



Process Mining for SAP S/4HANA Transformation



Unlock SAP S/4HANA Success with Process Mining

Drive your digital transformation with unparalleled speed, precision, and confidence. In today's competitive landscape, organizations undertaking an SAP S/4HANA migration cannot afford to rely on assumptions or outdated process maps. A modern process mining platform provides the critical visibility needed to understand how your business truly operates—before, during, and after transformation.

By unlocking end-to-end transparency, it empowers teams to uncover inefficiencies, prioritize actions based on real data, and align stakeholders around a shared, data-driven roadmap. This approach not only accelerates migration timelines but also reduces risk, eliminates unnecessary complexity, and ensures that every phase of the journey—from initial assessment to post-go-live optimization—is grounded in measurable insight and continuous improvement.

**Process mining
accelerates SAP
S/4HANA migrations by
providing real-time
insights into existing
processes, enabling
data-driven decisions,
reducing risks, and
fostering continuous
improvement.**

Understand Your As-Is Landscape

A critical first step in any successful SAP S/4HANA migration is developing a comprehensive understanding of the current state. By visualizing real process flows across departments, organizations can gain accurate, end-to-end visibility into how work is actually executed—not just how it's designed on paper. This level of transparency enables teams to benchmark performance using prebuilt key performance indicators (KPIs), highlighting inefficiencies, delays, and outliers. With these insights, businesses can move beyond guesswork and assumptions, laying a solid foundation for informed decision-making and strategic transformation planning.

Simplify and Standardize

Achieving operational excellence in SAP S/4HANA migration involves focusing on simplification and standardization. Organizations should streamline complex processes to reduce inefficiencies. Aligning workflows with SAP's best practices ensures consistency, while harmonizing processes across global operations enhances collaboration and supports scalable growth.

Mitigate Risks

Effectively managing risks in an SAP S/4HANA migration requires a proactive approach to identify and address potential issues early. Organizations should pinpoint inefficiencies and process debts to uncover bottlenecks and redundancies. Modeling proposed changes enables scenario simulations, helping teams anticipate outcomes and make informed decisions, thus reducing unexpected challenges and ensuring compliance throughout the transformation journey.

Build a Targeted Migration Roadmap

Creating a strategic migration roadmap is crucial for a successful SAP S/4HANA transition. Prioritizing high-return, low-risk opportunities allows organizations to focus on areas with significant value. Interactive dashboards help allocate resources effectively, while defining key performance indicators (KPIs) aligned with transformation goals enables measurable tracking of progress and informed decision-making throughout the migration process.

Optimize Continuously Post-Go-Live

After going live with SAP S/4HANA, it's crucial to maintain momentum by continuously monitoring key processes in real time. This ongoing oversight allows organizations to track improvements, identify automation opportunities, and ensure that the system evolves alongside business needs. Establishing a culture of continuous innovation ensures that the ERP system remains aligned with organizational goals, driving sustained value and adaptability in a dynamic business environment.

Summary

A successful SAP S/4HANA migration hinges on a comprehensive understanding of current operations, strategic simplification, and continuous optimization. By visualizing real-time process flows, organizations can benchmark performance and eliminate inefficiencies. Aligning operations with S/4HANA's best practices ensures standardization across global units. Prioritizing high-impact, low-risk areas through interactive dashboards facilitates effective resource allocation. Proactively identifying process inefficiencies and modeling potential changes mitigates risks and ensures compliance. Post-migration, real-time monitoring and tracking of improvements foster a culture of continuous innovation, ensuring the ERP system evolves with business needs.



Challenges

A global manufacturing enterprise faced significant hurdles in its transition from SAP ECC to SAP S/4HANA. Despite efforts to standardize operations, there was limited visibility into actual process executions across various departments and regions. The organization grappled with extensive, undocumented custom code accumulated over two decades, complicating the migration path. Additionally, the absence of a clear, data-driven strategy made it challenging to prioritize transformation efforts effectively.

Approach

To address these challenges, the company implemented a process mining solution that analyzed key processes such as Order-to-Cash, Procure-to-Pay, and Manufacture-to-Ship. By connecting directly to SAP ECC, the tool provided real-time insights into process flows and performance metrics. This enabled the organization to identify inefficiencies, redundant customizations, and areas ripe for automation, facilitating a more informed and strategic migration roadmap.

Key Findings

- 46% of sales orders required rework; over 270 process variants identified
- 30% of custom code was redundant or unused
- Developed a prioritized roadmap focusing on high-impact areas

Outcomes

- 20% reduction in migration scope
- \$3.1 million projected savings from process optimization
- 3-month acceleration in migration timeline
- Established real-time process monitoring post-go-live



Post-Migration Advantages

The organization is still utilizing process mining for continuous monitoring and enhancement, which guarantees compliance with new standards while promoting a culture of perpetual innovation. This approach also helps identify potential inefficiencies and areas for further improvement.