

SAP BTP In-a-Nutshell: Security



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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 Nonetheless, clinging to an outdated implementation can hold your organization back from its full potential.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

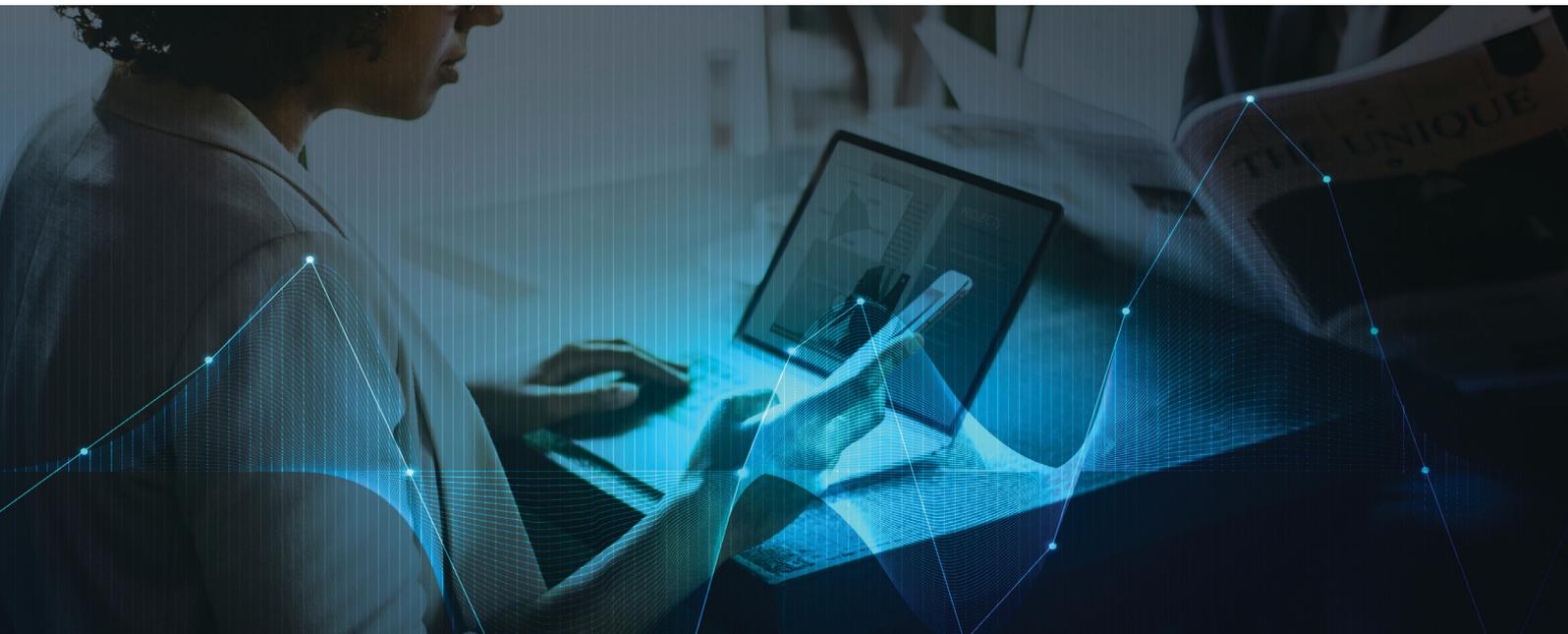
Comprehensive Security

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 this eBook, we will focus on SAP BTP's security features and applications that help keep your infrastructure and data safe, as well as the integrity of your enterprise's operations.



SAP BTP: A Secure Platform for Business Transformation

In an era where cyber threats are becoming increasingly sophisticated and widespread, ensuring robust security in business applications and platforms is not just a recommendation but a necessity. As a growing platform for enterprise growth and business development, SAP Business Technology Platform (BTP) recognizes this and offers an extensive array of security features designed to safeguard your business data, applications, and overall digital infrastructure.

Understanding the Scope of SAP BTP Security

Hyper-personalization involves collecting and utilizing customer data, which may have legal and regulatory implications. Banks must ensure compliance with data protection regulations and obtain appropriate consent from customers.

The Advantage of Built-in Security

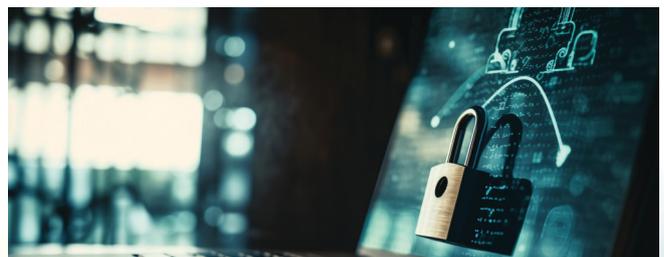
SAP BTP incorporates security into its core design, ensuring that all applications built or deployed on the platform benefit from its advanced and comprehensive security measures. With a built-in security approach, companies can reduce the burden on developers and minimize the risk of security loopholes due to oversight or lack of expertise.

Enhancing Control with User and Access Management

SAP BTP enables granular control over who can access your applications and what actions they can perform, minimizing the risk of unauthorized access. This level of control also ensures that authorized users can only perform actions within their designated roles, reducing the risk of internal security breaches.

The Importance of Data Protection in SAP BTP

SAP BTP provides powerful encryption capabilities that safeguard your business data when at rest or in transit, ensuring the confidentiality and integrity of your business data.



Key Security Features in BTP: Comprehensive Safeguards for Your Business

The modern enterprise needs a wealth of security features to protect the business from a wide array of external and internal threats. Each feature plays a crucial role informing a solid defense line against potential vulnerabilities:

Advanced Authentication and Authorization

SAP BTP supports multiple authentication methods, from traditional username and password combinations to more advanced methods like two-factor authentication and SAML-based single sign-on. This flexibility ensures that only authorized individuals can access your applications. Coupled with granular authorization controls, SAP BTP allows you to define precisely what actions each user can perform, enhancing overall security.

Robust Data Encryption

With its robust data encryption capabilities, SAP BTP enables you to protect your business data both at rest in databases and during transit over networks. This multi-layered protection ensures that even if data is intercepted, it remains unintelligible without the correct decryption key, thereby safeguarding sensitive information.



Strong Network Security Measures

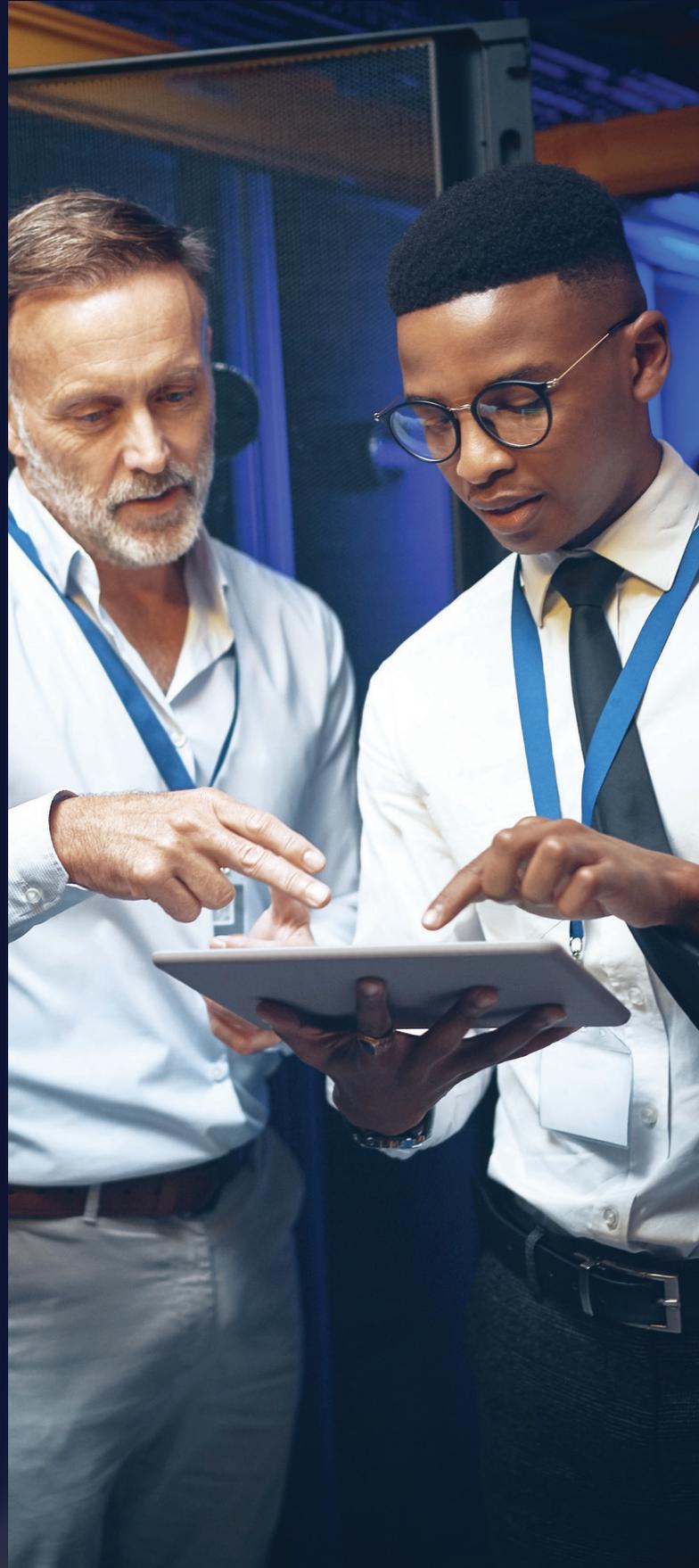
SAP BTP implements strong network security measures, including firewalls and intrusion detection systems, to protect against network-based attacks. These tools monitor and control incoming and outgoing network traffic based on predetermined security rules, providing a robust defense against potential intrusions.

Proactive Monitoring and Swift Incident Response

SAP BTP provides comprehensive monitoring and incident response capabilities, creating a real-time security status overview. This functionality lets you detect potential security threats early and respond swiftly, minimizing potential damages and recovery time.

Assisting Compliance with Regulatory Requirements

SAP BTP is designed to help you comply with various regulations, including GDPR, ISO 27001, and more. It provides tools for audit trails and data privacy controls that make compliance more manageable and straightforward, reducing the risk of regulatory violations and consequent penalties.



Best Practices for Optimizing SAP BTP Security

Maximizing the security of your SAP BTP involves not just understanding its security features but also adhering to best practices:



Regular Review and Update of Access Controls

Access controls should not be a 'set and forget' aspect of your security strategy. Regularly review and update access permissions to ensure that only the necessary individuals have access to your applications and that their permissions accurately reflect their current roles.

Proactive System Monitoring

Regularly monitor your systems for any signs of unusual activity. Swift detection is critical to mitigating the impact of a security incident. With SAP BTP's advanced monitoring tools, you can maintain a real-time overview of your security status.



Utilization of SAP BTP's Strong Encryption

Leverage the powerful encryption capabilities of SAP BTP to protect your business data. SAP BTP's encryption safeguards your data at rest and in transit, providing a comprehensive shield against data breaches.

Ensuring Compliance with Regulatory Standards

Compliance with regulatory standards is a legal requirement and a crucial aspect of maintaining customer trust. Use the compliance features of SAP BTP to facilitate this process, ensuring a smooth, error-free approach to compliance.

Elevating Agribusiness Operations with RISE with SAP S/4HANA Cloud: A Dual Case Study on Ouro Fino Companies

To showcase the advantages of RISE with SAP S/4HANA Cloud, we turn our attention to a dual case study featuring two sister agribusiness companies. Both companies faced considerable challenges around system governance and compliance but emerged successful through an intelligent cloud migration.



Challenges and Opportunities

The two companies, leaders in agribusiness sectors ranging from fertilizers to veterinary medical products, shared a common legacy SAP ERP system. This was increasingly problematic due to:

- Governance complexities, as both companies used the same instance.
- Restrictions on enhancing process efficiency and agility.
- A need to align with advancements in data protection laws.
- An opportunity to leverage cloud technology for innovation and mobility.

Why SAP?

SAP was chosen for the following key reasons:

- Established benchmarks in the agribusiness industry.
- Reliable next-gen functionalities provided by RISE with SAP S/4HANA Cloud and SAP Business Technology Platform (SAP BTP).
- Speedy transformation through a brownfield migration approach, minimizing business disruptions.



The Solution

To modernize their operations, both companies adopted RISE with SAP S/4HANA Cloud, Private Edition. The migration was completed in just eight months without disrupting business operations. Both companies now have separate instances, improving governance and compliance. The architecture also supports flexibility, scalability, and the introduction of new technologies.



The Value-Driven Results

Implementing SAP's solutions brought several measurable gains:

- **50%** reduction in overtime for accounting closes
- Dramatic decrease in batch processing time, from 8-9 hours to **40-50 minutes**
- Monthly report extraction time was cut from 36 hours to just **4**
- Enhanced IT security and data governance
- A **10x** reduction in effort for outsourced industrialization using SAP BTP.

Both companies enjoyed a smooth migration and are now operating separately on a future-ready technology foundation with all historical data from their legacy environment in place.

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.

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About LTIMindtree

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/>.