

SAP Solution Brief  
SAP Business Technology Platform

# Creating a **Connected Landscape** of Intelligent Business Processes on Your Terms

THE BEST RUN



# Lead Your Business Toward an Intelligent Future

Your data holds the key to optimizing your resources and adapting your operations quickly to meet customer needs. With SAP® Business Technology Platform (SAP BTP) and SAP S/4HANA® Cloud, as part of the RISE with SAP package, you can acquire the tools and services necessary to achieve **agility and foresight** while extending the value of your enterprise intelligence securely.

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an Intelligent Future**

Relentless change and volatility are compelling most businesses to create and improve their enterprise intelligence and processes. But as the importance of data grows, so does the complexity of turning knowledge into action. In fact, 74% of businesses believe that IT complexity limits their operational agility.<sup>1</sup>

SAP BTP unifies this fragmented environment of applications, devices, and processes into a single digital foundation that takes data discovery and governance, as well as business operations, to a new level. With its combination of in-memory

computing, agile services, analytics, and intelligent technologies, you can transform processes and deliver strategic outcomes with SAP S/4HANA in an integrated, digital IT landscape.

Take the hassle, stress, and complexity out of the business transformation experience with the RISE with SAP package. Bundling capabilities and services into a comprehensive package anchored by SAP S/4HANA Cloud, the package delivers business transformation as a service – enabling you to get to where you need to go.

1. ["Data 2020: State of Big Data Study."](#) SAP, 2020.

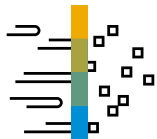
# Expanding SAP S/4HANA to Drive a Sustainable Advantage

Many SAP customers choose to implement SAP S/4HANA to transition their company into an intelligent enterprise. The future-ready ERP software helps you connect and orchestrate your business with embedded intelligent technologies, such as artificial intelligence (AI), machine learning, and advanced analytics.

But to realize the full benefits of SAP S/4HANA, companies like yours embrace SAP BTP. The platform provides a portfolio of solutions that tie

together data in business systems to produce real-time, actionable insights that fuel intelligent processes.

The platform allows you to extend the capabilities of SAP S/4HANA across the enterprise to enable the agility, visibility, and performance necessary to be competitive in an ever-evolving marketplace. Plus, you can acquire the flexibility and speed to develop applications that add value to your customer and employee experiences.



With integrated solutions in SAP BTP, your organization can **fast-track business transformation** to gain real value.

## Expanding SAP S/4HANA to Drive a Sustainable Advantage

Weaving the Fabric of Connected Data from Core to Edge

Maximizing the Power of Intelligence

Setting Free the True Purpose of Real-Time Insights

Optimizing Hybrid Data to Make Faster Decisions

Laying the Foundation to Nurture Intelligent Innovation

Creating Resilient Processes with Intelligent Automation

# Weaving the Fabric of **Connected Data** from Core to Edge

When uniting SAP S/4HANA with other sources, your company can collect and consolidate data smoothly across the IT landscape for further processing. This capability spans lines of business – from HR, finance, and marketing to sales, supply chain, manufacturing, and distribution.

The SAP Data Intelligence solution helps build this data fabric – from the business core to the edge. The solution helps you eliminate unnecessary data movements through orchestration and governance and delivers intelligence with optimal data management and algorithms for AI and machine learning.



**Access enterprise data** and share real-time insights across various applications and analytics – with certainty and without disruption.

SAP S/4HANA uses SAP HANA® as the supporting database. The active/active read-enabled option for SAP HANA applies a secondary database instance for read-intensive tasks to improve workload balancing and overall analytics performance. The SAP Fiori® user experience for SAP S/4HANA supports further optimization by enabling you to apply a secondary database instance to reduce operations overhead on a primary productive instance of SAP S/4HANA.

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# Maximizing the Power of Intelligence

As a next-generation in-memory database, SAP HANA accelerates data-driven and real-time decision-making across workloads. The database can help you innovate without restrictions, thanks to its powerful capabilities for advanced analytical processing and data virtualization.

Using the enterprise edition of SAP HANA, you can run SAP S/4HANA on premise or in a hyperscale environment to heighten business innovation and productivity. The enterprise edition helps reduce costs by providing a single database for multiple

scenarios and the ability to build custom models based on enterprise data, with advanced analytics and a development toolkit.

The enterprise edition facilitates direct access to data from SAP S/4HANA for additional processing or analytics. It helps you generate insights from live transactional data, using advanced analytics – ranging from graphical and spatial to textual – that are inaccessible through the standard application layer of SAP S/4HANA. (See [Figure 1](#).)

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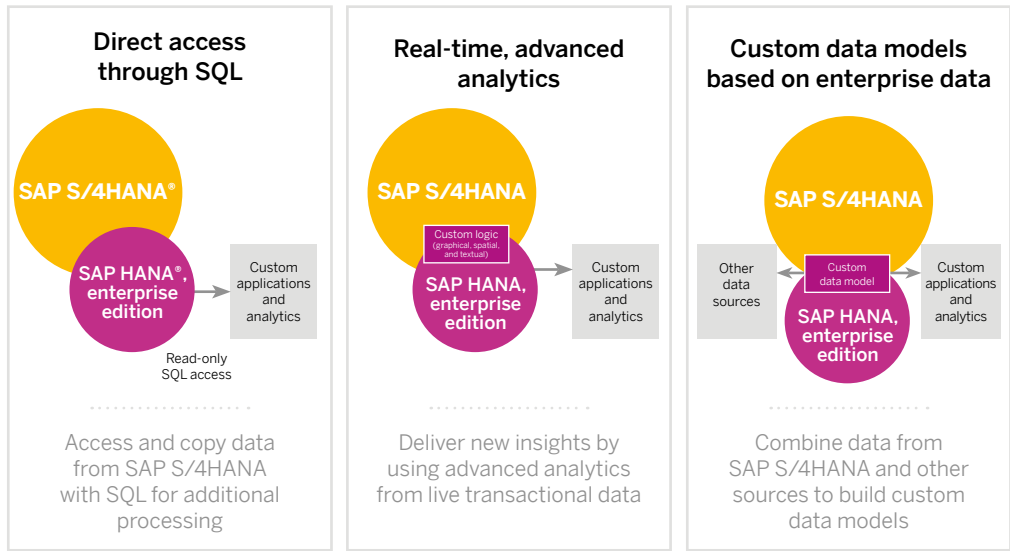
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A combination of a high-speed database, data processing capabilities, and analytics empowers businesses to **make well-rounded decisions confidently**.

**Figure 1: SAP HANA, Enterprise Edition, Unlocks Intelligent ERP Data**



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# Setting Free the True Purpose of Real-Time Insights

At the center of every decision is a story – one created from an interactive exercise of data discovery, visualization through charts and tables, and findings shared, presented, and discussed collaboratively. This is the moment when data becomes insights that lead to action and deliver outcomes that companies need, employees want, and customers desire.

SAP S/4HANA embedded analytics capabilities support necessary real-time operational reporting. With the SAP Analytics Cloud solution, SAP S/4HANA enables decision-makers to interact with real-time data and gain a 360-degree view of the business in a simplified analytics landscape to make strategic decisions (see [Figure 2](#)).

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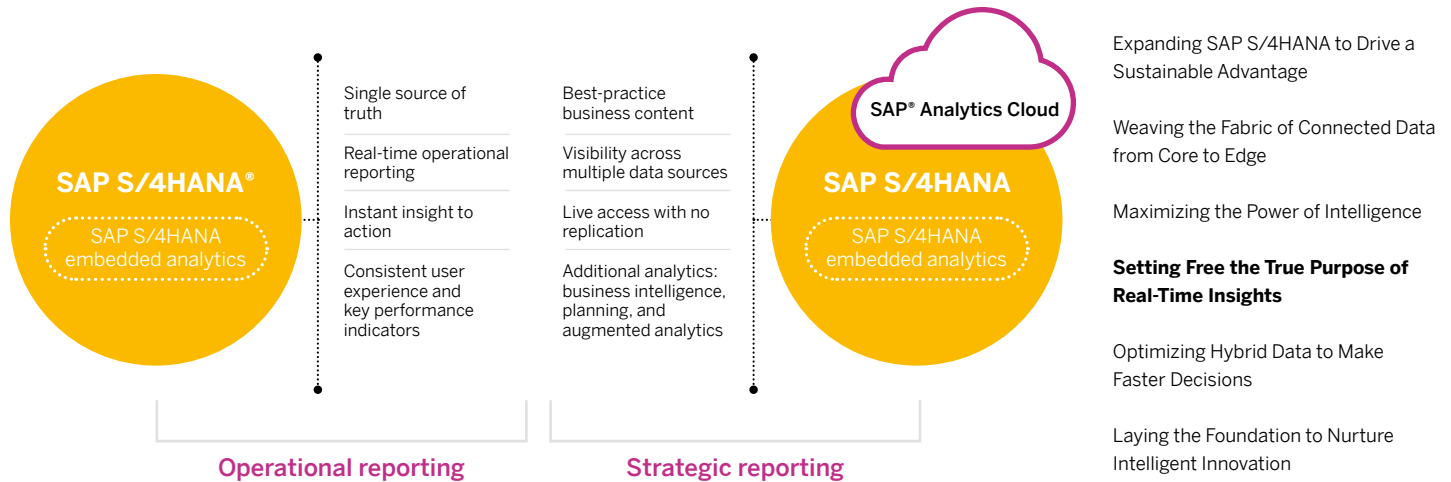
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Figure 2: Data-Driven Innovation with Embedded Analytics



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Your IT environment can be enriched with capabilities supported by solutions on SAP BTP, including:

- **Integration with multiple data sources:** SAP Analytics Cloud pulls in data from a host of SAP and third-party data sources to provide a richer overview. You can also acquire forecasting capabilities to predict, simulate, and perform what-if analyses, and use dashboards and reports to help answer ad hoc questions.
- **Advanced modeling capabilities:** SAP Analytics Cloud offers comprehensive modeling capabilities, allowing you to control and customize your data. You can also monitor key performance indicators (KPIs) with SAP Fiori launchpad and apply machine learning and augmented analytics capabilities.

- **Connection with live data:** A live data connection with SAP Analytics Cloud reflects changes to data in a source system immediately in the embedded analytics solution. This capability supports business processes, including financial planning and analysis and supply chain management.
- **Analytics in a digital boardroom:** Integrated with SAP Analytics Cloud, SAP Digital Boardroom enables your executives to transform meetings from static presentations and engage in interactive discussions based on live data, real-time views of business performance, and visualization of critical metrics.

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# Optimizing Hybrid Data to Make Faster Decisions

Data drives decisions. But when you have high-quality information, you can make decisions that everyone can trust. Data warehousing solutions from SAP are designed to support this competitive edge by reducing data complexity, producing connected and intelligent information, and avoiding vendor lock-in with an open system.

Take, for example, the SAP Data Warehouse Cloud solution. Optimized to work with SAP S/4HANA, this data-warehouse-as-a-service solution helps address your business and IT analytics needs with the flexibility to connect with cloud and on-premise data sources and centralize access to minimize redundancy. Self-service modeling and analytics enhance and extend data models

for SAP S/4HANA with external data, without impacting performance. Business users can even connect to external sources on their own with proper authorization.

SAP Data Warehouse Cloud also combines data from the SAP BW/4HANA® solution with an external third-party service. SAP BW/4HANA provides an integrated, prebuilt data warehouse environment for SAP data sources. You can leverage existing features for operational reporting of historical data from SAP S/4HANA and avoid rebuilding complex authorization concepts. Simplified data modeling and administration capabilities are also offered through a common architecture optimized to run together with SAP S/4HANA.

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# Laying the Foundation to Nurture Intelligent Innovation

When you turn data into action across all business areas, you can automate and innovate new ways to react, adapt, and expand quickly. For many businesses, the foundational elements necessary to support this goal are enabled by SAP Integration Suite and SAP Extension Suite.

Together, the suites assist in the custom code migration to SAP S/4HANA, integrate it with SAP and third-party applications, and extend it to optimize and stabilize the core data platform (see [Figure 3](#)). When combined with SAP API Business Hub, SAP Integration Suite offers more than 2,000 prepackaged integration flows and over 175 built-in connectors.

You can speed and simplify the integration of SAP S/4HANA by supporting workflows, process orchestration, monitoring, event-driven architectures, and business rules. SAP Integration Suite also facilitates synchronous and asynchronous scenarios, as well as KPIs for clear, concise visibility into process performance.

Adopting SAP Extension Suite to extend SAP S/4HANA allows faster development of flexible and secure side-by-side extensions that help keep the digital foundation clean and reduce upgrade costs. Developers using the ABAP® programming language can move and build applications that function across cloud infrastructure providers and can be deployed globally. More important, the user experience features innovative business services accessible on desktop and mobile devices.

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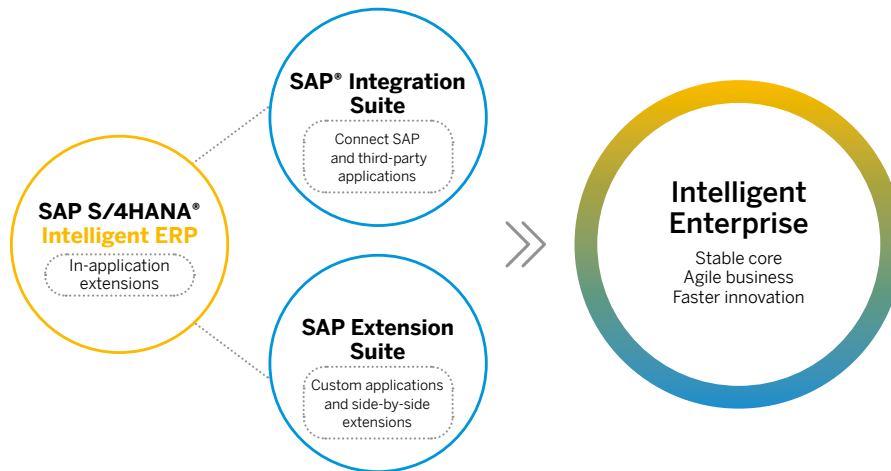
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Figure 3: Simplified Business Systems with a Clean Data Core



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# Creating Resilient Processes with Intelligent Automation

Robotic process automation (RPA) is increasingly gaining attention as companies explore new ways to reduce repetitive work to avoid human error, limit rework, and accelerate outcome delivery. The benefits of leveraging RPA can include safeguarding business continuity, preparing for future growth, and improving employee and customer satisfaction. But all too often, the vast potential of this technology goes untapped.

SAP Intelligent Robotic Process Automation (SAP Intelligent RPA) services can help your organization benefit from the promise of RPA by integrating machine learning and artificial intelligence with process automation. The services work across SAP S/4HANA and third-party applications and support automation that triggers actions and workflows.

SAP Intelligent RPA offers more than 150 prebuilt best-practice bots for various processes supported by SAP S/4HANA, including finance, procurement, and sales. Plus, ready-to-deploy bots and a set of connectors are available to help reduce implementation time and increase development efficiency. Your IT organization can use these tools to automate SAP application processes enabled by technology, such as SAP Business Suite software and SAP S/4HANA, with greater ease and speed. This is thanks to the efficient integration of SAP Intelligent RPA with the SAP GUI interface and SAP Fiori apps.

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# Fast-Tracking the Path from Data to Value Creation

Offering a comprehensive portfolio of intelligent and connected solutions, SAP BTP supports various approaches that connect the dots between data and value creation – without getting locked into one infrastructure-as-a-service provider to manage your business data.

By using SAP BTP and SAP S/4HANA Cloud, as part of RISE with SAP, you can evolve your IT landscape to best fit your needs. SAP BTP is built with a layer of virtualization, portability, and acceleration for streamlined innovation. Its design enables you to use data and processes from SAP S/4HANA to increase operational agility and efficiency and support development efforts across cloud and on-premise landscapes while staying compliant.

SAP BTP uses a combination of database and data management, analytics, application development and integration, and intelligent technologies to support connected processes and experiences, confident decision-making with integrity, and continuous innovation. You can benefit from real-time insights, human augmentation, and process automation on premise, in the cloud, within applications, and across edge devices.

With this level of value generation, your company can gain the resilience to increase efficiency, lower costs, mitigate risks, and help ensure compliance enterprise-wide. **This is how you can turn business data into business value.**

## Fast-Tracking the Path from Data to Value Creation

## Summary

SAP® Business Technology Platform empowers companies to become intelligent enterprises that connect processes and experiences, act with integrity and confidence, and drive purpose-driven innovation. Each step of this business transformation is supported through the RISE with SAP package, enabling organizations to integrate, enrich, and extend live data from SAP S/4HANA® Cloud and improve decision-making with machine learning and analytical capabilities.

## Objectives

- Connect and share data enterprise-wide
- Deliver real-time insight with data management and advanced analytics
- Build intelligent applications fueled by real-time data to deliver desired change
- Minimize the complexity of business transformation

## Solution

- In-memory computing database, delivered through SAP HANA®
- Real-time insights using SAP Analytics Cloud and SAP Data Warehouse Cloud solutions
- Innovation extended to integrate with SAP S/4HANA with SAP Integration Suite, SAP Extension Suite, and intelligent technologies through RISE with SAP

## Benefits

- Eliminate unnecessary data movement through orchestration
- Make decisions confidently with real-time insights and optimized analytics
- Decouple an agile development environment from SAP S/4HANA
- Automate repetitive tasks and innovate new business models

## Learn more

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