Cutting-Edge Technology That Drives Higher Sales And Improved Profits

daVinci®

The time is now for planning to become a strategic priority. The financial benefits are so compelling. They should rank at the top of your to-do list — payback can happen in months.

daVinci Buy Management System delivers improved profits and productivity, with technology that's strong enough to power even the most advanced retailers in the world.

daVinci BMS Technical Highlights

Modern Web Application Suite

Access a single source of truth and collaborate with team members anywhere, anytime, through a web browser — no installation or constant updates needed on each desktop.

Cloud or On-Premises

Enjoy maximum speed and reliability by hosting daVinci on your closest AWS data center. Other cloud providers and in-house servers are also supported.

Scalable, Flexible Architecture

daVinci's unique server-client model delivers superior performance and scalability to handle the heavy workload of omnichannel, customer-centric, bottom-up planning.

Seamless Integrations

Build your ultimate data mart by connecting ERP, PO, actuals, vendor info, and more. daVinci fits into the existing tech stack effortlessly via REST API or other interfaces.
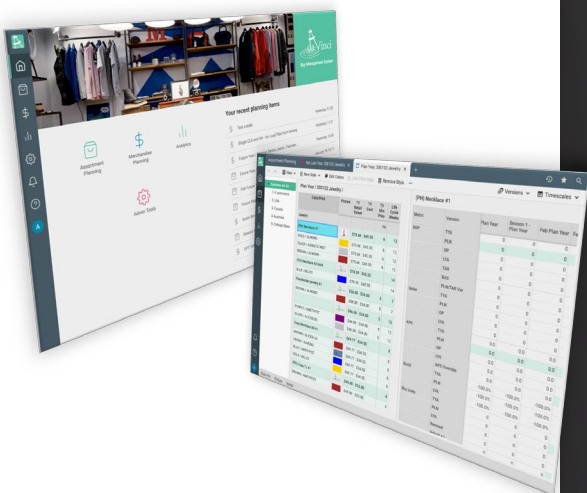
Fast, Robust Calculation Engine

Our proprietary engine dynamically determines inventory levels for each store, so you can stock the right amount of products in the right places to meet customer demand.
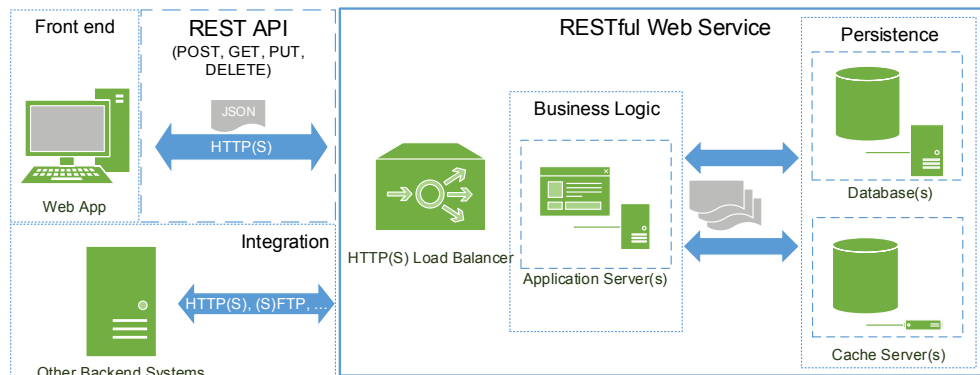
Industry-Standard Security

daVinci offers token-based authentication, fine-grained user access control, real-time audit logs to protect your resources. If needed, we can implement SSO as well.

Why Tiered Architecture Is Essential

Front end | **REST API** (POST, GET, PUT, DELETE) | **RESTful Web Service**

JSON — HTTP(S)

Web App

Integration

HTTP(S), (S)FTP, ...

Other Backend Systems

HTTP(S) Load Balancer

Business Logic

Application Server(s)

Persistence

Database(s)

Cache Server(s)

Independent layers allow scaling both vertically and horizontally. Cache servers are utilized for faster data loading. daVinci is database agnostic; PostgreSQL and Oracle are preferred for performance.

Integrate Everything

Actual Data

Design

Vendor

Images

AI/ML

ERP

Open to Buy / Merchandise Planning

Purchase Order

Allocation

daVinci

Either on-demand or scheduled, creating in and outbound integrations in daVinci BMS take less time than traditional implementations. daVinci supports interfaces such as REST, SOAP, FTP, CSV, and Excel. In addition, the data format, metrics, and levels are configurable, and we provide execution logs.

Trusted by Top Retailers Around The World

GUESS

stadium®

ginatricot

Target

SUPERBALIST.COM

"Whilst daVinci and other vendors could technically deliver an Assortment Planning service, all participants on the technical panel scored daVinci as the leader for "technical maturity." All of the features that were available in daVinci outof-the-box standard application were clear enablers in our decision-making process."

— Eesha Gupta, Head of Engineering & Delivery, Target Australia

aws

Azure

Google Cloud

Cloud-First

With cloud servers managed by daVinci, it's faster to set up and easier to scale the application. Daily static back-up is made in a different location. Virtually unlimited storage provides practical use of history data.

See How You Can Automate Your Entire Planning Process with daVinci BMS

About daVinci Retail

Since 2005, our team of retail technology pioneers has been committed to providing retailers with the tools they need to succeed so planners and buyers can maximize their potential.

Book A Briefing Today

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