 Luminate Logistics

Adaptive Fulfillment & Warehousing

Business Context

The dynamics of fulfillment are changing across industries. Omni-channel and hyperlocal requirements are driving logistics leaders to adapt their distribution networks. While larger, highly automated facilities continue to be important, getting product to customers faster means adapting to support localized fulfillment, including pop-up DCs dark stores, micro-fulfillment centers and for retailers, in store fulfillment such as buy online pickup in store (BOPIS), curbside pickup, ship from/to store and same day delivery/last mile. The dynamics of near-customer fulfillment require rapid activation and rapid onboarding of staff and processes to support the operational requirements to meet delivery commitments.

SaaS-based technologies have enabled the development of solutions that deliver a reduced time to value, eliminating IT overhead costs and enabling rapid activation of warehouses with the ability to respond to fluctuations in operations.

To meet these unique needs, Blue Yonder has created a streamlined set of microservices that are agile, scalable, and extensible to address the specific needs of micro-fulfillment and store distribution networks, helping to drive competitive advantage.

The Blue Yonder Solution

Blue Yonder's Adaptive Fulfillment & Warehousing is a cloud-native, scalable, versionless, set of microservices purpose-built to meet the unique needs of micro-fulfillment across a variety of industries and channels.

Real results



Improve Customer Service Levels



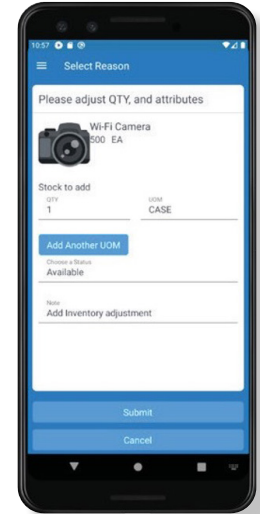
Realize Faster Time to Value



Increase Inventory Accuracy

Adaptive Fulfillment & Warehousing Allows Businesses to:

- Activate and configure a pilot site in weeks with subsequent activations in days.
- Leverage foundational warehouse management capabilities to deliver a streamlined experience aligned with the agile needs of micro-fulfillment.
- Extend beyond traditional warehouse capabilities to support store order fulfillment.
- Simplify staff onboarding with intuitive, consistent mobile interfaces.
- Configure personalized mobile workflow to align with operational processes.
- Respond to changes in operations and new innovations through regularly delivered updates.
- Seamlessly connect via public APIs to external applications and gain access to solutions as part of the Blue Yonder Platform (Data Access Service, Label and Report Designer, Luminate® Control Tower).

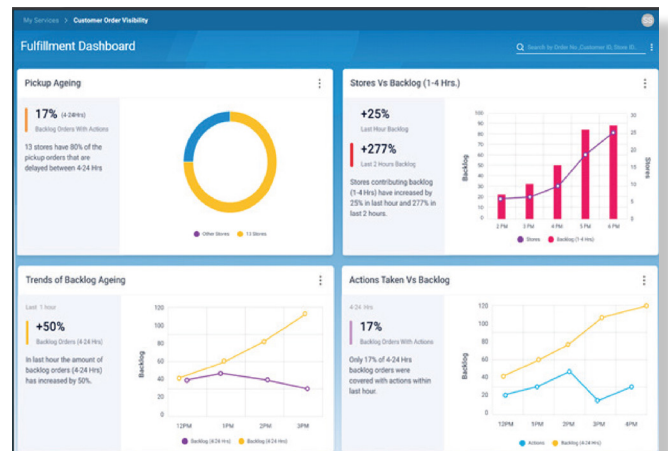
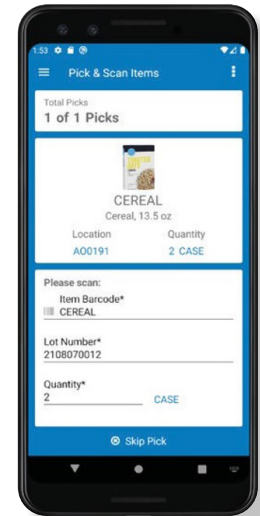


Foundational Capabilities

Comprehensive Warehouse Management & Store Fulfillment Capabilities

Built from decades of expertise, Adaptive Fulfillment & Warehousing will deliver key operational capabilities designed to take manual, paper-based facilities to the next level:

- **Inbound Processing** – Broad receiving capabilities against purchase orders and ASN including trailer check in, directed or undirected unloading and directed or undirected receiving. Tracking of inventory including details such as lot and date tracking along with the generation of system directed putaway activities.
- **Crossdocking** – Rapid end-to-end fulfillment with the ability to flow through product from receiving to outbound.
- **Inventory Visibility and Control** – Full visibility of products and attributes from receipt to shipment. Includes mobile counting for either blind or audit counts. Reporting on inbound, inventory and outbound activities.
- **Outbound Processing** – Allocation rules and sequencing for FEFO, FIFO, LEFO, LIFO with exclusions for expired inventory or locations on hold. Replenishment capabilities to refill forward pick locations. Directed and undirected picking with logical tour building for efficiency. Creation of an outbound load/order through interface or template upload. Packing with the ability to change container size and track carton weight.
- **Store Fulfillment** – Enables store pickup, drive thru, curbside, and same-day with flexible store picking options (single, batch, zone), carrier assignment, manifesting and return to stock.



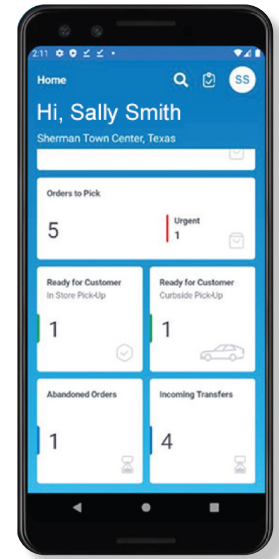
- **Store Command Center** – Delivers complete visibility to store micro-fulfillment activities with actionable dashboard and reports tracing and optimizing retail staff performance.
- **Resource Management** – Create and configure resource availability and tours, along with intelligent task optimization.
- **Last Mile Delivery** – Integration with parcel and last mile delivery providers for final delivery confirmation.

Rapid Configuration, Rapid Time to Value

Adaptive Fulfillment & Warehousing takes the mystery out of configuration, allowing business users to configure and adjust the system with minimal consulting. With an implementation time far shorter than traditional warehouse management systems, Adaptive Fulfillment & Warehousing makes it easy to build a “baseline” configuration that can be rapidly activated across subsequent sites in days.

Expandability with Microservices/Public APIs

Adaptive Fulfillment & Warehousing leverages a modular, SaaS- based architecture that provides ease of deployment, extensibility, and integration. Public APIs simplify the process of creating custom screens or applications to extend AFW. Built on the Luminare® Platform, Adaptive Fulfillment & Warehousing seamlessly integrates with the broad suite of Blue Yonder products to deliver a comprehensive supply chain solution.



Next Generation Mobile Application

Black & Green screens are a thing of the past. AFW provides consumer-grade smartphones capabilities to receive and fulfill orders in the most efficient way possible. Built on Blue Yonder’s Mobile Studio platform, customers can extend standard workflows to meet the needs of their business without compromising their ability to stay current with new software updates.

Description	Quantity	Footprint Codes
Junction Box	1,670	1 Footprint(s)

Family	Allocated Quantity
HOME_SECURITY	10

	Quantity	Allocated Quantity	Footprint	Lot Number(s)	Exp. Date	Manuf. Date
235900	500	0	1 Footprint(s)	-	-	-
	480	0	1 Footprint(s)	-	-	-
	190	10	1 Footprint(s)	-	-	-
282178	500	0	1 Footprint(s)	-	-	-

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Key Features

- Cloud Native SaaS Application. Built on a modular, services-based architecture that allows for rapid deployment, seamless upgrades, and faster time to value, eliminating IT overhead.
- Foundational, Intuitive WMS. Includes inbound, outbound, inventory visibility with a mobile-based interface for rapid staff onboarding.
- Extensible: Personalize dashboards and mobile workflows to meet operational needs.
- Seamless Integration to the Blue Yonder Platform. Ability to broaden capabilities across supply chain.

Designed to Address Unique Fulfillment Workflows

Blue Yonder's Adaptive Fulfillment and Warehousing service-based architecture allows businesses to activate capabilities that best fit their specific operational needs. Some example offerings include:

Urban Warehousing/ Micro-Fulfillment Center/Pop-up DCs

For supply chain network nodes with large item storage, distribution and store replenishment requiring foundational warehouse management flows and handling of products arriving from vendors or regional distribution centers in route to stores or end customers. These can often be pop-up distribution centers, dark stores, or micro-fulfillment centers. Initial site deployments occur in weeks, with activations of subsequent sites in days

Store Fulfillment

For environments that fulfill orders from the store, including curbside pickup, BOPIS and other consumer deliveries, order fulfillment can occur from the backroom or directly from store aisles. Track inventory movement to the retail floor from the stock room. Services such as parcel shipping, can be deployed based on specific needs.

Key Benefits

- **Rapid Time to Value with Business-User Configuration Options** – implement more rapidly than traditional warehouse management with accelerated multi-site deployments based on the initial site configuration.
- **Comprehensive feature set** – capabilities built into a native SaaS solution.
- **Rapid Onboarding of Users Through Intuitive Interface** – rapidly train end users with commonly used, easily recognized screens, buttons.
- **Improved Inventory Accuracy** – digitized operations eliminate common errors from manual transactions.
- **Reduced Customer Service Costs** – improved visibility to inventory, orders, and shipping information limit calls to customer service.
- **Increased Productivity** – intuitive mobile app with a real-time view of activities to ensure accuracy and fast delivery.

Adaptive Fulfillment & Warehousing: A Versionless Solution, Built for the Cloud –

A simple, scalable and versionless combination of fulfillment services designed to meet the needs of micro-fulfillment and store distribution today and in the future.

Learn more at blueyonder.com

blueyonder.com

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