



**infor**

RETAIL

## Infor Retail Advanced Replenishment

### Leverage new advances in science and technology

For retailers and wholesalers, the digital and physical worlds of retail are colliding at a greater pace. Consumers want to make their purchases in the fastest, most convenient way possible, which pushes retailers into being more flexible in fulfillment. Infor® Retail Advanced Replenishment optimizes replenishment for stores and warehouses simultaneously, utilizing the latest science advancements of mixed integer programming. Traditional replenishment solutions are based on an order point methodology, managing each store and warehouse tier independently. This fails to consider competing channels and the economics of the overall supply chain. Infor's Demand Management suite rockets retailers into the age of artificial intelligence.

### Benefits

- Reduce excess inventory including safety stock.
- Reduce costs associated with expedition and storage.
- Improve service level and attainments.
- Improve regular and promotional sales through better in-stocks.
- Evolve to support new strategies, without a huge financial investment.

### Complementary applications

- Infor Retail Demand Forecasting
- Infor Retail Everyday Pricing
- GT Nexus Commerce Network
- Infor Retail Item Planning
- Infor Retail Assortment Planning for Fashion and Hardlines
- Infor Retail Category Management
- Infor Transportation Optimization

## Align inventory for ambient commerce

Infor Retail Advanced Replenishment understands the inventory requirements across the ambient commerce supply chain from vendors and manufacturing points through to distribution centers, cross dock facilities, and stores given the vast ways customers shop and receive inventory. By simulating how inventory is delivered to customers using their three-digit zip code either through rapid home delivery, pickup in store, or ship from another store, Advanced Replenishment anticipates the best, lowest cost option for fulfilling demand and ensures inventory is properly aligned thus avoiding the inventory whiplash effect that other solutions that burdens other solutions. Returns are also anticipated and incorporated within forward inventory projections.

## Optimize your network

Utilizing mixed integer programming optimization techniques, Advanced Replenishment simultaneously optimizes the entire multi-echelon network to maximize revenue, while minimizing supply chain costs. The solution produces optimal replenishment quantities, purchase orders, ordering cadence, and transportation modes, while considering business objectives and various constraints across the time-phased planning horizon.

## Address your toughest supply chain challenges

- **Promotions**—Driven by the machine learning–based Infor Retail Demand Forecasting, Advanced Replenishment accurately optimizes promotional orders and inventory levels across the supply chain.
- **Slow-moving products**—Coupled with a machine learning forecast, slow-moving items are optimized for replenishment through true mathematical optimization techniques that maximizes the sales opportunity by balancing the right service level and productive inventory.
- **Seasonal and/or fashion**—With products coming into and out of assortments with more frequency, there’s an emphasis to effectively manage the inventory at end of life to maximize margin by reducing markdown inventory through replenishment.
- **Optimally moving goods**—Advanced Replenishment builds time-phased order and inventory plans based on optimizing all nodes simultaneously considering various costs of moving, storing and touching goods and recommends the timing of orders considering container constraints, bracket prices, and more.
- **Collaborative planning**—Advanced Replenishment allows for vendors to access solution directly or collaboration seamlessly in a more formal process with Infor’s GT Nexus global network solution.
- **Productivity**—By re-allocating staff resources with the automation and optimization built into Advanced Replenishment, you can free up users to identify new opportunities and ways to grow your business and margins. Users can engage in real-time what-if scenario building across both stores and warehouses.

## Improve your replenishment process—today

Infor Retail Advanced Replenishment offers a modern, true mathematical optimization-based solution to quickly address your replenishment needs. With this unique application, you can:

- Take advantage of a global network and next-generation retail apps.
- Optimize all aspects of the retail supply chain network.
- Improve results for all demand drivers—not just base-line demand.
- Read and respond in near real time.
- Automate manual tasks and execution.
- Collaborate internally and externally.
- Deliver value early and often.

Improve the profitability of your business with Infor Retail Advanced Replenishment. With our agile approach to deployment, you can begin improving your replenishment process today—without making an enormous upfront investment and waiting 18 months to find out if it works.

[Learn more >](#)



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