Oracle Value Chain Planning
Advanced Planning Command Center

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VALUE CHAIN PLANNING

Do you have access to critical supply chain performance metrics that drive your business decisions? Do you have real-time access to the related data that resides in your detailed planning applications? Do you need a more systemic process for simulating alternative business scenarios to make holistic supply chain decisions? Oracle® Advanced Planning Command Center offers key supply chain decision makers a comprehensive solution that provides executives and planners multi-dimensional analysis of operational, tactical, and strategic supply chain plans, robust scenario modeling and management, and automated business process execution capabilities.

KEY FEATURES

- Translate supply and demand plan data to actionable business performance information
- Real-time access to plan performance for company executives
- Business scenario management
- Pre-built reports and context sensitive drill downs to planner workbenches
- Robust library of facts, measures and attributes
- Ad hoc query and analysis capabilities for users to create their own reports and dashboards
- Configurable and extensible architecture to bring in data from external sources, mobile enabled
- Pre-built configurable dashboards for Sales and Operations Planning, Supply Plan Analysis, Risk Management, Project Supply Chain Analysis, Trade Promotion Optimization, Service Parts Analysis, and Inventory Analysis (including excess and obsolescence)

KEY BENEFITS

- Provide insight to all decision makers
- Drive planning based on predictive analytics
- Start quickly with pre-built content

Make decisions based on real-time business insight

Key decision makers often rely on spreadsheets, e-mail, and summary level presentations to brief executives or to monitor the health of their supply chain. This information is typically derived from the existing planning systems with a certain amount of latency because it takes time to transform detailed planning data into actionable corporate metrics. Oracle Advanced Planning Command Center solves this problem by providing a comprehensive solution that provides robust scenario management, out-of-the-box analytics to quickly assess the business impact of scenarios, and process automation capabilities that enable you to streamline your planning processes.

Figure 1: Oracle Advanced Planning Command Center – Sales and Operations Planning

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Business scenario planning for key decision makers

When making supply chain decisions, you often need to compare alternative business strategies. With Oracle Advanced Planning Command Center, you define business planning scenarios that represent these alternatives. To execute the scenarios, you assign tasks that trigger collaboration between the various stakeholders who are executing the various elements of a scenario such as creating a consensus forecast, making inventory postponement decisions, and running supply plans. You can also attach related documents that provide background information or illustrate why or how a task needs to be executed. Once scenario tasks are completed, you can analyze the supply chain metrics, which are comprised of linked demand and supply plan data in a uniform and consistent format. For example, you can run your monthly sales and operations process' baseline plan and compare it to alternate scenarios that calculate the effect of planned and unplanned supply chain events in that month; you can also analyze the supply and demand metrics of your last operational plan run and compare it with the plan that was calculated the day before.

Seamlessly move between analytics and planning

When performing root-cause analysis on supply chain planning problems, you can translate very detailed planning information into performance metrics that quickly illustrate the impact of a specific business scenario. With Oracle Advanced Planning Command Center you can analyze high level demand and supply trends and metrics, and to drill down in any problem area. Your planners can analyze root-cause of problems via the prebuilt dashboards and reports, and directly drill-down to the powerful planning workbenches to simulate possible solutions or take actions, in context of the problem that you are trying to solve. Planners can even drill down to order and exception level details and view detailed pegging information. Optionally, you can invoke worksheets created with Demantra Anywhere and ADF worksheets (for example from Oracle Advanced Supply Chain Planning) directly in the dashboards. This provides planners with a seamless aggregate-to-detailed analysis and plan execution experience.

Prebuilt dashboards for S&OP and Supply Chain Analysis

Oracle Advanced Planning Command Center provides comprehensive prebuilt dashboards that enable you to analyze sales and operations planning performance and the health of your supply plan. The dashboards can be quickly configured for the various analyst roles in your organization and extended to show information from external data sources, as well as be enabled on mobile platforms.

The Sales and Operations Planning dashboard supports a 360 degree review of demand, supply, and enables you to analyze executive level information such as revenue, inventory turns, profit and loss, and cost trends for the plans that you execute. You can also compare your baseline to multiple alternative scenarios at various levels, such as organization, product category, sales channel, supplier, customer, and project.

The Supply Chain Analyst dashboard enables you to quickly assess trends in demand and supply, exceptions, resource over- and under-utilization, inventory, and production. For example, you can analyze how a short term supply shortage could be related to a sudden demand spike that is either caused by an incorrect marketing forecast, or originates from a bottleneck resource.

The Project Supply Chain Analysis dashboard enables you to manage the demands from projects, identify any exceptions that would delay projects or tasks, and provided visibility to any issues that would impact key deliverables.

The Supply Chain Risk Management dashboard enables you to evaluate the impact of unplanned events on your supply chain, and identify the cost of mitigating supply chain risk. You can analyst the cost and revenue impacts, analyze the time to recover from an event, and provide senior decision makers with the facts to make informed decisions.

The Service Parts Analyst dashboard enables you to have global visibility into usable and defective inventory values across your service supply chain. You can quickly determine if new buys are in excess of historical levels, isolate the problem parts, and drill seamlessly into the Oracle Service Parts Planning workbench to adjust purchasing and repair recommendations.

Get started quickly – Extensive pre-built content

Oracle Advanced Planning Command Center provides a comprehensive library of performance metrics and reports across many seeded dimensions and hierarchies. For example, you can analyze demand satisfaction through metrics like late demand ratio, perfect order index, fill rate, service level, unmet demand, and sales quantity; you can analyze inventory performance through metrics like inventory turns, carrying cost, projected available balance in days of cover and amount, stock-outs, safety stock, total supply and demand; you can analyze supply chain financial performance through metrics like profit, margin, revenue, and cost (purchasing, transportation, and manufacturing). Leveraging the industrial strength and configurability of Oracle Business Intelligence Enterprise Edition Plus (OBIEE), you can easily create new reports that are based on any of the seeded reports: add new dimensions, new data elements, filters, and navigational links as required and use them privately or share them with other users.

Structure the execution of your scenarios through automation

Oracle Advanced Planning Command Center obtains supply chain planning data from complementary demand management, inventory optimization, sales and operations planning, network design, and supply planning applications via web services. This web services-based approach enables Oracle Advanced Planning Command Center to support systemic operational improvements in a wide variety of functional areas through integration with other applications – even in highly heterogeneous application environments. You can define processes that include approval and review steps and that span multiple planning applications. For example, you can define a process that starts with collection of ERP data, runs a consensus demand planning sub-process, uses the consensus demand in a supply plan, and accumulates in a sales and operations plan.

Automatically archive scenarios and plans for trend analysis

When running (or publishing) plans you can automatically archive key performance metrics for historical and trend analysis in the dashboards. You can compare any archived plan versions to current plans and purge them when they are obsolete for analysis. Lastly, you can purge scenarios that you do not require any longer for analysis and automatically purge related plans if they are not used in other scenarios.

RELATED PRODUCTS

- Oracle® Advanced Supply Chain Planning: publish tactical supply chain plans for aggregate analysis
- Oracle® Demantra Demand Management: publish demand management scenarios
- Oracle® Demantra Predictive Trade Planning and Trade Promotion Optimization: publish promotion plans and tactics and monitor promotion effectiveness
- Oracle® Demantra Real-Time Sales and Operations Planning: publish sales and operations planning scenarios
- Oracle® Service Parts Planning: publish service parts planning scenarios
- Oracle® Inventory Optimization: publish inventory postponement scenarios
- Oracle® Strategic Network Optimization: publish risk management and network design simulation scenarios
- Oracle® Rapid Planning: publish event-driven simulation supply plans
- Oracle® In-Memory Performance Driven Planning to enable improved end to end planning performance

RELATED TECHNOLOGY PRODUCTS

- Oracle® Business Intelligence Enterprise Edition Plus

Extreme performance for the demand-driven value chain

Planning your complex value chain has always been challenging, and the degree of difficulty keeps increasing. Trends in business and economic conditions as well as emerging technology have added to the complexity. The pressure increases to plan for more complex value chains, more frequently, to a greater level of detail, and to make more informed decisions. Oracle in-memory processing, based on the Value Chain Planning's In-Memory Performance Driven Planning and the Oracle Database In-Memory Option, provides un-paralleled performance and scalability to enable the next generation of interactive planning, simulation, and analysis to dramatically improve the performance of existing planning processes and enable new processes that were not previously feasible. This provides a unique value proposition in terms of reduced planning cycle time and data latency; increased application availability and transaction scalability; increased user satisfaction via improved response time; improved decision making with improved planning analytics; and, lower total cost of ownership and faster time to value.

VALUE CHAIN PLANNING — A COMPLETE SOLUTION

Oracle's Value Chain Planning solution enables companies to efficiently design, plan, and service their value chains from factory to shelf. Its componentized architecture enables you to start with any product and expand to other areas at any point in time. The Oracle Value Chain Planning architecture leverages the scalability and security of Oracle's Database and Fusion Middleware technology and can be deployed as a single instance with Oracle E-Business Suite, or integrated with other systems. Whether you implement one module or the entire product solution, Oracle Value Chain Planning enables you to share unified supply chain planning information across the enterprise so you can make informed decisions faster.

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