SAP cyber and data security

KPMG Security and Controls solutions

The target security operations model

Given the growing potential and high risk of ERP breaches, companies are searching for the most effective way to safeguard their assets across all businesses and functions as they transition to S/4HANA. The solution starts with a strong cyber security framework, including leading practices and technologies that enable organizations to continuously detect and monitor their core business systems long past implementation.

Report and enhance

Meaningful reporting increases the visibility and insights into system threats and vulnerabilities, the effectiveness of the security operations program over time, and opportunities for enhancement to continuously improve and build resilience.

Risk remediation

Upon identification of threats and vulnerabilities, risks are triaged based on relevancy and impact, followed by activities to remediate, mitigate and/or respond.
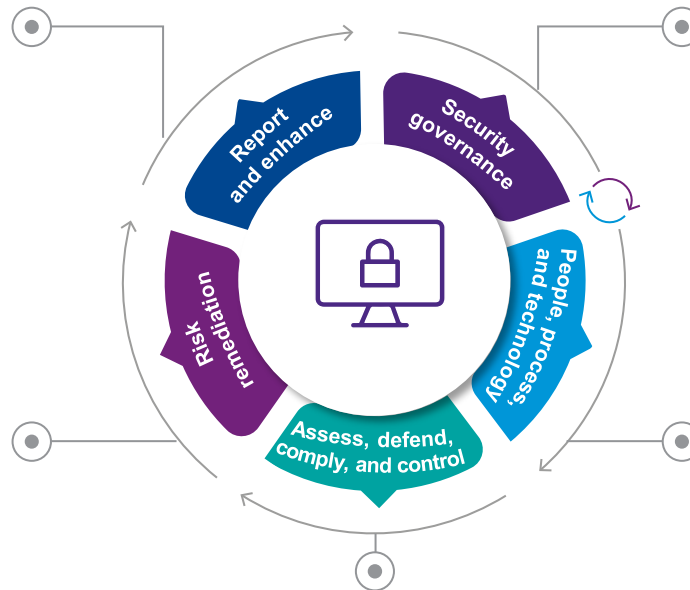
Security governance

An effective SAP cyber governance strategy identifies the cybersecurity risks within the SAP ecosystem and prioritizes them based on business objectives, vulnerability magnitude, and regulatory requirements. Risk mitigation requirements are then based on the findings and analysis.

People, process, and technology

Driven by the security governance strategy, develop a target operating model (TOM) for managing SAP cyber security, aligns process, people and technology to determine how a risk is managed, prioritized, and responded to. Note that the process, people and technology may also influence the governance strategy.

Assess, defend, comply, and control

Advanced technologies increase efficiency and effectiveness by:

— Assessing, identifying and prioritizing application threats and vulnerabilities.
— Integrating continuous monitoring of threats to defend the SAP ecosystem in real time.
— Automating compliance reporting and the audit process to comply with regulatory requirements.
— Controlling operational risks associated with SAP maintenance through fortification and the identification of system and code misconfigurations and vulnerabilities.

How KPMG and Onapsis work together

KPMG and Onapsis work side by side with organizations throughout their migration to SAP S4/HANA to help ensure a secure and efficient outcome.

KPMG helps clients to identify risks and implement leading practices and solutions to secure their SAP landscape. This approach incorporates cyber security process design and technology adoption into your modern ERP project to enable a leading practice SAP security target operating model. Tools and benchmarks are leveraged implement proper SAP S4/HANA security controls based on a cyber security framework established by the National Institute of Standards and Technology (NIST).

Whatever your approach to SAP S/4HANA transformation— starting from scratch or migrating legacy, deploying on-premises or in the cloud—Onapsis can help. Vulnerability management, threat monitoring, application security testing, and compliance automation solutions help prepare legacy applications and code for migration and accelerate development of new HANA and Fiori apps. Using these tools from the start of your project ensures applications and data are protected throughout the project and helps prevent project delays due to security, compliance, or quality issues.

How we can help

About KPMG

KPMG has advised companies how to design and implement effective application security for more than two decades, including helping them implement leading practice processes and tools to manage SAP security risks. Our dedicated SAP security and controls technology specialists bring together various skills to help security, basis, and risk management teams understand SAP application security risks, and how to implement processes and technology to address those risks. KPMG's professionals are trained in SAP cyber security and have a wide range of industry, functional, and application security experience to assist companies with their unique needs. For more information, visit **read.kpmg.us/GRC**

About Onapsis

Onapsis has spent more than a decade focused on securing business-critical applications, including those running on SAP. In that time, our vulnerability management, threat monitoring, application security testing, and compliance automation solutions have helped hundreds of organizations protect their most critical systems and data, and, ultimately, keep their businesses functioning properly. With our tools and expertise, you can build security into your project from the start to ensure a successful transformation to SAP S/4HANA. For more information, visit **www.onapsis.com.**

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