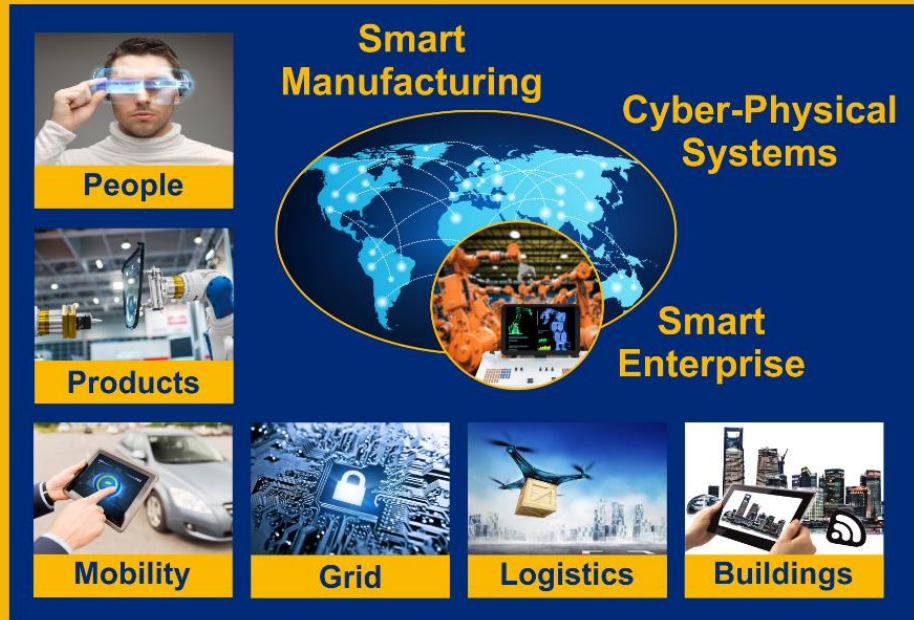


Internet of Services



Industrial Internet of Things

Stop thinking about Identity Management

Bo Baade-Pedersen
Center of Excellence SAP IDM
Armand Lemmens
Manager Enterprise Security

Who is presenting



Armand Lemmens
Manager ATS Enterprise Security
Managing consultant

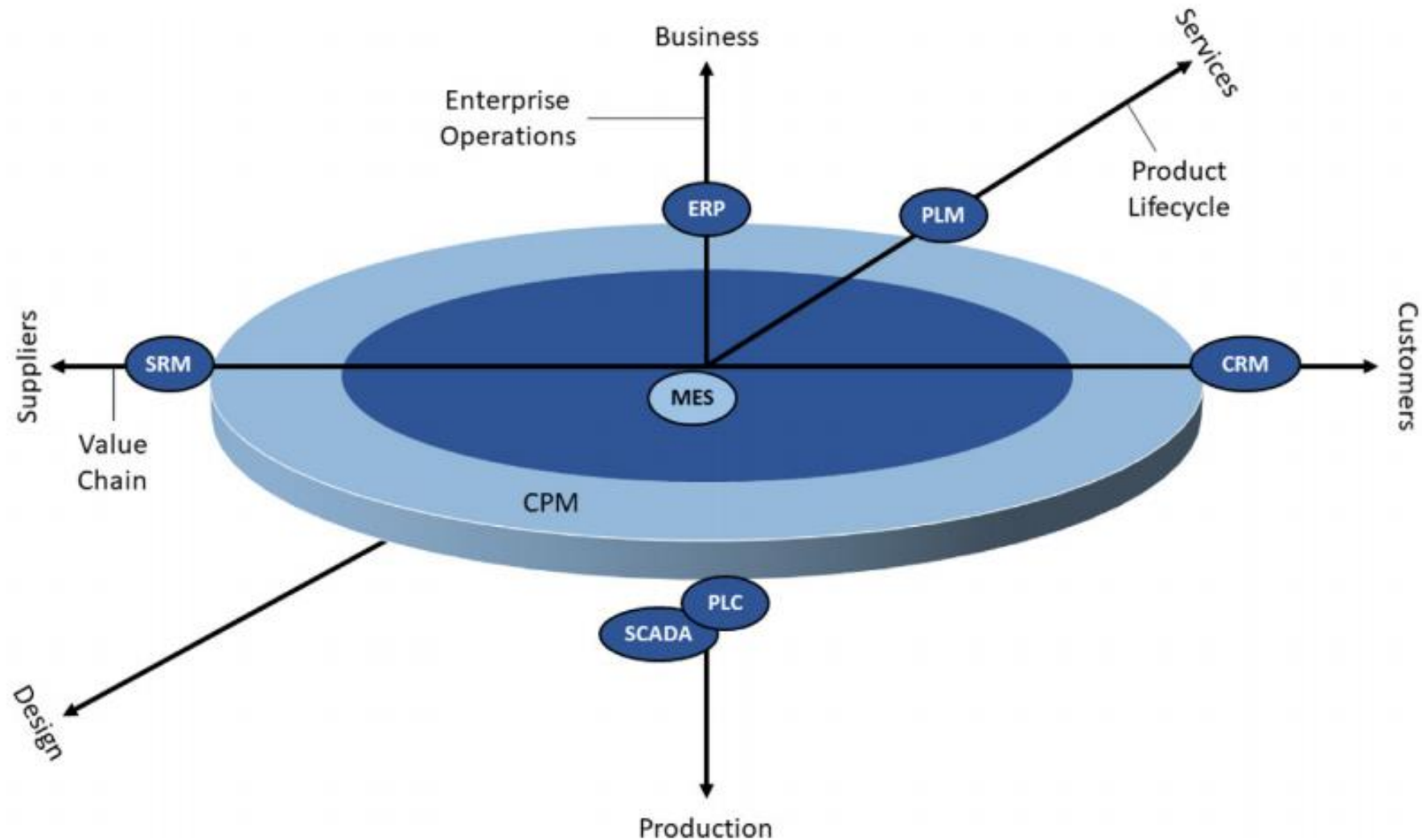


Bo Baade-Pedersen
Senior Specialist SAP COE

Agenda

1. ATS Global & SAP
 - A short introduction
2. Market developments
 - Smart technologies
 - IDM at the foundation – Strategic trends 2021
 - The future of IDM
3. SAP outlook on Identity Management
4. Unburden Security with Managed Services
5. More than just support: IDM services & solutions

ATS Global & SAP - The IT & OT Convergence



Market developments - Smart Technologies



**Control
Technology**



**SCADA and
HMI**



**ERP
Integration**



**Machine-
Machine Comm.
(M2M)**



**Industrial
Robotics**



**Industrial IOT
and Services**



**Small / Big Data
and Cloud**



**5G Technologies
& Networks**



**Artificial
Intelligence**



**Cyber Security &
Cyber Physical**



**CAD/ CAM
Engineering**



**Analysis &
Simulations**



**Additive
Manufacturing**



**Digital Twin-
Products &
Process**



**Product Location
& Identification**

IDM at the foundation










Gartner Top Strategic Technology Trends for 2021

This year's trends fall under three themes:

People centricity: People are still at the center of all business. And they need digitalized processes to function in today's environment.

Location independence: Location independence requires a technology shift to support this new version of business.

Resilient delivery: Organizations that are prepared to pivot and adapt will weather all types of disruptions.

People centricity	Location independence	Resilient delivery
 Internet of Behaviors	 Distributed cloud	 Intelligent composable business
 Total experience strategy	 Anywhere operations	 AI engineering
 Privacy-enhancing computing	 Cybersecurity mesh	 Hyperautomation

The future of IDM



Monitor Threat Landscape

Identify anomalous activity at the application layer as an indicator of potential cyber crime



Access Analysis

Detect and remediate segregation of duties and critical access risks



Single Sign-On

Authenticate users and enable a secure, seamless experience



Access Governance



Role Design

Define and maintain compliant roles in business-friendly terms and language



Privileged Access

Centrally manage critical or temporary access



Identity Lifecycle

Automate user provisioning across landscapes in a compliant manner



Bo Baade-Pedersen
Senior Specialist SAP COE



SAP IDENTITY MANAGEMENT

Overview

SAP SE
2021

PUBLIC

AGENDA

SAP Identity Management

- Solution Overview
- Recent enhancements

SAP IDM Customer Connection

- Outlook 2021

Additional information

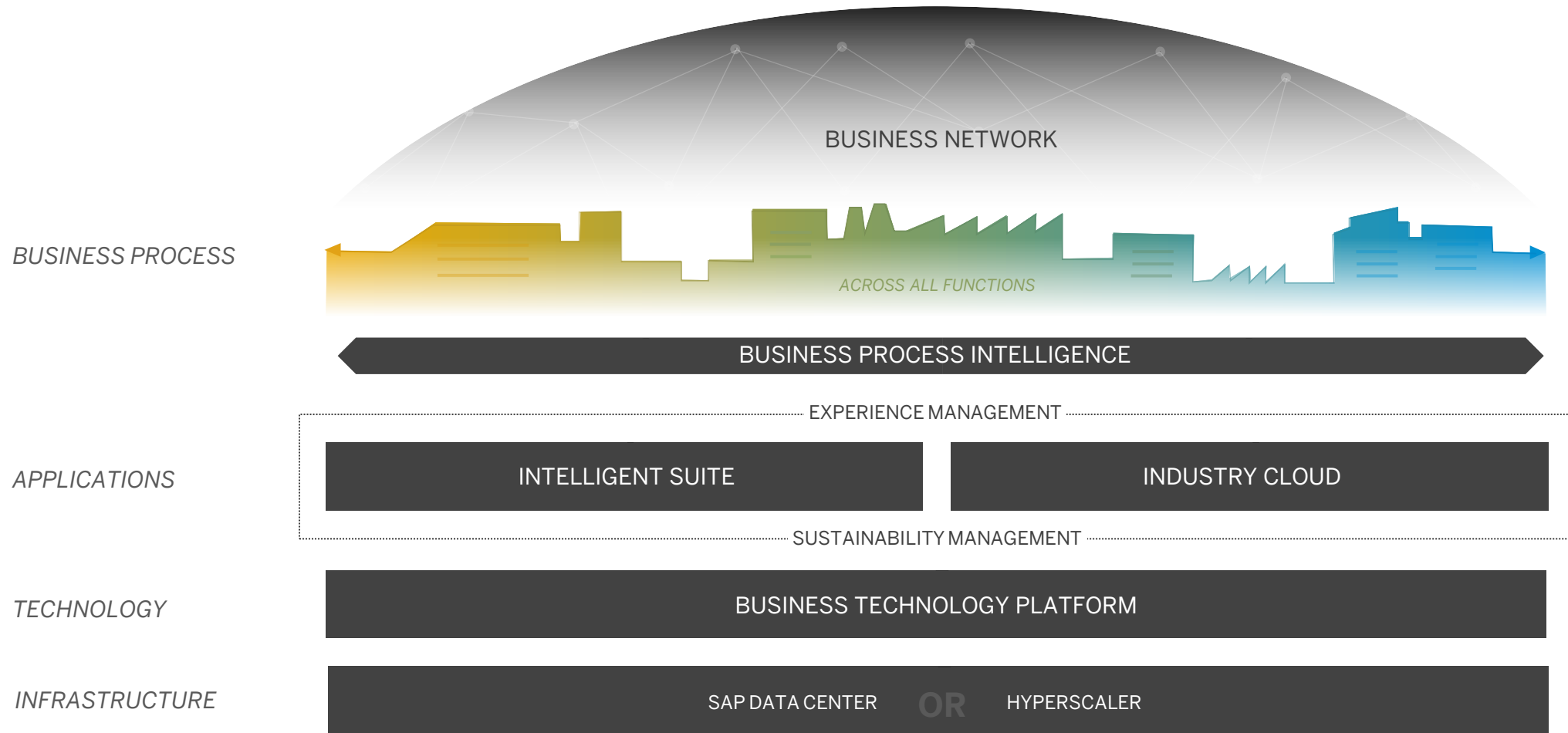
- Communities, documentation and blogs

Solution overview – SAP IDM



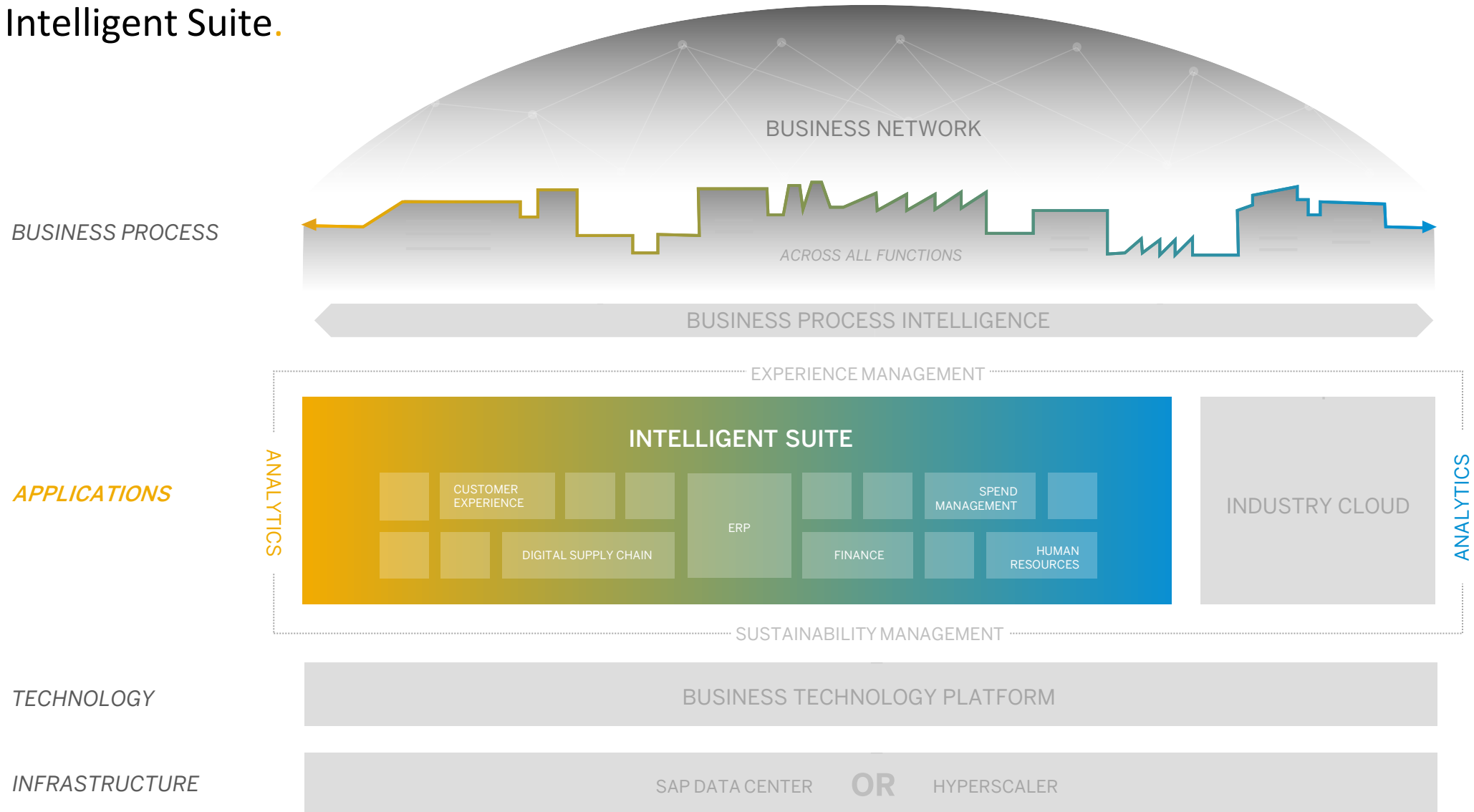
INTELLIGENT ENTERPRISE

Evolved Vision.



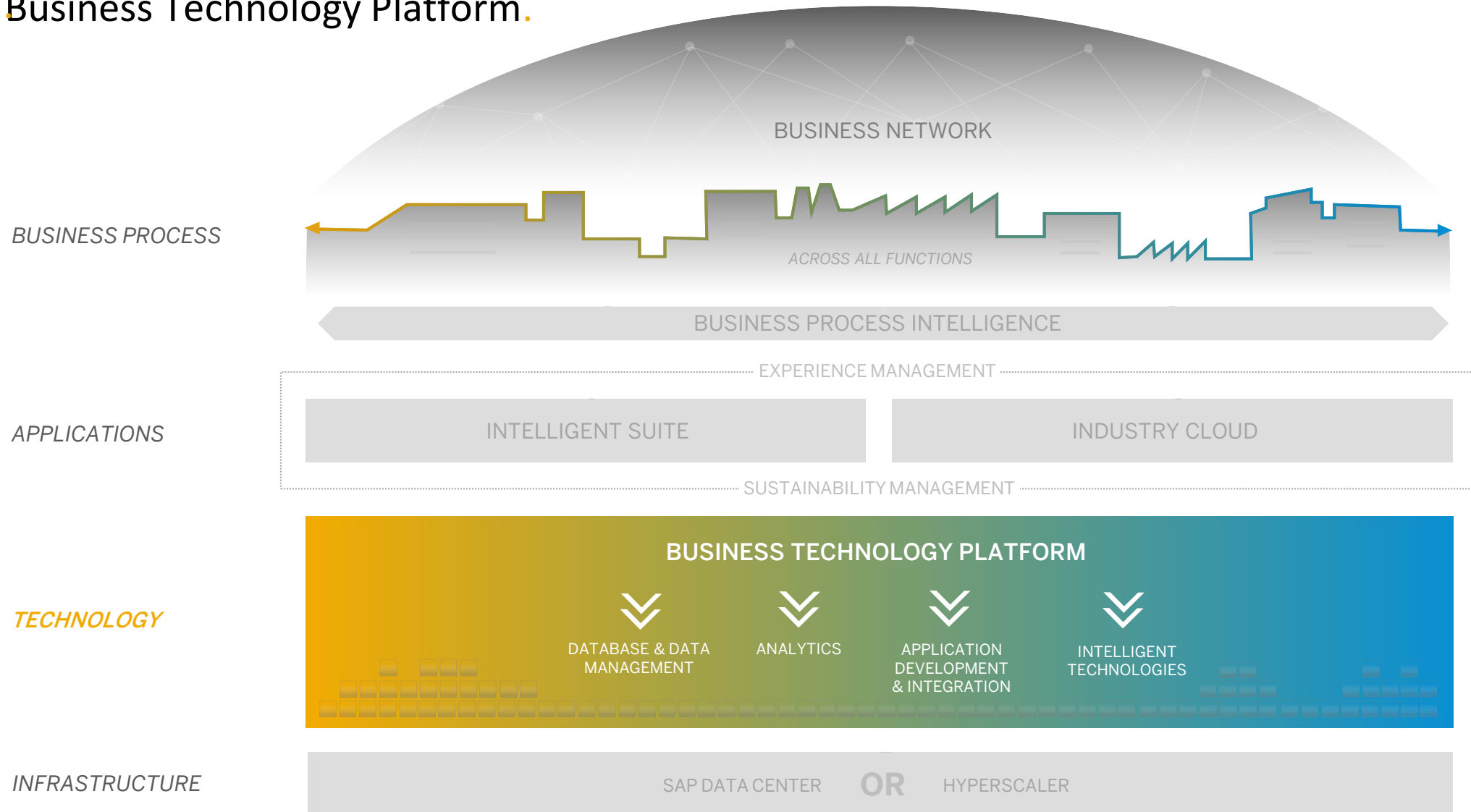
KEY ELEMENT

Intelligent Suite.



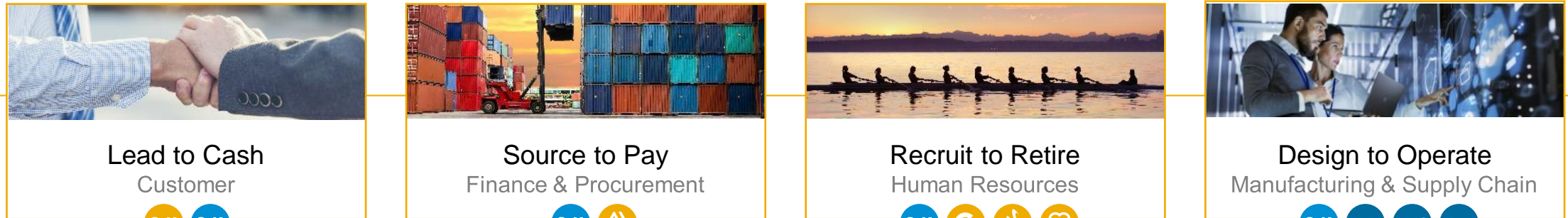
KEY ELEMENT

Business Technology Platform.



SUITE QUALITIES OF THE INTELLIGENT ENTERPRISE

Security and identity management



Business Applications

SUITE QUALITIES

Seamless user experience



Harmonized look & feel and navigation patterns

One workflow inbox



Central task management

End-to-end process blueprints



Implementable reference architectures

Aligned domain models



Aligned business objects across applications

Consistent security & identity mgmt



Central identity provisioning & authentication

Coordinated lifecycle mgmt



Harmonized provisioning setup & operations

Embedded & cross-product analytics



Holistic 360° business and customer view

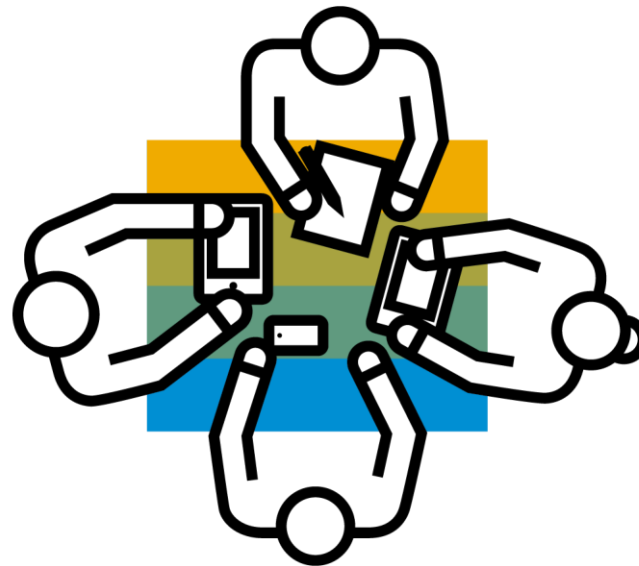
Business Technology Platform

KEY CAPABILITIES

Enables the
efficient,
secure, and
compliant
execution of
business
processes

Consistent user
roles and
privileges

Powerful and
customizable
feature sets



Holistic approach

Ensures that the right
users have the right
access to the right
systems at the
right **time**

Across
all systems
and applications

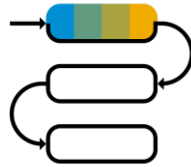
BUSINESS DRIVERS FOR IDENTITY MANAGEMENT

OPERATIONAL COSTS



Multiple sources of identity data
Manual user provisioning
Labor-intensive, paper-based approval systems
Manual password reset processes

CHANGING BUSINESS PROCESSES



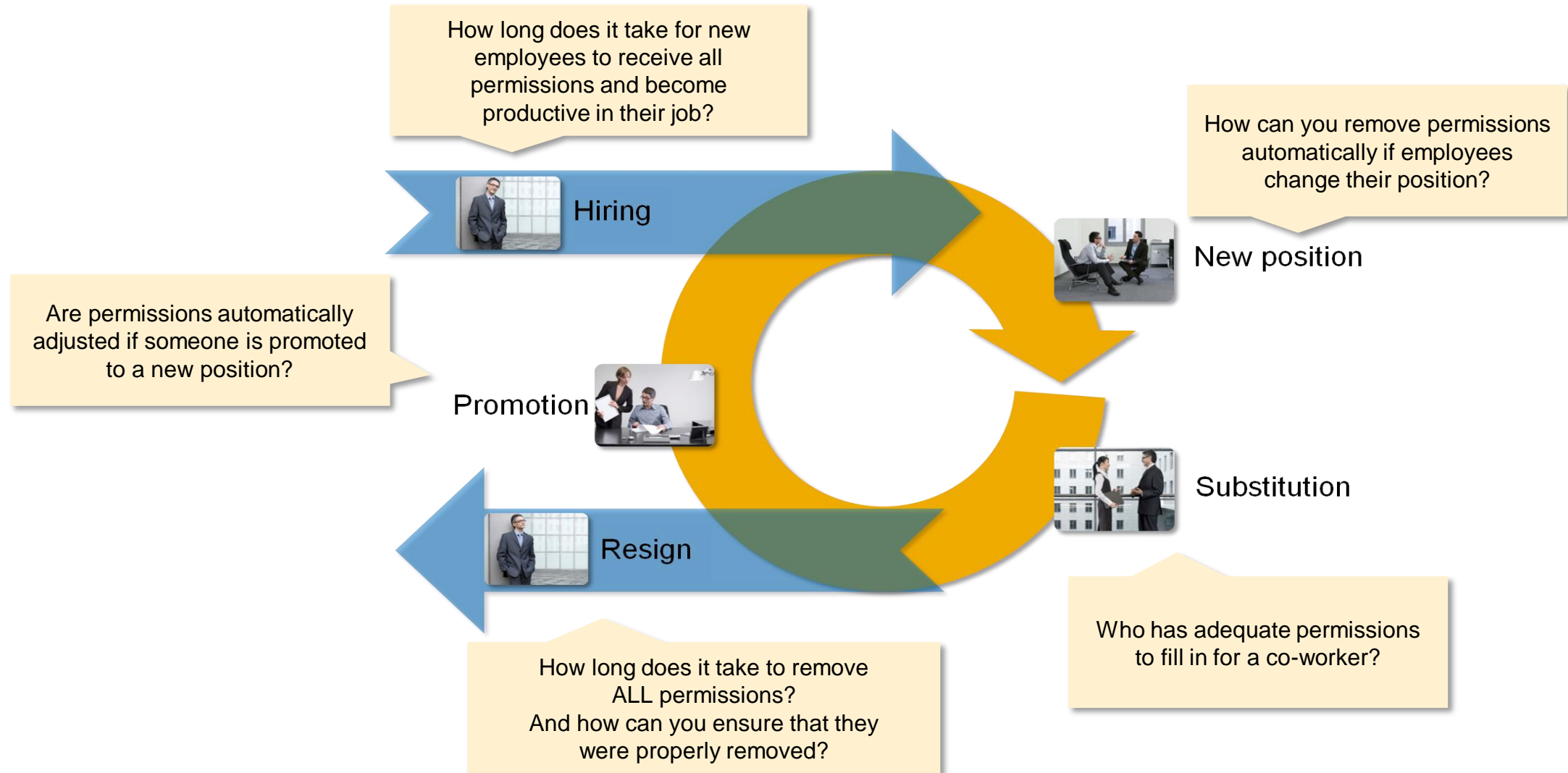
Transactions involve multiple enterprises
Partners participate in business processes
Company-specific requirements for user provisioning solutions

COMPLIANCE CHALLENGES



No record of who has access to which IT resources
Inability to deprovision user access rights upon termination
No complete audit trail available
Prevention of unauthorized access in multi-enterprise environments

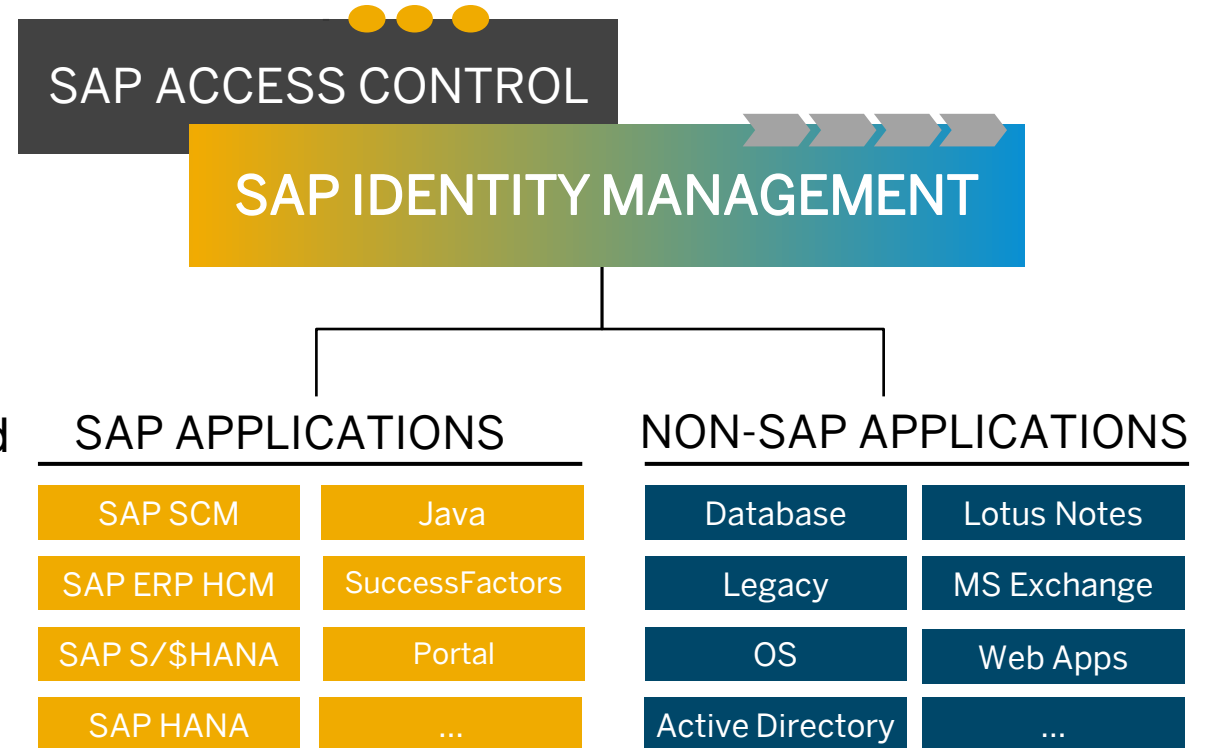
MANAGING THE IDENTITY LIFECYCLE



SOLUTION IN A NUTSHELL

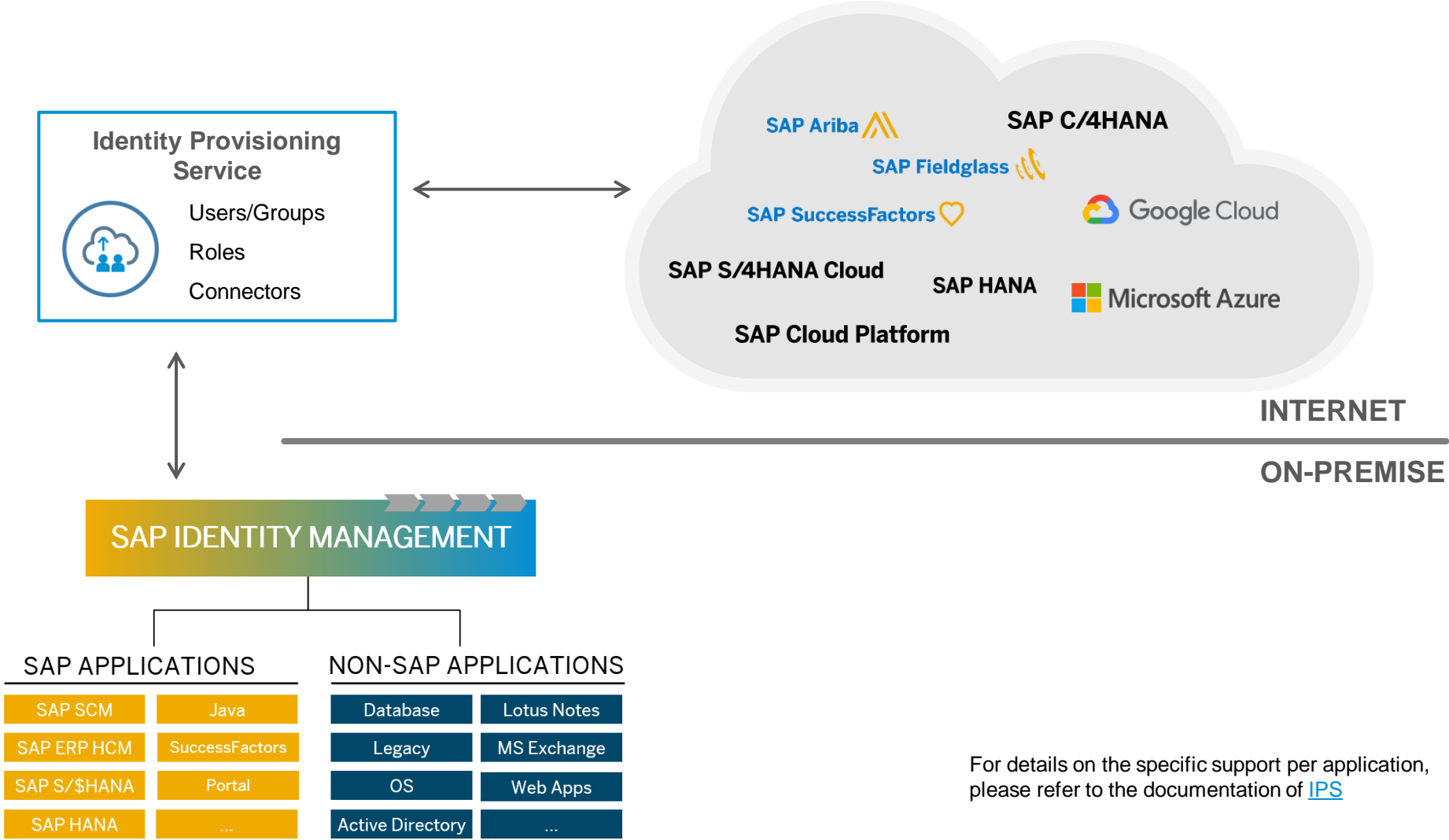
On-premise Scenario

- Central management of identities throughout the on-premise system landscape
- Rule-driven workflow and approval processes
- Extensive audit trail, logging, and reporting capabilities
- Improved governance through centralized and auditable identity data
- Integration with SAP Access Control for sophisticated segregation-of-duties risk mitigation



SOLUTION IN A NUTSHELL

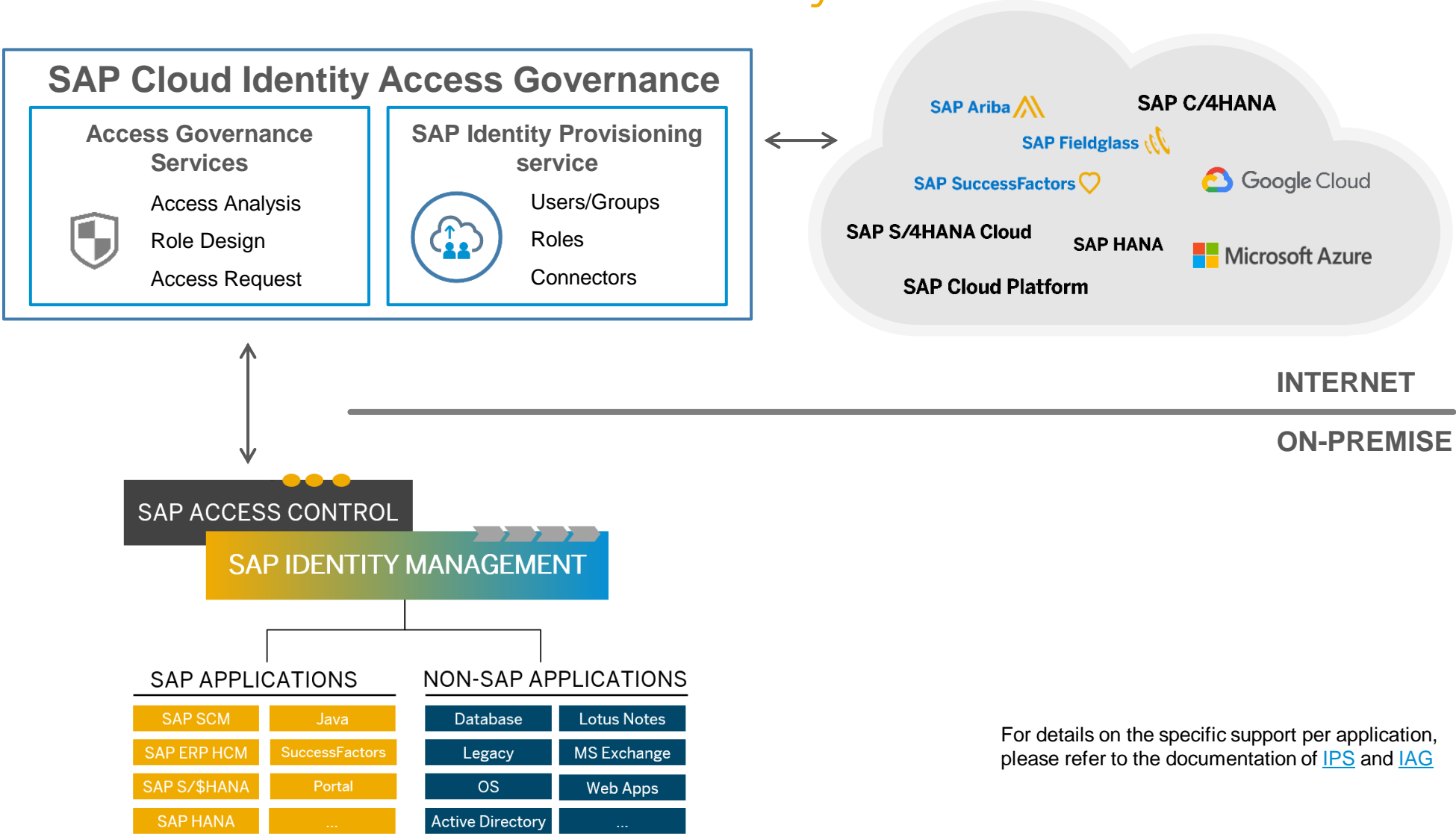
Hybrid Scenario



For details on the specific support per application, please refer to the documentation of [IPS](#)

SOLUTION IN A NUTSHELL

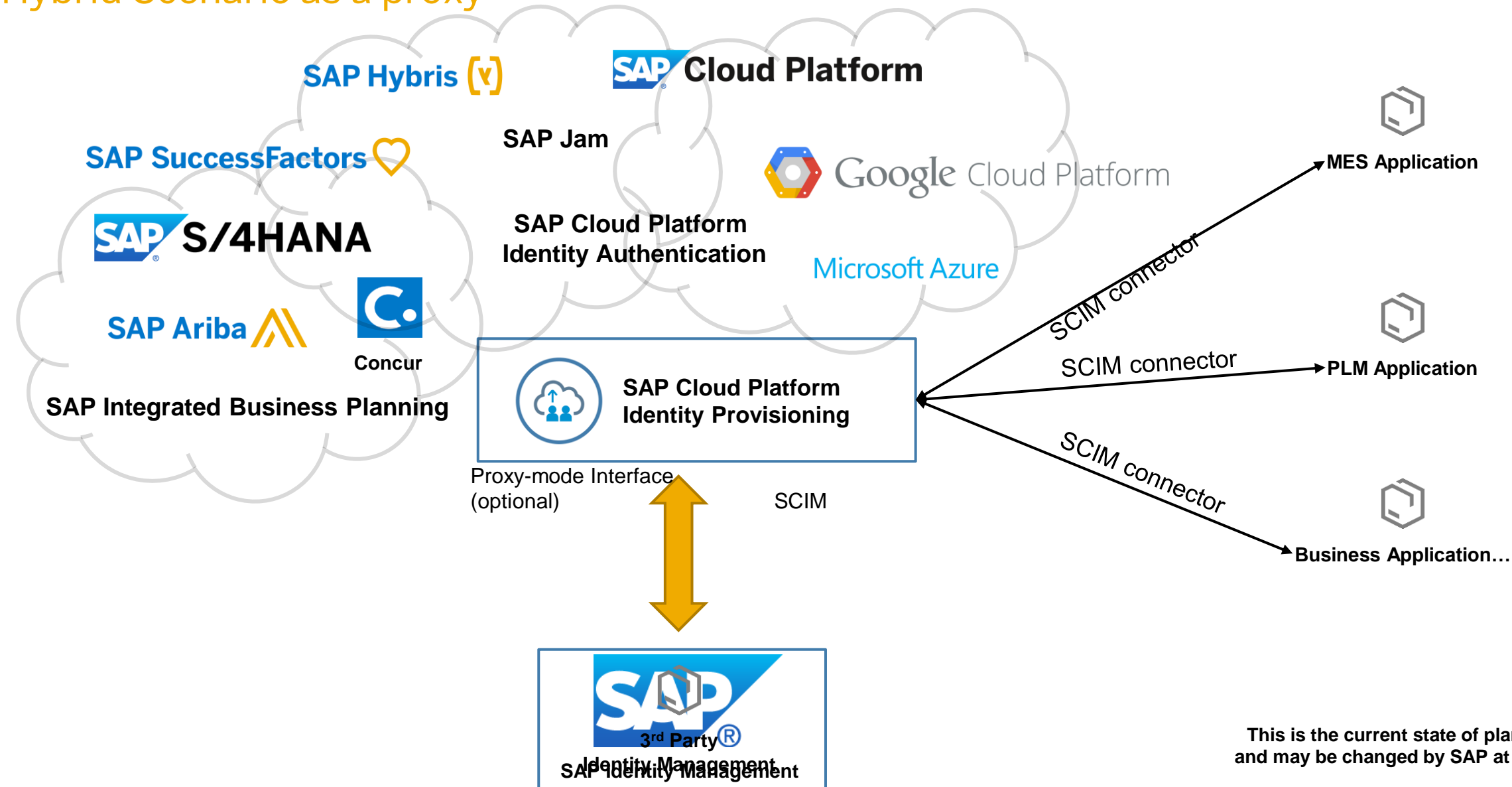
Hybrid Scenario with SAP Access Control and Identity Access Governance



For details on the specific support per application, please refer to the documentation of [IPS](#) and [IAG](#)

SOLUTION IN A NUTSHELL

Hybrid Scenario as a proxy



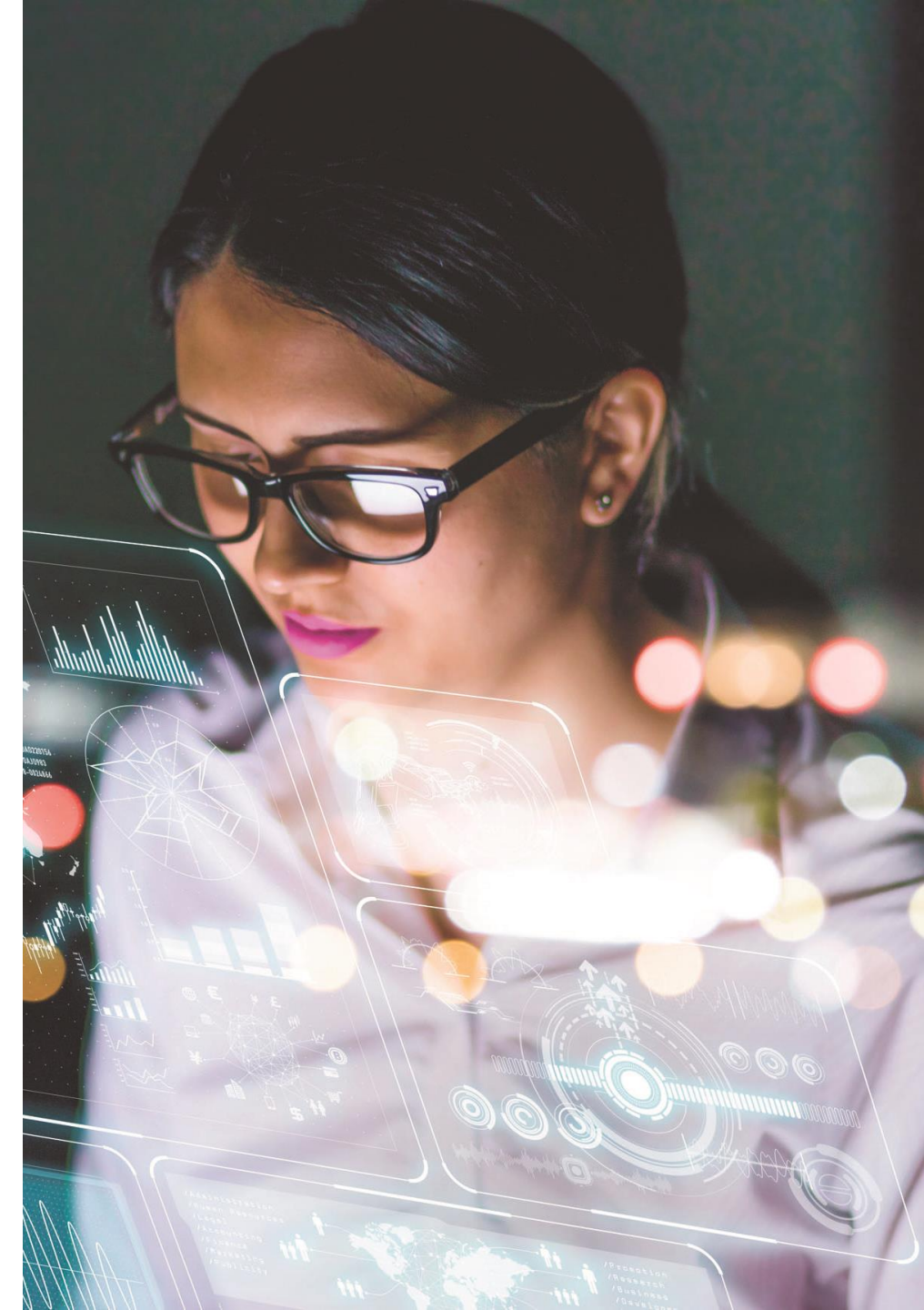
SAP IDENTITY MANAGEMENT 8.0 SP08

Delivering customer-focused improvements based on the SAP IDM Customer Connection 2020

- Native SAP S/4HANA connector
- Update of Java script engine
- Improved search functionality
- Improved handling of historical values
- Enhancements for package handling and testing


More information

- [SAP Identity Management 8.0 SP08 Release Note](#)
- [SAP Community blog](#)
- [SAP S/4HANA connector](#)



What's New in SAP Identity Management 8.0 (Release Notes)

This document ▾



Advanced Search ▾

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[< Previous](#)

SAP Identity Management Improvements ☆



The new SAP S/4HANA connector is introduced along with the following improvements and enhancements. They are initiated by improvement requests submitted within the SAP Customer Connection program.























Improvement Request ID	Title	SAP Note
D243967 	Native S/4 HANA connector	SAP S/4HANA On-Premise Connector (New)
D242049 	Search Form: Search entries using Reference Attributes	2950096 
D242267 	Eclipse IDM Editor - READONLY access to package config without check out	2948314 
D243107 	WebUI: Enhance tab "Historic Values" with the technical name of the attribute	2924783 
D243298 	Table Approvers of approval tasks type Basic should be filled	2913242 
D244298 	Attributes missing in delegated approval tasks of type basic	2913210 
D242335 	Eclipse - Allow Testing of Processes without Package Checkout	2951301 
D243336 	UI: Change IdM UI Tab and Entry Type using URL parameter	2980257 
D242937 	Eclipse Dev Studio stop & restart a stuck job or task without package check out	2968609 
D243401 	Update of JAVA script engine to latest release	2996022 

Table of Contents

▾ SAP Identity Management 8.0 (Release Notes)

> SAP Identity Management 8.0 SP00

> SAP Identity Management 8.0 SP01

> SAP Identity Management 8.0 SP02

> SAP Identity Management 8.0 SP03

> SAP Identity Management 8.0 SP04

> SAP Identity Management 8.0 SP05

> SAP Identity Management 8.0 SP06


> SAP Identity Management 8.0 SP07

▾ SAP Identity Management 8.0 SP08


SAP S/4HANA On-Premise Connector (New)

Support for New Oracle and IBM DB2 Versions (New)

SAP Identity Management Improvements



Aa



SAP IDM Customer Connection



SAP IDM CUSTOMER CONNECTION

Customers and partners submitted improvement requests for SAP Identity Management

SAP team is currently evaluating requests with a minimum of 10 supporting customers (by votes), and deliver accepted requests via SAP Notes and Support Packages throughout 2021

Selection call in mid-April – register on platform and community to receive invite

Submission period closed for 2021

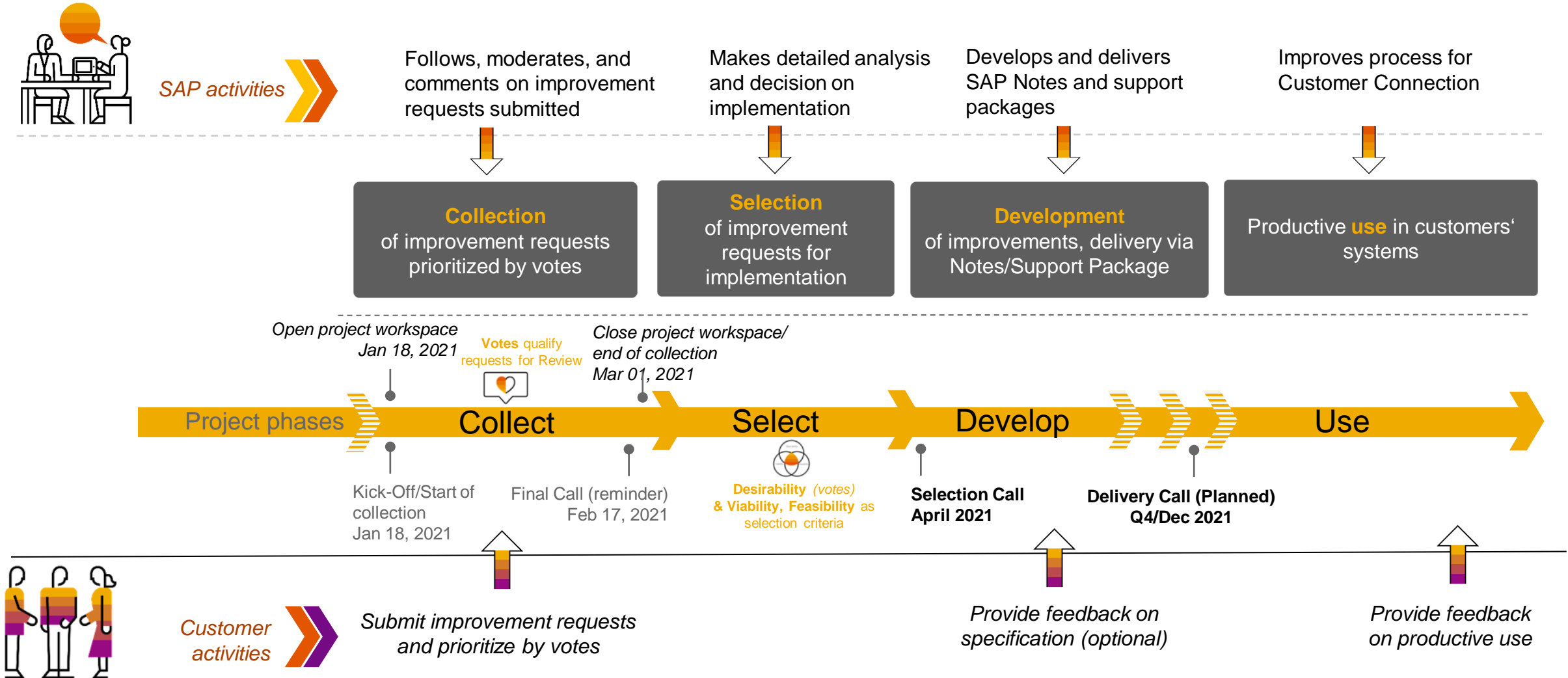
Register here: [Customer Influence Platform](#)

More information in the [SAP IDM Community](#)



SAP CUSTOMER CONNECTION SAP IDENTITY MANAGEMENT 8.0

Project Timelines



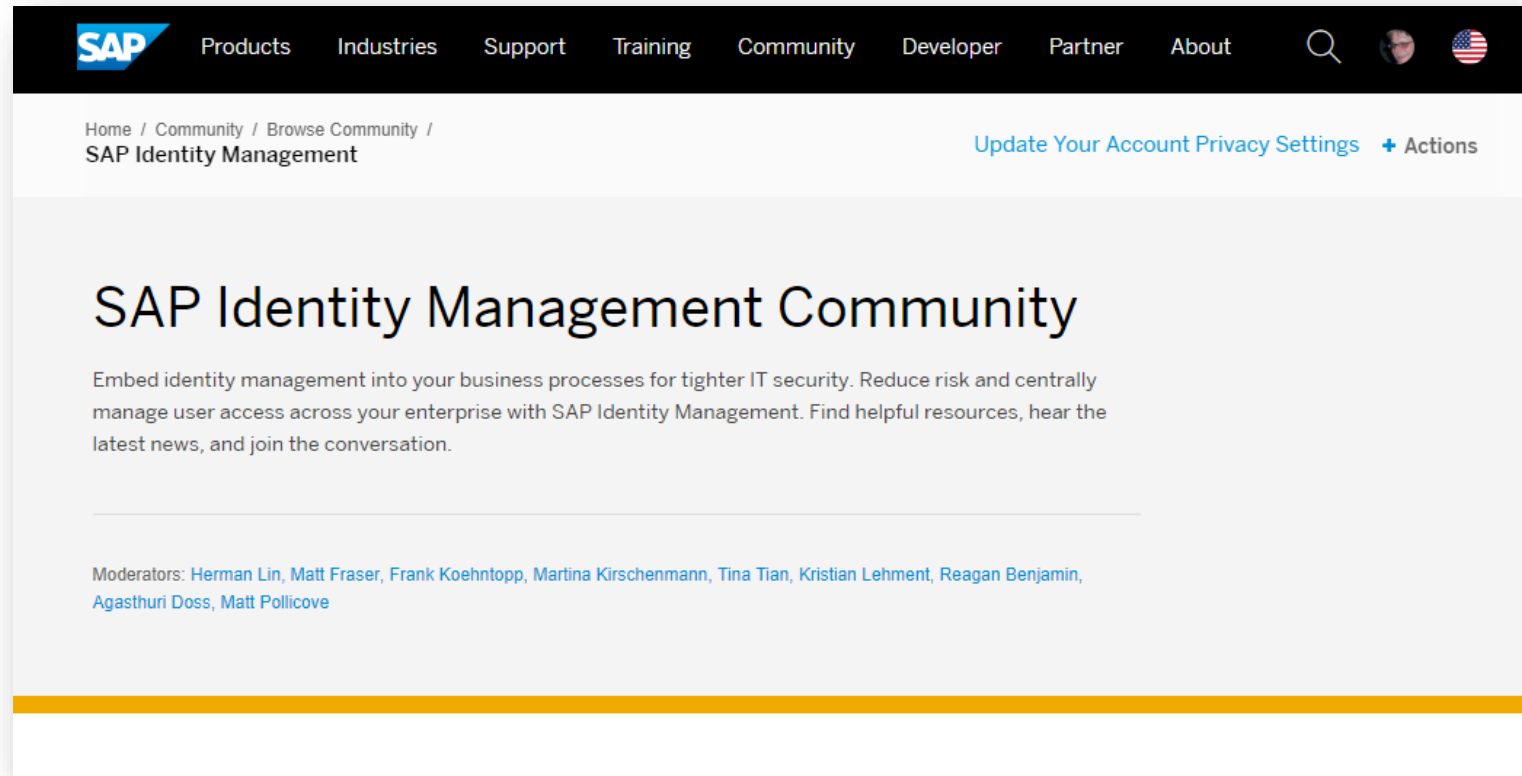
Additional information



Find more information Online on SAP.COM

Visit the SAP.COM community pages for comprehensive information on SAP Identity Management, such as:

Discussion forum, product information, documentation, training and support information, articles, blogs, WIKI, FAQs, newsletters and downloads.



<http://www.sap.com/community/topic/identity-management.html>

Key links for more information

For customers and partners

Key links

- SAP Cloud Trust Center <https://www.sap.com/about/trust-center.html>
- IT Planning Resources <https://wiki.scn.sap.com/wiki/display/ATopics/IT+Planning+Resources>
- SAP Innovation Discovery <https://go.support.sap.com/innovationdiscovery>
- SAP Transformation Navigator <http://www.sap.com/transformationnavigator>
- SAP Security Community <https://www.sap.com/community/topics/security.html>
- SAP IDM Community <https://www.sap.com/community/topics/identity-management.html>

Product info on SAP.COM

- SAP Access Control <https://www.sap.com/products/access-control.html>
- SAP Cloud Identity Access Governance <https://www.sap.com/products/cloud-iam.html>
- SAP Identity Management <https://www.sap.com/products/identity-management.html>
- SAP Cloud Platform Identity Provisioning Service <https://www.sap.com/community/topics/cloud-platform-identity-provisioning.html>
- SAP Single Sign-On <https://www.sap.com/products/single-sign-on.html>
- SAP Cloud Platform Identity Authentication Service <https://www.sap.com/community/topics/cloud-platform-identity-authentication.html>

Where to go to provide product feedback and ideas

- SAP Idea Place <https://ideas.sap.com>
- Influence programs <http://service.sap.com/influence>
- SAP User Groups <http://www.sapusergroups.com>

Thank you.

Contact information:

Bo Baade-Pedersen

SAP COE, Risk and Security EMEA-S

The holistic security vision

Key to Success: Consider the risk of both **threats** and **fraud** and continuously improve on your security.

Identity & Access Management:

- SAP IDM
- Cloud ID
- Customer Identity management

Cyber Security:

- OT and IT Cyber security
- System, Code & Interface scanning
- Security Awareness engagement
- Vulnerability assessments
- Penetration testing



Authorizations:

- Authorization (re)design
- Role and user management
- Pre-Audit assessment

Governance Risk & Compliance:

- Access Control
- Process control
- Audit reporting
- Emergency Access Management

ATS Enterprise Security's unique End-to-End Security Solutions provide...

- ✓ Robust Identity management
- ✓ SOD free authorizations and GRC
- ✓ Real time threat detection
- ✓ Complete SIEM integration



IDM to combat Threats and fraud

Some **threats**:

- Ransomware attack
- Loss of critical business information
- Customer or employee identity theft
- CEO fraud

How can we fight them off?

- Proper **Identity & Access management**
- Company wide security awareness
- Harden and upgrade the ERP landscape
- Intelligent threat detection

A few **fraud** examples:

- Employee theft
- Incorrect financial transactions
- Malicious use of authorizations
- Insight in critical business information

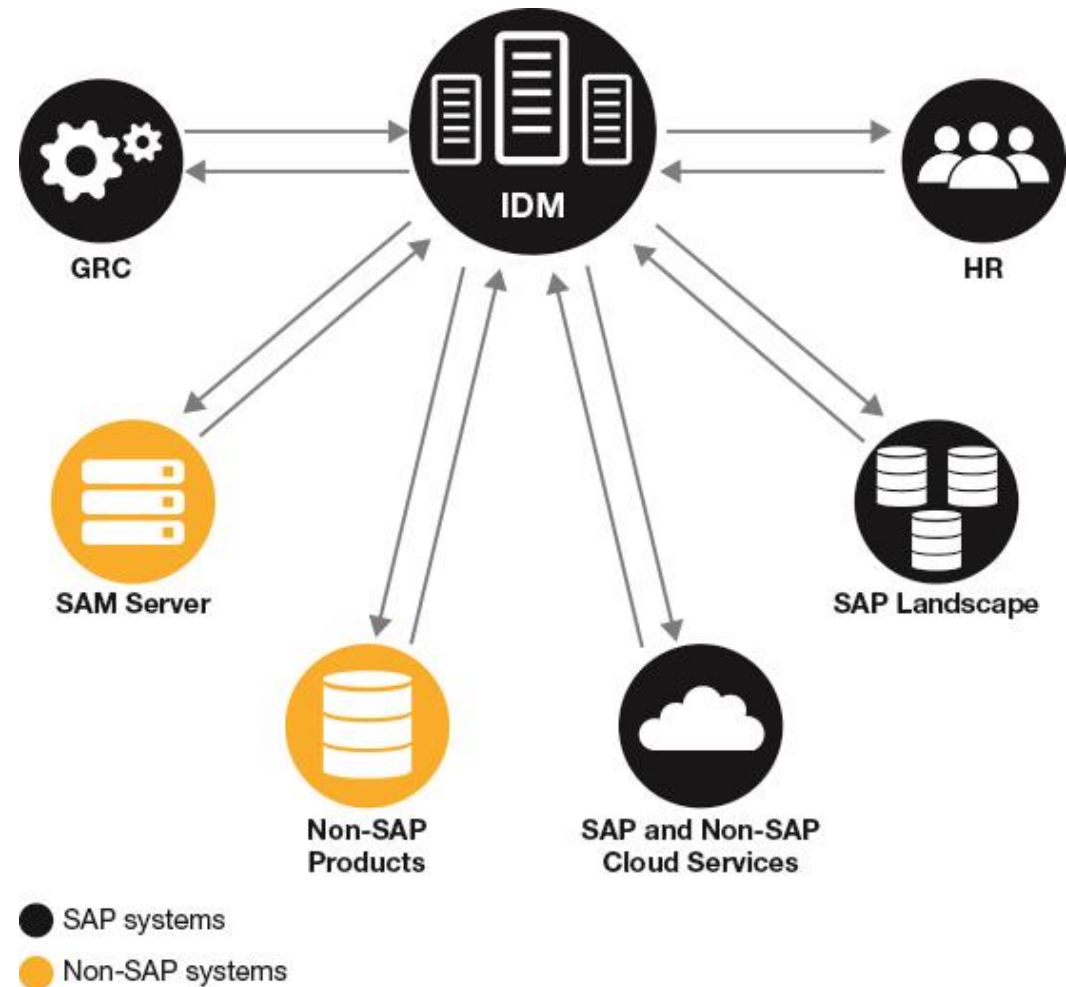
How can we prevent it?

- **Role and authorization management**
- Risk identification & mitigation
- Behavioural analytics
- Real time alert notification

Let's unburden security

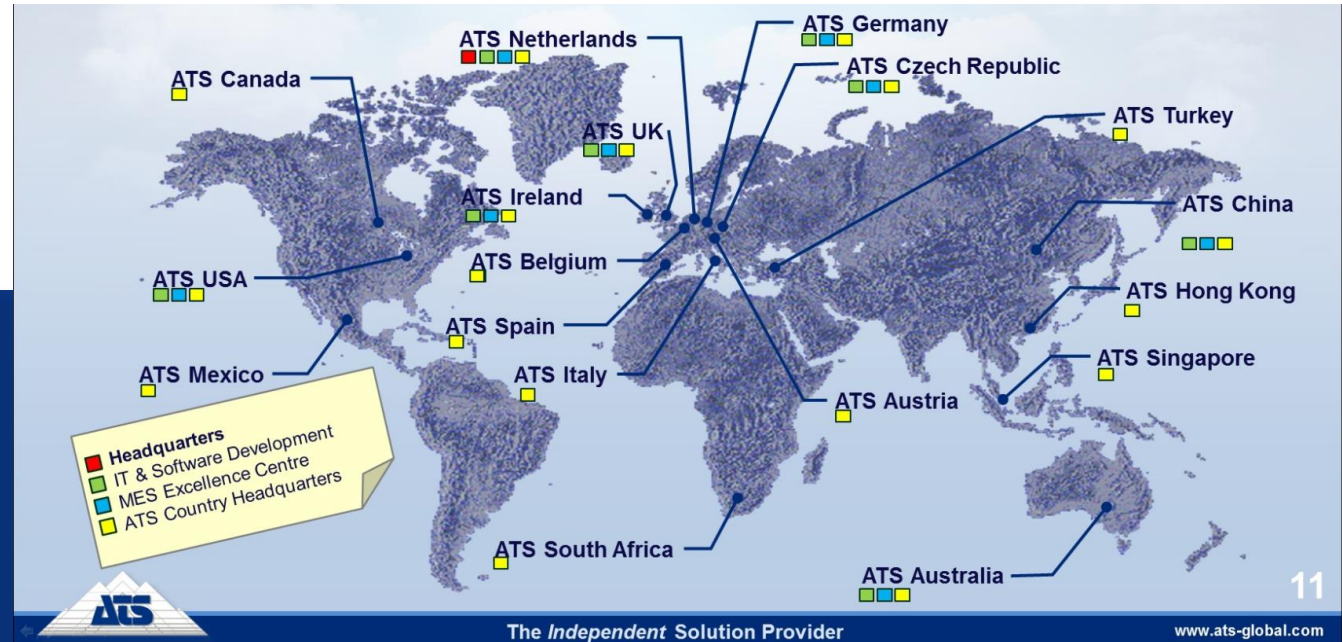
Your IDM solution is at the heart of your companies security. Do not treat it like it's only an identity storage because a proper IDM system can do much more than that.

Proper IDM will keep you in control of the entire identity lifecycle. Not just for your ERP landscape. Non-SAP applications can be provisioned or can be used as data source.



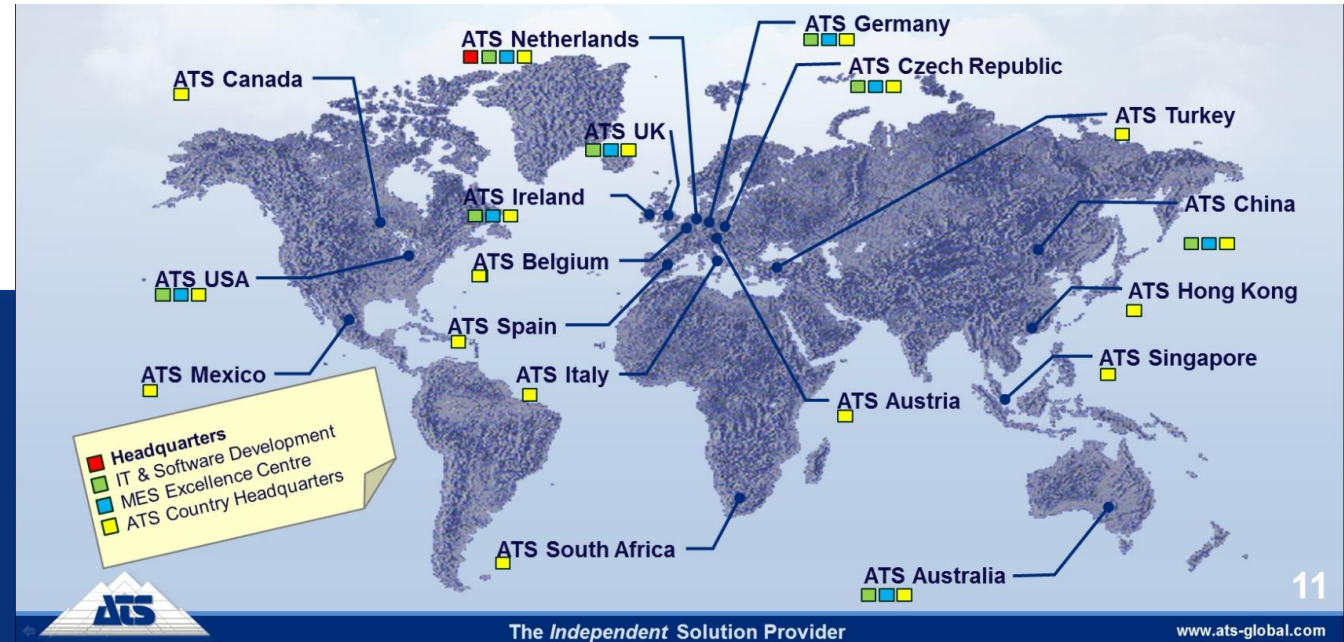
More than just support

- SAP IDM 2nd & 3th line support
- SAP IDM active monitoring
- ATS advanced connector design
- ATS 24/7 service desk



Added value

- SAP IDM Project consultancy
- ATS IDM Vulnerability assessment
- ATS Reporting cockpit
- Data quality monitoring



ATS Enterprise Security Portfolio

Security consultancy and project management

The ATS services

- OT Cyber Security Assessment
- Rapid Response Forensic Assistance
- Penetration testing for OT and IT
- Autorisation/role management
- ERP Pre Audit Assessment
- Segregation of Duties Assessment



SAP Pre-audit assessment



SAP Authorization assessment



SAP Security automation



SAP Cyber defense



SAP IDM Managed Services

Managed Services for IT & OT cyber security

ATS Academy – attackers insights/security awareness/network security

The *Independent* Solution Provider for Smart Digital Transformation

our experience, your success



Armand Lemmens



Bo Baade-Pedersen



Armand.Lemmens@ats-global.com



B.Baade-Pedersen@sap.com



+31 (0)6 41 33 39 84