SAP Fioneer

SAP Fioneer: An integrated platform for insurance and bank finance modernization

SAP Fioneer Whitepaper

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Executive summary

Large, complex institutions need a finance platform that unifies accounting, risk and regulatory data while fitting existing systems. By combining deep industry expertise with SAP-native integration, SAP Fioneer's Finance Platform delivers the automation, intelligence and scalability required to operate efficiently, meet compliance and stay ready for evolving financial, regulatory and ESG demands. Built on SAP S/4HANA and integrated with SAP Business Technology Platform (BTP) and SAP Business Data Cloud, it supports flexible deployment in cloud and SAP RISE.

A unified architecture enables banks and insurers to create a consistent data layer for finance, risk and performance. It standardizes data production, embeds reconciliation and quality loops and provides traceable daily views of positions and results. Institutions interoperate with core systems (without duplicating data to a separate warehouse), adopt phased rollouts to reduce delivery risk and expand modularly across domains. The outcome is shorter closes, less reconciliation effort, stronger auditability and faster decisions.

With expert delivery teams and a co-innovation model, SAP Fioneer helps banks and insurers modernize in stages while protecting core operations and enabling analytics and AI to run on trusted data.

The sections below outline the SAP-native architecture, deployment options and the data production model that make this finance platform possible.

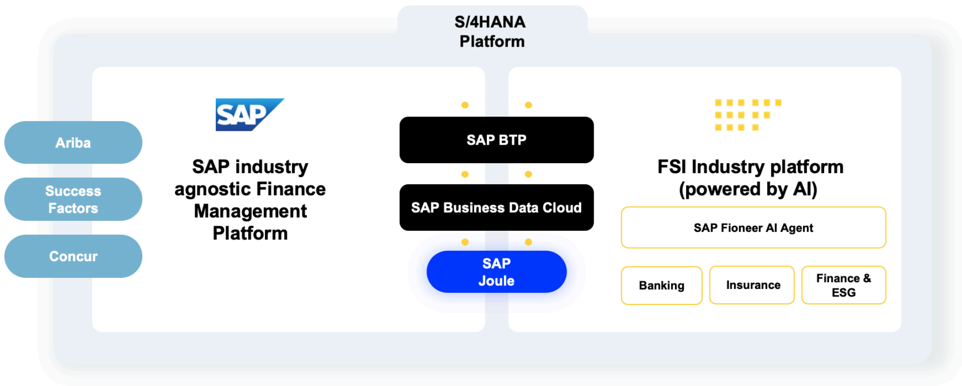
Why SAP Fioneer for finance modernization

At SAP Fioneer, our priority is developing platform-based solutions that help financial institutions modernize core finance operations while supporting long-term modernization. The Finance Platform was purpose-built to meet the demands of CFOs, CIOs, CDOs and finance and risk leaders in banking and insurance.

We provide end-to-end solutions for banking and insurance, and currently work with over 1,200 financial institutions that run SAP Fioneer software globally. Five of the world's 10 most profitable banks use our technology and 50% of the largest insurers use SAP Fioneer software.

SAP provides the global finance foundation used across industries. SAP Fioneer extends this with domain depth, supporting use cases such as regulatory capital, liquidity management, policy and subledger accounting and IFRS compliance, all within a scalable, modular platform.

SAP Fioneer's Finance Platform is built on S/4HANA and extends SAP's capabilities in financial services, ensuring full compatibility with SAP's AI-driven innovations and cloud strategy



Built on S/4HANA and integrated with SAP Business Technology Platform and SAP Business Data Cloud, the finance platform supports flexible deployment models, including cloud, integrated SEC setups and SAP RISE. It allows bank and insurance CFOs, CIOs and CDOs to modernize without disruption by:

- Enabling phased rollouts that minimize business risk

- Interoperating with existing systems that avoids copying data over into a centralized data warehouse or reporting system

- Providing a virtualized, unified view across business domains via SAP Business Data Cloud, which brings together finance, operational and HR expense data without replication, to deliver consistent, enterprise-wide insights

With this combined architecture from SAP and SAP Fioneer, institutions gain full flexibility while building the capabilities needed to transform into a true digital finance management platform. This means finance leaders can move beyond compliance-driven upgrades toward a solution that drives insight, agility and long-term strategic value.

How SAP Fioneer's platform works for finance modernization

SAP Fioneer's finance platform is based on a unified architecture that integrates financial, risk and regulatory data into a single, consistent data layer. This architecture supports finance modernization by enabling accurate, reconcilable and timely data across the institution. It replaces fragmented data pipelines with a single source of truth, which improves operational transparency and supports faster decision-making. With it, banks and insurers deliver better data, embedded controls and standardized processes across domains, creating the basis for greater efficiency, compliance and future readiness in finance.

> It's not a patchwork of systems, but a coherent platform to ingest, process, reconcile and analyze financial data at scale.
>
> **Daniel Pehnec**
> **SAP Fioneer Senior Solutions Manager**

Here is how the finance platform's strategic architecture logic allows banks and insurers to unify finance and performance functions:

Built around core financial data

The architecture is designed around financial data as the organizing principle. Financial figures such as book and fair values, balances and key risk metrics are treated as shared assets across domains.

While these figures may originate in different domains, such as within dedicated risk or accounting systems, they are consistently interwoven into the central data model, **enabling multi-domain integration**. This allows data to be reconciled and referenced across functions, including risk, regulatory reporting, accounting and performance management.

Instead of treating finance as a reporting output, the system is structured to use finance as the basis for **enterprise data consistency**. Each function works from the same underlying data, processed with the same timing and rules. This enables consistent results across domains without the need for reconciliation after the fact.

Standardized data production

The architecture functions as a controlled data production pipeline. Data is ingested from source systems, then passed through a standardized process that transforms it into structured outputs. This includes data creation, enrichment and validation based on the operational changes that occur in the bank each day.

Each processing domain receives the same underlying data and produces its own required outputs in parallel. These domains are not isolated; they exchange data and depend on each other's results.

For example, claims in insurance or changes in credit risk metrics in banking may influence financial outcomes, and financial valuations may affect regulatory calculations. **This interdependency is built into the architecture and handled within the shared data structure.**

The result is a daily, consistent view of the institution's financial and risk position, produced through repeatable, standardized logic that does not rely on post-processing or manual alignment.

Embedded reconciliation and quality loops

Initial data received from source systems is often incomplete or inconsistent. SAP Fioneer's architecture addresses this by including mechanisms for reconciliation and adjustment. Once data has been processed, **results can be reviewed and corrected through defined workflows.** These corrections are then reintroduced into the processing cycle, enabling a second pass that improves accuracy.

This loop ensures that financial and risk outputs used in reporting and decision-making are based on verified data. **Corrections are applied close to the source** and preserved throughout the pipeline, rather than being applied manually at the reporting layer. This reduces operational risk and improves auditability.

Prepared for downstream analytics and AI

Once data is fully processed and reconciled, it is made available to AI-powered reporting and analytical systems. These systems do not need to correct or reinterpret the data. Instead, they consume outputs that have already been validated at source and processed through a consistent pipeline.

The architecture **supports two types of AI use cases.**

One is **operational**, where AI assists with data preparation by recognizing recurring issues or proposing reconciliations. The other is analytical, where AI uses structured data to identify trends or generate forecasts. In both cases, the value of AI depends on the integrity of the underlying data. The architecture is **designed to ensure that this data is accurate, complete and consistent before it is consumed by AI-driven systems.**

Modular implementation, consistent structure

The architecture supports modular deployment to meet banks and insurers at **different stages of digital maturity**. Institutions may begin with a specific component depending on immediate needs, but the structure is designed to scale across domains. Despite variations in entry point, the architecture remains consistent in its data model and processing logic, which allows banks and insurers to add functions without requiring structural redesign.

While many institutions enter through accounting-led initiatives, there is also long-term value in addressing data consistency early. Implementations that begin with the unified data layer are more likely to avoid downstream issues in reconciliation and system integration.

Enabled by shared technology

The architecture is built on a shared SAP technology stack. This enables direct integration across components and eliminates the need for extensive middleware or ETL tooling. Processing and reporting systems operate on the same data, with no need to replicate or transform it between steps. This reduces complexity, lowers total cost of ownership and shortens implementation timelines.

The outcome is a **scalable foundation built for banks and insurers** that supports modernization across finance, risk and compliance without requiring multiple disconnected systems. It also enables future extensions, such as regulatory changes or AI adoption, without reengineering the underlying structure.

Co-innovation foundation

Architecturally, the platform is **open to continuous co-innovation**, designed to evolve alongside regulatory and operational needs, with new capabilities **added iteratively**. SAP Fioneer's expert teams work closely with financial institutions to develop new solutions to remain competitive and ready for future demands as they arise.

Modernize with SAP Fioneer's Finance Platform

Modern finance needs a single, reliable architecture that connects accounting, risk and regulatory workflows to one source of truth. SAP Fioneer's Finance Platform provides that foundation on the SAP stack with standardized data production, embedded reconciliation and modular rollout paths suited to complex environments. Institutions achieve faster closes, stronger regulatory outcomes and clearer performance visibility, while creating the base for analytics and AI on trusted data.

See the platform in action: Book a demo **or** contact SAP Fioneer **to discuss your modernization roadmap**

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About Fioneer

SAP Fioneer provides software solutions for banks and insurance companies: built on rock-solid technology and bold creativity.

In 2021, a group of financial services experts at SAP realized their clients needed a faster, more flexible partner that could move at their pace, adapting to the fast-changing landscape. Joining forces with entrepreneurial investor DEDIQ, SAP Fioneer was born – a start-up with the weight of a global software company behind it.

Get in touch

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