ORACLE TRANSPORTATION OPERATIONAL PLANNING CLOUD

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SUPPLY CHAIN
MANAGEMENT
CLOUD

Oracle Transportation Operational Planning Cloud optimizes all transportation moves, including inbound, outbound, and inter-facility, from simple point-to-point to complex multi-modal, multi-leg and cross-dock operations. Oracle Transportation Operational Planning Cloud applies your specific business rules and logic in conjunction with powerful algorithms and optimization engines to determine the right course of action for all orders and shipments based on cost, service level and asset availability.

A Complete and Flexible Approach to Optimizing Transportation

Oracle Transportation Operational Planning Cloud uses state-of-the-art optimization techniques to determine the best way to fulfill your transportation needs. You can simultaneously optimize mode selection, carrier, equipment and rate selection, itinerary selection, order consolidation, and multi-stop shipment planning – all while adhering to your business constraints such as pickup/delivery times, location calendars, compatibilities and incompatibilities, and more. Oracle Transportation Operational Planning Cloud is built to handle complex, multi-tier networks that span geographies and modes enabling you to plan and execute your global supply chain in a single platform solution.
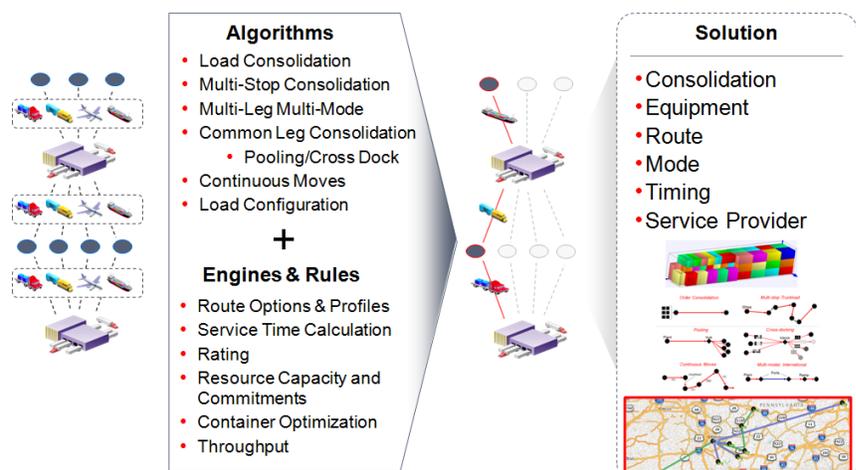
KEY FEATURES

- Plan and execute domestic and international transportation movements in one system
- Plans all modes of transportation
- Dynamic load building
- Ship unit optimization
- Route optimization
- Cross-docking and pooling
- Carrier selection
- Mode selection
- Multi-leg routing
- Optimize fleet and service provider resources in single solution
- Round trip and backhaul planning
- Bulk product considerations
- Include constraints such as equipment, order, location, commodity, and carrier incompatibilities
- Automate and manage appointment scheduling
- Buy (shipper) and sell (3PL) side considerations

Figure 1: Oracle Transportation Operational Planning Cloud utilizes sophisticated algorithms and business rules to determine optimal results.

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Optimization engines are specially crafted for performance and scalability, incorporating techniques such as enhanced memory management and multi-threading. You can tune the performance and quality of the solution to your needs by setting various parameters and choosing from a variety of planning algorithms within the web based user interface. Oracle Transportation Operational Planning Cloud offers both batch and transactional planning engines that call into the same underlying logic to produce consistent, high-quality solutions. Further, via a simple and intuitive graphical user interface, you can leverage the advanced algorithms to ensure that transportation plans are optimized to your specific needs while respecting real-world constraints. The solutions' open optimization architecture enables you to call into the planning engines from various points of the order/shipment lifecycle enhancing your capability to respond to changes and exceptions.

Improve and Enhance Planning Processes, Reduce Transportation Costs

Oracle Transportation Operational Planning Cloud empowers shippers and logistics service providers to streamline transportation processes and meet customer commitments. It lowers transportation costs, improves customer service and provides flexible, global fulfillment options. As an integrated component within Oracle Transportation Management Cloud, Oracle Transportation Operational Planning Cloud automatically selects carriers, rates shipments, generates routing, and tracks deliveries from departure to receipt. The solution produces savings by determining the lowest-cost carrier and route for every shipment, across every mode, all over the globe. Oracle Transportation Operational Planning Cloud enables your logistics enterprise to:

- Efficiently plan inbound, outbound, and inter-facility orders by collaborating with your logistics service providers and your internal fleet, if applicable.
- Optimize all shipping decisions. As examples, combine small shipments into full truckloads. Create multi-stop trips and pooling solutions via consolidation, deconsolidation, and cross-docking points. Consider small parcels that may be shipped more optimally via Less Than Truckload (LTL). Evaluate opportunities that take advantage of discounted rates through continuous moves. Plan air and vessel moves according to schedules.
- Take advantage of the industry's most flexible rating engine that manages the complexities associated with rates of all modes and structures. The unique architecture enables hybrid costing capabilities to evaluate freight based on your unique rate requirements. Ensure compliance with customer-provided routing guides as well as your own internal carrier policies. Manage constraint-based rules such as compatibility, location calendars and capacity, and equipment availability.
- Automatically assign carriers to shipments based on optimal cost or specified routing instructions.
- Proactively plan at any stage of the order/shipment lifecycle. For example, if a delivery is late, determine the downstream impact to other stops or legs and notify involved parties as required.
- Invoke the powerful optimization capabilities in the context of Oracle Transportation Management's workflow engine and create sophisticated workflow rules to sense and respond to exceptions.
- Account for common carrier rates, costs and constraints while weighing decisions against the costs and capabilities of your fleet. Determine where and how to deploy your fleet resources to improve customer satisfaction and service levels while

maintaining low operating costs.

- Utilize advanced trailer and container loading algorithms as part of the shipment-building engines to ensure that equipment selection is based on accurate utilization measurements and not on simple weight and cube summation estimates. Take into account item shape, size, stack-ability and other constraints to build efficient and high-utilization shipments.
- Improve the appointment scheduling process (Figure 3) throughout your network with access for internals and logistics service providers. Globally or regionally, view, manage and schedule pick-up and delivery appointments for shipments and orders. Model and consider location and dock-door level constraints when planning and executing shipments. Dictate available options to involved parties for shipping and receiving.
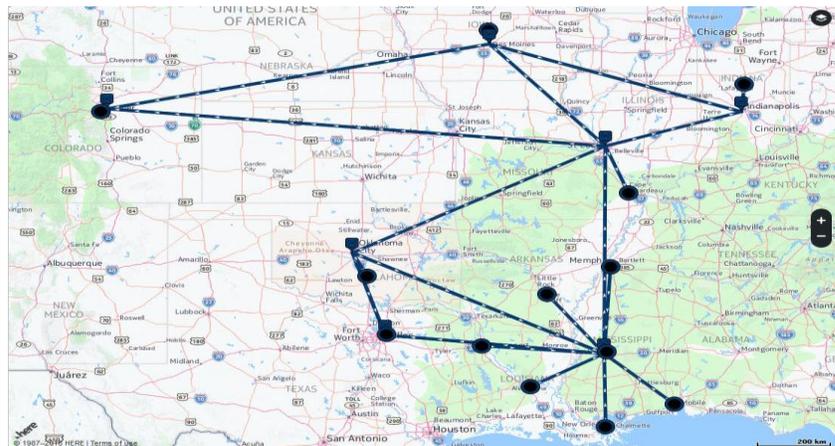- Support all currency, language, and localization requirements.

Figure 2: Oracle Transportation Operational Planning Cloud optimizes all modes and across all geographies, determining the right course of action for all orders and shipments based on cost, service level and asset availability.
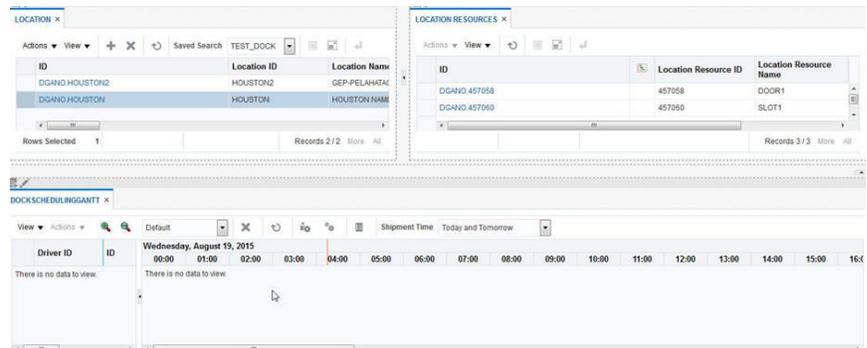

Figure 3: Oracle Transportation Operational Planning Cloud provides the ability to automate and enhance the appointment scheduling process.

A Single Transportation Solution Provides the Optimal Solution

Oracle Transportation Operational Planning Cloud enables you to plan all your transportation requirements in one place – that is, all supply chain flows (outbound finished goods, inbound supplies, inter-facility shipments, and returns), all modes of transport (over the road, air, ocean and rail) and all geographic areas (domestic and

international). Additionally, plan fleet and external service provider resources in one place. As a result, you can support the nuances of your regional and global logistics operations while reaping the benefits and efficiencies provided by a single transportation management solution.

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Oracle is committed to developing practices and products that help protect the environment