**BlueCherry**
by CGS

# BlueCherry® API & Integration Platform

## Overview

Modern fashion brands operate across dozens of systems, including eCommerce, PLM, ERP, SFC, WMS, finance, logistics, marketplace platforms, analytics tools, and more. Connecting these environments has never been more critical or more complex.

The BlueCherry API & Integration Platform gives fashion brands a secure, scalable, cloud-ready connectivity layer designed to unify data, automate workflows, and accelerate digital transformation across the entire supply chain.

Built on RESTful services, powered by Microsoft Azure Cloud, and enhanced with modern security and AI-ready data access, BlueCherry APIs allow customers and partners to integrate rapidly with BlueCherry ERP and all connected modules without heavy customization or middleware.

## Key value proposition

One modern, API-first platform to connect your entire fashion technology stack. Faster integrations. Lower cost. Real-time data. Enterprise control.

## Core capabilities

### Modern REST API architecture

- Dynamic REST endpoints for all major BlueCherry objects (styles, materials, BOMs, orders, inventory, production, customers, shipments, returns).
- Supports JSON, OAuth2, and modern authentication patterns.
- High throughput, low-latency APIs ideal for real-time operations.

## Composable, extensible, AI-ready

- Connect any internal or external system via secure, governed REST endpoints.
- Feed real-time product & order data to AI models for forecasting, planning, and automation.
- Extend BlueCherry logic with custom API plugins or event-driven workflows.

## Developer empowerment & low-code extensibility

- Publish your own endpoints and domain services inside the BlueCherry Platform.
- Build microservices and automations without modifying core BlueCherry ERP.
- Sandbox and versioning support for continuous integration pipelines.

## Enterprise-grade security & governance

- Role- and profile-based authorization.
- Subscription key management across environments.
- API throttling, audit logging, encryption, traffic monitoring.
- Azure-native cloud infrastructure and ISO and SOC compliance.

# Top use cases

**1** **Omnichannel data synchronization**

Sync inventory, orders, customers, and availability with eCommerce & marketplaces in real time.

**2** **Supplier & factory collaboration**

Expose controlled endpoints for partners to update production stages, QC data, or shipping details.

**3** **AI & predictive planning**

Feed structured data to AI engines for forecasting demand, optimizing replenishment, and improving allocation.

**4** **B2B & retail integration**

Connect wholesale portals, showrooms, and POS networks to inventory and order status.

**5** **Automation & event-based workflows**

Trigger notifications, workflows, or microservices from style creation, PO changes, shipments, or QC results.

# Business value

**Reduce integration time & cost by 50%+**

Standardized REST endpoints and low-code extensions accelerate any system connection.

**Ensure data consistency across all channels**

No duplication, mismatched orders, or delayed financial transactions.

**Enable real-time operational visibility**

Inventory, production, shipping, and financials always up to date.

**Empower digital transformation**

Move away from legacy EDI-only workflows to modern API-first connectivity.

**Future-proof your architecture**

Composable services + AI-enabled data flows prepare your business for the next decade of supply chain innovation.

# Real-time supply chain integration

**Connect BlueCherry ERP to all required third-party environments:**

- eCommerce (Shopify, BigCommerce, Magento, Salesforce Commerce).
- Marketplaces (Amazon, Walmart, JOOR, NuOrder)
- 3PL & logistics partners.
- Financial systems (NetSuite, QuickBooks, SAP).
- BI tools, AI engines, planning solutions.
- Factory-floor systems & IoT devices.

**The result:** a unified, connected, real-time operational landscape.

## API subscription options

| Starter | Pro | Enterprise |
|---|---|---|
| Up to 5 keys | Up to 15 keys | Unlimited keys |
| 125 req/sec | 250 req/sec | 500+ req/sec |
| Ideal for early integrations | Ideal for scaling environments | Ideal for global deployments |

**Ready to modernize your integrations?**

Connect your ecosystem with the BlueCherry API Platform

**Learn more at bluecherry.com | Contact us at bluecherry@cgsinc.com.**