

Zero Latency Supply Chain

Today's supply chains are complex, spanning across multiple ecosystem partners, spread across multiple geographies, and managed by multiple stakeholders. When there are fluctuations in supply or demand, this complexity can lead to problems such as stock outs, inventory pile ups, lost revenues and unhappy customers. The **Oracle Zero Latency Supply Chain (ZLSC)** solution provides a framework to sense and orchestrate supply chain events with near zero latency such that organizations can achieve **better predictability and quicker responses** to their supply chain processes. The Oracle ZLSC solution leverages the Oracle Intelligent Track and Trace (ITT) application and is designed to easily integrate with Oracle PaaS and SaaS solutions as well as 3rd-party systems.

IDENTIFY AND RESOLVE UNPLANNED SUPPLY CHAIN EVENTS

Processing and analyzing end-to-end (E2E) real-time supply chain events are a big challenge for many supply chain managers. Today's supply chains have high latency that can lead to suboptimal performance including high inventory costs, constant demand supply mismatch, poor product quality and less trust among ecosystem partners. Identifying and resolving these challenges on a real-time basis lowers overall supply chain costs and improves customer satisfaction.

The Oracle ZLSC solution:

“Achieving end-to-end (E2E) supply chain capability is much more than a good demand signal”.

Gartner, September 2019

Key Benefits

- Reduce latency of the E2E supply processes for better predictability
- Proactive response to volatile and unpredictable events with alternate plans
- Reduce supply chain costs
- Monitor product quality and resolve quality issues proactively for better customer satisfaction
- Monitor compliance requirements such as conflict minerals and country of origin
- Improve process execution across the supply chain through exception-based alerts and automation
- Get a quick view of supply chain parameters in a unified dashboard

- Provides integrated E2E supply chain collaboration and orchestration for better predictability of supply chain processes.
- Gives you and ecosystem partners the ability to quickly resolve supply chain issues.
- Allows your supply chain managers to monitor product quality and resolve issues in advance to minimize rework, reduce scrap and optimize costs.
- By detecting supply chain disruptions on a real-time basis, empowers your supply chain managers to take alternative actions to meet customer fulfillments.
- Includes a solution dashboard for a 360-degree view of your E2E supply chain processes with key performance indicators (KPIs) for better planning and control.
- Integrates with an AI-powered Oracle Chatbots for simplified, conversational access to real-time supply chain status information.

STREAMLINE AND AUTOMATE SUPPLY CHAIN PROCESSES

The Oracle ZLSC solution streamlines supply chain exception handling and automates E2E supply chain processes to improve predictability and execution. It includes the flexibility for you to introduce new automation processes agreed upon by all parties:

- Smart Contracts can manage any process exceptions. For example, Sales Order Quantity must match Purchase Order Quantity during the supply chain execution phase.
- Smart Contracts combined with Oracle IoT Cloud can monitor your process parameters and take necessary actions if the thresholds of the parameters are violated. For example, during transportation by 3rd-party logistics providers (3PLs), you can monitor vibration thresholds and put the Purchase Order (PO) on hold while changing the payment terms from net 30 to net 45 days.
- Fully automate specific supply chain processes. For example, monitor the delivery date of a particular PO and, in the case of early delivery, incentivize the partner by awarding a discount. This can lead to higher trust across your partner network and result in improved demand fulfillment.

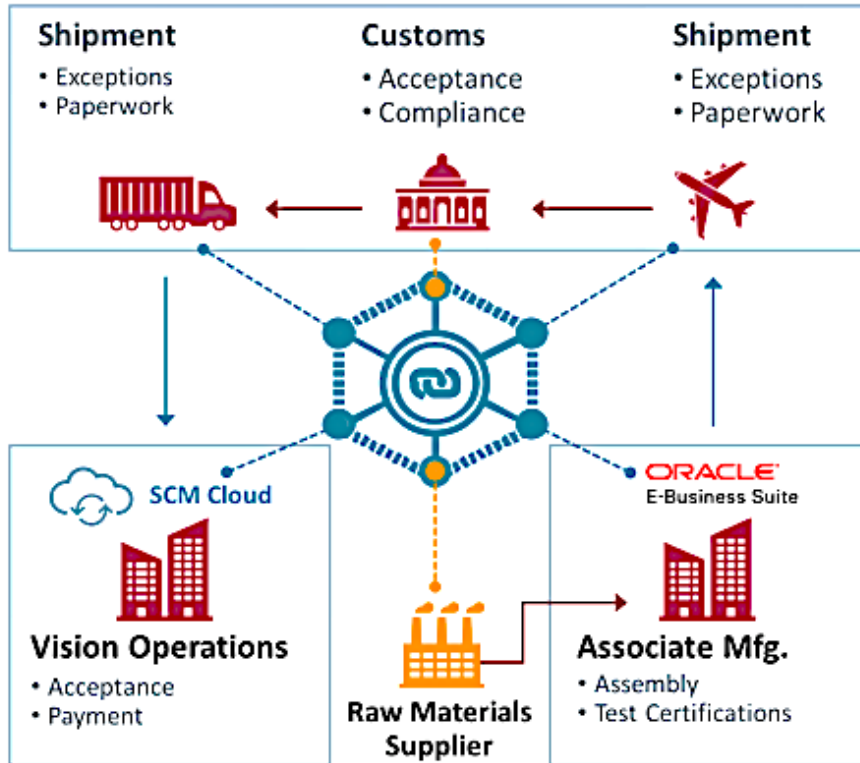
Key Features

- Leverages Oracle Intelligent Track and Trace (ITT), Oracle Blockchain platform and integrates with enterprise systems such as SCM, ERP, OTM, and SCC
- Integrates with IoT for real-time event management
- Smart Contract Configurator templates for easy configuration
- Intelligent Chatbot for supply chain status inquiries
- Powerful dashboard with KPI-based analytics

ENSURE PRODUCT QUALITY AND COMPLIANCE

Managing compliance issues for multiple stakeholders who are dispersed across multiple geographies can be cumbersome, costly and time consuming. The Oracle ZLSC solution simplifies these challenges:

- Smart Contracts execute supply chain transactions within the framework agreed upon by all parties, making contract compliance easier and reducing transaction execution time.
- Smart Contracts with Oracle IoT ensures that all the necessary compliance documents are included by a supplier before moving on to the next step of the execution process, making supply chain execution more responsive.
- Oracle ZLSC monitors and manages product quality across the entire E2E supply chain network and takes proactive actions for any product quality issues.
- Oracle ZLSC allows you to streamline custom clearance processes to reduce product delivery times.



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