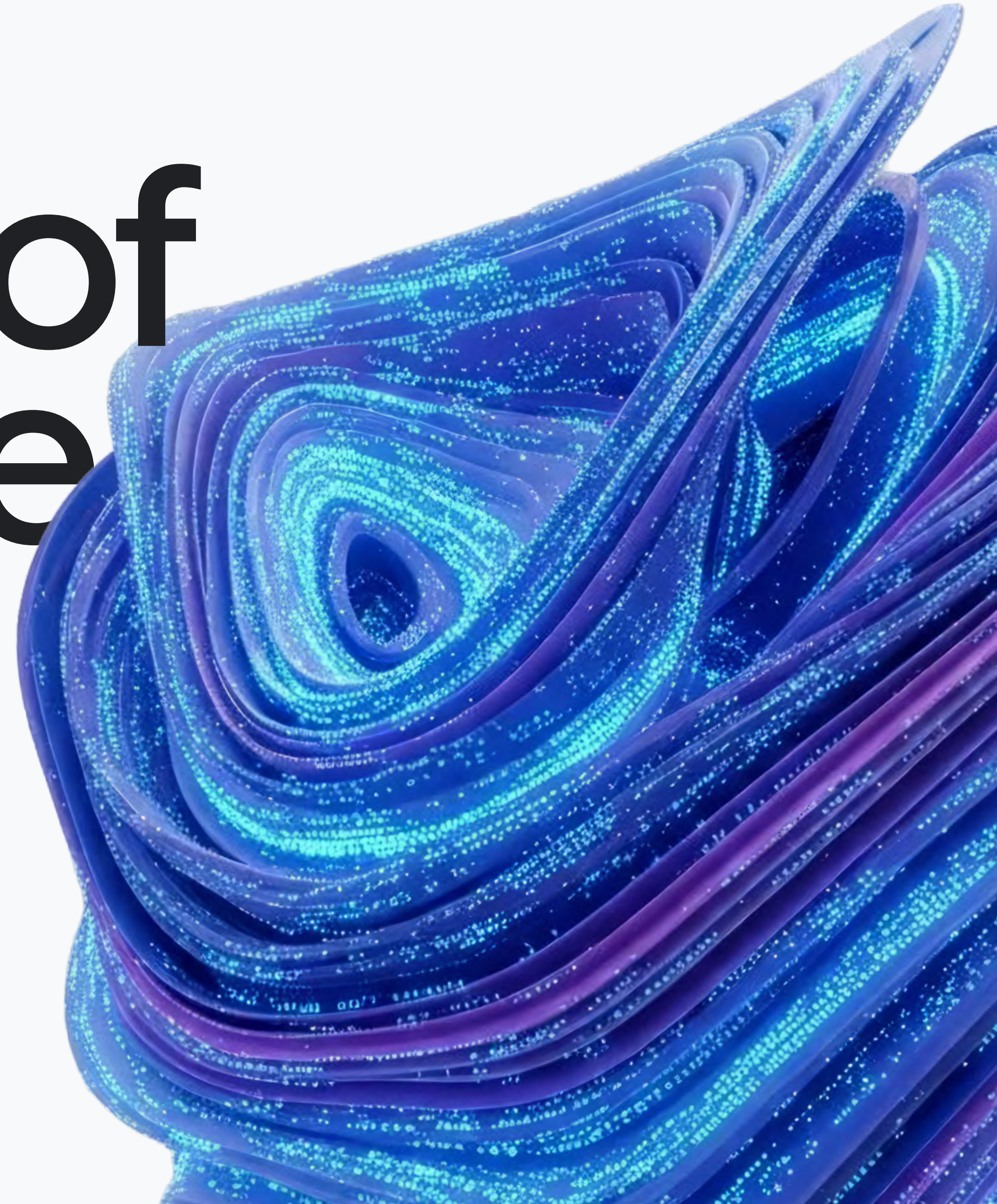


The future of enterprise agility

Driving agentic AI innovation with SAP
Business Data Cloud & Google Cloud



Introduction

The SAP and Google Cloud partnership transforms reactive operations into proactive, AI-driven enterprises through intelligent, agentic workflows.

Cross-Domain AI

Deploy autonomous workflows across Finance, Supply Chain, Manufacturing, and Retail using SAP Business Data Cloud (BDC) and Google Cloud AI.

Seamless collaboration

Google Cloud's Agent-to-Agent (A2A) protocol enables diverse AI agents to securely discover, trust, and delegate tasks.¹

Zero-copy data

SAP BDC Connect for BigQuery eliminates data friction, uniting financial ledgers, CRM data, and live market signals to drive mission-critical AI workloads.²

1. Allegrini, E. (n.d.). Standardized Inter-Agent Communication Protocols in Cloud Environments.
2. Google Cloud Blog. (2026, April). A Blueprint for the Agentic Enterprise from SAP and Google Cloud.



01: Revolutionizing finance operations

Financial agility is paramount in today's fast-paced markets. By combining SAP's robust financial core with Google Cloud's predictive AI, organizations can optimize working capital, defend against revenue leakage, and accelerate cash recovery.

Collect

Accelerate inbound revenue

Agentic cash collection: An agentic workflow that manages outstanding receivables by combining financial ledgers with dynamic customer relationship data, accelerating cash recovery while preserving the client experience.

Control

Defend outbound spend

Agentic invoice validation: A digital accounts payable gatekeeper that automates invoice validation by cross-referencing incoming invoices against internal purchase orders, existing contract terms, and real-world external events.

Capitalize

Optimally position working capital

Agentic cash deployment: An agentic treasury workflow that optimizes the deployment of excess corporate cash into short-term investments by evaluating live market data across counterparties, tenors, and instruments.

02: Building a resilient, intelligent supply chain

Global supply chains face unprecedented volatility. Agentic AI transforms rigid supply chains into autonomous networks capable of sensing disruptions and dynamically adjusting operations. This evolution is underpinned by Agentic Supply Chain Digital Twins (A-SCDT), which integrate SAP applications with network data to allow autonomous agents to continuously communicate and reconfigure operations in real time.³

3. Ivanov, D. (n.d.). Agentic Supply Chain Digital Twins (A-SCDT) and Network Reconfiguration.

Source

Secure suppliers

Agentic supplier risk management: A proactive supplier monitoring engine that adjusts sourcing schedules based on real-world disruptions and vendor financial health.

Stock

Anticipate demand

Agentic inventory replenishment: A predictive procurement assistant that orders materials based on live consumer market signals before demand hits.

Ship

Navigate global uncertainty

Agentic logistics optimization: A dynamic freight coordinator that reroutes shipments in transit to bypass physical-world bottlenecks and protect delivery SLAs.

03: Transforming CPG and retail experiences

In the highly competitive CPG and Retail sectors, aligning targeted marketing with actual consumer demand is the key to maximizing ROI and minimizing waste. To achieve true autonomy, customer experience must start deeper in the technology stack, built directly on data quality and platform strength, allowing agents to unify behavioral signals, real-time inventory, and promotional intelligence.⁴

4. SAP News. (2026, June). The Autonomous CX Revolution Elevated by Google.

Target

Dynamically steer consumer demand

Agentic demand shaping: A proactive retail workflow that actively steers consumer demand by launching targeted digital promotions to clear the exact surplus inventory sitting in the ERP.

Track

Continuously optimize marketing ROI

Agentic media to sales optimization: A measurement and optimization workflow that maximizes digital media ROI by linking live marketing signals directly to ERP-managed wholesale and retail sales.

Tailor

Hyper-personalize the shopping experience

Agentic dynamic storefronts: An intelligent merchandising workflow that instantly curates digital product assortments and customizes pricing for individual shoppers by continuously analyzing live consumer behavioral signals against real-time SAP inventory availability and promotional intelligence.

04: Powering smart, autonomous manufacturing

In the era of Industry 4.0, the factory floor generates massive amounts of data that often remain siloed from the core ERP. By bridging machine-level telemetry with SAP's operational backbone using Google Cloud AI, manufacturers can transition from reactive troubleshooting to highly predictive, self-optimizing production facilities.

Maintain

Prevent unexpected downtime

Agentic predictive maintenance:
An autonomous reliability workflow that streams edge telemetry from factory floor machinery and analyzes it against historical failure rates and SAP Enterprise Asset Management (EAM) data, automatically triggering maintenance tickets and generating purchase orders for replacement parts before a machine breaks.

Make

Maximize factory output

Agentic production scheduling:
A dynamic shop-floor planner that optimizes manufacturing efficiency by cross-referencing SAP production orders with real-world material availability and operational data.

Monitor

Ensure product excellence

Agentic quality assurance: A computer-vision and AI-driven quality control workflow that continuously monitors assembly lines, cross-referencing defect anomalies with SAP production batches to autonomously flag items for rework and adjust machine calibration in real time.

Conclusion

The strategic partnership between SAP and Google Cloud provides the ultimate unified foundation for mission-critical AI. Built on clean data and strong platforms, this ecosystem enables your business to deploy intelligent, agentic workflows across every critical domain. It's time to stop reacting to the market and start predicting it.

For more information

To learn more, visit
cloud.google.com/sap

