



Deloitte.



**Engineering a
tech-forward future**
SAP solutions in focus

Engineering a tech-forward future

From the boardroom to frontline workers, we are all collectively trying to move beyond pandemic-induced challenges and other disruptions, and navigate to our “next normal.” And there is no shortage of inspiration—with many pioneering enterprises automating, abstracting, and outsourcing their business processes to increasingly powerful tech tools. As these organizations leverage SAP and other technologies to evolve at the speed of change, they are effectively giving their employees “superpowers”—tools they can use for innovative projects that deliver competitive differentiation.

More than ever, the need for the disruption-ready, built-to-evolve enterprise—the Kinetic Enterprise™—has become a business priority. Identifying the key trends, understanding them, getting ahead of them, and harnessing them for a business advantage is proving essential for continuously delivering outcomes.

And at the center of things sit two powerful forces: the people who make your organization run and the overwhelming need to engineer the enterprise for what comes next, rather than simply respond after the fact. As enterprise leaders attempt to harmonize these two forces, big questions emerge when it comes to things like process automation, business agility, the role of IT, cloud technologies, security, blockchain, and more.

Get started on the path to answers by better understanding the major trends in play. As a complement to Deloitte’s [Tech Trends](#) 2022 publication, this report looks at several emerging topics in the context of SAP® solutions—offering essential perspective that can help your business operate, innovate, and thrive in a perpetually disrupted yet still human-centered world.

Engineering a tech-forward future

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Data-sharing made easy

THE IMPERATIVE

Organizations are unlocking more value from their own sensitive data while also leveraging enormous amounts of externally sourced data that traditionally has been off limits. As a result, a new arena of data-driven opportunities is opening up. The ability to share secured data with others within an ecosystem or value chain gives rise to new business models and products. And as organizations open up their data to business partners and customers, it calls for simplified data sharing options, such as simplified integration with SaaS applications, and enabling information-sharing through apps.

HOW WE CAN HELP

Deloitte understands that as organizations increasingly rely on SAP technologies, a comprehensive integration framework becomes imperative. An SAP ERP such as SAP S/4HANA, for example, might have to integrate securely and efficiently with a number of other SAP solutions as well as non-SAP legacy technologies—both on-premise and in the cloud, internally, and with third parties. Key business processes can stretch across multiple systems, supported by a variety of different middleware applications at each point. Deloitte's extensive industry-specific knowledge, proprietary accelerators, and templates can help you realize value sooner and deploy a strategic, flexible, and simplified integration framework for simplified data-sharing.

POTENTIAL SAP SOLUTIONS

The SAP S/4HANA digital core platform along with the SAP Business Technology Platform and products such as SAP Data Intelligence bring together intelligent enterprise applications with database and data management, integrated analytics, and extension capabilities into one platform for cloud and hybrid environments. SAP API Management supports simplified integration and data-sharing with external ecosystems, enabling data as a service with an omnichannel experience for business partners through mobile, web, and other devices. An SAP-based platform also allows easy sharing of data with marketplace providers and hyperscale cloud providers.

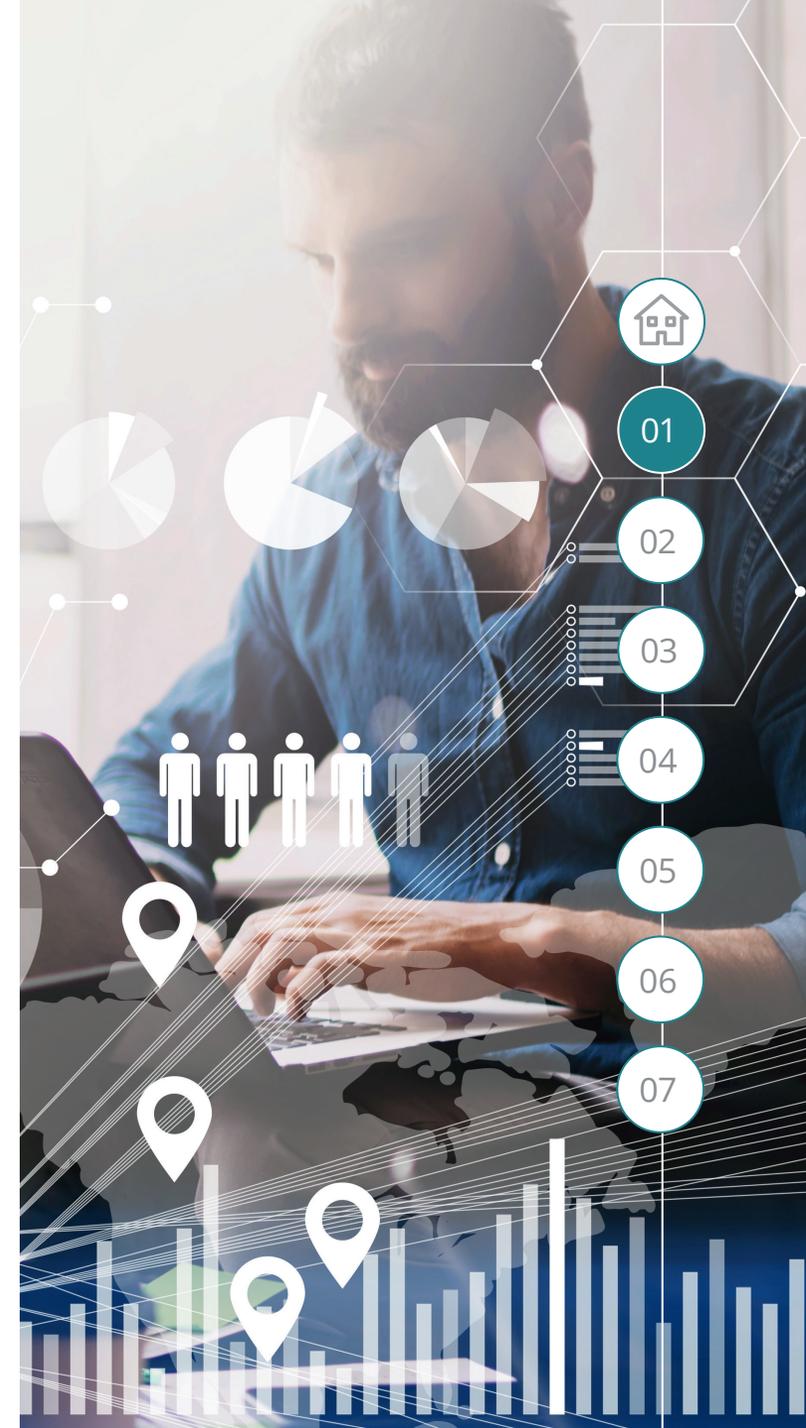
OUR SOLUTIONS

Strategic Offerings: API-led thinking and API-first approach, for enabling integrated, intelligent, and built-to-evolve Kinetic Enterprise capabilities.

Deloitte's Integration Hub: Provides an all-in-one solution for the integration process, offering a methodology, predefined business processes, industry knowledge, accelerators, and templates to accelerate time to value.

Cloud Integration Vault: A single unified platform consisting of APIs and an interfaces library, essential for the "implement" phase of projects.

Clean EDI: Holistic B2B integration solution to build, automate, and manage external B2B integrations with partners while reducing technical debt.



Cloud goes vertical

THE IMPERATIVE

As organizations focus on the growing need of continuously restructuring IT—becoming “plug-and-play-enabled” and carrying out cyclic maintenance—there is a push to become infrastructure independent or agnostic. Amid this trend, cloud service providers are focusing on developing, delivering, and maintaining standardized solutions across domains, making a vertical impact on different industries. With increased demand for “pay as you use” models, scalability, and hyperscale offerings, organizations are focused on cloud-based solutions to execute their daily business needs while keeping the core undisturbed.

HOW WE CAN HELP

Deloitte can help unlock an organization’s full potential, serving as an end-to-end guide for customers’ innovation, platform, and infrastructure transformation needs—while supporting ongoing technology-driven innovation. Deloitte’s boost offering for RISE with SAP helps accelerate and streamline cloud-enabled transformation, through essential services and solutions across the “advise-implement-operate” spectrum. Our capabilities cover needs for SAP S/4HANA and other SAP cloud solutions, finance, supply chain, customer and sales operations, mobility, user experience, virtualization, data management, analytics and more.

POTENTIAL SAP SOLUTIONS

SAP Cloud Application Services offer a robust set of solutions that extend to SAP HANA Enterprise Cloud, SAP S/4HANA Cloud, SAP SuccessFactors, SAP Business Technology Platform, SAP Ariba solutions, SAP Data Warehouse Cloud, and SAP Analytics Cloud. Each of these solutions allows for the building and connecting of innovative business applications—with scalability, next-generation adaptation, and a focus on the enabling the intelligent enterprise.

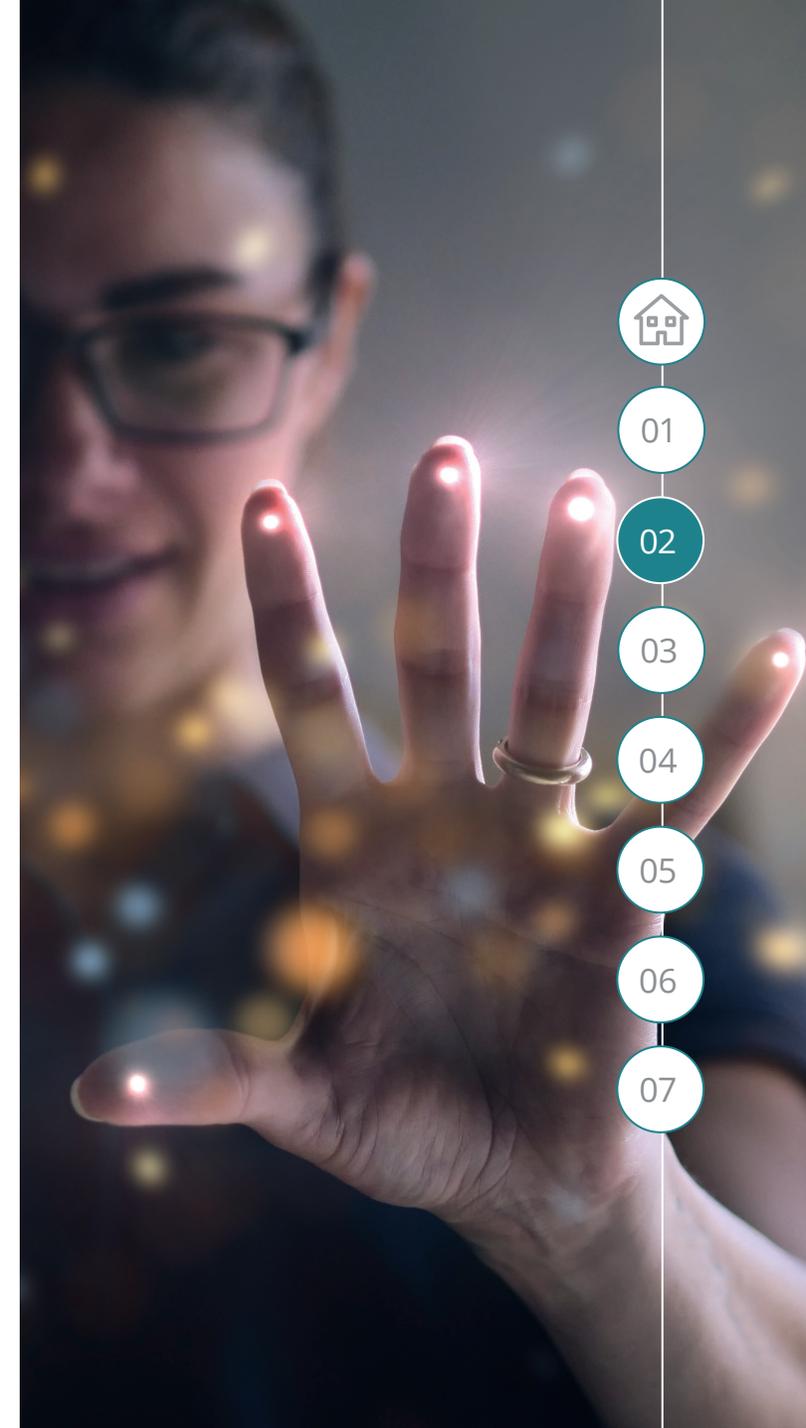
RISE with SAP serves as a comprehensive offering that encompasses cloud ERP, industry leading practices and extensibility, analytics and business process intelligence, and outcome-driven services from SAP and its partners.

OUR SOLUTIONS

AIOPS.D™: An AI-Fueled business platform that autonomously executes and manages core business processes across a wide range of functions, including procurement, finance, and supply chain. Built on Deloitte’s CortexAI™ platform, AIOPS.D can help clients quickly jumpstart AI adoption.

Cloud Workbench: A web-based suite of proprietary Deloitte tools to help accelerate your journey to cloud—through intelligent, data-driven analysis of your environment.

Industry cloud: Industry-focused applications and Kinetic Microservices that address needs such as Operations Agility and Intelligent Spend Management. Deloitte’s Smart Factory Accelerator also provides a cloud-enabled smart manufacturing solution for synchronizing people, assets, and operations—for a connected platform that can scale and flex with business needs. And our ConvergeHEALTH solutions leverage cloud to help deliver more meaningful patient experiences.



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Blockchain: Ready for business

THE IMPERATIVE

Demand for blockchain and distributed ledger technologies (DLT) is increasing—driven by their ability to help industries that perform processes such as manufacturing, 3D printing, spare parts management, procurement, logistics, and finance. As companies get comfortable with blockchain and DLT platforms, creative use cases are cropping up in many industries, fundamentally transforming the nature of doing business across organizational boundaries.

HOW WE CAN HELP

Deloitte's Blockchain & Digital Assets practice is an emerging offering that includes services and experiences such as Deloitte Blockchain Labs, designed to jumpstart the blockchain journey by helping businesses prioritize initiatives, manage opportunities, and address the pain points of blockchain adoption and maturity. Deloitte's network of specialists includes a blockchain "guild" that can effectively implement blockchain across various ERP systems, while also leveraging intelligent SAP capabilities for applications such as machine learning and IoT.

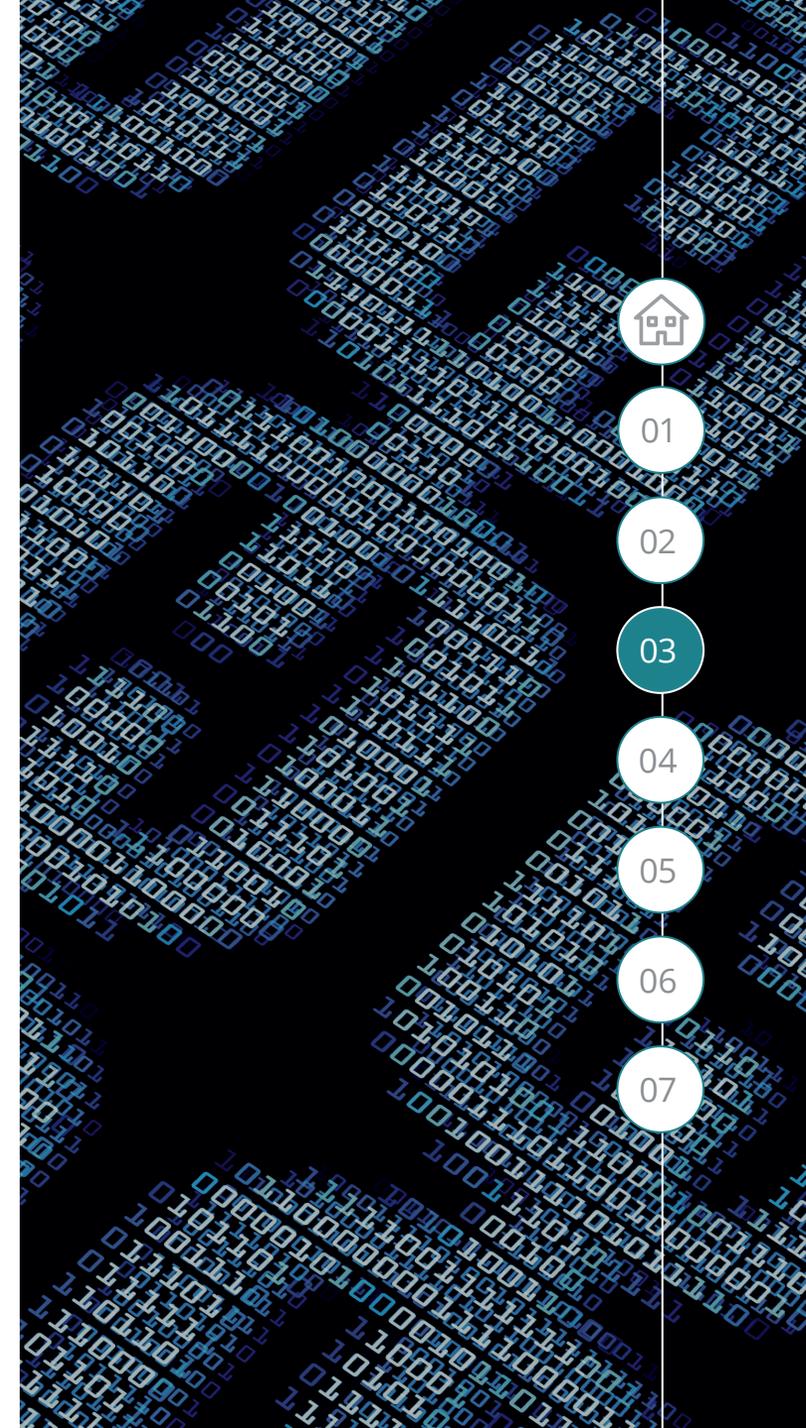
POTENTIAL SAP SOLUTIONS

SAP Cloud Platform Blockchain Service allows development of blockchain scenarios leveraging enterprise-grade blockchain technologies, to build a blockchain integrated with an SAP S/4HANA landscape. Through SAP Business Technology Platform with SAP Cloud Platform, customers can build blockchain networks using different software vendors, with common APIs for the vendor technology.

OUR SOLUTIONS

Kinetic Microservices and industry cloud solutions: A broad portfolio that combines the best of SAP ERP, through Deloitte's next-generation preconfigured core assets, with industry-specific cloud apps and extensions—for core-to-edge digital innovation that unleashes the power of machine Learning, blockchain, IoT, and advanced analytics.

Vehicle registration system: Establishing a digital link between a vehicle and an owner, helping address existing pain points through a single, immutable, and unalterable nonfungible token (NFT) via blockchain.



IT, disrupt thyself: Automating at scale

THE IMPERATIVE

Automation of IT processes from manual tasks is not a new trend. Today's competitive marketplace mandates an ever-evolving robust IT posture for a competitive advantage and organizational agility. This reality demands that organizations focus on three areas—to standardize and automate on-premise Infrastructure as well as software management tools and applications, and to optimize automation using machine learning.

HOW WE CAN HELP

Deloitte's SAP and cloud engineering offerings provides design, implementation, and ongoing operations and maintenance of SAP applications and technology on cloud—supporting scalability, performance, and innovation. Our methodology is based in our work with clients and in our own business, embracing intelligent automation for our own operations. We understand firsthand how to augment the workforce with digital twins, to drive greater efficiency, speed to value, and work quality. Intelligent process automation, AR/VR, artificial intelligence—they are all part and parcel of what we do for SAP customers on a daily basis worldwide. Deloitte solutions including Kinetic Finance Startup and Selective Transformation for SAP S/4HANA also enable “self-configuring” capabilities through robotic process automation and cloud.

POTENTIAL SAP SOLUTIONS

SAP Cloud Application Services offer a robust set of solutions that extend to SAP HANA Enterprise Cloud, SAP S/4HANA Cloud, and other SAP technologies. Coupled with cloud offerings provided by other organizations, these solutions provide a vast range of options to leverage infrastructure-as-code platforms and enable automation of infrastructure capabilities. SAP Intelligent RPA capabilities can help seamlessly support integration with SAP applications, with more than 70 predefined leading practice bots, simplified UI Integration, and a shortened time to deploy.

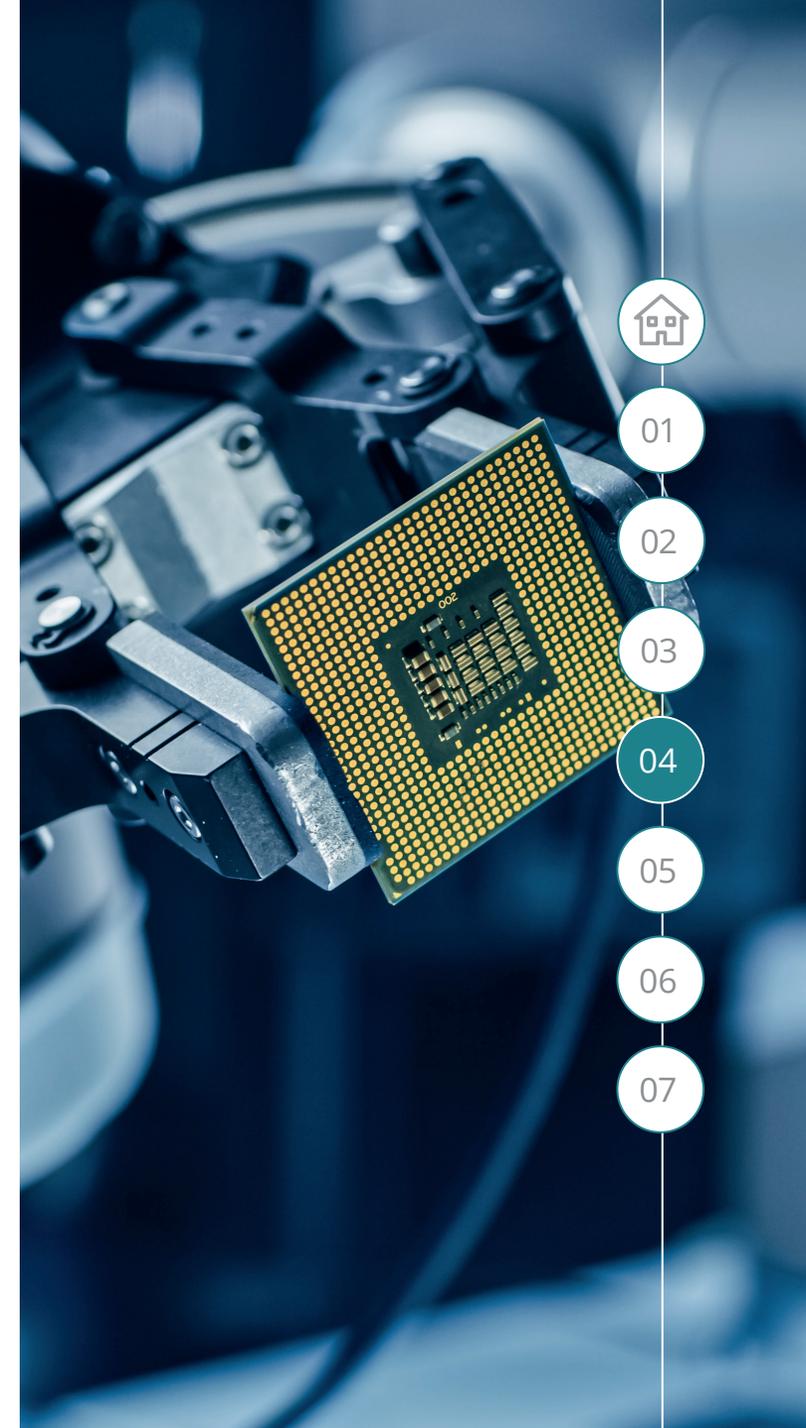
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Deloitte's BOT Store: Deloitte's SAP DFTE Automation Library is a set of automated tasks, processes, and solutions for enabling automation and execution efficiencies.

Smart offering: A one-stop solution that is AI/ML-enabled and leverages digital automation across project phases to drive SAP S/4HANA transformation programs.

Kinetic Finance Startup: Finance transformation solution that uses machine intelligence and cloud to rapidly migrate existing systems to an SAP S/4HANA Central Finance environment.



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Cyber AI: Real defense

THE IMPERATIVE

Despite making significant investments in security technologies, organizations continue to struggle with security breaches. Enterprise attack surfaces are expanding exponentially. The use of 5G is growing, along with the number of network-connected devices, remote work is gaining ground, and third-party attacks have become increasingly pernicious. It is time to call for AI backup. Cyber AI can be a force multiplier that enables organizations not only to respond faster than their attackers can move, but also to anticipate these moves and act in advance. AI can be expanded beyond established applications, such as using it to accelerate data analysis, identify anomalies, and detect threats.

HOW WE CAN HELP

Deloitte's Consulting and Risk Advisory practices can help companies understand the potential of SAP solutions and deploy intelligent offerings that leverage SAP Business Technology Platform, including our industry cloud apps and Kinetic Microservices. Such offerings embed AI - machine learning, RPA, cybersecurity, predictive analytics, behavior prediction, IoT, and other capabilities to automate monitoring and detection, generate valuable insights, and streamline your digital process landscape.

POTENTIAL SAP SOLUTIONS

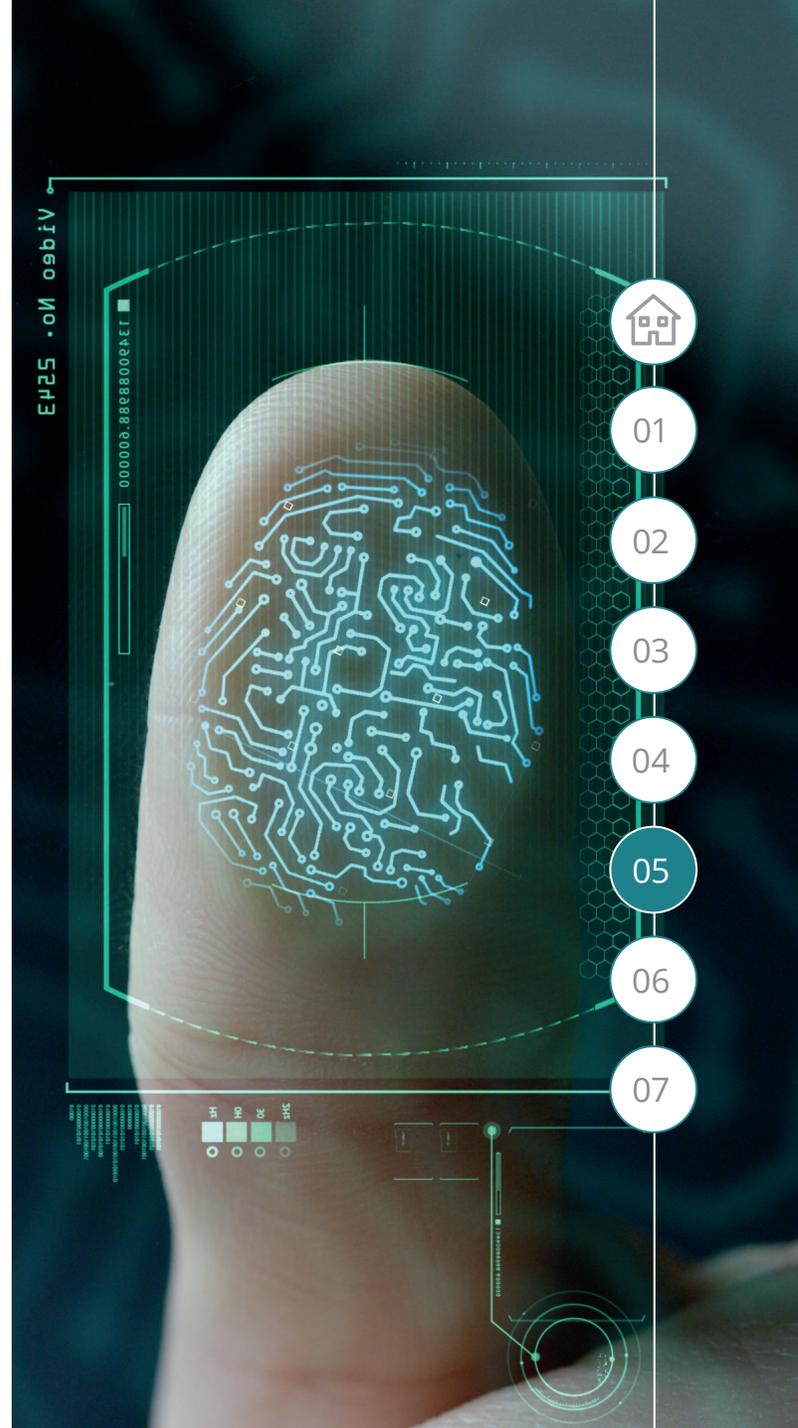
A broad set of SAP technologies for addressing security-related demands and enabling the intelligent enterprise, including: SAP Analytics Cloud, SAP Solution Manager, SAP Digital Business Services, SAP HANA, SAP S/4HANA, SAP Business Technology Platform, SAP Cloud Identity Access Governance, SAP Access Control, and SAP Identity Management.

OUR SOLUTIONS

Risk Quantification Prism: Provides the ability to aggregate, normalize, and enrich data inputs using AI/ML processes to provide a "single pane of glass" view of cybersecurity risk quantification, to help you improve your risk posture and make decisions on cybersecurity strategy.

Deloitte Fortress Cloud Security Automation: Achieve standards-driven security configuration management, continuous monitoring, and auto remediation throughout your cloud environment.

Deloitte Touchless Security: Discover security insights through automated analytics on your existing SAP Landscape, and create security design proposals optimized for SAP S/4HANA.



The tech stack goes physical

THE IMPERATIVE

As the range of physical devices and capabilities explodes, the remit of CIOs is being expanded again, beyond the digital, to broadly encompass these new physical assets. With the wide availability of advanced processors and sensors, industrial robots, and machine learning, any device can be smart, connected, and capable of capturing data and establishing feedback loops—to improve products and services and generate new revenue streams. To boost performance or develop new products and services, organizations likely will need to manage the massive amounts of data generated by these devices.

HOW WE CAN HELP

With the SAP and Deloitte joint reference architecture, businesses can transform at their own pace, adopt industry-specific solutions, select a best-fit cloud infrastructure, and incorporate enabling solutions beyond SAP. Our experience and trained workforce in SAP intelligent technologies can help customer build best-in-class solutions and meet their enterprise organizational goals.

POTENTIAL SAP SOLUTIONS

Intelligent technologies from SAP Business Technology Platform, for optimizing processes, maximizing resources, and igniting innovation through a combination of intelligent technologies, services, and industry-focused solutions; SAP capabilities for IoT, edge services, intelligent robotic process automation, conversational AI and AI business services; SAP HANA and SAP Cloud Platform to support insights and integration.

OUR SOLUTIONS

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Smart Factory: Powered by SAP solutions, to fuel innovation and smart factory capabilities (through collaboration with Wichita State University).

Connected Consumer Platform: Bringing physical and digital experiences closer together through technologies such as predictive analytics, smart shelves, IoT, and AR/VR.



What comes next for your organization?

In the time it took you to read this report, many thousands of business forces have evolved across the globe—new ideas, technologies, business models, market conditions, and realities.

Spotting the fast-developing trends—and understanding them—has never been more important for organizations that want to move at the speed of disruption, to get ahead of future challenges and opportunities.

And you don't have to do it alone. No matter what the future holds for your business, Deloitte can help you navigate ongoing trends and activate a disruption-ready Kinetic Enterprise—one that allows you to harness change and turn it into value time and time again.

Our goal: to help you break every boundary—to collaborate more effectively, exceed expectations, overcome the obstacles ahead, and propel your business faster, higher, and farther than you ever imagined.



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Find out how our extensive SAP experience, industry-specific capabilities, ready-to-deploy solutions, and worldwide team of SAP-focused transformation professionals can help you innovate continuously and make a bigger business impact. Contact us to get the conversation started.

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Tech Trends report [here](#).