ORACLE IN-MEMORY LOGISTICS COMMAND CENTER

Leverage Oracle Engineered Systems to maximize the performance of your logistics network with rapid simulation and what-if analysis capabilities

Rapid Logistics Scenario Management

Oracle In-Memory Logistics Command Center (LCC) is an innovative supply chain application for companies seeking to optimize the performance of their logistics operations. Designed specifically to exploit the capabilities of Oracle’s Engineered Systems, Oracle In-Memory Logistics Command Center provides the means to perform rapid simulations and what-if analyses of your logistics network using real-world operational data, rules and constraints. This is in direct contrast to traditional solutions that have required the use of inherently inaccurate aggregated data to consider network options. This unique approach to logistic scenario management enables companies to increase supply chain resiliency and agility, decrease costs, and improve service levels (see figure 1).

The key capabilities of Oracle In-Memory Logistics Command Center include:

- Support for both strategic and operational scenarios. Packaged scenario templates enable easy analysis of a number of supported scenarios (e.g., carrier freight rate change analysis). Users can also define their own scenarios for analysis.

- Specify key criteria such as order sets, time duration, etc. to constrain and shape the analysis in order to better reflect real-world operational conditions.

- Extract key metrics and visualize them using an advanced analytics framework to better understand and compare multiple scenarios side-by-side. LCC’s analytical capabilities are delivered using Oracle’s best-in-class business intelligence technology.

- Packaged support for a number of key performance metrics and associated dashboards that support a variety of slice-and-dice, drill-down and ad-hoc query mechanisms to provide a detailed understanding of network performance. In addition, the user has the ability to create custom metrics and visualizations.

- Store scenario analyses indefinitely for future reference. This allows for past analyses to be referenced and utilized when similar risks or scenarios arise elsewhere in the network. The implementation impact of policies in practice can also be easily compared with the scenario analysis that drove them, allowing for continuous learning and improvement of strategies.

- Out of the box integration with Oracle Transportation Management to copy relevant operational data.
Strategic Scenario Management

Strategic scenario management allows you to optimize your logistics operations for the long term. It typically involves modeling changes in key business conditions and then analyzing the impact to the logistics network over the longer term. Resulting policies may require a network configuration change or a response strategy that could have a high impact to the network. This is balanced by the fact that they will often lead to significant and high-value changes resulting in considerable savings to the operation. We view the ground-breaking approach taken by Oracle In-Memory Logistics Command Center of simulating the real-world operational network with all the associated detail as fundamental to generating accurate and implementable results.

Examples of strategic scenario analysis include:

- Logistics Network Disruptions
- Freight Cost Changes
- Carrier/Service Provider Risk Management
- Supplier/Vendor Risk Management
- Logistics Network Route Evaluation
- Sustainability Evaluation
- Cost-to-Serve and Profitability Analysis of adding new customers, new divisions, new lines-of-business, and new geographies to existing logistics networks.

Operational Scenario Management

Operational scenario management involves analyzing multiple transportation options for the current logistics demand and determining the optimal approach. Typically, operational systems present the user with a single shipment plan based on a single objective – usually to minimize costs. Oracle In-Memory Logistics Command Center allows analysis, within the context of the daily business process, of different logistics strategies simultaneously for the same operational data to determine what the best strategy is today. This provides a new way to optimize operations that is simply not available from other systems. Executing the resulting solution typically requires little to no network change while providing significant savings over current operations.

Related Products:
- Oracle In-Memory Logistics Command Center is a key component of Oracle Transportation Management and the Value Chain Execution suite of solutions.

The Oracle Transportation Management system was built to provide a single, complete solution to manage all aspects of transportation and logistics. The following options are available with Oracle Transportation Management:

- Fleet Management
- Forwarding and Brokerage Operations
- Freight Payment, Billing, and Claims
- Fusion Transportation Intelligence
- Logistics Inventory Visibility
- Transportation Operational Planning
- Transportation Cooperative Routing
- Transportation Sourcing

Other Related Products:
- Oracle Global Trade Management
- Oracle Customs Management
- Oracle Trade Compliance
- Oracle Global Trade Intelligence
- Oracle In-Memory Logistics Command Center
Examples of operational scenario management include:

- Logistics constraint analysis (can constraints be relaxed to achieve a better solution?)
- Algorithm choice/setting analysis (which setting works best for today’s orders?)
- Operational network analysis (are non-traditional routes, modes, carriers applicable today?)

**Faster Time To Value**

LCC has been designed, built, scaled, and tested from the ground-up as a hardware and software package specifically and exclusively for Oracle Engineered Systems. This enables highly accelerated implementations because the In-Memory products were built only for the targeted platform and take advantage of unique capabilities of the stack throughout the product design including development, testing, and performance tuning. When customers deploy the system, the software and hardware are deployed in unison and operate as a cohesive solution, reducing overall cost of deployment and ownership.

**Contact Us**

For more information about Oracle In-Memory Logistics Command Center visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.