



Optimized Fulfillment Sourcing

Leverage simulation to test and verify new fulfillment rules in advance — to achieve predictable outcomes

Business Context

In today's volatile omni-channel selling environment, it can be challenging for fulfillment teams to optimally source products, making intelligent trade-offs that strategically balance cost, service and other outcomes. With the Blue Yonder Commits microservice, one can be confident they're choosing the best fulfillment routes, supported by advanced algorithms. They can make and keep fulfillment promises, profitably. As time passes, supply chain stakeholders need to remain aware of each factor that drives their fulfillment profitability and efficiency. They need the ability to audit the fulfillment optimization process, test new rules via simulation and what-if scenarios, and adjust decision parameters to support predictable outcomes, even as conditions change.

For instance, one may want to consider the probability of markdowns as they pull inventory from stores. Or they may want to factor sustainability into fulfillment decisions. Retail teams simply don't have time to allow various fulfillment scenarios to play out, analyze their effectiveness, and then determine if changes should be made.

Key Benefits



Monitor and assess today's sourcing routes



Proactively plan tomorrow's sourcing routes



Increase returns on Commits and Order Promising investments



Maximize margins based on optimal decisions



Achieve higher service at a lower cost

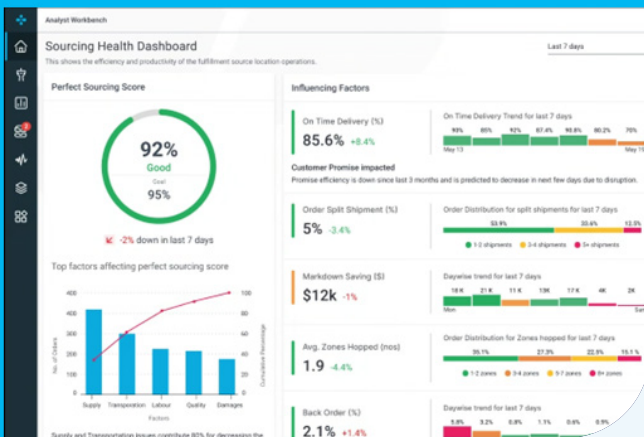


The Blue Yonder Solutions

Enter two powerful solutions from Blue Yonder, purpose built as an add-on to Commits service to optimize fulfillment sourcing

Sourcing Dashboard

Sourcing Dashboard provides a real-time view of all the factors that are driving today’s sourcing decisions. It enables users to track, troubleshoot, break down and analyze the current fulfillment optimization routes defined by Commits and Order Promising. Fulfillment teams can see the real-world results of those decisions in terms of cost, service, sustainability and other metrics.



Rapid implementation and easy integration

Blue Yonder’s microservices-based, modular approach makes it fast and easy to get new solutions up and running on the same platform that hosts other Blue Yonder order management software. Fulfillment sourcing solutions connect seamlessly to other Blue Yonder products and share the same real-time data, for a single version of the truth.

Sourcing Simulator

Sourcing Simulator helps create a plan for the future by modeling various new business rules in a risk-free, virtual environment. This solution enables a digital twin environment that predicts the outcomes of any new fulfillment decision parameters in advance. For example, when considering changes in inventory levels or staffing, fulfillment team members can test these new conditions — then make fact-based, data-driven choices based on their simulations.

Capability Details: Sourcing Dashboard

Ability to understand complex optimization rules

Do you know what’s fueling your current sourcing decisions? Sourcing Dashboard makes it clear. It simplifies the complicated process of fulfillment optimization by revealing the real-world impacts of today’s underlying fulfillment rules.

Support for data-driven, fact-based decisions

With its multiple channels and delivery modes, today’s fulfillment environment is characterized by complexity — too much complexity to be accurately addressed by human cognition, manual analysis and non-specialized tools. Blue Yonder Sourcing Dashboard performs complex analysis in microseconds. Fulfillment experts can easily visualize the actual impacts of their current decision parameters in Commits and Order Promising.



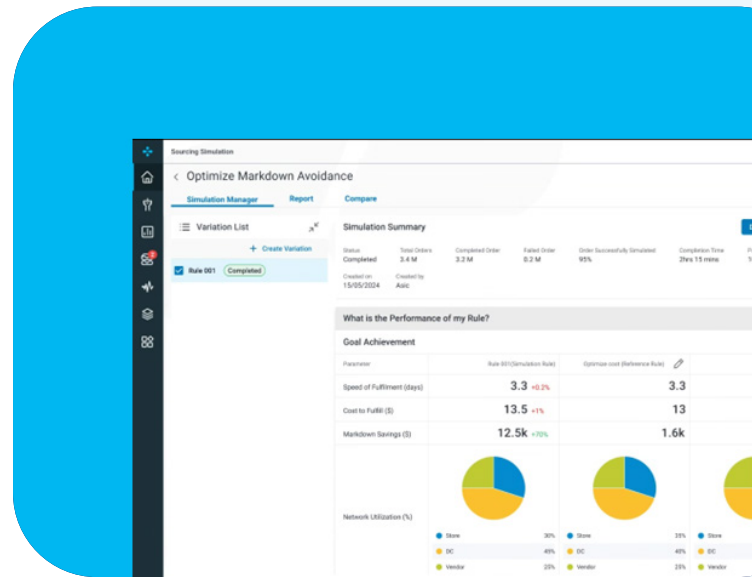
Capability Details: Sourcing Simulator

What-if modeling and scenario analysis

By applying new rules to historical order data, fulfillment teams can create a virtually endless range of what-if models and scenarios. They can identify any hidden costs, unexpected consequences and other surprises before new fulfillment parameters are executed across future orders. Because the results are predicted in advance, planners can implement new rules in Commits and Order Promising with a much higher level of confidence.

Risk-free digital twin environment

Blue Yonder Sourcing Simulator provides a safe and controlled digital twin environment where fulfillment teams can explore an unlimited number of fulfillment optimization scenarios. But it's more than just a simulator. This intelligent solution understands your business objectives and suggests new optimization parameters based on those goals.



Key Features



Enables trade-offs and analysis before executing new sourcing rules



Minimizes risks and costs when changing decision parameters



Increases fulfillment planning efficiency and accuracy



Maximizes service, costs, sustainability and other KPIs



Supports continuous improvement in fulfillment results via iterative modeling



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