![BlueYonder - Fulfill your potential™]

Blue Yonder July 2024 Launch

At Blue Yonder, we continuously drive innovation and enhance our solutions to better serve your supply chain needs. We're committed to providing you with cutting-edge solutions that streamline your operations and drive efficiency.

Our focus with this release has been on empowering you to make more data-driven decisions and better the utilization of data through the delivery of actionable insights and capabilities to drive more optimization across your supply chain.

90% of companies are **unable to pull real-time insights** from their legacy ERP systems to make smart business decisions.

Source: Businesswire

The ability to seamlessly access and analyze data across systems is crucial for organizations to make data-driven decisions.

Actionable Insights

Deliver superior business outcomes with advanced insights made possible with the Blue Yonder Platform.

Built with robust and comprehensive machine learning (ML) and predictive artificial intelligence (AI), Blue Yonder is enabling enhanced scenario planning and advanced operations analysis to empower supply chain leaders to improve topline business goals, accelerate decision-making, and lower execution costs.

What's New in Retail

- **Transforming Retail Enterprise Planning**: Cognitive Merchandise Financial Planning adds new insight visualization, hierarchical planning, attribute-based analysis, and collaboration capabilities that improve cost control and revenue generation from merchandise planning.
- **Empowering Fulfillment Sourcing Decisions**: Fulfillment Sourcing Simulator allows omni-channel leaders to assess various scenarios, including capacity constraints to understand trade-offs and select optimal alternatives to ensure on-time, in-full delivery and avoid stockouts.

- **Enhance the Digital Retail Experience**: Returns Management solutions use data to handle returns in the best way for each item to improve financial performance, boost customer experience, and reduce wastage. With enhanced carrier selection rules and the ability to promote stores as drop-off locations in the returns journey, retailers gain more control over the returns process.

What's New in Manufacturing

- **Enhancing Productivity and Collaboration**: Cognitive Demand Planning optimizes the process for forecasting new products and transitioning products, as well as provides collaboration across marketing, sales, and operations teams. This allows organizations to offer an enhanced experience for their customers, streamlined inventory management, reduced supply chain costs, and greater control over demand planning processes.
- **Translating Business Goals into Action**: Cognitive Integrated Business Planning enables manufacturers to navigate uncertainties by simulating various risk and opportunity scenarios, aiding in intelligent decision-making and the establishment of a corporate memory with well-documented assumptions.

What's New in Logistics Solutions across Industries and Logistics Service Providers

- **Deliver Greater Efficiency from Yard Operations**: New ML-integrated, vision-based yard analysis automates and centralizes yard management for increased throughput and decreased costs.
- **Improve Task and Staff Efficiency To Ensure SLAs Are Met**: Easily identify warehouse task dependencies for different use cases to ensure tasks are properly optimized and completed in the least amount of time.
- **Empower Communication and Orchestration With AS/RS Technologies**: Robotics Hub now seamlessly integrates with high-volume automated processes and cutting-edge Automated Storage and Retrieval System (AS/RS) technologies. For order flows necessitating rapid communication, such as case induction from pallets, this enhancement minimizes latency and facilitates agile and efficient operations.
- **Introduce the Ability to Schedule Billing Reports**: Users can now schedule billing reports to run automatically and leverage Advance Print Mapping functionality to email reports to users for review.
- **Enable Interoperability of Warehouse, Transportation, and Order Management through Blue Yonder Platform Enhancements**: Blue Yonder provides a real-time, end-to end solution, powered by the Blue Yonder Platform which synchronizes warehouse, transportation, and order management. With expanded interoperable flows and a composable approach, customers have end-to-end visibility and optimization to improve service, profitability, and sustainability.

Explore the exciting new features informing our commitment to innovation.

Blue Yonder Platform

[Solution Sheet](#)

Blue Yonder is connecting the breadth of its solutions – planning, execution, labor, e-commerce, and delivery microservices – to deliver seamless and connected supply chain solutions, all working in real time off the same set of data. The **Blue Yonder Platform** serves as the single source of truth for all supply chain needs, from planning to execution, while reducing latency and data movement and minimizing the cost and complexity of sharing data.

The **Blue Yonder Platform** supports easy, upgrade safe extensibility, empowering Blue Yonder customers and partners to extend and configure their solutions as needed.

Cognitive Planning Solutions

- The end user will have enhanced notification capabilities, advanced dashboard and card features, hierarchical data visualization, enhanced logical model capabilities, and more intuitive filters for better user experience.
- Planners will be able to manage planning parameters and enrich master data in the planning workspace and on a need/ad-hoc basis.
- Business users will be able to extend, author, and share reports.
- Customers will be able to egress input and Blue Yonder plan data.

End-to-End Solutions

- Transformation and distribution service enhancements to support industry offers.
- Onboarded priority legacy planning applications onto the unified data cloud in the **Blue Yonder Platform**.
- Enabled one-click onboarding to the **Blue Yonder Platform**'s unified data cloud, facilitating automatic environment provisioning for POC, demo, and customer implementations.

Evolution and Maturity

- Introducing **Snowflake Data Share** app that allows Blue Yonder customers on Snowflake to effortlessly share data with the Blue Yonder ecosystem. The app is cloud and region-independent and enables customers to govern the mapping, transformation, and sharing of data securely. Additionally, it provides incremental data sharing and facilitates model upgrades.

- Introducing **ML Studio**, a platform designed to standardize and streamline machine learning operations. **ML Studio** provides an automated, pre-provisioned environment for developing and training models.
- Ability to extend the data model (entity and attributes) and configuration of data mapping, transformation, and distribution rules.
- End-to-end data traceability for planning and execution.
- Ability to archive, purge, and backup data.
- Data integrity across streaming and bulk data in the platform data cloud.

Synchronizing supply chain execution
[Overview Video](#) | [Brochure](#)
Blue Yonder provides a real-time, end-to end solution, powered by the **Blue Yonder Platform**, that delivers end-to-end visibility and optimization to improve service, profitability, and sustainability. By seamlessly enabling business workflows through synchronizing warehouse, transportation, and order management, we're able to optimize, mitigate disruption and orchestrate orders, space, movement, inventory, and resources across all logistics nodes.

By connecting WMS, TMS, and OMS, businesses gain cross network visibility and a better understanding of how changes to one system can affect other systems, the eventual customer experience, and cost impacts. Blue Yonder customers can now leverage composable microservices, end-to-end interoperability, and embedded AI and ML, which will help businesses reduce expedites and overtime labor spend and improve fill rate and customer acquisition.

Expanded interoperable flows cover the business processes listed below:

- Ingest inventory hold definitions and ERP to WMS holds
- Ingest multiple eligibility rules in OMS
- Ingest return orders from ERP to WMS
- Process return receipts in WMS
- Handle customer-driven order modifications after TMS planning
- Handle drop ship POs derived from OMS customer sales orders
- Export item footprint data from WMS
- Handle exceptions like order splitting, order lines in TMS and WMS

[Retail Transportation Use Case Video](#) | [Labor Shortage Use Case Video](#)

Control Tower Collaboration

Within **Control Tower Collaboration**, we released order collaboration and advanced ship notice modules in our 2023.4 release. In the 2024.2 release we bring the final module – **procure to invoice**, which helps businesses streamline and automate the invoice management process with their suppliers. It enables efficient collaboration between suppliers and buyers in near real-time, simplifying the invoice handling, processing, and payment tasks.

It can be integrated with popular accounting software, e-commerce platforms, and procurement systems, which allows smooth data flow and reduces the need for double entry.

Here are the new features and capabilities:

End-to-End Visibility
Seamless integration with the existing order collaboration module, offering end-to-end visibility from order creation to invoice processing. Users can track the entire lifecycle of an order, including invoicing details, in one consolidated platform.

Efficient Invoice Processing
The solution can generate auto-invoice and capture invoice data from various sources such as physical documents attachment, EDI (externally converted to Blue Yonder data model), or CSV/Excel upload. It can match invoices against purchase orders or deliveries to validate the accuracy of billing information and quantities. It helps identify discrepancies, exceptions, or potential errors, reducing the risk of overpayment or duplicate payments.

Automated Workflows and Notifications
The solution eliminates manual data entry by automatically populating the extracted information into the system. It enables the creation of customized approval workflows to route invoices to the appropriate personnel for review and approval. Automated notifications and alerts for upcoming invoice due dates, reduce the risk of late payments and associated penalties. It also offers proactive alerts for potential issues or discrepancies in the invoicing process.

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Supply Chain Planning

Cognitive Demand Planning
[Solution Sheet](#)

Cognitive Demand Planning radically re-shapes the foundational process of demand planning by combining extensible machine learning and statistical techniques to generate a high-quality, mix-and-match forecast that improves the planner productivity and helps reduce supply chain costs. The solution further provides a consolidated view of demand-related information, supporting collaborative consensus demand planning workflows across marketing, sales, and operations teams in their need for visibility into numerous demand plan aspects, considering the various internal and external input sources that impact demand planning.

Here are the new features and capabilities:

Explainability
Blue Yonder's new machine learning model available in **Cognitive Demand Planning**'s forecasting service enables planners to understand the impact of features on a model in an easier manner at aggregate levels, helping drive faster decisions and building trust on the model with little to no data science assistance.

Optimized New Product Introduction and Phase-In/Phase-Out Planning Experience
Planners can now plan for new and transitioning products in a more efficient manner on the **Blue Yonder Platform**. Leveraging the learnings from decades of Blue Yonder forecasting implementations, an easy and standard mechanism to generate forecasts for new and transitioning products is introduced to **Cognitive Demand Planning** in this release.

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Cognitive Integrated Business Planning
[Solution Sheet](#)

Cognitive Integrated Business Planning enables organizations to translate business goals to financial and operational plans, navigate uncertainty by simulating multiple risk and opportunity corridors, make intelligent trade-off decisions, and build corporate memory with well-documented assumptions.

Here are the new features and capabilities:

Process Orchestration

Effective and timely decision making enabled by easier stakeholder collaboration across multiple business functions.

Plan Variance
Aids informed decision making and target attainment by providing inline decision support by tracking target-to-plan, plan-to-plan, plan-to-actuals variances to drive desired business outcomes.

Risks and Opportunities
Log risks, opportunities, business assumptions, and contingency plans are evaluated before the final decision.

Lever-Based Scenarios
Allows organizations to configure a set of resolution playbooks based on characteristics of their supply chain and decisioning process. The playbooks help to respond to unplanned events with multiple mitigation options for holistic decision making using cross-functional trade-offs.

Supply Balance
Allows organizations to create long-range supply forecast in terms of make/move/buy signals and capacity requirements using heuristic techniques. Empowers users to contain the impact of what-ifs to a limited business segment while keeping the rest of the plan intact using intelligent network subset.

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Retail Planning & Category Management

Cognitive Merchandise Financial Planning
Solution Sheet

Cognitive Merchandise Financial Planning radically re-shapes the foundational process of retail enterprise planning by combining predictive and generative AI to free merchandise planners from manual KPI calculation, reconciliation, and in-season adjustment. It also allows them the freedom to use their expertise and domain knowledge to drive faster, better, and more agile decisions.

Here are the new features and capabilities:

Insights and Exceptions Visibility
Planners and other users can review aggregated insights and exceptions from a

dashboard or performance analysis view before detailed planning where they can correct these exceptions.

Lever-Based Scenario Planning

Planners and other users can define levers in terms of different values of one or more measures like average unit price, gross margin percentage, and sell through percentage. They can use these to generate what-if scenarios of plans and compare them in a predefined scenario comparison report.

Planning by Alternate Hierarchies

Planners and other users can create plans by primary and alternate planning hierarchies. For example, they can create and analyze plans by primary product hierarchy such as class, department, and total department, and use buyer hierarchy such as class, buyer, and total buyer. It supports product, location, and time dimension.

Planning by Attributes

Planners and other users can slice and dice planning targets by attribute. This includes analyzing historical performance by key attributes such as price points, season code, and product type, and setting sales, margin, and stock targets for plans created at class and subclass levels by these key attributes.

Collaboration Through Situation Room

Planners and other users can create an assumption which could be an identified opportunity or a potential risk. For example, planners can create an end of season promotion and invite/add participants like other planners, Senior Merchandiser, and Manager to discuss, get live feedback, and have a consensus before finalizing sales, merging, or stocks targets.

Cognitive Merchandise Forecasting
[Solution Sheet](#)

Cognitive Merchandise Forecasting is an add-on SKU to **Cognitive Merchandise Financial Planning**. It simplifies and accelerates the merchandise planning process, while ensuring a higher quality output. It provides:

- **Autonomous Mix and Match Forecasting**: Interpretable and adaptable ML, statistical time series, and mix & match (combined predictions of multiple models) models available for forecast metrics, including Blue Yoder patented ML models.
- **Seasonal Trend Sensing**: Avoid offline and isolated trend analysis by leveraging ML-driven trend sensing that frees merchandisers to focus on shaping plans.

- **Future Event Awareness**: More accurately and automatically predict the impact of future events, promotions, and pricing decisions during the planning cycle based on automated AI insights.

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Forecasting for Retail
[Solution Sheet](#)

Forecasting for Retail is a turn-key service that has been designed and configured using the best practices that Blue Yonder has identified during its engagements over many implementations.
It delivers AI/ML-driven demand predictions that allow retailers to improve forecast accuracy. The 2024.2 release unlocks interoperability of **Forecasting for Retail** with other solutions on the **Blue Yonder Platform**.

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Clearance Price
[Grocery](#) | [Hardlines](#) | [Softlines](#)

Clearance Price is intelligent pricing, improving markdown performance in every way. It delivers more profitable store specific markdown prices for seasonal, end of promotion, and de-listed products using cutting-edge AI and ML that continually measures demand and price elasticity. Strategies defined prior to clearance are automatically executed and adapt to changing market conditions, increasing profitability.

Here are the new features and capabilities:

PredictHQ Events Integration
Download event calendar and dates from PredictHQ. These are used to train the pricing model and to predict future prices.

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Fresh Markdown Optimization
[Solution Sheet](#)

Fresh Markdown Optimization is used to optimize the sell-through of fresh groceries with intraday markdown recommendations dependent on the expiry date and the quantity available to sell.

Here are the new features and capabilities:

Intraday Predictions
Finds the optimal markdown price based on an intraday demand forecast and the retailer's markdown strategy.

Strategy Configurations
Balances the potential for revenue against risk of wasting leftover inventory.

Commercial Strategy Configurations
Supports different markdown strategies, or ways of specifying the balance between revenue and waste.

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Intelligent Allocation
Solution Sheet

Intelligent Allocation is a low-touch, visual, intuitive distribution system that leverages flexible need calculations, user-specified parameters, powerful distribution engine, custom scoring rules, automated distributions, comparative scenarios, and system-based analysis to produce distributions of pre-pack and loose merchandise that meet customer business requirements.

Here are the new features and capabilities:

Enhance Min/Max Specification Options
An administrator can specify generic minimums/maximums by pack or product level in method manager so that these options can be leveraged by scheduled distributions without user intervention.

Automate Release of Ideal Distributions
A user can specify an option for the system to automatically release an allocation if the resulting score is at or above the ideal level. This improves efficiency for both manual and scheduled distributions and allows the user to focus on distributions that don't score well.

Filter Detailed Results for Unacceptable Scores
If a distribution has some stores with scores below the acceptable level, the user can easily find those stores to determine the impact or adjust parameters as necessary to produce a better allocation.

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Resourcing & Labor Management

Advanced Scheduling
[Solution Sheet](#)

Advanced Scheduling gets you the right number of employees with the right talent to best meet your business needs. Once labor requirements are established, shifts can be assigned based on chosen criteria: employee preferences, minimum or maximum service levels, or other considerations. This highly automated process ensures creation of an optimized schedule based on business needs, even adjusting midweek as needed.

Here are the new features and capabilities:

Scheduling to Employee Preferences by Seniority
The scheduling service can consider employee ordering when applying employee preferences and their ranked preference types while assigning shifts. This feature helps employers comply with company policy or legal requirements without manual intervention and prevents them from receiving penalty charges for labor violations.

- Administrators control usage of this feature by configuring the scheduling run type with the preferences by seniority custom goal.
- Administrators can tell the service to place a much heavier weight on the top-ranked preference and select desired rules around how the preferred time range is measured.

Expanded Shift Preferences to Unfilled Shifts

- The scheduling service provides an option guiding the preferred criteria for creating unfilled shifts around the creation of assigned shifts. This feature can reduce the number of unfilled shifts that would be difficult to assign with the site's employees' preferences, thereby ensuring that employees receive more hours towards their maximum daily and weekly hours.
- Administrators control the duration and placement of unfilled shifts during schedule generation by configuring the unfilled shift preference goal in a scheduling run type.

Minimum Time Between Two Shift's Start Times
Not only can **Blue Yonder Workforce Management** validate the time between two shifts (end of one shift to the start of the next shift), but it can also evaluate the time from the start of one shift to the start of the next day's shift. This feature helps employers comply with company policy or legal

requirements without manual intervention and prevents them from receiving penalty charges for labor violations.

- This validation automatically applies to both shift creation and editing by a manager in the schedule editor and by the scheduling service during schedule generation, as well as shift assignment during employee swaps and pick-ups in the shift marketplace.
- Administrators control this feature via shift strategy configurations.

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Time & Attendance
[Solution Sheet](#)

Time & Attendance is a crucial way for retail stores to track employees' clock ins and outs. Automation means managers spend less time ensuring the right employees are clocking in at the right time while alerts are sent for exceptions to be reviewed and corrected if needed. Audit trails track time off, accruals, attendance exceptions and more.

Here are the new features and capabilities:

Multiple Minimum Wage Values
The solution now offers enhanced compliance features, catering to users requiring adherence to two sets of minimum wage values. This functionality allows the creation of tiered minimum wage structures with varying thresholds, accommodating different criteria. Users can specify two minimum wage category definitions with unique thresholds, utilize pay rules based on school calendars, set age-based wage ranges, and implement a tiered approach to minimum wage within the same region. Additionally, users can tie minimum wage rates to minor rules, ensuring compliance with varying wage regulations based on school sessions and overtime thresholds.

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Omni-Channel Commerce

Fulfillment Sourcing Simulator
[Solution Sheet](#)

Fulfillment Sourcing Simulator is an add-on SKU to **Blue Yonder Commits Service** that serves as a digital twin for fulfillment sourcing decision making. It

allows for simulation of different order fulfillment scenarios, with and without capacity constraints, by providing precise inventory timelines across the network based on the simulator's decisions. The tool enables configuration of rules based on business objectives and helps understand trade-offs between competing objectives. Users can apply new rules in real time and test multiple what-if scenarios against historical data to select the most optimal alternatives.

Key features include situation room team collaboration tools, KPI roll-up and drill-down capabilities, continuous feedback integration with commerce suite, and a secure digital twin environment for experimentation.

Here are the new features and capabilities:
Enhanced Simulation Capability by Including Capacity Constraints
Capacity constraints can be set at the location level as an input parameter for simulation, improving the accuracy and reliability of sourcing decisions and optimizing business outcomes. The simulation results can be used to refine current rules or create new ones.

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Returns Management

Returns Orchestration

Returns Orchestration uses data to handle returns in the best way for each item to improve financial performance, boost customer experience and reduce wastage. Orchestration rules determine the speed, method and location of the returned item based on the size, weight, returns reason, SKU, consumer, value and inventory strategy.

Here are the new features and capabilities:
Returns API Enhancements
Retailers can now programmatically book and manage returns more easily than before, making integrations with 3P systems or headless return deployments straightforward. Enhancements include new return validations to further operational resilience and a new 'eligibility' endpoint - driving the optimum returns selection across every channel.

Dynamic Carrier Rules
Retailers can set rules around which reverse logistics carrier they use for each return - for example easily triggering cheaper carriers for smaller items and

two-man pick-ups for big and bulky items.

Store Promotion Rules
Retailers can easily promote their own stores as drop-off locations during the consumer returns journey, driving customers into their store to spend more and consolidate returns.

Drop-Off Kiosk

Drop-off Kiosks give customers self-service kiosks where returns can be completed in under 60 seconds, giving a convenient and simple experience, while freeing up staff for other in-store work.

Here are the new features and capabilities:
New DOK Eco
The **Drop-off Kiosk** Eco (DOK Eco) offers the high-quality customer and staff experience of the standard drop-off kiosk, but being produced with lower gauge materials, it provides a cost-effective option for lower volume locations.

Warehouse Management

Warehouse Tasking
Solution Sheet

Blue Yonder Warehouse Tasking is a cloud-native solution that intelligently optimizes warehouse work by incorporating near real-time information regarding due dates, resource capabilities, and physical location of inventory to dynamically orchestrate tasks to available resources. It employs bi-directional prioritization, adapting to changes in the warehouse such as off-schedule transportation arrivals, to direct resources and tasks as warehouse conditions change through the day. Inventory dependencies are considered when directing replenishment tasks while pick tasks for the same order are executed in the correct sequence to assure inventory availability in the pick location. Throughput is assured by improving dock utilization through the prioritization of nearly completed outbound loads and least effort clearing of inbound staging locations. The system integrates with Blue Yonder Warehouse Management solutions to streamline deployment and deliver efficiency improvements to meet site deadlines.

Here are the new features and capabilities:
Replenishment Chains
Replenishment chains can now be created based on inventory levels and

scheduled picks in a manner that reduces replenishment tasks in situations where replenishments aren't essential.

Advanced Soft-Chaining
Replenishment tasks are incorporated into the work queue with a lower priority (soft-chaining) when current inventory is sufficient but replenishment is considered necessary when looking forward into the work queue.

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Robotics Hub
Solution Sheet

Blue Yonder Robotics Hub serves as the central hub for integrating and orchestrating various leading edge vendors, enabling businesses to automate and optimize their operations through robotics. Key features include standardized API formats, pre-built WMS integrations, and workflows that allow seamless collaboration with a catalog of providers. The plug-and-play onboarding process provides rapid deployment for both **Blue Yonder Warehouse Management** solutions and third-party WMS providers. The secure, reliable communication minimizes downtime risk and the decoupled integration microservice ensures seamless WMS upgrades.

Here are the new features and capabilities:

Near Real-Time Communication Functionality
This update supports cutting-edge Automated Storage & Retrieval System (AS/RS) technologies, ensuring seamless integration with high-volume automated processes. It enhances operational efficiency and responsiveness by enabling near real-time pass-through of defined task types based on operation codes set by management. Particularly for order flows necessitating rapid communication, such as case induction from pallets, this capability minimizes latency, allowing tasks to seamlessly flow and facilitating agile and efficient operations within the facility.

Automated Use Cases for Sensitive/Grocery Inventory
Robotics Hub can now pass additional data held within WMS product master to further analyze orders and maintain accuracy of shipping weights and cubes. Catch capture fields are available on the tasks detail for weight, sizing, and additional attributes.

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Yard Management
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Yard Management is a computer-vision-based solution that uses cameras, object recognition and ML to automate gate-check activities. It helps logistics service providers, manufacturers, and retailers automate, monitor, and centralize yard operations for greater throughput, fewer lost loads, and decreased fees. It integrates with **Blue Yonder Warehouse Management**.

Here are the new features and capabilities:

3D Yard Mapping
Works with spotter-based cameras in the yard and an easy-to-use digital yard map to provide accurate, visual trailer position, status, time in the yard, and inventory details. Results include better yard and equipment visibility, as well as alerts designed to limit value loss within the yard. Being able to quickly find and visualize trailers in the yard; for example, show me all trailers from carrier XYZ, or show me all empties, or show me all damaged – the trailers will be highlighted and zoomed/snapped to on the 3D map to drive yard efficiencies by providing fast visibility.

Cognitive Gate Tracking
Uses cameras and ML to automatically capture trailer data on entry and exit to help manage dock scheduling and related driver communications, as well as provide accurate data and timestamps to mitigate detention charges gate tracking. It works seamlessly with **Blue Yonder Warehouse Management** to automate and capture inbound and outbound trailers.

Carrier Workspace Interface
Enables carrier communication with yard and warehouse personnel, and related software solutions, that facilitates carrier interaction for more efficient gate check. This workspace also provides carriers with visibility into their own equipment in the yard for better carrier clarity and efficiency.

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Billing Management

Billing Management is a solution mostly used by Logistics Service Providers (LSP). The solution integrates with supply chain systems like WMS, TMS, and others. Each receipt transaction, pick transaction, or planned load is interfaced to **Billing Management**. The system aggregates the data based on any

attribute(s) within the data across any time horizon and applies contractually agreed rates to the various activities to automatically create the invoice for the LSP's services rendered to their customer.

Here are the new features and capabilities:

Introducing the Ability To Schedule Reports
Users can now schedule reports to run automatically. Using the Advance Print Mapping functionality, these reports can then be e-mailed to users for review.

Introducing the Within Operator Into the Filters and Merge Rules
The Within operator now provides users with the capability to select multiple options in queries. For example, considering the code fields the users can query both Pick and Pack transactions.

Technical Documentation Related to APIs
Documentation related to the various APIs will be made available with the 2024.2 release and will be maintained going forward.

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Transportation Management

Load Building
[Solution Sheet](#)

Load Building empowers customers to build loads incorporating product, customer, and equipment requirements. This ensures loads are more often delivered on-time and in-full, with a reduced chance of load damage and increased equipment utilization.
It enables customers to build and split inventory constrained orders into shipments, source orders from master planning engines, work in concert with inventory plans, and aggregate, split and reschedule orders so that full transportation shipments are created while respecting inventory and transportation constraints.

Here are the new features and capabilities:

Load Edit Feature
After shipments are planned, if they can be better utilized based on operations, the load edit features allow users to modify existing shipments by adding and removing line items from a shipment, switch shipments to change

the destination, and move inventory between shipments.

Allow Partial Groups
It monitors the system to detect if any of the Stock Transfer Requests (STR) under a group fails due to an inventory or equipment constraint. When this happens, the system considers processing the rest of the STRs under that group rather than failing all the STRs of the group.

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Transportation Optimization
Solution Sheet

Companies are faced with the need to move goods from point A to point B. In some cases, these can be across great distances and a wide range of terrains such as land, sea, and air requiring different modes. Historically, these same companies have relied on manual planning, which leans very heavily on experienced employees, taking years for new planner to come to the same level of expertise as veteran planners, or execution based TMSs with limited planning capabilities.

Transportation Optimization handles this need by adding a standalone transportation optimization tool that planners can use with existing TMS, whether Blue Yonder or not, to optimize their routes and modes for cost, time, and sustainability.

To intelligently plan their transportation business, users need to introduce certain rules that determine the most optimal way of moving their freight. This translates to two files in the **Transportation Optimization** software – a Strategy file that defines the business rules and a Parameter file that outlines transportation guardrails. In this release, Blue Yonder is releasing modernized user interfaces that allow users to seamlessly create, edit, and update these files online.

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