Analyst Workbench

Precise supply chain orchestration, including the ability to shift both agilely and accurately as conditions change, has become a business imperative. That means achieving near real-time visibility across the end-to-end supply chain — and enabling a rapid, data-driven resolution when exceptions are identified.

The good news? Digitalization has provided companies with access to enormous volumes of near real-time data from across the supply chain, the trading partner network and third-party data sources. By ingesting and analyzing that data, they can distinguish between "normal" supply chain conditions and looming anomalies —like an unexpected product or labor shortage — that will affect their ability to achieve critical performance targets. By anticipating these events in advance, they can resolve them proactively, before they negatively impact financial results or customer relationships.

However, most companies are overwhelmed by the sheer volume of available data, and they lack structured processes to collect it, analyze it and apply it to their everyday decisions. Instead, data is scattered across the extended supply chain, - neither accessible nor actionable.

The Blue Yonder Solution

Analyst Workbench (AWB) is a comprehensive data acquisition framework that can ingest near real-time data from any source, apply advanced analytics, and deliver it in a tactical, usable format via an interactive user interface

Combining Blue Yonder's market leading technology and IP with Snowflake's powerful data management capabilities, the solution enables companies to access, share and consume live governed data, industry-specific datasets and data services at scale — without the latency, cost and effort required with technical integrations across applications or with traditional data marketplaces. Analyst Workbench provides a user-friendly, easily accessible interface to access and view the rich set of unified data that's centrally stored in a common data cloud.

Built for today's complex omni-channel world, Analyst Workbench lets companies mix, match and analyze data from any digital touch point in their extended ecosystem. This powerful solution creates a digital twin of the physical supply chain that enables companies to monitor and improve its overall health and profitability — including the utilization of inventory, labor and transportation assets. Companies can easily apply near real-time data to improve key performance indicators (KPIs) that directly impact cost and service outcomes.

Key Benefits

- Greater responsiveness to changing conditions across the end-to-end supply chain
- Cost reductions and service improvements, enabled by fact-based decisions
- Improved visibility and collaboration across the partner ecosystem
- Increased utilization of inventory, labor, transportation and other assets

Capability Details

A unified approach to data

How data is structured on the back end plays a key role in the analytics space. Across the supply chain, individual functions may have different microservices that store data in different formats. For example, an allocation and sourcing microservice will have its own data structure and data store, and an order fulfillment service will similarly have its own. This makes data usability challenging, necessitating additional maintenance and manipulation of data. Blue Yonder has adopted a "one data" policy for its unified analytics landscape, where data gets stored based on different omnichannel functions — for example, order, inventory, labor or transportation management — resulting in a robust data landscape with enhanced usability. Data is collected from the moment a customer lands on a website and continues through inventory management, warehousing, order management, fulfillment and transportation. This provides a full 360-degree view of supply chain data, as well as end-to-end insights into the overall product journey and customer experience.

Advanced visualization of data

Once data is acquired from multiple sources, visualizing the data becomes a key contributor to tracking supply chain performance. The Analyst Workbench framework works on top of the unified data stored in the common data cloud and provides an interactive, consumer-like interface that enables users to easily visualize how current results compare to different KPIs. Analyst Workbench also allows users to create their own dashboards so they can focus on their own priorities and objectives. As their reporting requirements change, they can generate new reports or edit existing reports to create a uniquely personalized view of the data.

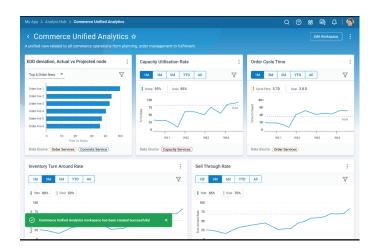### A personalized, role-based perspective

Across the supply chain, stakeholders have different data needs, and Analyst Workbench provides a role-based perspective that reflects each one. For example, the fulfillment team might notice a sudden increase in split shipments that are driving costs up. As they search for a root cause and define a resolution, users need to isolate the data that's directly related to that problem. Using Analyst Workbench, users across the supply chain can slice and dice different data elements across different dimensions —e.g., selling channel, product category, location and time of day — to study problems in depth. Analyst Workbench also enables users to configure alerts based on thresholds that they define. Reports can be saved in a personalized dashboard and revisited as conditions evolve.

Seamless integration with other solutions and systems

Today's complex supply chains typically include a range of systems and tools, including order, labor, warehouse and transportation management solutions. Analyst Workbench comes pre-integrated with other Blue Yonder software and microservices to bring near real-time data from across these functions together in a unified data repository. Users have access to the same data, dashboards and reports, enabling a true digital transformation of the end-to-end supply chain.

Key Features

- Provides a unified data cloud, pulling from internal, partner and third-party sources

- Supports end-to-end supply chain orchestration, in near real-time

- Identifies exceptions and enables a fact-based response

- Seamlessly integrates with other supply chain systems and solutions

- Enables data-driven performance measurement and continuous improvement

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Digital transformation is at your fingertips

To learn more, visit blueyonder.com

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