

Governance, Risk, Compliance (GRC), and Cybersecurity

Reimagine risk and compliance with integrated, automated, and embedded solutions to protect your business

Introduction for ASUG Pittsburgh

Ron Corsello - Director
oCFO Center of Excellence

PUBLIC

Disclaimer

- The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.
- This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes , except if such damages were caused by SAP's intentional or gross negligence.
- All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Cyberattack forces major US fuel pipeline to shut down

By Veronica Stracqualursi, Geneva Sands and Arlette Saenz, CNN

Updated 2212 GMT (0612 HKT)



Hive ransom gang hacks major US health group

by Damien Black | 31 March 2022



The Hive ransomware outfit has stolen 850,000 personally identifiable information records from the Partnership HealthPlan (PHP) of California, according to sources.

The ransom gang is thought by research firm Sentinel Labs to have used "IPfuscation" to mount a stealth attack on victims by disguising its IP addresses through an innocuous series of legitimate IP addresses.

The major US healthcare provider confirmed the breach in a statement, noting anomalous activity on certain computer systems within its network.

Hidden agenda: Microsoft and Google users targeted by threat actors on free calendar app

by Damien Black | 31 March 2022



Black-hat hackers have been running a tight phishing schedule, using the Calendly app to trick Microsoft and Google users into giving up their personal data, says a report by infosecurity firm Inky.

Cyberattacks from threat actors

SHARE f t in e

Editor's choice



Lapsus\$ has exaggerated the scale of access to Okta

by Jurgita Lapienyte | 24 March 2022

Authentication firm Okta has reached out to customers potentially affected by the recent Lapsus\$ extortion group had access to the engineer's computer for five days in January.

Read more

10GB of Nestlé data exposed

SAP GRC & CyberSecurity Solutions

Office of the CFO (oCFO) Applications

A comprehensive Portfolio



(aka RISE with SAP S/4HANA)

VP, FP&A



Financial Planning & Analysis

BPC + SAC/Planning

Profitability & Cost Management

Management Reporting

(P&T sales bag)

Finance Director



Accounting & Financial Close

Central Finance

Account Rec (Blackline)

Fin Statements Insights

Group Reporting

Tax Management / ACR

Financial Close Cockpit

Controller



Finance Operations

Adv Payment Mgt

Receivables Mgt (Credit, Payments, Disputes)

Cash Application (ML)

Shared Services Mgt

Real Estate Mgt

Lease & Contract Mgt

Treasurer



Treasury Management

Bank Communications

Cash Mgt

Treasury & Risk Mgt

Multi-Bank Connectivity

In-House Cash Mgt

BRIM

Audit, GRC



Enterprise Risk & Compliance

Enterprise Risk Mgt

Process Controls & Compliance Mgt

Business Partner Screening

Business Integrity (Fraud) Screening

Audit Management

Global Trade Mgt

CISO, CIO



Cybersecurity & Data Protection

Access Control & Identity Management

Single Sign-on

Access Violation Mgt

Data Loss Prevention

Cloud Identity Access Governance

UI Masking & Logging

SAP GRC solutions and SAP solutions for cybersecurity and data protection

Solution mapping to key themes



Risk & compliance

- ✓ SAP Process Control
- ✓ SAP Financial Compliance Mgt
- ✓ SAP Audit Management
- ✓ SAP Risk Management
- ✓ SAP Business Integrity Screening
- ✓ SAP Regulation Management by Greenlight

Access governance

- ✓ SAP Access Control
- ✓ SAP Cloud Identity Access Governance
- ✓ SAP Single Sign-On
- ✓ SAP Identity Management
- ✓ Access Violation Mgt by Greenlight
- ✓ Identity Authentication (SAP Cloud Identity Services)
- ✓ Identity Provisioning (SAP Cloud Identity Services)

Cybersecurity, Data protection & privacy

- ✓ SAP Enterprise Threat Detection
- ✓ UI data protection masking
- ✓ UI data protection logging
- ✓ SAP Data Custodian
- ✓ SAP Data Custodian key mgt service
- ✓ SAP Privacy Governance
- ✓ SAP Code Vulnerability Analyzer
- ✓ SAP Focused Run
- ✓ SAP Privacy Management by BigID
- ✓ The Onapsis Platform for Cybersecurity and Compliance By Onapsis Inc

Global trade

- ✓ SAP Global Trade Services
- ✓ SAP S/4HANA for international trade
- ✓ SAP Watch List Screening

SAP GRC solutions and SAP solutions for cybersecurity and data protection

Must haves, Recommended and partner solutions



Risk & compliance

- ✓ SAP Process Control
- ✓ SAP Financial Compliance Mgt
- ✓ SAP Audit Management
- ✓ SAP Risk Management
- ✓ SAP Business Integrity Screening
- ✓ SAP Regulation Management by Greenlight



Access governance

- ✓ SAP Access Control
- ✓ SAP Cloud Identity Access Governance
- ✓ SAP Single Sign-On
- ✓ SAP Identity Management
- ✓ Access Violation Mgt by Greenlight
- ✓ Identity Authentication (SAP Cloud Identity Services)
- ✓ Identity Provisioning (SAP Cloud Identity Services)



Cybersecurity, Data protection & privacy

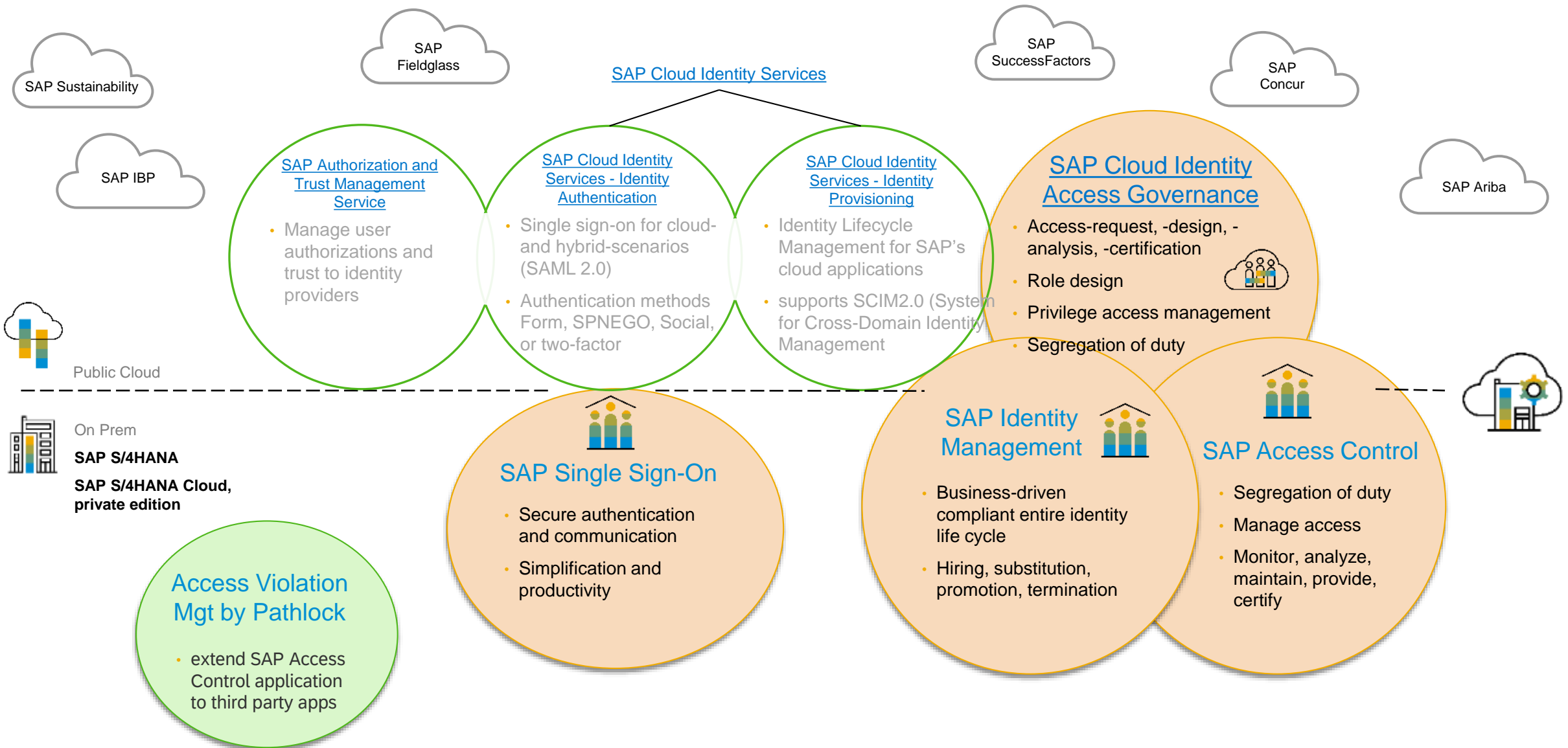
- ✓ SAP Enterprise Threat Detection
- ✓ UI data protection masking
- ✓ UI data protection logging
- ✓ SAP Data Custodian
- ✓ SAP Data Custodian key mgt service
- ✓ SAP Privacy Governance
- ✓ SAP Code Vulnerability Analyzer
- ✓ SAP Focused Run
- ✓ SAP Privacy Management by BigID
- ✓ The Onapsis Platform for Cybersecurity and Compliance By Onapsis Inc



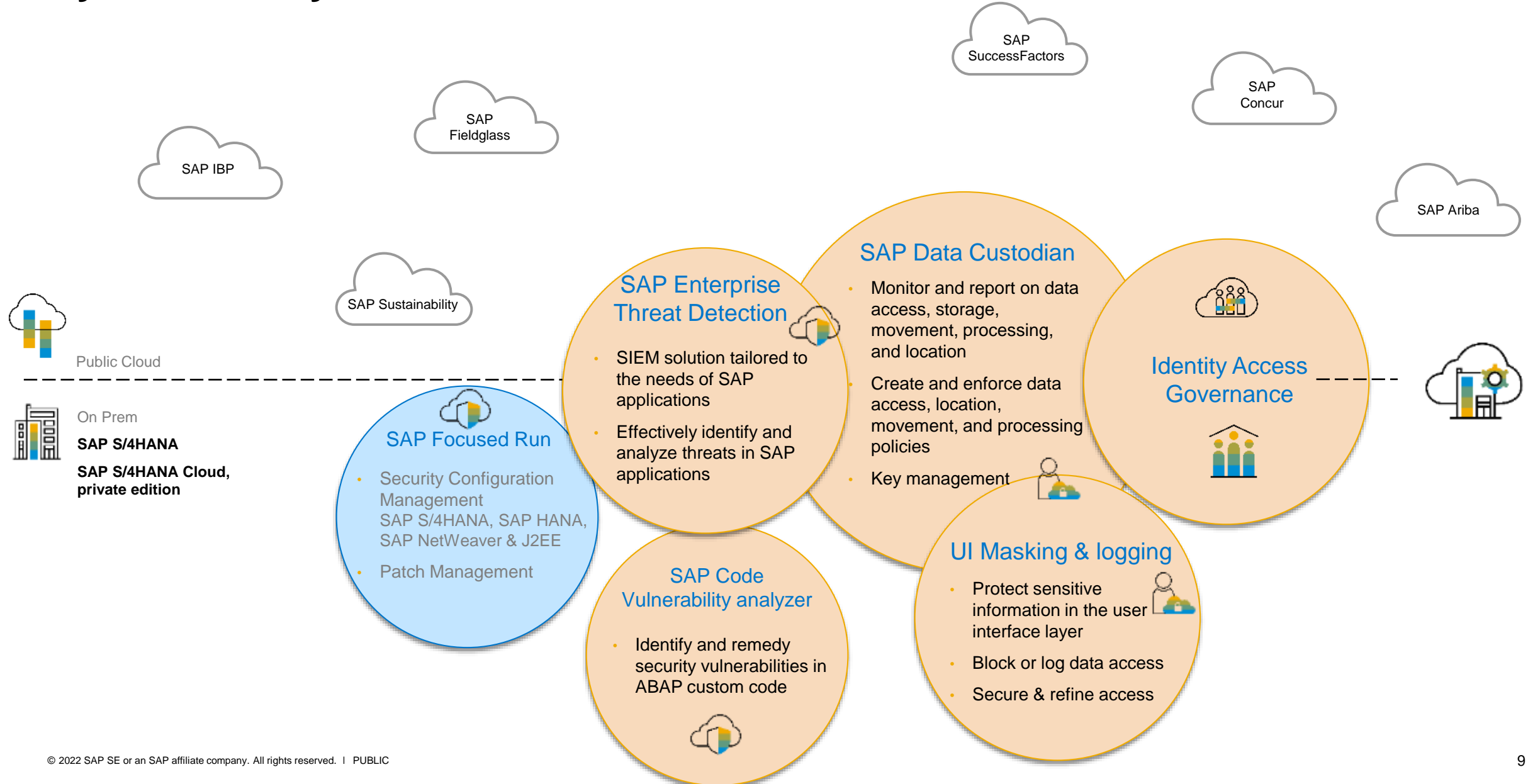
Global trade

- ✓ SAP Global Trade Services
- ✓ SAP Watch List Screening

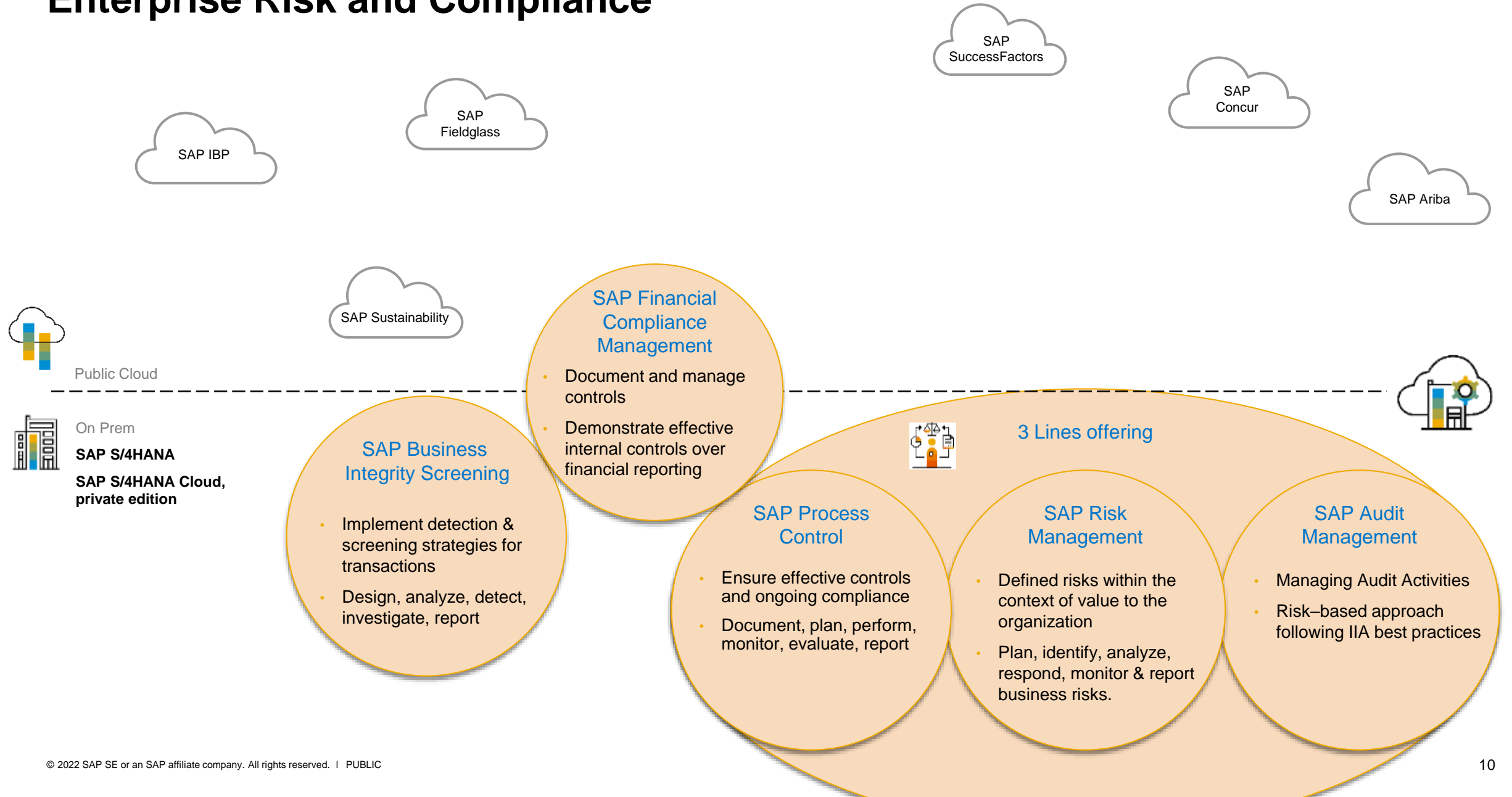
Identity and Access Governance



Cyber Security and Data Protection



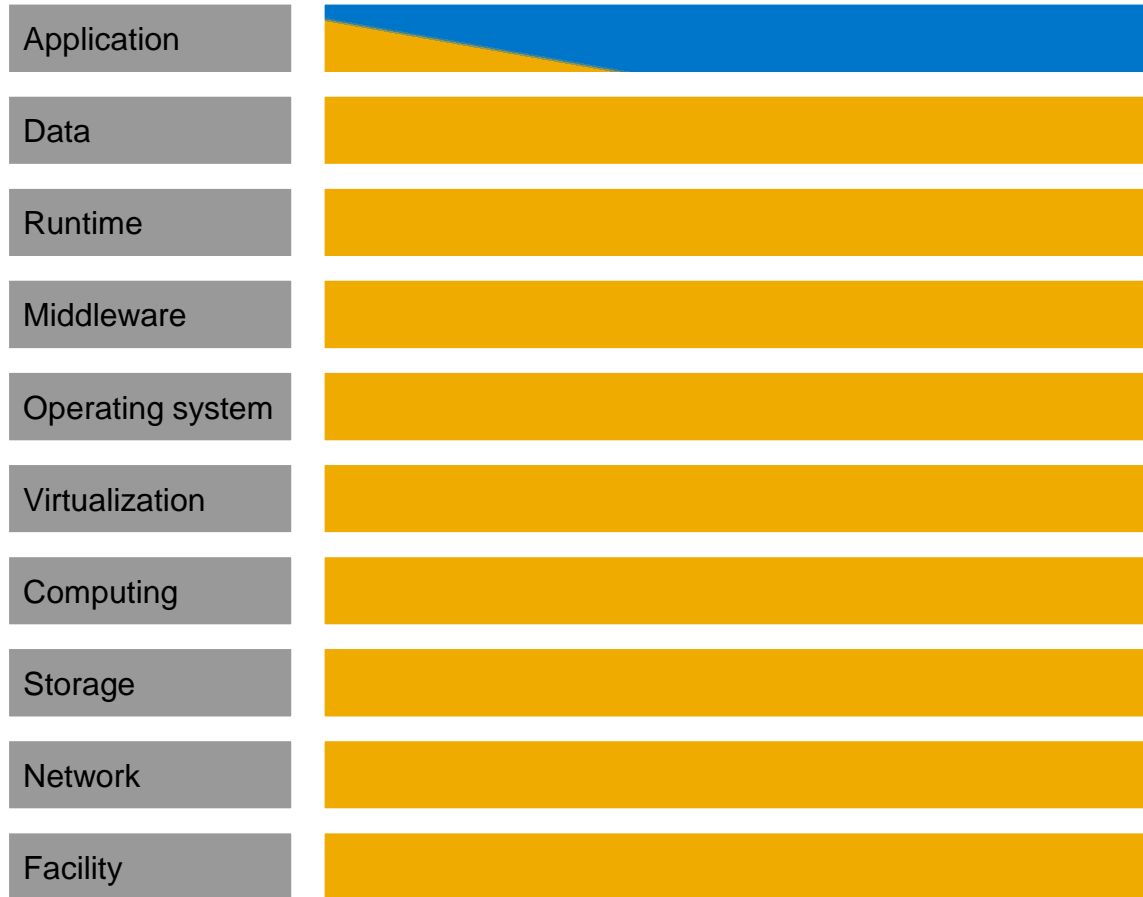
Enterprise Risk and Compliance



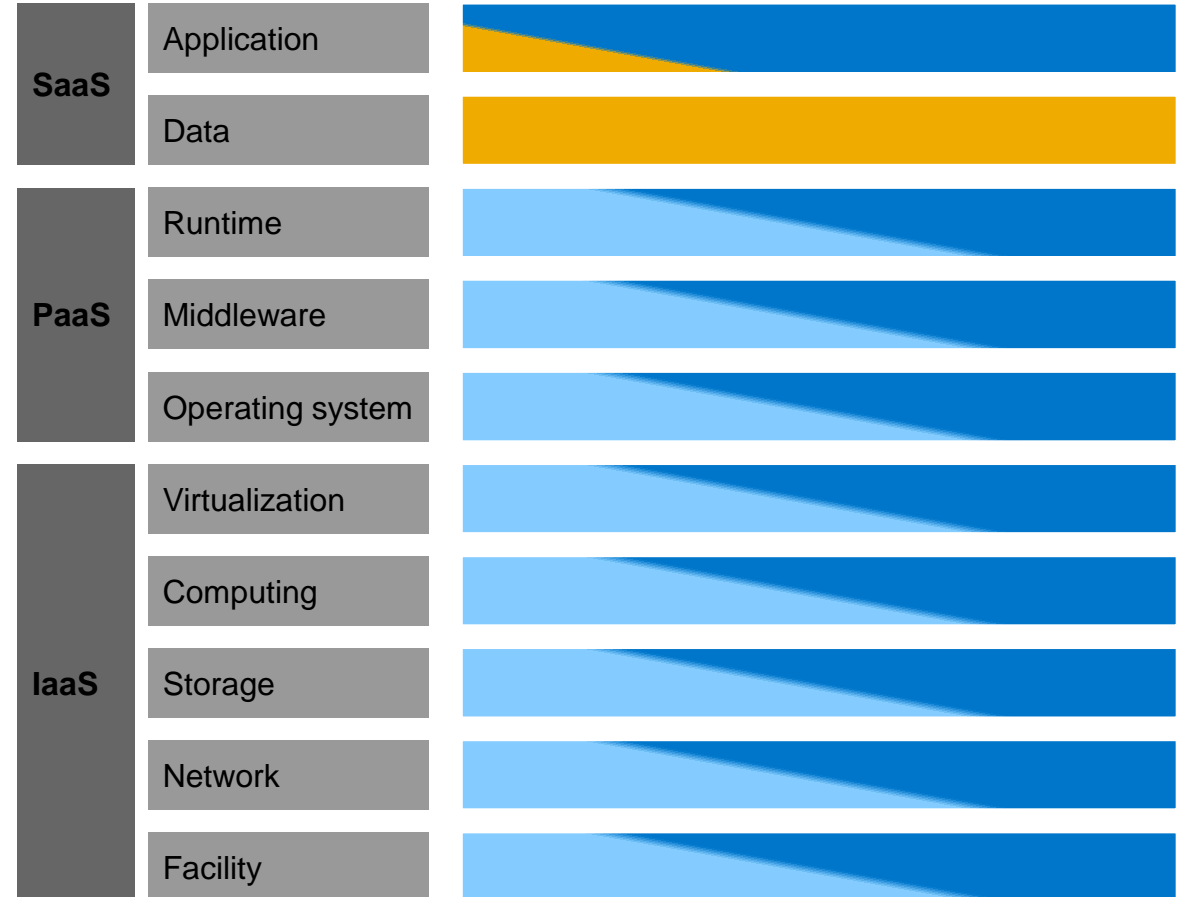
Transition from on-premise to cloud

■ Security provided by SAP
 ■ Security provided by third party on behalf of SAP¹
■ Security provided by Customer

From: SAP developing products for customers to run on-prem



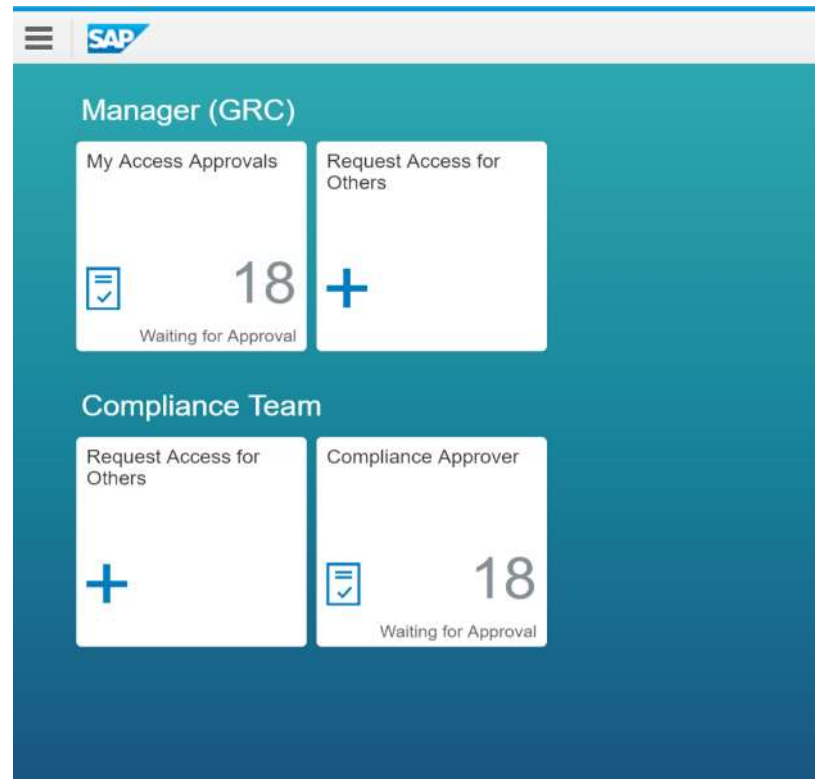
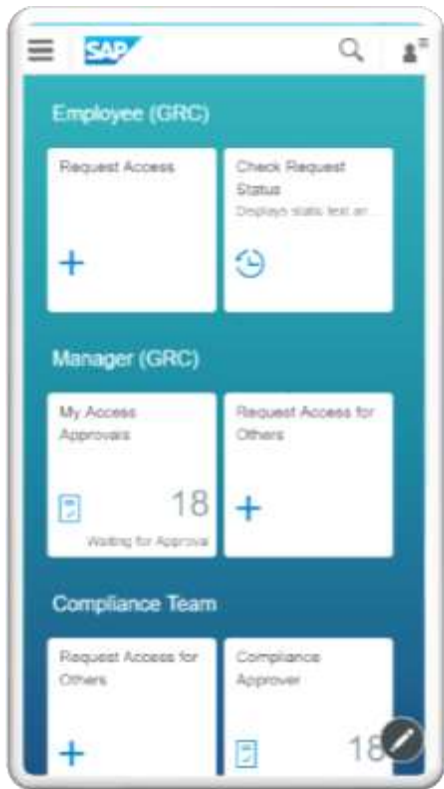
To: SAP developing and operating products for customers in cloud



¹ E.g., cloud service providers if product does not run on SAP-operated cloud environment (e.g., AWS cloud)

Multidevice UI for SAP GRC solutions using SAP Fiori apps

Mobile access controls



Key benefits

HTML5-based SAP Fiori apps for access control enable employees and managers to **request access, check request status, and approve access requests quickly and conveniently using any mobile device** that supports HTML5.

These SAP Fiori apps enable managers to review and approve **time-sensitive and operational-critical access requests**, allowing authorized employees to gain access to systems and continue their work in a timely manner.

Two-factor authentication for X.509 and SAML scenarios

Authentication based on two means of identification

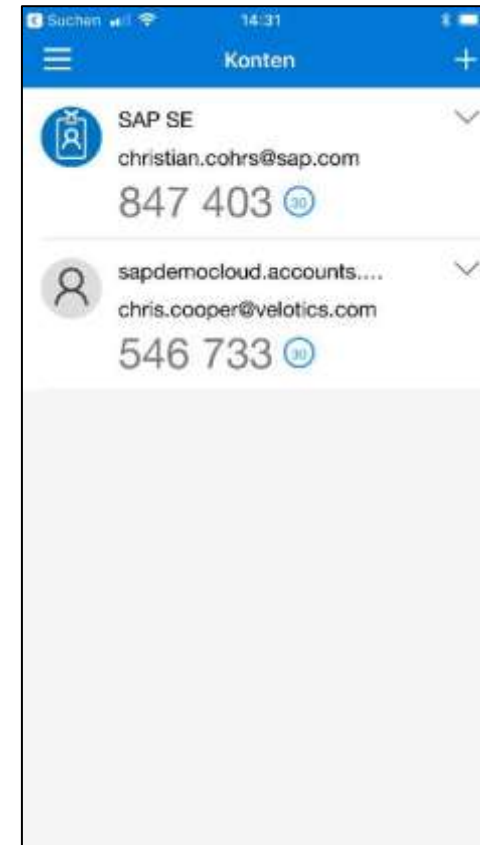
- Knowledge of a password
- Possession of a physical device, such as a smart phone

Options for the second factor

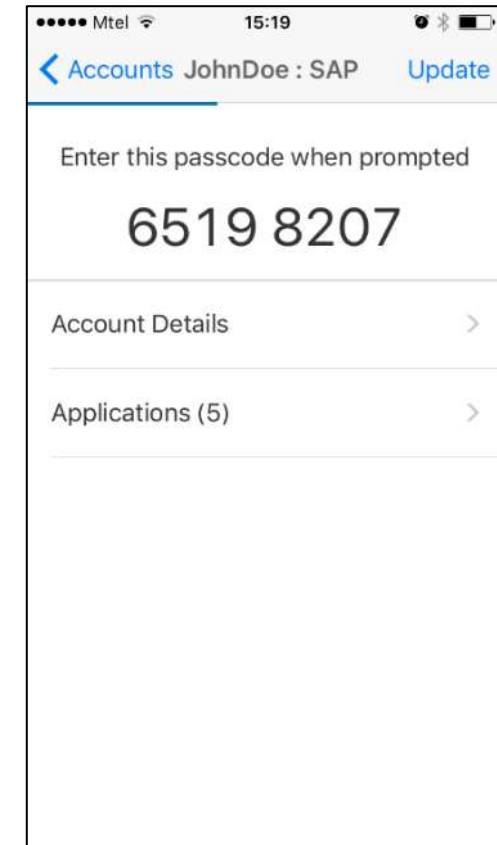
- Time-Based One-Time Password (TOTP) generators
 - SAP Authenticator app
 - Third-party generators compliant with [RFC 6238](#)
- Third-party applications supporting the RADIUS protocol, such as RSA SecurID®
- One-time passwords via SMS or e-mail

Usage scenarios

- Recommended for systems with high security requirements
- Configurable per system or even user
- Seamless integration into Secure Login Client for certificate-based scenarios



Microsoft Authenticator



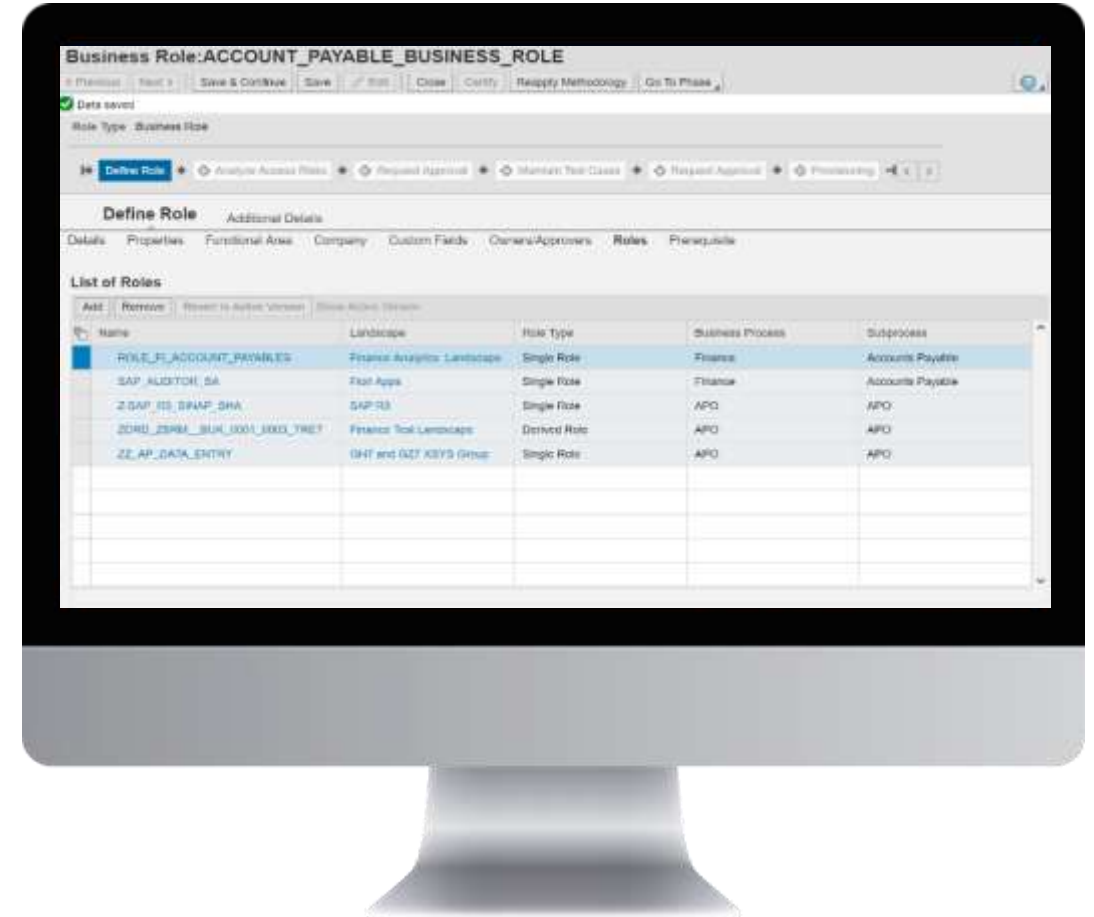
SAP Authenticator

SAP Access Control

Manage access risk

Streamline user access management

- Identify and remediate SoD and critical access violations accurately with embedded risk analysis
- Automate user-access assignments across SAP and non-SAP systems
- Define and maintain compliant roles in business-friendly terms and language
- Conduct periodic user-access reviews and help ensure that SoD mitigations are effective on a regular basis
- Grant temporary superuser status with “firefighter” login IDs in a controlled, auditable environment



Real-time reporting for enterprise systems

Analyze single or cross-system user and role assignments

Gain insights using **interactive overview pages** and reports

Key benefits

Gain visibility into user access across heterogeneous applications

Drive business ownership of access risk with user-friendly reports in business terms

Reduce audit costs with predefined reports



SAP Cloud Identity Access Governance

Manage access risk with cloud applications

Streamline user access management in the cloud

- Access governance solution based on SAP Cloud Platform
- Intuitive user interface design on SAP Fiori user experience
- Instant visibility into access issues including access analysis, role design, access request, access certification*, and privilege access management*
- Support for cloud applications

Planned*



SAP Enterprise Threat Detection

Effectively identify and analyze threats

Identify security breaches in real time

- Perform real-time security monitoring of applications and events
- Find application-specific threats related to attacks by using attack detection patterns
- Analyze vast quantities of log data and correlate information to get a complete picture of landscape activities
- Conduct attack investigations based on generated alerts



For more information

Find detailed information:

www.sap.com/grc

www.sap.com/about/trust-center.html

Take a look at:

- Solution Brief [Cybersecurity and GRC Software | SAP](#)
- On Demand Sessions to understand GRC and Security within the context of SAP S/4HANA [On-Demand Sessions](#)
- In-depth Product Overviews with Use Cases and Demos [On-demand sessions](#)
- Our GRC Value Calculators that explore ROI [Value Calculator](#)
 - Available for SAP Access Control, SAP Process Control, SAP Risk Management, SAP Audit Management, and SAP Business Integrity Screening
- Multiple KuppingerCole Reports



Follow us on Twitter:

[#SAPGRC](#) and [#SAPFINANCE](#)

Governance, Risk, Compliance (GRC), and Cybersecurity

Reimagine risk and compliance with integrated, automated, and embedded solutions to protect your business



Thank you.

Ron Corsello – Director

oCFO Center of Excellence

Ron.corsello@sap.com