

SAP Governance, Risk, and Compliance (GRC) Solutions Road Map

April 2019

PUBLIC



Legal disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. 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 document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP's strategy and possible future developments, products, and 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 document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or noninfringement. This document is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP's willful misconduct 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.

For all recent and planned innovations, potential data protection and privacy features include simplified deletion of personal data, reporting of personal data to an identified data subject, restricted access to personal data, masking of personal data, read access logging to special categories of personal data, change logging of personal data, and consent management mechanisms.

About SAP road maps

Companies today are planning their digital journeys – transforming business models, reengineering business processes, and reimagining work.

SAP road maps highlight innovations that may help you plan and implement your digital journey. They span products relevant to lines of business in your industry and explain how our innovations may add value to your business.

In our road maps, you can learn about our innovations along four different timelines:

- 1. Recent innovations for our products that have been launched in the past weeks or months and can already be purchased
- 2. Planned innovations for our products that are intended to be launched in the short term or midterm
- 3. Product direction, providing a long-term perspective on high-level development plans for innovations for our solutions inspired by your requirements
- 4. Product vision, providing a high-level and long-term business perspective on innovations for our products

Table of contents

Overview

- Introduction
- Product description
- Product portfolio overview

Vision and direction

- Key trends, customer needs, and value proposition
- Portfolio areas of future investment

Innovations

- Recent innovations
- Planned innovations
- Product direction
- Product vision

Wrap-up

Overview



SAP governance, risk, and compliance (GRC) solutions Introduction

SAP GRC solutions help companies to streamline and automate risk management and compliance processes across the enterprise.

Tightly integrated into SAP and non-SAP processes, SAP GRC solutions and products help our customers worldwide to establish efficient, effective, and real-time GRC practices.

Integrated GRC product suite

- Document, manage, analyze, and report on all GRC activities in a central environment
- Scale the GRC system over time to keep up with the demand from your business
- Build on industry standards and best practices

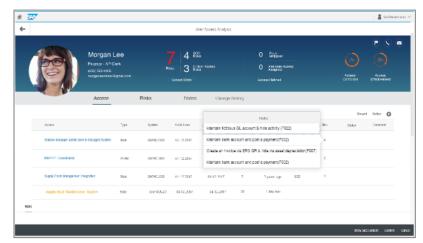
Embedded into SAP and integrates with other business applications

- Streamline and automate GRC workflows to avoid duplicate effort and reduce costs
- Connect GRC information with operational data to ensure information presented to stakeholders is up-to-date and relevant

State-of-the-art technology

- Leverages in-memory capabilities of SAP HANA for real-time detection and analytics
- Uses SAP Fiori to provide a seamless user experience across all devices

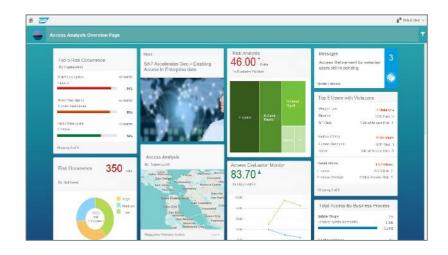


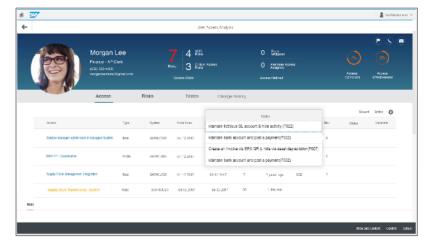


SAP GRC solutions



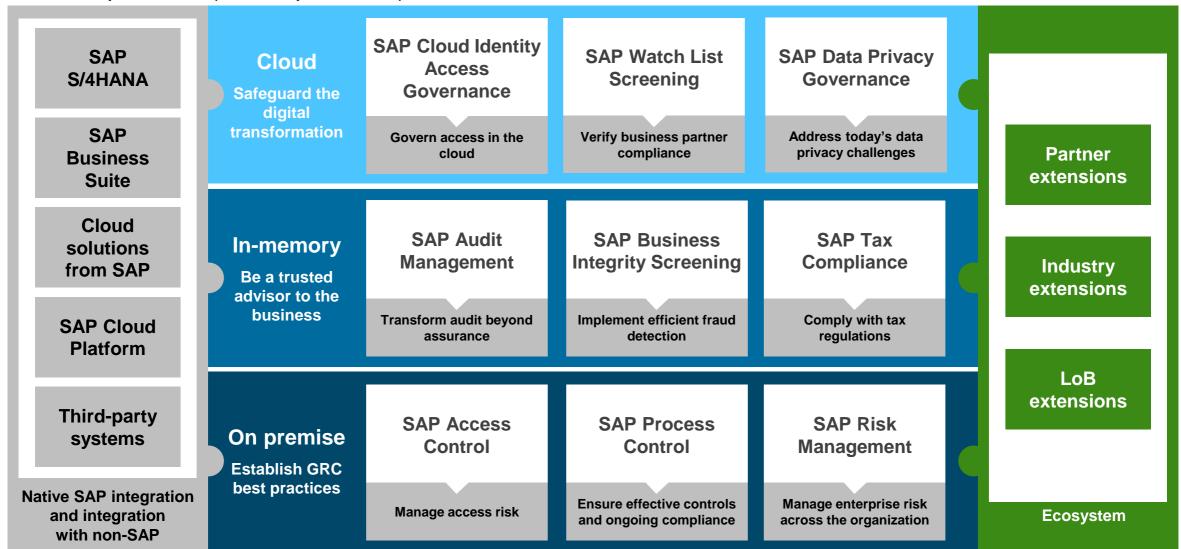
- Documentation: Central repository to document and manage all GRC activities across the organization
- Integration: Data integration of SAP and non-SAP systems that helps to automate GRC processes
- Reports and dashboards: Prebuilt reports and dashboards to help stay on top of GRC tasks and provide a consolidated view for GRC stakeholders
- Workflow: Streamlining GRC tasks, status follow-ups, and approvals
- Best practices: Continuous adoption of industry standards and best practices





SAP GRC solutions

Product portfolio (select products)



Vision and direction



SAP GRC solutions

Key trends, customer needs, and value proposition



Digital transformation

Assure compliance across on-premise, cloud, and hybrid landscapes

SAP GRC solutions help to safeguard on-premise, cloud, and hybrid landscapes.



New business models

Safeguard profitability and growth without compromising on compliance

SAP GRC solutions help to adapt existing processes and procedures without compromising on compliance.



Regulatory requirements

Deal with increasing amount and complexity of regulations to be followed

SAP GRC solutions help to streamline compliance processes and address regulatory requirements.



Economic and political uncertainty

Mitigate external and strategic risk

SAP GRC solutions help to add risk and compliance information to improve strategic decisions.

SAP GRC solutions

Product or portfolio areas of future investment

User experience

Across all devices



Support for GRC experts and the business

Consumption

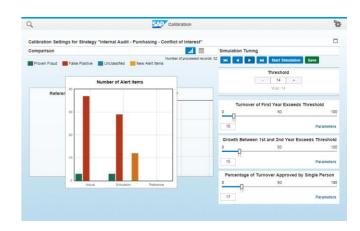
Cloud or on premise



- Solutions and products built for the cloud and on premise
- Solutions and products built to "manage" the cloud

Embedded compliance

Business processes integration



 Tightly integrated into processes and business networks

Innovations



SAP GRC solutions – on-premise

Product road map overview – Key innovations

Recent innovations

SAP Access Control

 Increased system landscape security as SAP Access Control can monitor SAP S/4HANA

SAP Process Control

 Reduced compliance cost through optimized issue follow-up in continuous control monitoring

SAP Risk Management

 Improved insight into enterprise risk through extended risk aggregation algorithms

SAP Audit Management

 Avoid double efforts in an audit through improved search (on past audits)

SAP Tax Compliance

 Cut audit costs through embedded documentation of identified tax issues and their remediation

2019 - Planned innovations¹

SAP Access Control

- Increased system landscape security through extended access governance support for SAP Ariba and SAP Fieldglass solutions, SAP S/4HANA Cloud
- Streamlined compliance process through business role integration with SAP Identity Management

SAP Risk Management

 Reduced risk management cost and foster collaboration through optimized planning and execution of risk workshops

SAP Audit Management

 Increase confidence in audit results through added quality and consistency checks

2020 - Product direction¹

SAP Access Control

 Increased system landscape security through extended access governance support for SAP Concur solutions, SAP Cloud for Customer

SAP Process Control

- Reduce risk of noncompliance through extended support for SAP S/4HANA control monitoring
- Streamline compliance processes through added customization options on control assessment and test workflows

SAP Audit Management

 Reduced compliance cost through improved integration between risk management, process control, and audit management according to three lines of defense model

2021 – Product vision¹

SAP Access Control

 Reduced risk of noncompliance through added support for system cross-domain identity management (SCIM)-based external applications through SAP Cloud Identity Access Governance

SAP Process Control

 Reduced compliance cost through machine-aided scoping and control evaluations

SAP Audit Management

 Reduced audit cost through enhanced resource management capabilities during the end-to-end audit process

^{1.} This is the current state of planning and may be changed by SAP at any time without notice.



SAP Access Control

Extended system landscape coverage and SAP Identity Management Integration



Description

Extended access governance

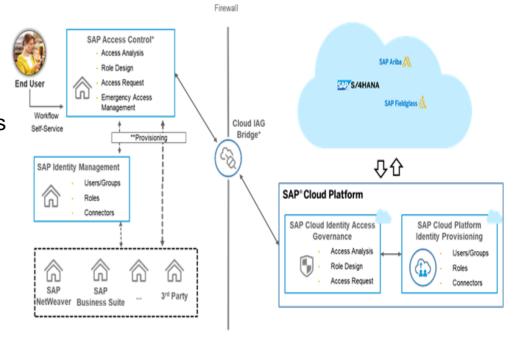
- Support SAP Cloud Solutions SAP Ariba*, SAP Fieldglass*, and SAP S/4HANA Cloud*
- User provisioning, Risk Analysis and Role Management

Integration into SAP Identity Management

Business role management integration



- Reduced compliance risk
- Lower administration cost with automated governance process
- Increase accuracy for user and role assignment



^{*} With SAP Cloud Identity Access Governance integration



SAP Risk ManagementSupport for Risk Workshops



Description

Complete risk evaluation in collaborative way

- Optimize Risk Workshop planning procedure
- Involves Risk Experts from different lines of Business
- Easy organize and execute Risk Workshop between different stack holders
- Quick summary Risk Workshop results



- Reduce risk management cost
- Easy communication between different line of business
- Foster collaboration risk evaluation within Risk Experts group





SAP Audit Management

Enhanced quality and consistency checks



Quality Check for Audit Engagement and Follow-up

- Working paper quality Check
- Finding quality check
- Action plan quality check

Automatic Documentation

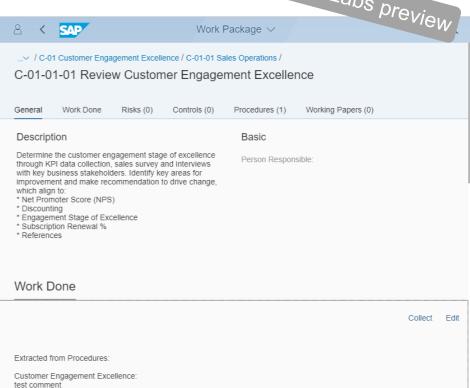
- Extract work done from performed audit procedures
- Reference working paper in documentation



Benefits

- Reduce manual effort for documentation when performing audits
- More efficient communication between auditors and audit leads
- Increase confidence of audit results through configurable checks





© 2019 SAP SE or an SAP affiliate company. All rights reserved. I PUBLIC

Risks (0)

Planned innovations

SAP Business Integrity Screening

Productivity Improvements



Description

Improve Screening Performance

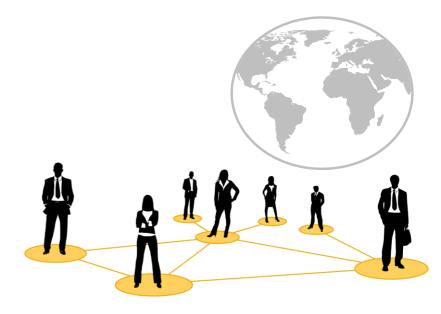
 Inversion of screening order for faster screening of Business Partners in any kind of lists

Improved User Interfaces

- Optimized Manage Alerts Fiori app
- New Dashboard



- Enable ultra large screening scenarios (100+Mio Business Partners)
- Significant reduction of screening runtime
- Cost reduction due to reduced hardware sizing requirements
- Improved end user productivity in Manage Alert App due to optimized FIORI UIs with better transparency of information with and with less clicks
- New Overview Page usable as operative dashboard with additional KPIs and highlighted overdue actions



SAP Tax Compliance

More Integration and Extended Documentation and Reporting Capabilities



Description

Enhanced Documentation

 Storage of any kind of attachments on hit, check and run level for better documentation of decisions and mitigations

Improved Reporting

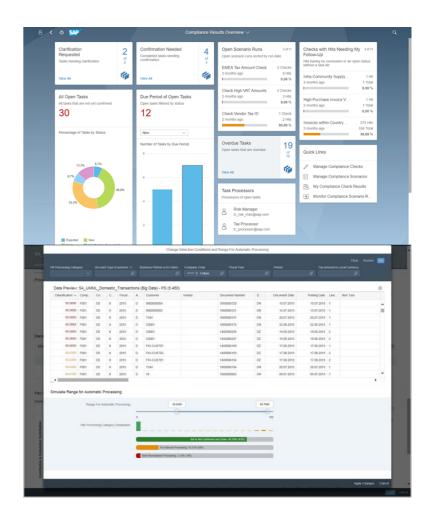
 Closing reasons on hit level to enable automated reporting/analysis and classification of hits

Integration with Advanced Compliance Reporting

Direct access to open hits



- Extended and more comprehensive documentation about remediation simplifies internal and external audits
- Better classification and reporting of hits for better improvements of processes and data quality
- Simplification of tax declarations in Advanced Compliance Reporting thru direct access to status of hits in Tax Compliance



Product direction

SAP Access Control

Additional application connectivity



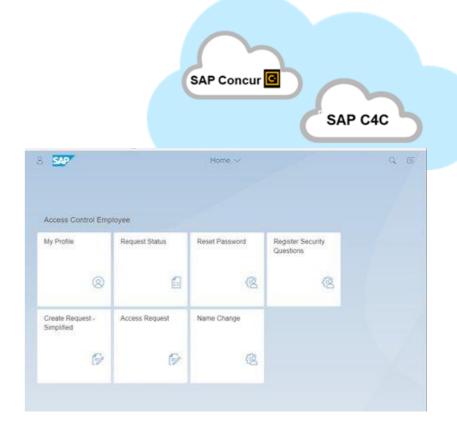
Description

Support for Concur* and Cloud for Customer*

 Centralized access governance capabilities extended for new business processes



- Improve security and reduce risk
- Reduce administration cost by eliminating manual tasks.
- Increase transparency and visibility into user, role assignment



^{*} With SAP Cloud Identity Access Governance integration



SAP Process Control

S/4HANA Control Monitoring and additional customizing on control assessment and test



Description

Continuous Control Monitoring in S/4 Cloud

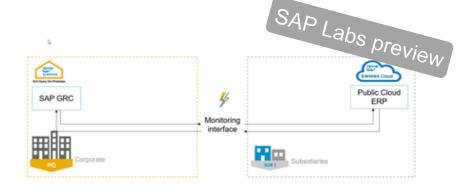
- Integrated with different lines of business
- Consume more business content from S/4
- Early alter based on business content change

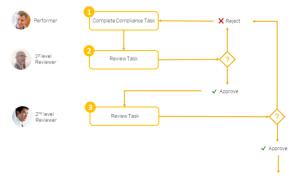
More flexibility in evaluation flow

Multiple lines of review in testing and assessment flow



- Speedup compliance procedure by monitoring the business data
- Quick feedback to business with compliance monitoring results
- Involve more stakeholders for evaluation activities







SAP Audit Management

Extended support for Three Lines of Defense scenario



Description

Audit Sampling using CCM Procedures

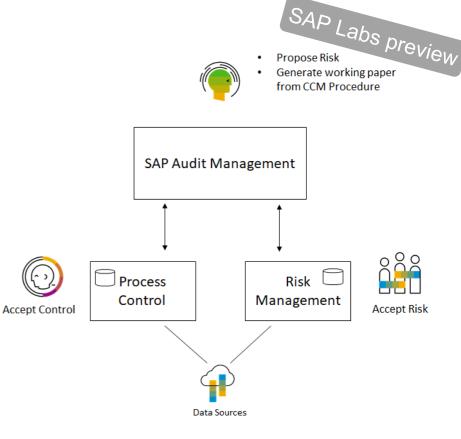
- Leverage Process Control CCM feature to access different data sources for getting sampling data from ERP system
- Generate working paper automatically using the sampling data

Enhanced Integration with PC/RM

- Propose Control
- Get feedback from compliance team



- Reduce effort of collecting data and working papers when performing audits
- Lower TCO by reusing data source between audit and compliance team
- Better and closer collaboration between assurance providers



SAP Access Control

Standards based application connectivity



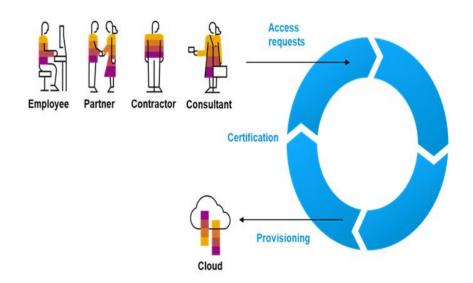
Description

Standards based integration

- Compatible with any SCIM (System Cross-domain Identity Management)* application
- Industry standard for cloud applications



- Extend access governance capabilities faster and easier to cloud applications
- Deliver consistent compliance and governance across a broad number of enterprise applications



^{*} With SAP Cloud Identity Access Governance integration

SAP Process Control

Machine Aided Scoping



Description

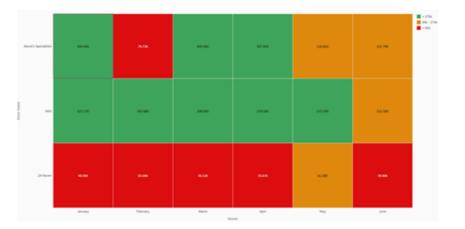
Compliance Scope definition in intelligent way

- Based on the compliance risk information history
- Based on internal external audit results
- Based on risk analysis and compliance status within enterprise
- Consider the entire compliance environment
- Propose compliance scope for review and change



- Save compliance cost with automated scoping procedure
- Focus compliance efforts in critical area to prevent risk
- Find high possibility risk in early stage





SAP Audit Management

Enhanced Resource Management



Description

Enhanced resource management capabilities

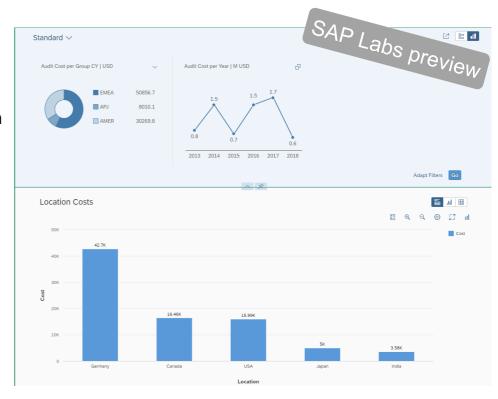
- Break down audit plan
- Audit plan work flow enhancement
- Audit plan overview page
- Define assignment period for auditors

Audit Analytics

- Audit Cost Analysis
- Audit Engagement Quality Analysis
- Follow-up track



- Provide the flexibility to do audit planning by audit groups
- Keeps an overview for the audit plan of the whole company
- Better insights to audit quality and cost through audit analytics



SAP GRC solutions – cloud

Product road map overview – Key innovations

V1902 - Recent innovations

SAP Cloud Identity Access Governance

 End-to-end cloud-based access governance solution

SAP Watch List Screening

 End-to-end cloud-based business partner screening service for SAP S/4HANA Cloud

SAP Data Privacy Governance

- Cloud-based application built to support the fulfillment of (legal) data privacy requirements
- Streamline compliance efforts through centralized process repositories and risk assessments
- Reduced compliance cost through automated privacy control monitoring framework

V1905 - Planned Q2/20191

SAP Cloud Identity Access Governance

 Reduced cost of compliance by providing a single point of entry for employees and managers to request access for SAP Cloud Platform

V1908 - Planned Q3/20191

SAP Cloud Identity Access Governance

- Ensure regulatory compliance with Sarbanes-Oxley requirements through periodic review of user access
- Seamless user and authorization management along the hire-to-retire business process
- Reduced compliance cost through added user and authorizations support for SAP Analytics Cloud and SAP Concur solutions

SAP Data Privacy Governance

 Reduced risk of noncompliance: Automatically evaluate records of processing, data protection impact assessments and security business impact analysis

V1911 – Planned Q4/2019¹

- SAP Cloud Identity Access Governance
- Lower TCO and increase compliance through optimization of SAP S/4HANA business roles
- Improved insights on access security risks across the enterprise (with SAP Analytics Cloud)

SAP Watch List Screening

 Ensure regulatory compliance sanctioned party list screening for U.S.-based customers

SAP Data Privacy Governance

- EU GDPR: Generate statistics for automatic record of processing activities, legally required by GDPR (Art. 30)
- Controls framework for DPP risk detection

^{1.} This is the current state of planning and may be changed by SAP at any time without notice.

SAP Cloud Identity Access Governance

Access Certification and support for SAP Cloud Platform services



Description

Extend Access Analysis and Access Request

- Support for SAP Cloud Platform services
- Cross system risk analysis
- Self-service and automated user provisioning

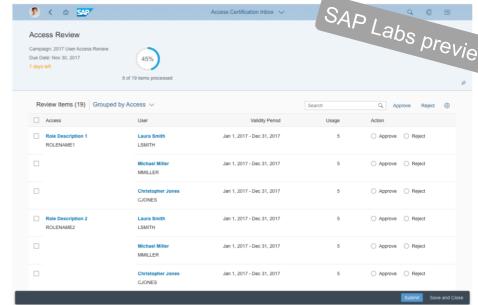
Access certification

- Streamlined access review processes and status tracking
- Simplified campaign administration



- Consistent compliance and governance for both delivered and custom cloud application services
- Improve security and minimize incorrect assignments
- Reduce time and effort required to run periodic access reviews





SAP Cloud Identity Access Governance

Automated Identity lifecycle management, and SAP Analytics Cloud support



Description

Extended support for SAP Analytics Cloud

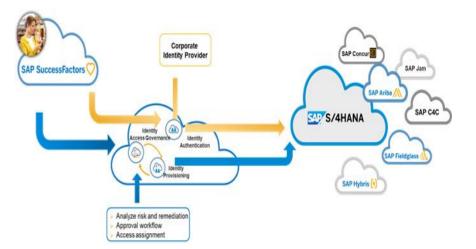
- Access governance and compliance
- Centralized business role management

Identity Lifecycle Management

- Integrated feed from SuccessFactors
- Automated rule-based access request
- Policy based assignments



- Reduce cost and improve security
- Enables the business to automate and manage access
- Streamline and improve the accuracy of role assignments



SAP Data Privacy Governance

Automatic risk evaluation for ROPA, DPIA and SBIA



Evaluation Engine

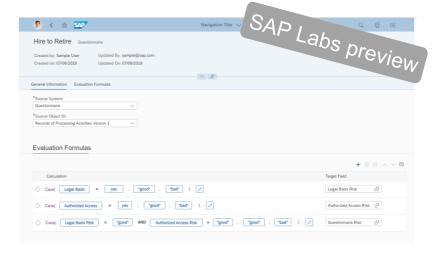
 Flexible definition of evaluation formulas

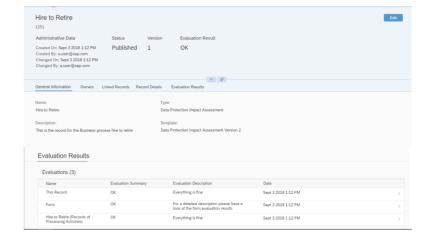
Show Detailed Evaluation Result

- Record of Processing Activities
- Data Protection Impact Assessment
- Security Business Impact Analysis



- Record of Processing Activities and Data Protection Impact Assessment are legal requirements of EU General Data Protection Regulation
- Security Business Impact Analysis is the foundation of a Security Risk Framework
- Solution allows automatic evaluation of all entries based on standardized flexible rules





SAP Cloud Identity Access Governance

Flexible reporting and S/4HANA business role optimization



Description

Role optimization for SAP S/4 HANA

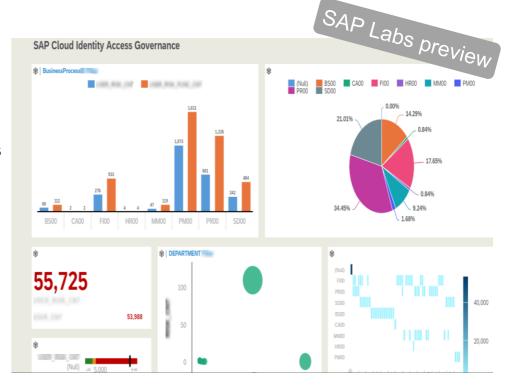
- Develop business-oriented roles, based on S/4HANA technical entitlements
- Align business process functions with role definitions

Improved insight on access security risks

- Customized reports and dashboards based on governance data
- Exception based reporting to more easily optimize processes and identify anomalies
- Track trends, risks and SLA



- Simplify role administration and design
- Better visibility into assignments and activities in your business applications



SAP Watch List Screening

Reduced Manual Efforts and more screening scenarios, Screening for US-based customers



Description

Intelligent Screening

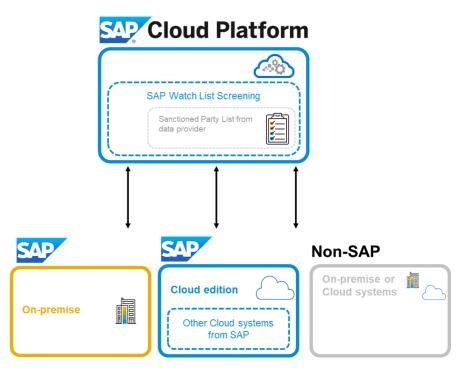
 Identification and automatic closure of previously manually decided hits

Additional Lists and additional List Providers

- Enabling multiple list (eg. sanction and PEP
- Enabling multiple list providers



- Reduction of manual decisions due to automatic closure previously detected matches
- Support of more refined screening scenarios due to multiple lists beyond sanctioned party list
- Free choice of content providers



SAP Data Privacy Governance

Statistics for automatic record of processing activities & Controls Framework



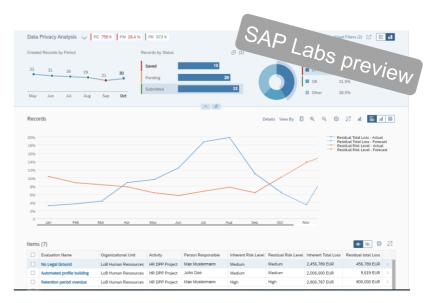
Description

Analyze person related data in S/4 Hana

- Analyze S/4 database for person related data
- Generate statistics
- Correlate with Record of Processing Activities
- Controls framework for DPP risk detection



- Get a quick overview where person related data is stored in the system
- Correlate this data with legal ground for processing and retention period
- Assist the DPO in establishing a compliance framework



Wrap-up



Key points to take home

1 Support of hybrid landscapes

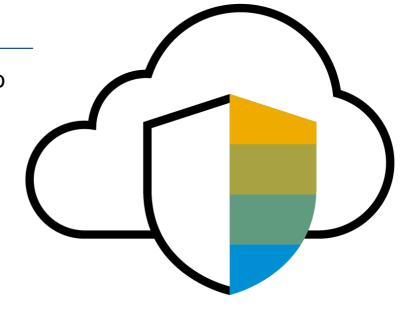
Existing GRC On-Premise applications planned to cover hybrid landscapes and applications and support customers through their digital transformation

2 Cloud-based GRC services

Additional cloud-based SAP GRC services and applications planned to complement on-premise offering and support new customer business models

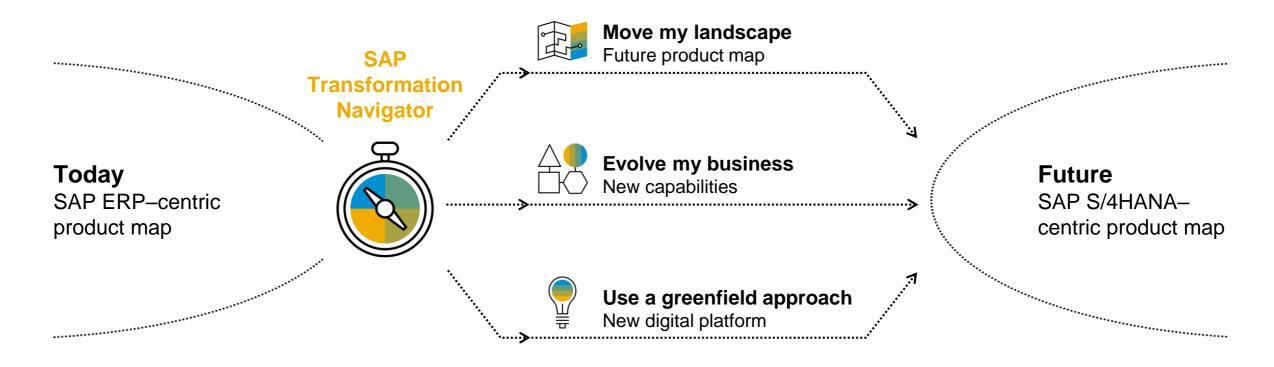
3 GRC API Hub

GRC API Hub planned to become future basis for partner and custom application on SAP Cloud Platform to react faster on regulatory changes



SAP Transformation Navigator

Supporting your digital transformation



SAP Transformation Navigator provides you with clear guidance to chart the Intelligent Enterprise:

- Based on your currently used products, this free self-service produces an individualized report highlighting business value, detailing integration to SAP S/4HANA and other cloud products, and explaining transformation services and license information.
- With the new time-slider feature, you can even identify the best point in time to engage in your journey to becoming an intelligent enterprise.
- Discover the tool and your transformation path at https://support.sap.com/stn.

Related road maps

For in-depth information and road map updates for specific SAP governance, risk, and compliance (GRC) solutions, please review the following related road maps.

Related product road maps available on sap.com/roadmaps:

- SAP Access Control
- SAP Global Trade Services and SAP S/4HANA for International Trade





Learn moreSAP customers and partners

- SAP Road Maps
- SAP Community
- ► IT Planning Resources
- Innovation Discovery
- SAP Transformation Navigator
- SAP User Groups
- SAP GRC Solutions



Thank you.



Follow us









www.sap.com/contactsap

Studio SAP | 57823enUS (19/04)

© 2019 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. 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, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See www.sap.com/copyright for additional trademark information and notices.

