



RISE with SAP advanced security and data protection

Arndt Lingscheid, SAP
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Public



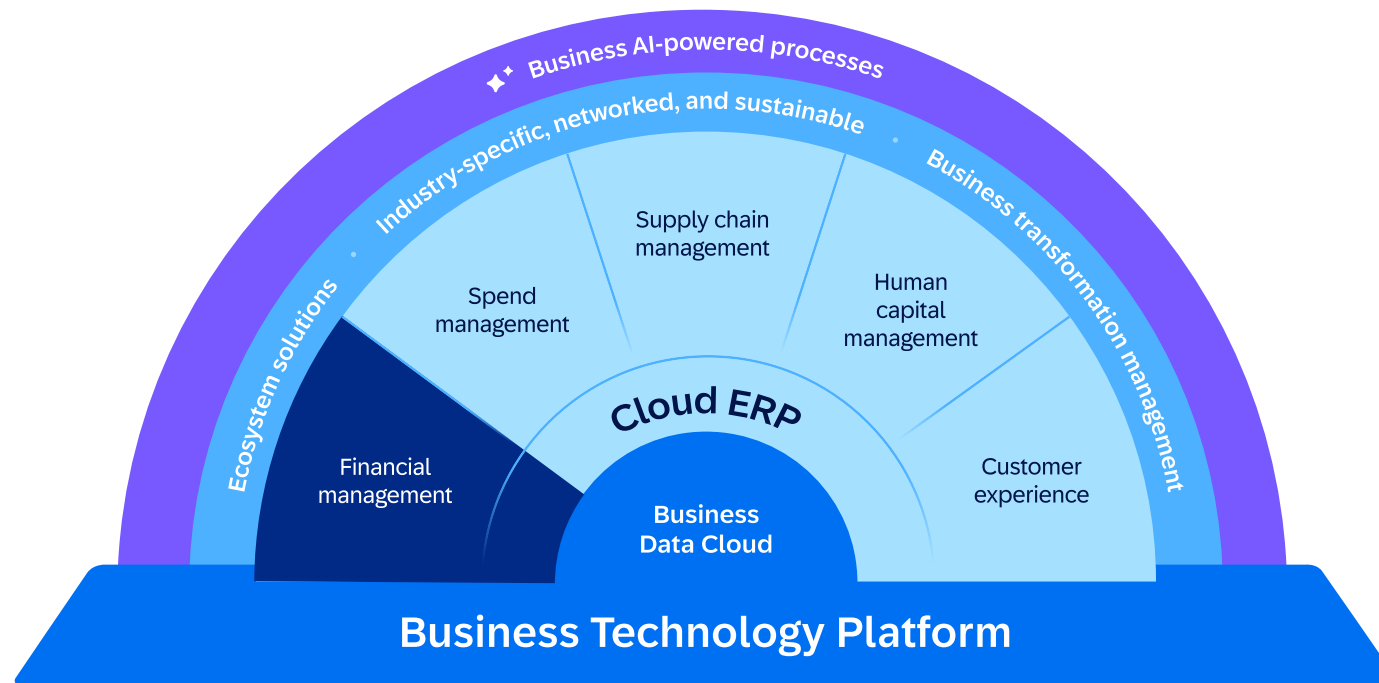
Agenda

RISE with SAP advanced security and data protection

- SAP Business Suite: the future
- Facts and figures
- What could go wrong?
- Audit compliance
- Required capabilities for application security
- Comprehensive compliance and security processes in RISE with SAP and GROW with SAP
- RISE with SAP advanced security and data protection
- SAP Business Suite
- SAP Business Suite advanced security and data protection



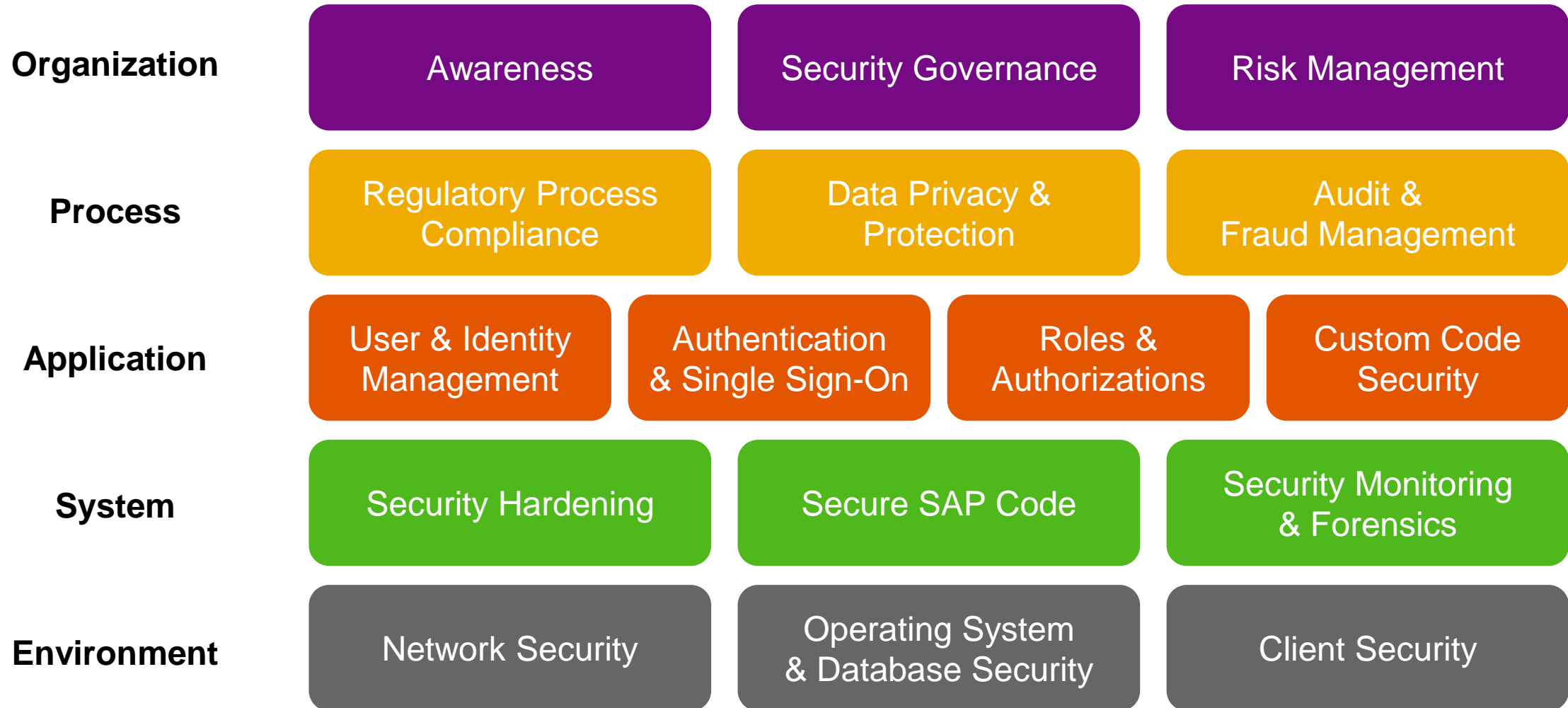
SAP Business Suite: the future of financial management, enabling CFOs to achieve their top objectives



CFO's top objectives

- 1 **Manage uncertainty** through effective steering and agile planning
- 2 **Navigate transformation** supported by efficient processes to balance growth and profitability
- 3 **Ensure compliance and sustainability** in an ever-evolving regulatory and risk environment

SAP Secure Operations Map



Facts and Figures

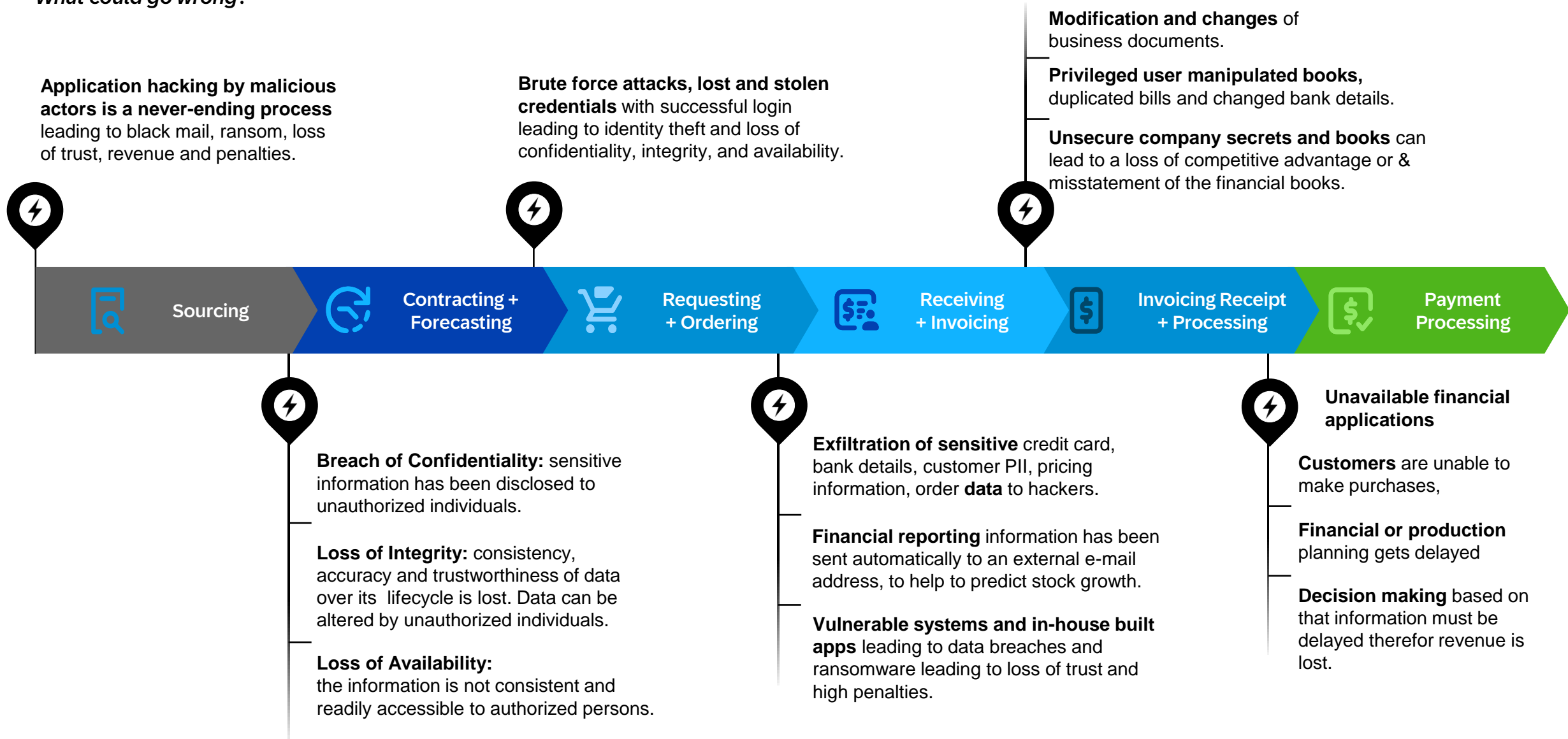
- **\$6 trillion**
drained from the global economy through cybercrime annually

- **70% of organizations**
running SAP must navigate
GDPR, NIS2, KRITIS, DORA, or other local security laws

- **87% of organizations**
are experiencing a shortfall of security talent

SAP S/4HANA Source-to-Pay Process

What could go wrong?



General audit compliance e.g. GDPR



Article 5 (2)

Accountability Principle

Organizations must demonstrate compliance with GDPR principles.

Having an audit trail helps show that proper steps were taken to protect personal data.



Article 30

Records of Processing Activities

Controllers and processors must maintain records of processing activities, including purposes of processing, categories of data subjects and personal data, recipients of data, and security measures.

An audit trail can help ensure these records are accurate and readily accessible.



Article 32

Security of Processing

Organizations are required to ensure the confidentiality, integrity, availability, and resilience of processing systems and services.

This often involves logging access and changes to personal data.



Articles 15-22

Rights of Data Subjects

These articles cover rights such as access, rectification, deletion, and data portability.

Maintaining logs helps organizations track and respond to these requests.



Articles 33 & 34

Data Breach Notifications

In the event of a personal data breach, organizations must notify the relevant supervisory authority and, in some cases, the data subjects.

An audit trail can help identify the breach's scope and impact.



Article 35

Data Protection Impact Assessments

Required when data processing is likely to result in a high risk to the rights and freedoms of natural persons.

Audit trails can support these assessments by providing evidence of compliance measures and risk management.

Benefits of an Audit Trail for Compliance



Transparency

An audit trail can record who accessed what data and when, fulfilling the need for transparency in data processing activities.



Accountability

By maintaining detailed logs, an organization can demonstrate accountability and compliance with GDPR mandates.



Security

Knowing that actions are being logged can be a deterrent against unauthorized access and actions within the ERP system



Ease of Reporting

When an organization has to produce records for inspections, audits, or in response to data subjects' queries, a comprehensive audit trail simplifies the task.

While GDPR does not explicitly mandate maintaining a full audit trail, creating and retaining such a trail can be a strong practice to meet several GDPR obligations effectively.

Given the importance of these compliance elements, many organizations find it wise to implement comprehensive audit trails within their ERP systems and other processing environments.

Always consult with a legal expert or data protection officer (DPO) to ensure your practices align with GDPR and any other relevant regulations. This is no legal advice.

Required Capabilities for application security

1 Managed Service

Simplifying security monitoring in the cloud as SaaS enables a seamless transfer of monitoring activities to SAP or partners, significantly reducing the effort required to manage security resources and lowering the cost of security related tasks by sharing security resources.

2 Audit

Optimize the availability and use of data for complete proof of user behavior, threat and anomaly detection, and forensic analysis in business applications minimizing risk of fraud and hacker attacks.

3 Business

Effectively manage and detect threats at the business application and database level, to ensure smooth operation and comply with legal legislations such as EU NIS2, RCE, KRITIS, GDPR and other local security laws.

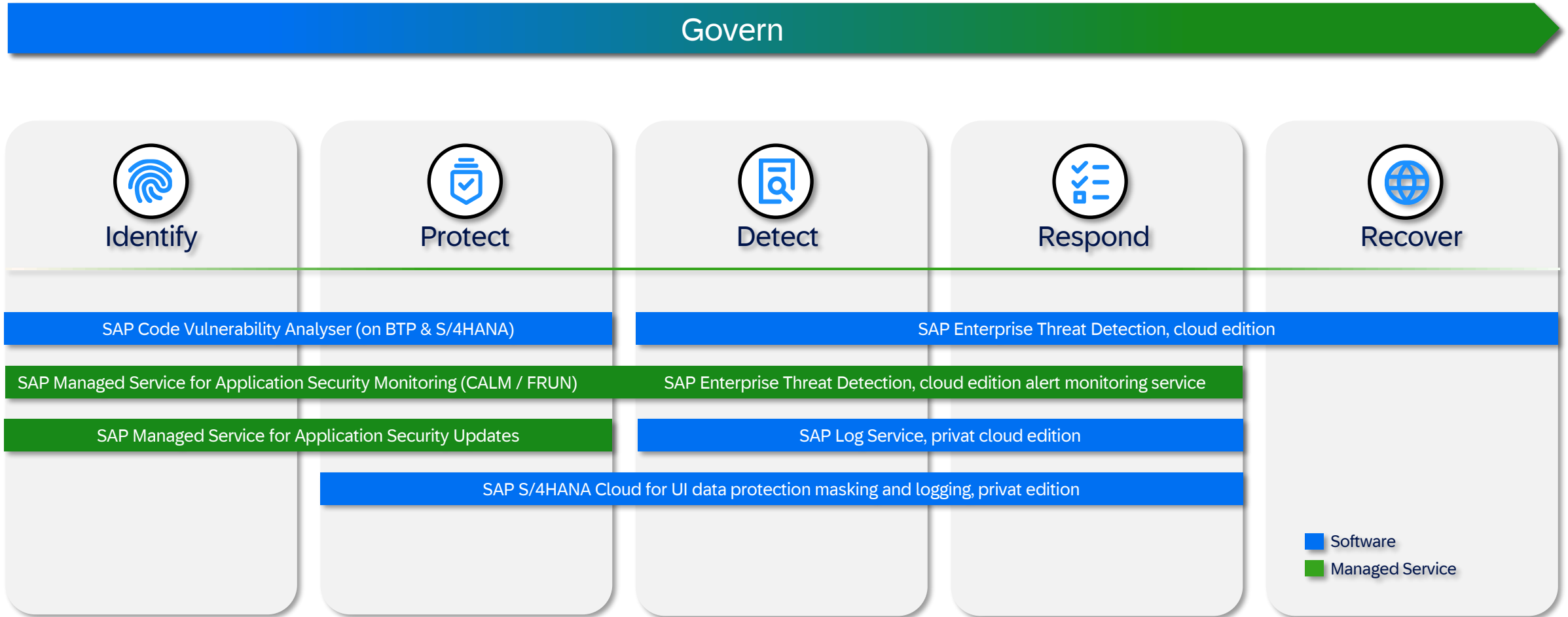
4 Scalable

Economically analyze a vast quantity of log data and correlate information cross systems over long time to achieve transparency cross SAP business applications to maximize high value outputs and safeguard the applications.



RISE with SAP advanced security and data protection (package)

(NIST Framework mapping)



RISE with SAP advanced security and data protection



Vulnerability Management

Secure configuration and code management



Threat Detection and Data Protection

Real time threat detection and protection of sensitive data



SAP Security Cloud Application Services

Security, alert monitoring and patch management



Value Proposition

RISE with RISE with SAP advanced security and data protection



Holistic Security:

Protects your SAP RISE / GROW journey with comprehensive threat detection, vulnerability analysis, patch management, data protection, and log service.



Integrated Services:

Combines SAP security software and managed services, allowing you to focus on core business operations.



Cost Efficiency:

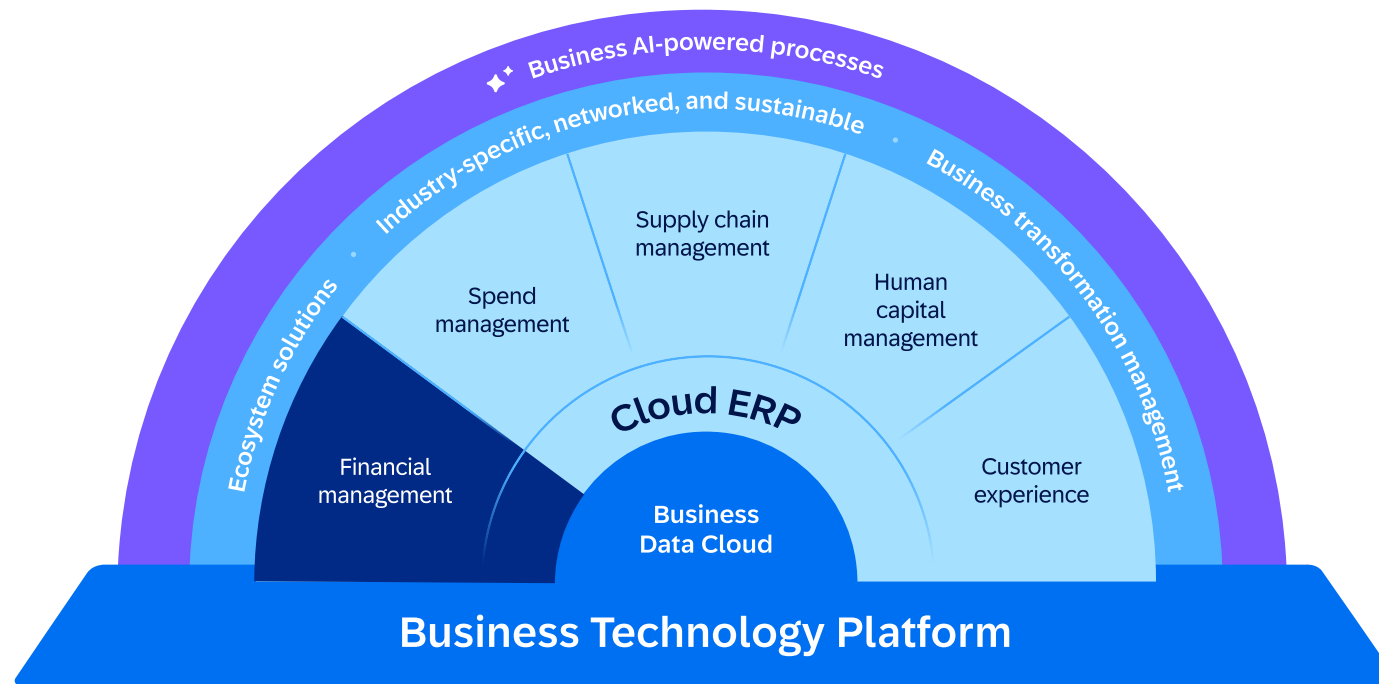
Save up to 30% on software subscriptions with a single offering for streamlined decision-making.



Compliance with Confidence:

Helps ensure regulatory compliance and robust security with confidence.

SAP Business Suite: the future of financial management, enabling CFOs to achieve their top objectives



CFO's top objectives

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Advanced security and data protection package protects your organization from adverse events with adequate controls and documented business impact

Finance Leaders' Top Objectives

- 1** **Manage uncertainty** through effective steering and agile planning
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Conquering these objectives requires Finance team across every process to work in unison

Financial planning and analysis

Steer the company based on financials and non-financials

Accounting and financial close

Streamline operations with automation

Working capital and treasury

Fund the business and support sustainable growth

Quote-to-cash

Grow profitable revenues

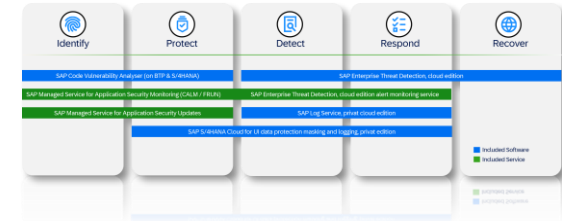
Tax and Trade

Manage tax and trade

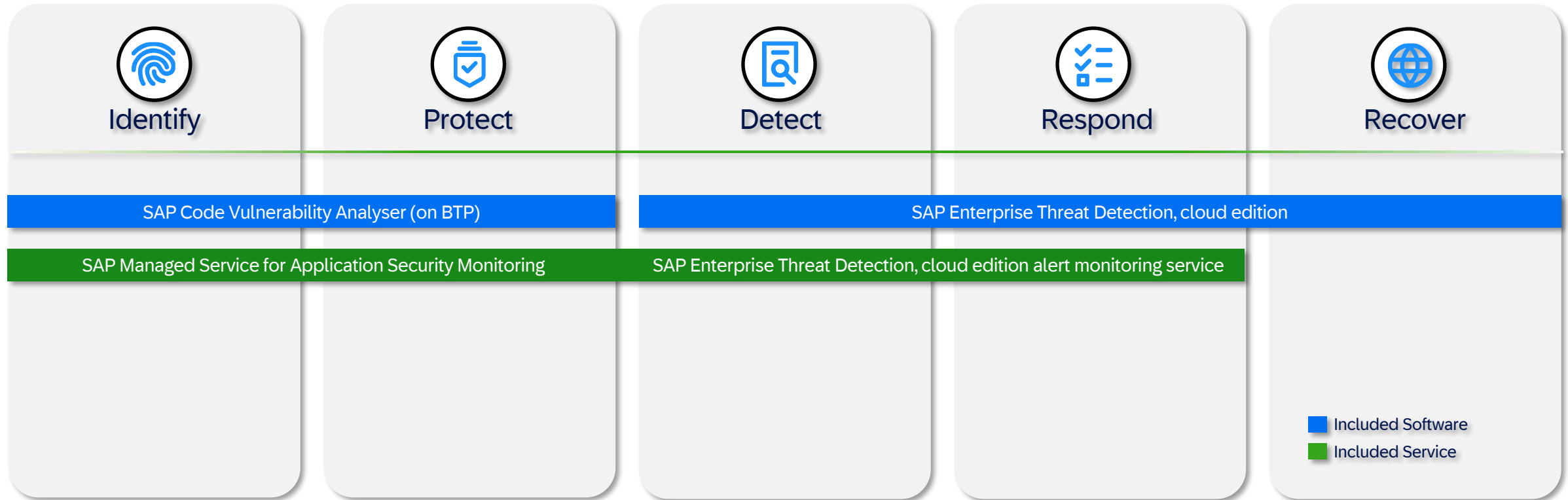
Governance, risk, and compliance

Manage risk and compliance, accelerate reporting

SAP Business Suite advanced security and data protection



Govern



Take away

Bruce Schneier:

"[Security is not a product, but a process](#). It's about identifying, assessing, and mitigating risks that might affect an application or its data integrity."

Gene Spafford:

"[The only truly secure system is one that is powered off](#), cast in a block of concrete, and sealed in a lead-lined room with armed guards—and even then I have my doubts."

Whitfield Diffie:

"The challenge of application security is less about building bridges over technical gaps, [and more about aligning priorities and incentives among stakeholders](#)."

Thank you.

Contact information:

Name: Arndt Lingscheid

Email a.lingscheid@sap.com

 **Bring out your best.**