

# Product Planning

## Data

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# Introduction

# Introduction

## Overview

1. Product planning data master is used to create the plan for Product manufacturing.
  2. This Product planning data merge the Parent Product, BOM and Workflow.
  3. In the Window Product Planning Data you enter the product information which will serve as a base to execute the algorithms of Material Requirement Planning, along with MPS, open orders and inventories
  4. Product Planning data will be applicable for different plant with the multiple warehouses.
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## Business Case

1. In a company the product planning data is used to link the parent product and components with the BOM and Workflows.

Tab

Tab

# Product

KONNECT ANALYTICS product plan

Prasanth P@Konnect Demo / Konnect Demo Admin

Feedback | Profile | Preference | Change Role | Log Out

Home (7) | Summary | Product Planning Data: 1000... x

Favourites | Recent Items

Product

Data requested

Client: Konnect Demo | Organization: \*

Search Key: 1000000 | Version No:

Name: Copper Pipes

Description: Copper Pipes

Comment/Help

Document Note

UPC/EAN | SKU

Active |  Summary Level

Product Category: Finished Goods | Classification: 2653451

Tax Category: GST 18% | Revenue Recognition:

UOM: Each | Sales Representative: Govtham B

Product Type: Item | Mail Template:

Weight: 134.00 | Volume: 0.00

Freight Category: Import(FOB) |  Drop Shipment

Stocked | Locator:

Shelf Width | Shelf Height

This Product main tab shows the details about the particular product.

Tab

# Data Planning

Product > Data Planning

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inserted

<u>Client</u> *	Sandbox	<u>Organization</u> *	*
<u>Product</u> *	001859N63-01_38" ROTATING HEAD 34"/38"		
	<input checked="" type="checkbox"/> Active		
<u>Resource</u>	Manufacturing Discrete Plant	<u>Warehouse</u>	
<u>Planner</u>	Bora		
<u>BOM Formula</u>	001859N63-01_38" ROTATING HEAD 34"/38" DD 6000 REFINER_1000218		↩
<u>Workflow</u>			↩
<u>Network Distribution</u>			
	<input type="checkbox"/> Is MPS	<input checked="" type="checkbox"/> Create Plan	

## Critical Fields

1. BOM Formula : It is used to select the particular BOM from the BOM master.  
The name BOM/Formula that you introduce in this window will be considered the default BOM to produce the product in this Organization-Plant-Warehouse. If you do not fill this field the default BOM & Formula for the entity will be the BOM/Formula which has the same name as the product.
2. Workflow : It is used to select the Workflow from the Manufacturing workflow master.  
The Workflow field identifies a unique Workflow in the system.

## Critical & onetime setup fields

1. Resource : A manufacturing resource is a place where a product will be made.

## **Non-Critical Fields**

1. Planner : It is used to select the planner name from user master.
  2. Warehouse : It is used to select the warehouse from the warehouse master.  
The Warehouse identifies a unique Warehouse where products are stored or Services are provided.  
Warehouse place where you locate and control the products
  3. Order Policy : It is used to select the order policy from the list.(Ex : Fixed Order Quantity, Lot-for-Lot, Period Order Quantity )
  4. Network Distribution :
  5. Create Plan : Indicates whether planned orders will be generated by MRP, if this flag is not just MRP generate a 'Create' action notice
  6. Time Fence :
  7. Order Quantity :
  8. Safety Stock Qty : Safety stock is defined as extra units of inventory carried as protection against possible stock outs. It is held when an organization cannot accurately predict demand and/or lead time for the product.
  9. Yield % : The Yield is the percentage of a lot that is expected to be of acceptable quality may fall below 100 percent
  10. Transfer Time :
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## **Zoom condition's**

### **Validation**

Tab

# Replenish

The screenshot shows the 'Replenish' form in the Konnect Analytics application. The form is titled 'Product Planning Data: 1000...' and is set to 'Product > Replenish'. The form contains several input fields: 'Client' (Konnect Demo), 'Organization' (empty), 'Product' (1000000\_Copper Pipes), 'Warehouse' (Manufacturing Discrete Store), 'Active' (checked), 'Replenish Type' (Reorder below Minimum Level), 'Minimum Level' (10.00), and 'Maximum Level' (100.00). The interface includes a top navigation bar with 'product plan' and a search icon, and a left sidebar with 'Favourites' and 'Recent Items'.

## Critical Fields

1. Replenish Type : We should select the replenish type from this list. a) Maintain Maximum Level - Replenishment quantities will be ordered if the inventory level is below the maximum level. b) Reorder Below Minimum Level - Replenishment quantities will be ordered if the inventory level is below the minimum level. c) Custom - It is possible to define a custom rule in software to calculate the replenishment quantities. The software class is defined in the Warehouse window. d) Manual - A Replenishment Plan is used to calculate when and how much material to order.
2. Minimum Level : Indicates the minimum quantity of this product to be stocked in inventory.
3. Maximum Level : Indicates the maximum quantity of this product to be stocked in inventory.

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## Critical & onetime setup fields

1. Warehouse : It is used to select the warehouse name.(Refer Warehouse Master),  
The Warehouse identifies a unique Warehouse where products are stored or Services are

provided.

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## **Non-Critical Fields**

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## **Zoom condition's**

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## **Validation**

Tab

# Purchasing

The screenshot shows a web application interface for 'KONNECT ANALYTICS'. The main content area is titled 'Product Planning Data: 1000...' and contains a form for purchasing data. The form is divided into two columns. The left column contains fields for Client (Konnect Demo), Product (1000000\_Copper Pipes), Business Partner (Name 1), Active (checked), UPC/EAN, Currency (INR), List Price (0.00), PO Price (0.00), Last PO Price (0.00), UOM (Each), Minimum Order Qty (0), Promised Delivery Time (0), Cost per Order (0.00), Partner Product Key (1000000), and Manufacturer. The right column contains fields for Organization, Quality Rating, Current vendor (unchecked), Price effective, Royalty Amount (0.00), Last Invoice Price (0.00), Order Pack Qty (0), Actual Delivery Time (0), and Partner Category. The interface includes a top navigation bar with 'Home (7)', 'Summary', and 'Product Planning Data: 1000...' tabs, and a left sidebar with 'Favourites' and 'Recent Items' sections.

## Critical Fields

### Critical & onetime setup fields

1. Business Partner : It is used to select the purchase business partner name for that product.(Refer Business Partner Master window)

### Non-Critical Fields

1. UOM : The UOM defines a unique non monetary Unit of Measure.(Refer UOM master)
2. Currency : Used to select the Currency , Indicates the Currency to be used when processing or reporting on this record.(Refer Currency Master)
3. UPC/EAN : Use this field to enter the bar code for the product in any of the bar code

symbolizes

4. Promised Delivery Time :The Promised Delivery Time indicates the number of days between the order date and the date that delivery was promised.
5. Partner Product Key : The Business Partner Product Key identifies the number used by the Business Partner for this product. It can be printed on orders and invoices when you include the Product Key in the print format.
6. Partner Category :The Business Partner Category identifies the category used by the Business Partner for this product.
7. Manufacturer : The manufacturer of the Product (used if different from the Business Partner / Vendor)
8. Cost Per Order : The Cost Per Order indicates the fixed charge levied when an order for this product is placed.
9. Discontinued : The Discontinued check box indicates a product that has been discontinued.
10. Discontinued At : Discontinued At indicates Date when product was discontinued
11. List Price : The List Price is the official List Price in the document currency.
12. PO Price : The PO Price indicates the price for a product per the purchase order.
13. Last PO Price : The Last PO Price indicates the last price paid (per the purchase order) for this product.
14. Order Pack Qty : The Order Pack Quantity indicates the number of units in each pack of this product.
15. Royalty Amount :
16. Quality Rating : The Quality Rating indicates how a vendor is rated (higher number = higher quality)
17. Current Vendor : The Current Vendor indicates if prices are used and Product is reordered from this vendor
18. Price Effective : The Price Effective indicates the date this price is for. This allows you to enter future prices for products which will become effective when appropriate.
19. Minimum Order Qty : The Minimum Order Quantity indicates the smallest quantity of this product which can be ordered.

**Zoom condition's**

**Validation**

Tab

# Transaction

The screenshot displays the 'Transaction' sub-tab in the Konnect Analytics application. The interface includes a top navigation bar with the 'product plan' search bar and user information for 'Prasanth P@Konnect Demo'. The main content area shows a form with the following details:

Client	Konnect Demo	Organization	Manufacturing Discrete
Product	1000000_Copper Pipes	Attribute Set Instance	
<input checked="" type="checkbox"/> Active			
Locator	Standard		
Movement Quantity	1	Movement Date	19/10/2018
Movement Type	Movement To		
Shipment/Receipt Line			
Phys Inventory Line			
Move Line	10_1_1000008_610000		
Production Line			
Project Issue			
Manufacturing Cost Collector			

This Sub tab shows the transaction details of the product .

# Validations

# Validations

## Save

1. This is used to save the records after the mandatory fields are filled.
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## Delete

1. This is used to delete the records before the transactions are done .

# Video

# Forms and Process

# Create Product Planning

Home (90) Summary **Create Product Planning** ✕

This process will create the data planning register for every product  
 In order to facilitate to load the data planning of similar products, you can run the process Create product Planning and this process will create the data planning register for every product which fits the parameters: Product category, Warehouse and Resource. You must indicate the planning parameters defined in the last section for every Product category, Warehouse, and Resource set. Every product which fit these three parameters will have a data planning record with the same data planning values you enter in this form.

Product Category   
 Warehouse   
 Resource   
 Create Plan  
 Is MPS  
 Network Distribution   
 Workflow   
 Time Fence   
 Transfer Time   
 Safety Stock Qty   
 Minimum Order Qty   
 Maximum Order Qty   
 Order Pack Qty   
 Order Qty   
 Working Time   
 Yield %   
 Promised Delivery Time   
 Order Policy   
 Order Period   
 Planner   
 Run as Job

## Parameter :-

- 1.Product category : To select the Particular category of the Product(Refer Product category master window). (do not change the product category after doing transactions. )
- 2.Warehouse : This field is to select Warehouse, on a selection of Warehouse user has option to proceed for Data planning
- 3.Resource: A manufacturing resource is a place where a product will be made.
- 4.Create Plan : Indicates weather planned orders will be generated by MRP, if this flag is not just

MRP generate a 'Create' action notice

5.Network distribution : It is master data to set distribution parameters.

6.Workflow : It is used to select the Workflow from the Manufacturing workflow master.The Workflow field identifies a unique Workflow in the system.

7.Time Fence : Time fence control is a policy or guideline you establish to note where various restrictions or changes in operating procedures take place.

8.Transfer Time : Transfer time

9.Safety Stock Qty : Safety stock is defined as extra units of inventory carried as protection against possible stock outs. It is held when an organization cannot accurately predict demand and/or lead time for the product.

10.Minimum Order Qty : To maintain Minimum quantity per order

11.Maximum Order Qty : To maintain Maximum quantity per order

12.Order Pack Qty : To set Pack order quantity

13.Order Qty : Order Quantity maintained as per current data planning

14.Working Time : To maintain total working time for data planning

15.Yield % : The Yield is the percentage of a lot that is expected to be of acceptable quality may fall below 100 percent

16.Promised Delivery Time : Delivery time details as per deadlines or delivery terms

17.Order Policy : It is used to select the order policy from the list.(Ex : Fixed Order Quantity, Lot-for-Lot, Period Order Quantity )

18.Order Period : Period of order

19.Planner : It is used to select the planner name from user master.

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## **Process Use :**

**This process will create the data planning register for every product**

In order to facilitate to load the data planning of similar products, you can run the process Create product Planning and this process will create the data planning register for every product which fits the parameters: Product category, Warehouse and Resource. You must indicate the planning parameters defined in the last section for every Product category, Warehouse, and Resource set. Every product which fit these three parameters will have a data planning record with the same data planning values you enter in this form.