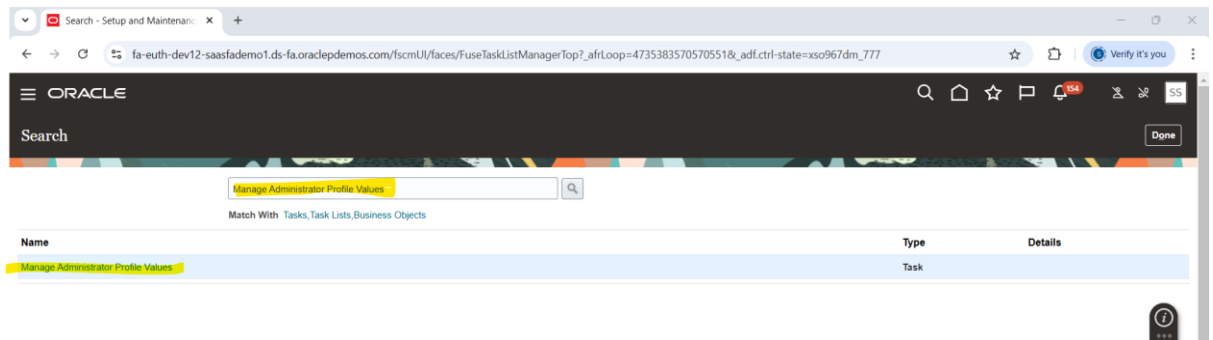
Here item is not showing, the reason is item not collected.

How it will work in the sales order as shown below.

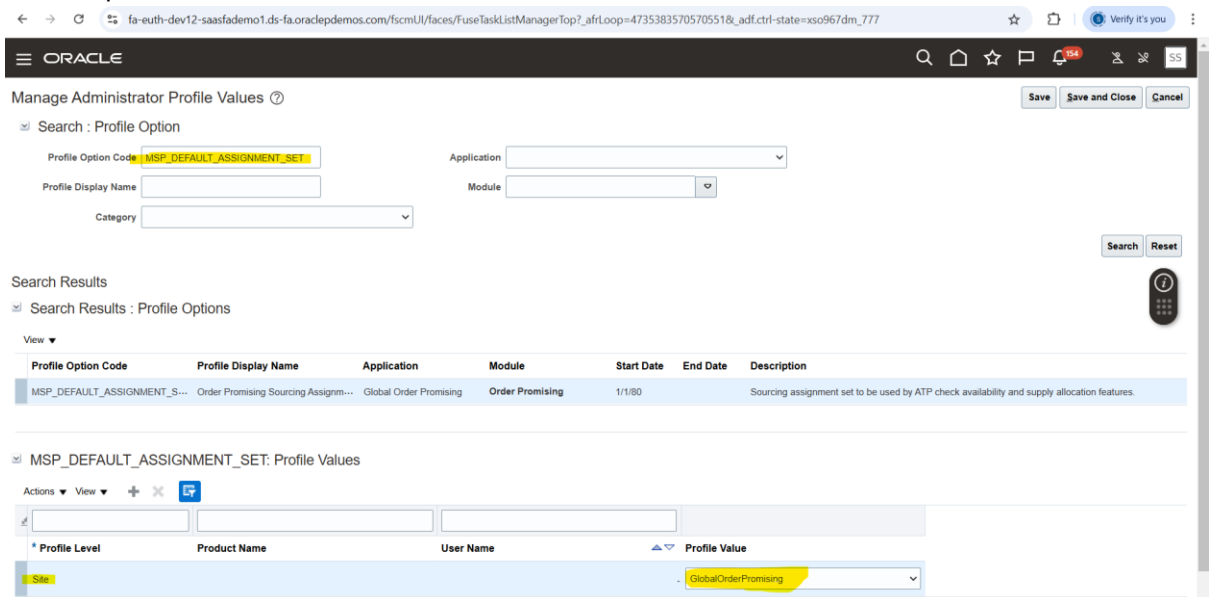
Sales order → submit → Orchestration → **Schedule/GOP** (First step) → profile option (SA: GlobalOrderpromising)/ item (AS89105) → TATA Ship from → R1(001)/R2(002).

What sourcing rule is assigned to the item. In Rank 1 on hand quantity is not available, it will pick the material from 002. Afterwards it will go to reservations step.

5. Manage Administrator Profile Values:-

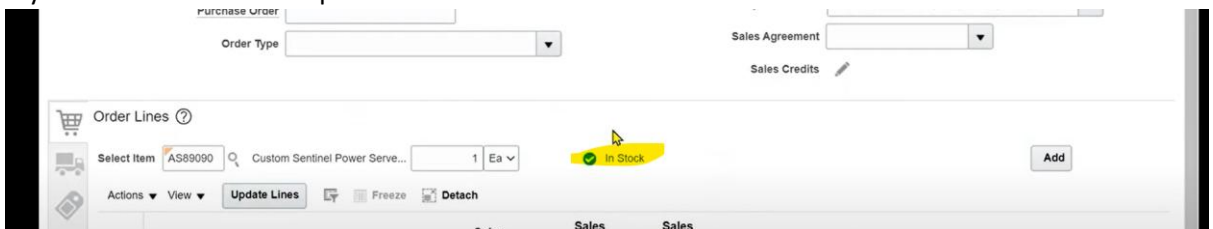


Profile option Name:



Currently Global order promising profile option is assigned.

If you remove the GOP step it wont recommend the item like stock details etc



The main purpose of using GOP module is to identify the fulfilment organization.

6. ATP Rules: - SSD

Basic Available To Promise (ATP) checking allows users to perform an availability check based on a statement of current and planned material supply against a given organization. You perform ATP checks by specifying the item, the need-by date and the ship-from value. The system returns results describing the need-by date quantity and the fulfilment date.

The screenshot shows the Oracle Manage Assignment Sets interface. The 'Manage ATP Rules' tab is selected. The search criteria are as follows:

- Name: Starts with
- Description: Starts with
- Assigned-to Item: Equals
- Assigned-to Organization: Equals
- Assigned-to Item Category: Equals

The search results table is empty, displaying 'No search conducted.'

For every sales order system automatically generates the schedule ship date.

- L1 item A schedule ship date
- L2 item B schedule ship date

The SSD will be generated for each line/ item based on the ATP rules.

In ATP Rules, we have 3 options.

The screenshot shows the Oracle Create ATP Rule interface. The 'Promising Attributes' section is visible. The 'Promising Mode' options are:

- ☒ Supply chain availability search
- ☐ Lead time based
- ☐ Infinite availability based

The 'Lead Time Considered' dropdown is set to 'User-Defined Lead Time in Days'.

- (i) Lead time based: User-defined lead time

The screenshot shows the 'Create ATP Rule' page in Oracle. The 'Name' and 'Description' fields are both set to 'TATA ATP Rule'. The 'ATP Rule Criteria' tab is active, showing 'Promising Attributes'. Under 'Promising Mode', 'Lead time based' is selected. The 'Lead Time Considered' dropdown is set to 'User-defined lead time'. The 'User-Defined Lead Time in Days' is set to 10. Other options like 'Search components and resources', 'Enable profitable to promise search', 'Respect allocation constraints', 'Split order when supply becomes available', and 'Truncate order fulfillment quantity to nearest integer' are unchecked. The 'Minimum Quantity for Splitting' field is empty.

Suppose in lead time based

Leade time considered as: User-defined lead time

Suppose lead time is 10 days. Sales order booked at 29/Jan/2025.

L1 item A schedule ship date 09/Feb 2025

L2 item B schedule ship date

(ii)Lead time: Total lead time:

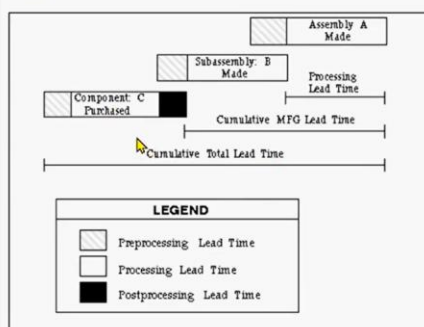
This screenshot is similar to the first one, but the 'Lead Time Considered' dropdown is now set to 'Total lead time'. The 'User-Defined Lead Time in Days' field remains empty.

Time

Cumulative Total Lead The total time required to make an item if no inventory existed and you had to order all the raw materials and make all subassemblies level by level. Bills of Material automatically calculates this value, or you can manually assign a value.

The following diagram describes the relationship between preprocessing, processing, and postprocessing lead times for manufactured items (assembly A and subassembly B) and purchased items (component C). This diagram also describes the cumulative manufacturing lead time and cumulative total lead time for a manufactured item (assembly A).

Figure 4 - 2.



Cumulative total lead time = Component+ Subassembly(semi finished goods)+ Finished Good
=cumulative MFG Lead Time + processing Lead time+ Assemble item

A – 4 days preprocessing + 1 day's processing Leadtime

B- 2 days preprocessing lead time + (2 **days processing lead time**/ for manufacturing)

C- (2 days preprocessing lead time) + 0 preprocessing lead time. +(1 day as quality check for example- wait)

Post processing lead time → Internal check → like quality check .

Edit Item: KMC ITEM 1 (KCMST) ⓘ ★

Item: KMC ITEM 1

Description: KMC ITEM 1

Item Class: KMC ITEM CLASS

Approval Status: Approved

Completeness Score: MOCHARLA

Item Status: Active

Lifecycle Phase: Production

User Item Type: Purchased Item

Pack Type:

Revision: 0

Creation Date: 3/11/22 6:13 AM

No items to display

Specifications>Planning tab

Release Time Fence:

Shrinkage Rate:

Forecast Control: Consume and Derive Forecast

Acceptable Early Days:

MPS Planning

Calculate ATP:

Repair Lead Time:

Repair Yield:

Lead Times ⓘ

Preprocessing Days: 4

Postprocessing Days: 0

Processing Days: 1

Variable:

Cumulative Total: 6

Fixed:

Cumulative Manufacturing: 3

Lead Time Lot Size: 1

we will specify the lead time for each and every item in the planning tab.

If you are taking lead time as cumulative manufacturing, you are creating sales order for the above item. What is the SSD.

Salee order submitted 23/01/2025 , the SSD will be + 3 days = 26/01/2025

At the time of item creation you have to enter the lead time, organization to organization lead time is different.

Global Order Promising Manage ATP Rules x

Create ATP Rule ⓘ

Save Save and Close Cancel

* Name TATA ATP Rule

Description TATA ATP Rule

ATP Rule Criteria ATP Rule Assignment

Promising Attributes ⓘ

Promising Mode ☐ Supply chain availability search ☒ Lead time based ☒ Infinite availability based

☐ Search components and resources Lead Time Considered [dropdown]

☐ Enable profitable to promise search User-Defined Lead Time in Days [input]

☐ Respect allocation constraints ☐ Truncate order fulfillment quantity to nearest integer

☐ Split order when supply becomes available Minimum Quantity for Splitting [input]

ATP rule is → Infinite availability based → it means the stock is infinite, no issues with the stock, so Always SSD will be today's date only (sales order submission date).

Global Order Promising Manage ATP Rules x

Create ATP Rule ⓘ

Save Save and Close Cancel

* Name TATA ATP Rule

Description TATA ATP Rule

ATP Rule Criteria ATP Rule Assignment

Promising Attributes ⓘ

Promising Mode ☒ Supply chain availability search ☐ Lead time based ☐ Infinite availability based

☐ Search components and resources Lead Time Considered [dropdown]

☐ Enable profitable to promise search User-Defined Lead Time in Days [input]

☐ Respect allocation constraints ☐ Truncate order fulfillment quantity to nearest integer

☐ Split order when supply becomes available Minimum Quantity for Splitting [input]

The first option is Supply chain availability search, it is completely focused on demand and supply chain basis. Suppose for the demand, supply is there, so the schedule ship date is today's date. Sales order created for 100 quantity, 100 quantity stock is available, so the SSD is today's date.

For example:

Demand: Sales order : 100 quantity: (no quantity)

Supply: Purchase order: 5000 quantity, I am getting on 25/jan/2025

so schedule ship date for the sales order is : 25/jan/2025

Supply options are: purchase requisition/ purchase orders/ work orders or we can make the items/ on hand quantity.

Demand- work order demand,

Based on all these supply and demand, SSD will be created.

Whatever you want to choose you can for demand and supply.

We can assign ATP rules to the organization, category etc.

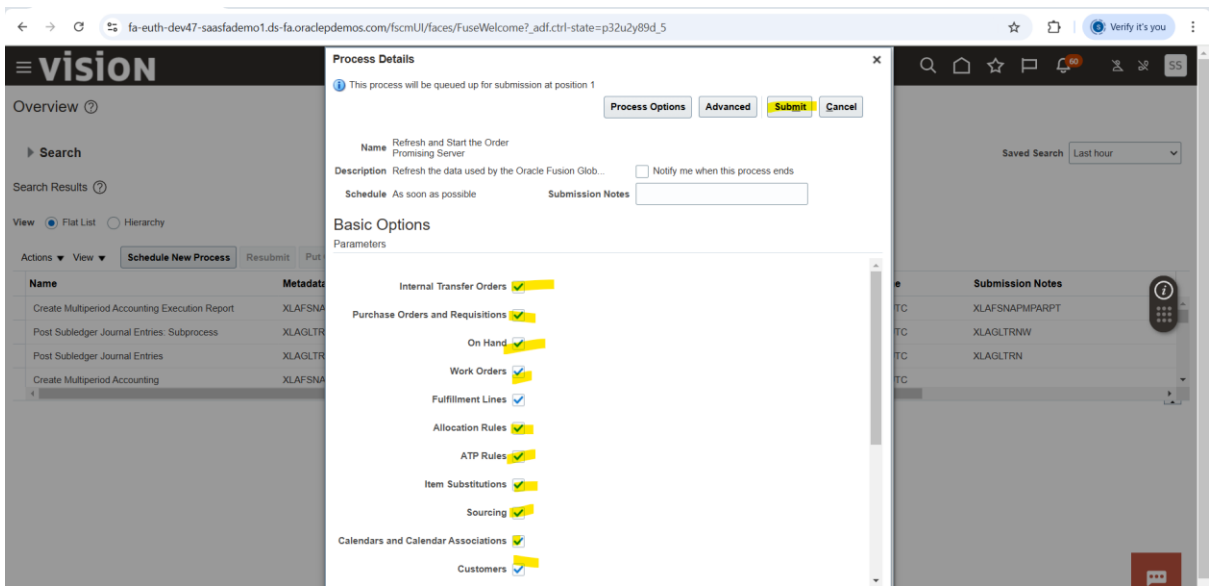
After completion of all the steps in GOP, we need to run the program

Refresh and Start the Order Promising Server:

Description

Refresh the data used by the Oracle Fusion Global Order Promising server and start the order promising server.

We will run this program from the schedule processes.



Enable required fields and submit, for the first time, enable all submit it.

Roles require for Order management:

U3 JX Order Manager					
	B	C	D	E	F
1	Order Management	Roles	Order Administrator	Configures all setu	
2	Pricing	Order Management	Order Entry Specialist		
3	Global Order Promising (GOP)		Order Manager		
4	Distributed Order Orchestration (DOO)		Order Orchestration Recovery Manager		
5	Inventory	Pricing	Pricing Analyst	Analyzes historical	
6	Procurement		Pricing Administrator	Manages price exe	
7			Pricing Manager	Manages and appr	
8	Standard Sales Order (Ship & Bill)	GOP	Order Promising Manager		
9	Ship only		Supply Chain Planning Application Administrator		
10	Bill only		Supply Chain Controller		
11					
12	Return Sales Order (Return & Credit)				