

Fuel real-time apps and analytics with ERP data

Cloud-native data streaming platform integrated with SAP Datasphere



Become an intelligent, real-time business

Harnessing your SAP data in real time is the key to reinventing customer experiences, building efficiencies in backend operations, and launching new business models and services. Ultimately, you are creating a more responsive business that keeps pace with the modern, digital-first world. To achieve this, more businesses are tapping into data streaming to keep all systems that rely on SAP data in sync with high-value, real-time data.

Data streaming enables businesses to continuously process their data in real time for improved workflows, more automation, and superior customer experiences. When sourcing from SAP S/4HANA or SAP ECC, data streaming unlocks real-time use cases for e-commerce, manufacturing execution, inventory management, order fulfillment tracking, sales performance analytics, AI/ML, and more.

Used by more than 80% of the [Fortune 100](#), Apache Kafka® has become the de facto standard technology for data streaming.

However, unless you're in the business of managing data infrastructure, you need a solution that enables you to focus on innovation and evolving your business.

Natively integrated with SAP Datasphere and built by the original creators of Kafka, [Confluent Cloud](#) provides a cloud-native and complete data streaming platform available everywhere SAP data needs to go. As an SAP endorsed app, Confluent seamlessly connects your data from SAP solutions with any cloud or on-premise system, in real time, while avoiding the costs and complexities of open-source infrastructure management.

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Build real-time applications at a lower cost

Stream SAP and third-party data anywhere it's needed

Enrich SAP Datasphere with real-time data

Maintain strict security and governance standards with ease

Gain real-time data intelligence with Confluent

Build real-time applications at a lower cost

Winning within the modern business landscape requires data infrastructure that can cost-effectively power real-time, intelligent applications and analytics. Confluent enables SAP users to access their SAP Datasphere data as real-time data streams without the hassle of managing open-source software.

Sitting at the center of Confluent Cloud is the [Kora Engine](#) – the Kafka engine built specifically for the cloud. SAP Datasphere integrates directly with Confluent’s Kora engine, providing customers with unparalleled scale and flexibility for data streaming:

- **Elasticity:** Scale to handle GBps+ workloads and peak customer demands with no operational burden
- **Storage:** Never worry about Kafka storage again with tiered storage and infinite retention
- **Resiliency:** Ensure high availability with a 99.99% uptime SLA, multi-AZ clusters, and no-touch Kafka patches
- **Performance:** Deliver faster insights with boosted performance sustained over time

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Confluent Cloud is proven to lower the total cost of ownership for Apache Kafka by up to 60% and deliver an overall 257% ROI ([Forrester TEI](#))

Stream SAP and third-party data anywhere it's needed

Powerful applications and impactful operational insights rely on access to all the data running in your business – whether residing within SAP or beyond – and easy, real-time connectivity with an ever – increasing number of down-stream data systems and applications.

Confluent enables you to quickly connect your entire business with ERP data, with a portfolio of [120+ pre-built source and sink connectors](#).

Alongside data from SAP, other data can be sourced from events, IoT, marketing tools, legacy data systems, mainframes etc. It can be merged in real time with ERP data leveraging Confluent's [serverless Apache Flink® service](#).

Once built, these high-value data streams are ready for consumption by any number of destinations including databases, data warehouses, data lakes, SaaS apps, AI vector databases, and more.

Each connector comes with enterprise-grade security, reliability, compatibility, and support and is paired with Confluent's availability across cloud, on-premise, and hybrid environments. Integrating SAP Datasphere with Confluent Cloud streams your data anywhere it's needed.



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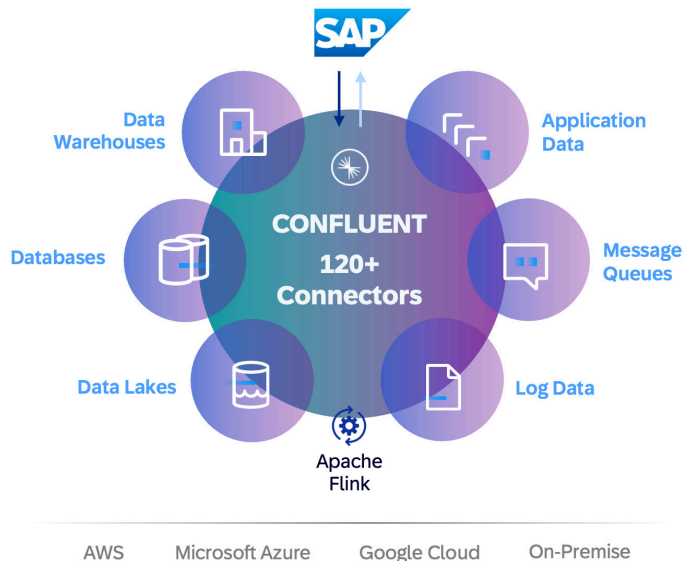
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Accelerate digital transformation with real-time connectivity of ERP data with Confluent's network of 120+ pre-built source and sink connectors



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For SAP to serve as the true business data fabric, it is essential to enrich SAP data with third-party data streams to develop holistic, actionable insights for the business.

Whether it be IoT data from the field, user clickstreams from the web, campaign data from marketing tools, or any other application that helps run your business, connecting and working with this data in real time within SAP Analytics Cloud introduces a new level of insights and value rooted in your critical business data.

The Confluent integration with SAP Datasphere will soon be bi-directional, allowing for real-time streaming of data from Confluent back into SAP Datasphere. It is easily sourced with Confluent's portfolio of 120+ pre-built connectors, covering the entire data streaming ecosystem. Thus, data from across the entire business can be merged with ERP data from SAP S/4HANA and SAP ECC to develop rich, highly contextualized, real-time data products right within SAP.

Support for data streaming from Confluent to SAP Datasphere is planned for Q3 2024. Please check the [roadmap](#) and contact your SAP representative for further details.

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The value derived from net-new use cases doesn't count for much if accompanied by risk or data integrity issues. With Confluent, you can quickly build and confidently launch real-time applications while simultaneously upholding strict security, compliance, and governance standards.

Confluent Cloud equips teams with [enterprise-grade security controls](#) to help ensure confidentiality, control identity and access management, and protect sensitive ERP data streams. Data is encrypted at rest and in motion, with secure networking options including Private Link and Private Service Connect. Additional security features include bring your own key (BYOK) encryption, client-side encryption, OAuth and SAML/SSO authentication, role-based access control (RBAC), audit logs, and more.

Confluent also provides [built-in compliance](#) including SOC 1/2/3 and ISO 27001 certifications, GDPR/CCPA readiness, and more.

Finally, you can safely scale and share data streams across your business with [Stream Governance](#). This is the industry's only fully managed governance suite for Kafka with schema registry, schema validation, a business-wide stream catalog, and end-to-end stream lineage.

Integrated with SAP Datasphere, Stream Governance allows for ERP metadata sharing directly with Confluent's schema registry.

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In today's digital landscape, data is the lifeblood of business—offering unparalleled insights into customer behaviors, market trends, and operational efficiency. The ability to harness data from SAP or any other system in real-time is paramount for competitive companies. Real-time data intelligence empowers businesses to make informed decisions swiftly, optimize processes on the fly, and deliver personalized customer experiences instantly.

Data streaming is unlocked for SAP customers by Confluent. Integrated directly with SAP

Datasphere, Confluent Cloud provides a simple means of accessing ERP data within SAP S/4HANA and SAP ECC. This data can then be merged with third-party sources, in real time, to power modern analytics and AI/ML workloads within any downstream application.

With Confluent and SAP, businesses gain the real-time data intelligence that allows them to innovate faster, accelerate decisions, and drive more value every single day. Modern, elegant experiences keep customers delighted while automated, data-driven operations drive the business forward.

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Learn more about [Confluent customers](#) and the near-[infinite use cases](#) they are building with a cloud-native data streaming platform.

Summary

Become an intelligent, real-time enterprise with Confluent and get immediate, actionable insights from your ERP data. Power modern, real-time analytics and your AI/ML strategy with SAP data from SAP S/4HANA and SAP ECC via SAP Datasphere and Confluent Cloud.

Objectives

Successfully growing a business in today's digital-first climate requires real-time access to all your most valuable data, within SAP and beyond. Businesses need a cost-effective solution for data streaming that connects SAP with an ecosystem of data systems.

Solution

Confluent Cloud connects ERP data from SAP S/4HANA and SAP ECC with any cloud or on-premise system to power real-time applications and high-value analytics. Fuel every corner of the business with real-time data leveraging a fully managed data streaming platform built by the original creators of Apache Kafka.

Benefit

Connecting SAP Datasphere with Confluent allows a business to:

- Build real-time applications at a lower cost
- Stream SAP and third-party data anywhere it's needed
- Hydrate SAP Datasphere with real-time data
- Maintain strict security and governance standards with ease



Confluent Cloud

Built by the original creators of Apache Kafka, Confluent enables businesses to connect and process all their data in real time with a cloud-native and complete data streaming platform available everywhere it is needed.

www.confluent.io

Learn more

To find out more, call your SAP representative today or visit us online on the [SAP Store Site](#).



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