ORACLE RETAIL
ADVANCED INVENTORY PLANNING

A significant challenge in retail is managing inventory across supply chain commerce and fulfillment locations while offering customers the visibility and flexibility of inventory to complete their Commerce Anywhere journey. Inventory is one of the highest cost areas of the business, and one of the most complex areas to manage. In an industry where decisions are based on trend data and on consumer likes and dislikes, implementing a scientific approach to managing inventory has proven to make a valuable difference and is now a requirement for the most successful retailers.

Overview

Oracle Retail Advanced Inventory Planning leverages forecasted demand across all commerce channels to guide a constrained, time-phased inventory ordering, allocation, replenishment, and delivery plan to all levels of the distribution network. By aligning projections of demands with an understanding of planned supply chain configurations, this solution creates achievable plans and executes the positioning of inventory at the right place, at the right time, in the right quantities, from suppliers to warehouses to stores and customers.

Introducing Oracle Retail Advanced Inventory Planning

Oracle Retail Advanced Inventory Planning creates optimized inventory targets by item by location to meet demand and satisfy business and financial objectives. It then considers realities and constraints such as inventory availability, pack sizes, distribution capacity and store space to flow merchandise through the supply chain at the right time in the right quantities. Business users are provided actionable insights into the potential cause and impact of projected stock-outs or overstock conditions. By optimizing inventory control and order management operations, retailers increase revenue and profitability while reducing inventory and decreasing labor and distribution expenses.

Features of Oracle Retail Advanced Inventory Planning

Oracle Retail Advanced Inventory Planning enables retailers with these core functions:

- Customer demand forecast drives the calculation of a time-phased inventory replenishment needs by item by store and direct channels.
- Store inventory needs are aggregated by their associated warehouses as input to time-phased warehouse replenishment needs.
- Uses proven retail science replenishment algorithms, based on sound scientific principles.
- Plans future inventory levels and optimally allocates stock to locations most likely to sell it.
- Fulfillment planning generates current and “planned” future purchase orders and transfer orders.
- Constraint-based optimization algorithm maximizes profitability and service level objectives within supply chain constraints related to products, vendors, orders, inventory, freight, labor and space.
Related Products
Oracle's integrated supply chain suite helps retailers manage the investments in inventory, labor, buildings and equipment need to power their supply chain operations:

- Oracle Retail Merchandising System
- Oracle Retail Replenishment Optimization
- Oracle Retail Demand Forecasting
- Oracle Retail Warehouse Management System
- Oracle Retail Transportation Management
- Oracle Distributed Order Orchestration

- Provides visibility to current and projected orders, inventory, and relevant supply chain performance measures.
- Automatically allocates merchandise in cases of shortages or excess and allows manual “push” allocations.
- Scales purchases orders to meet both supplier and container constraints by pulling forward future planned receipts.
- Calculates product / store level inventory need for perishable products, balancing waste and availability based on the item’s product life and acceptable loss due to waste.
- Provides visibility to promotional lift factored into product forecasts and builds promotional presentation stock.
- Shows the impact across the entire planning horizon of parameter changes for future dates, such as source, pack size, lead time, minimum, maximum, or shelf capacity changes.
- Provides projected outbound distribution and labor capacities to enable proactive rather than reactive alerts to capacity issues within the planning horizon.
- Offers user navigation flexibility to review and manage replenishment boundaries, projections, and execution plans.
- Connects demand and constraints implications across the entire supply chain, including suppliers, warehouses, and stores.
- Allows for setup and execution to time-phased supply chain distribution network, allowing for proactive updates and changes.
- Systematically pre-allocates inventory through intermediate supply chain locations, driving labor efficiency and speed to market of products.
- Calculates ‘what-if’ simulations to inventory, ordering, and replenishment needs across the complete supply chain.

About Oracle Retail
Oracle provides retailers with a complete, open and integrated suite of business applications, server and storage solutions that are engineered to work together to optimize every aspect of their business. 20 of the top 20 retailers worldwide - including fashion, hardlines, grocery and specialty retailers - use Oracle solutions to drive performance, deliver critical insights and fuel growth across traditional, mobile and commerce channels.

Contact Us
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