



SAP BTP
In-a-Nutshell:
SAP Integration Suite

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01 SAP BTP: Why you should care

Change can be intimidating, especially when it involves upgrading your core business systems. Nonetheless, clinging to an outdated implementation can hold your organization back from its full potential.

Building on top of a core IT infrastructure and making constant forklift upgrades creates complexity and impacts modernization, integrations, and data transactions.

These setbacks ultimately impact an organization's ability to innovate, respond to the ever-changing market demands, and keep up with the current pace of technology.



What is SAP BTP?

SAP Business Technology Platform (BTP) makes upgrading and integrating third-party applications and data assets a seamless process that does not disrupt your operations. Its comprehensive approach lets you focus on making the informed, data-driven decisions that will keep you ahead of the competition.

SAP BTP is bringing the mobility world's concept of user-friendliness to ERP back-end technology. If adding, modifying, and deleting critical business applications could be as effortless as it is on your phone, it would be much easier to take full advantage of the latest tech and constantly innovate.

Services & Functionalities

As a platform for creating and integrating applications, data, and services, it enables developers to build innovative applications quickly and efficiently, including services for **Application Development, Automation, Integration, Data & Analytics, and Intelligent Technologies.**

SAP BTP helps organizations connect their data, systems, and processes in real-time, enabling them to make better business decisions and improve operational efficiency.

Flexibility & Scalability

SAP BTP allows customers to choose from multiple available hyper-scaler platforms. Your organization can choose the deployment model that best meets your business needs and quickly scale up or down as needed.

Comprehensive Security

It also provides a range of steadfast security features that help organizations protect their critical business data and applications. This includes access control, data encryption, and identity management, all easily configurable and built-in to ensure a quick, easy, and secure implementation.

In a nutshell, SAP BTP:

- Modernizes outdated IT infrastructure
- Accelerates and improves the efficiency of critical business processes
- Enables advanced data security
- Drives innovation throughout the organization

In the following chapters, we'll look closely at SAP Integration Suite and explore how it provides a comprehensive platform for integration that helps organizations reduce integration and operational costs while ensuring the security of critical business data.



02 SAP Integration Suite

Without the appropriate integration strategy, businesses risk stagnation and falling behind their competitors in terms of innovation and digital transformation. In our current business landscape, connecting different systems and applications is essential to enable data-driven decision-making, improve operational efficiency, and provide enhanced customer experiences.

SAP has a long history of innovation in database technology, from the first version of SAP R/1 in the 1970s to the current SAP HANA platform. SAP has long been developing powerful integration tools to enable its technology across different architectures and systems. This arsenal of tools now includes SAP Integration Suite.



What is SAP Integration Suite?

SAP Integration Suite is a powerful service within SAP Business Technology Platform that offers a holistic and comprehensive approach to integration. By enabling seamless data transactions, it helps organizations efficiently connect their systems and applications, boost operational efficiency, cut costs, and leverage data for their benefit.

03 Where is the business value of SAP Integration Suite?

Improved Operational Efficiency

SAP Integration Suite provides a central platform for integration, ensuring data flow is seamless between various systems and applications. By improving operational efficiency, businesses can reduce the risk of errors in business processes, improve customer satisfaction, and ultimately drive revenue growth.

Accurate Decision-Making

With a centralized view of data across various systems and applications, SAP Integration Suite helps organizations make informed business decisions that improve operational efficiency and increase revenue.

Insight

A [study by IDC](#) found that companies that implemented an integration platform experienced an average ROI of 417% over five years.

Insight

[McKinsey & Company](#) found that companies that used data-driven insights to make business decisions were able to increase their productivity by up to 6%.

Agility & Adaptability

SAP Integration Suite helps organizations quickly adapt to changing business requirements, providing a flexible and scalable platform for integration. With increased agility, businesses can respond quickly to new opportunities and challenges.

Insight

A study by [Forrester](#) showed that organizations using integration platforms could reduce time-to-market by up to 50%

Improved Security

With built-in security features like access control and data encryption, SAP Integration Suite ensures critical business data is protected from unauthorized access. This can reduce the risk of data breaches and protect businesses from financial consequences, including penalties and legal action.

Insight

According to a [study by IBM](#), the average data breach cost was \$4.35 million in 2022.

Lower Integration Costs

SAP Integration Suite's centralized integration platform eliminates the need for expensive point-to-point integrations. Additionally, by providing a single view of master data across multiple systems and applications, SAP Integration Suite helps streamline business processes and reduces time and effort.

Insight

[Surveys by Gartner](#) indicate that integration platforms can help reduce integrations by an average of 33%

04 SAP Integration Suite: Streamlining Integration Processes

Integration can often be a head-scratcher. Luckily, SAP Integration Suite is a genuinely comprehensive integration platform with a centralized approach to managing data integration across various systems and applications. Here is a technical breakdown of the main features you should know:



Integration Flows

SAP BTP transforms data in integration flows (iflows) using adapters, message transformation capabilities, and routing mechanisms to ensure seamless data exchange and integration across applications.

SAP Integration Suite's drag-and-drop interface enables organizations to quickly and easily set up iflows to facilitate the end-to-end integration of various applications, both within the SAP ecosystem and with third-party systems, without extensive coding or custom development.

API Management

SAP Integration Suite is equipped with tools for managing APIs, including API design, publishing, and analytics. With these tools, organizations can create and manage APIs more effectively, ensuring they are secure, scalable, and easy to use.



Process Orchestration/Cloud Platform Integration

SAP Integration Suite's tools for process orchestration allow organizations to automate complex end-to-end business processes that involve multiple systems and applications. This reduces the need for manual intervention, improving process efficiency and reducing errors.

SAP BTP offers various integration styles, including **REST/ SOAP web services, Open Connectors** and Data adapters to create a seamless data exchange and application integration between SAP and third-party systems.

Data Transformation

SAP Integration Suite includes a data transformation engine that allows organizations to convert data between different formats and structures. This engine can transform data in real-time as it flows between systems, ensuring it is always in the correct format for each application.



Security

SAP Integration Suite's security features include access control, data encryption, and audit trails that help organizations protect their critical business data from unauthorized access and ensure compliance with regulatory requirements.

Analytics

SAP Integration Suite's integration performance analytics tools help organizations quickly identify integration issues and optimize their integration processes, improving efficiency, reducing costs, and delivering better business outcomes.

05 Case Study: SAP Integration Suite In the Real World

A global manufacturer and service provider for elevators, escalators, and moving walkways was facing the end-of-support for their existing SAP Middleware SAP Process Integration (PI) 7.4 and dealing with confusion among several iPaaS solutions. They also had the imminent adoption of new security protocols (OAuth) on their horizon, along with modernizing their open API architecture. These integration issues were leading to unmanageable growth and unnecessary complexity.

LTIMindtree stepped in and delivered an end-to-end integration solution for this client. Our list of implemented changes included:

- Migration of 800 SAP PI dual stack to SAP PI 7.5 single stack and SAP Cloud Integration.
- Leveraging our SAP PO Profiler accelerator as a precursor to migration.
- Integration of SAP ERP and SAP Success-Factors for more than 13+ processes in Onboarding, Learning Management, and Employee Central modules using SAP Cloud Integration.



- Building 20+ integration proof of concept with future cloud-based CRM, i.e., Salesforce, and completed 10+ user stories following agile methodology.
- Utilizing the Core/Flex model, i.e., a workforce model that combines consultants working on core development and support activities, proof of concepts, and adopting new technologies.
- Facilitating greater communication and coordination between teams to reduce errors and meet project requirements.
- Implementing testing, alert/notification automation, and monitoring platforms to improve the reliability and scalability of the organization's applications and services.
- Building reusable interface components to ensure standardized and easy adaptation.
- Adopting an API-first approach to make APIs easy to consume and reusable by various backend and fronted applications



We handled all of our client's technical integration needs with zero downtime, giving them more freedom to focus on their core business. By reusing some of their solutions, we managed to reduce configuration time for invoicing by 60%, along with an 80% file transfer time reduction for pre-implement ERP/cloud integration.

Our solution helped our client achieve 100% audit compliance for CPI transports. We were able to achieve this through an Enhanced Change and Transport System (CTS+) and migration automation.

06 How LTIMindtree can help you get started About LTIMindtree

LTIMindtree is a new kind of technology consulting firm. We help businesses transform - from core to experience - to thrive in the marketplace of the future.

With a unique blend of engineering DNA with experience DNA, LTIMindtree helps businesses get to the future faster.

Our long-term relationship with SAP, which spans over 20 years, uniquely positions us as a Partner, Co-Innovator, and Customer.

As the pioneer of the first SAP implementation in India, our deep expertise enables us to help our clients build robust digital ecosystems geared to tackle their industry's most complex challenges.



Our Team

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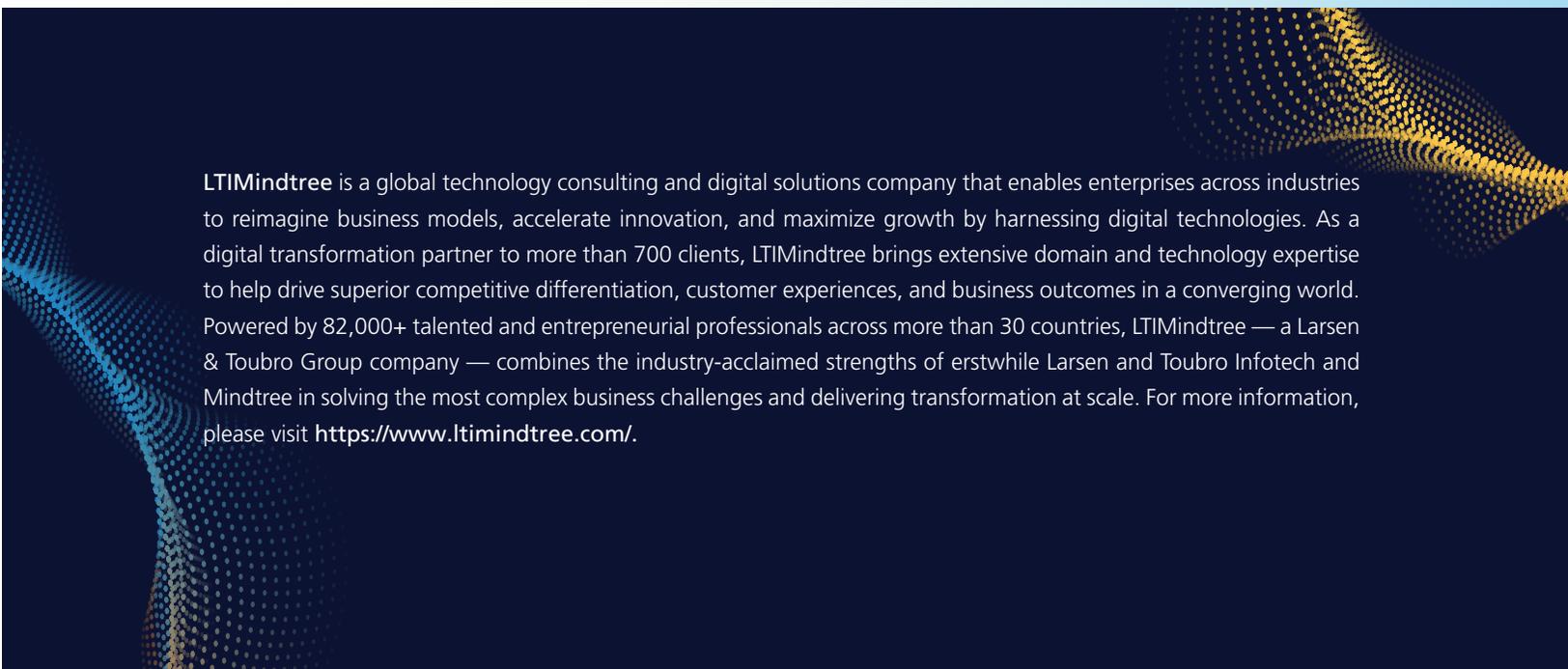
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LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 82,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit <https://www.ltimindtree.com/>.