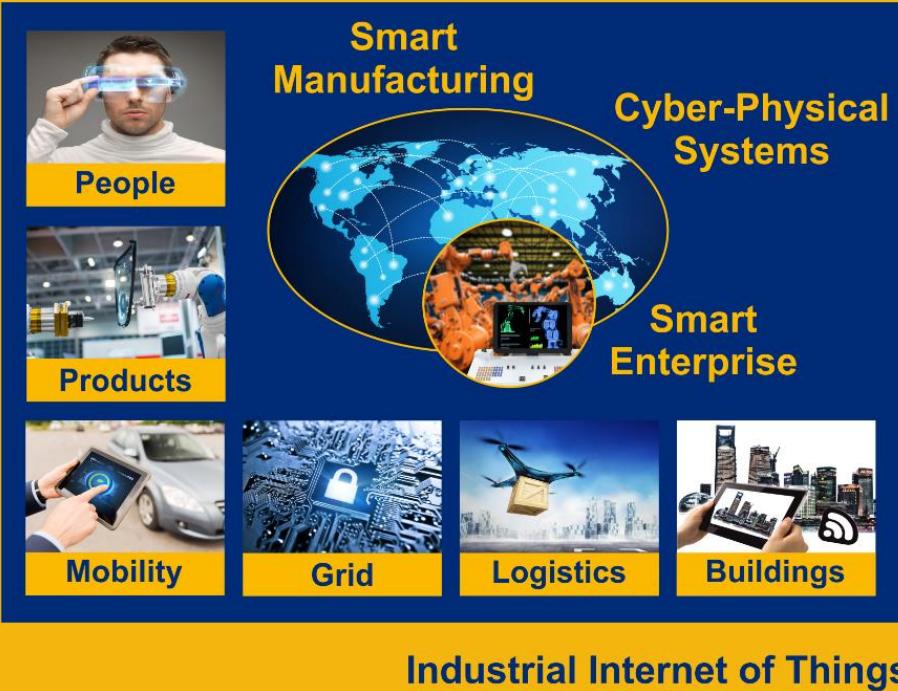


## Internet of Services



**Stop thinking about  
Identity Management**

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

# Who is presenting



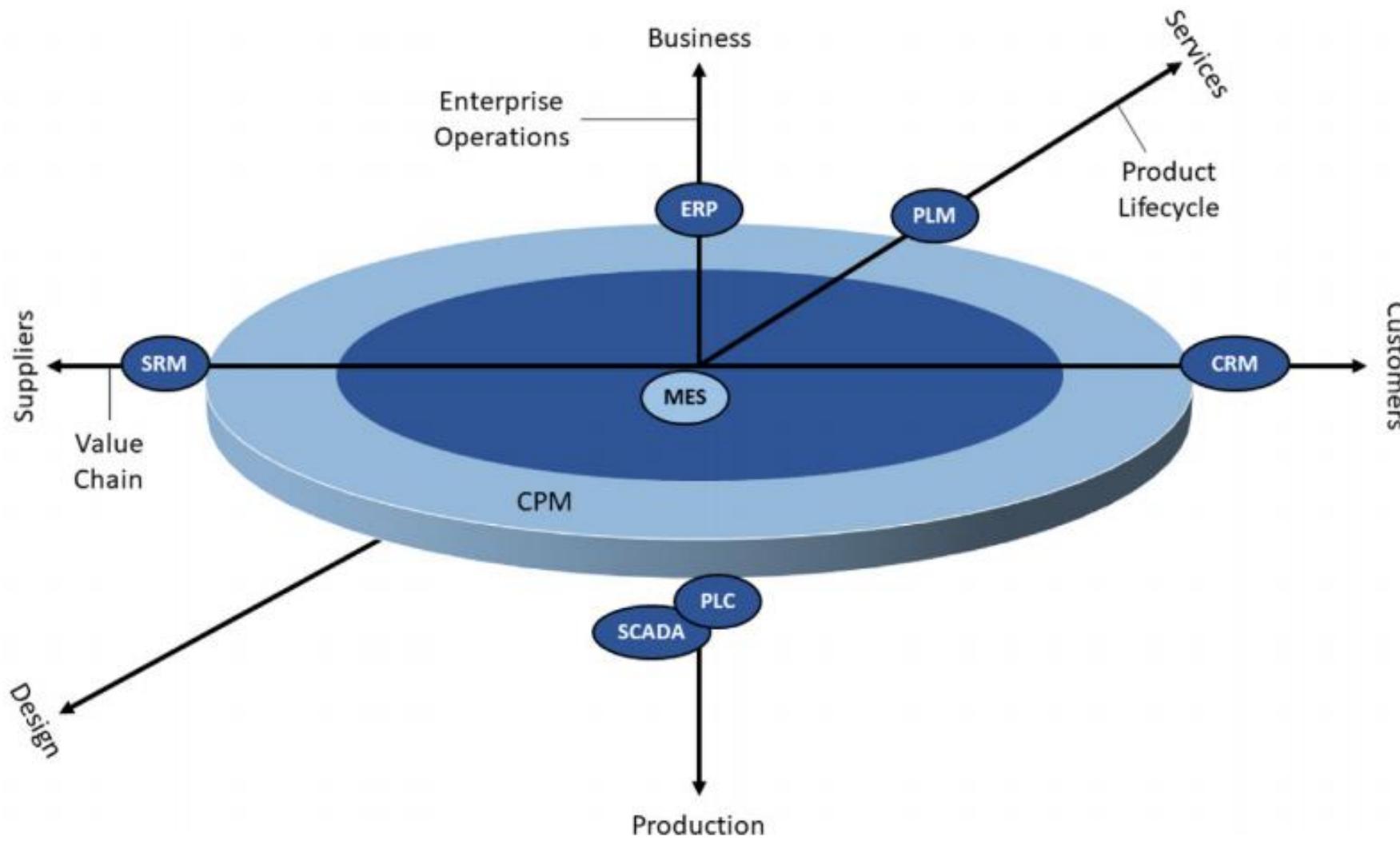
**Armand Lemmens**  
Manager ATS Enterprise Security  
Managing consultant



**Bo Baade-Pedersen**  
Senior Specialist SAP COE

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



Internet of Behaviors



Total experience strategy



Privacy-enhancing computing

### Location independence



Distributed cloud



Anywhere operations



Cybersecurity mesh

### Resilient delivery



Intelligent composable business



AI engineering



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

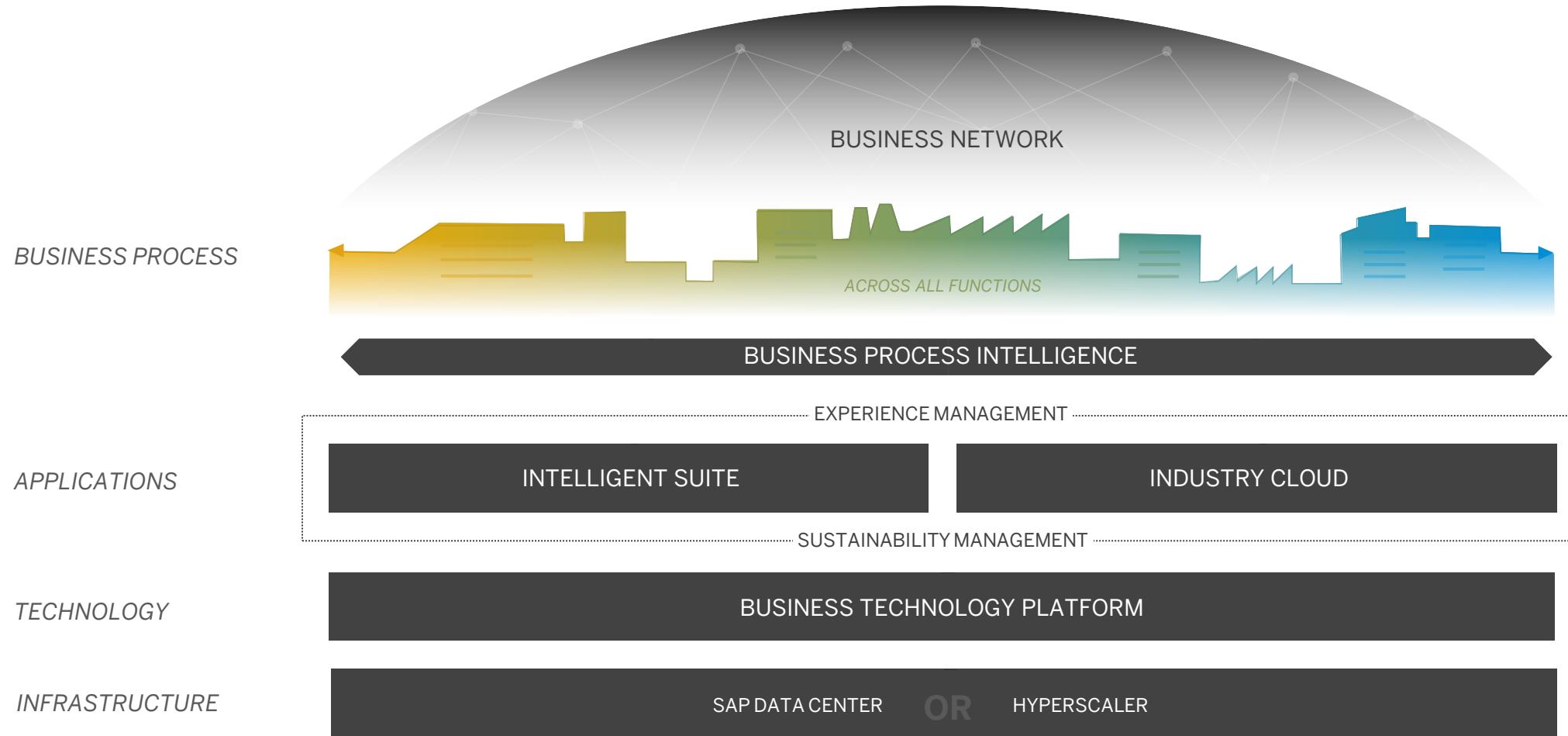
- Communities, documentation and blogs

# Solution overview – SAP IDM



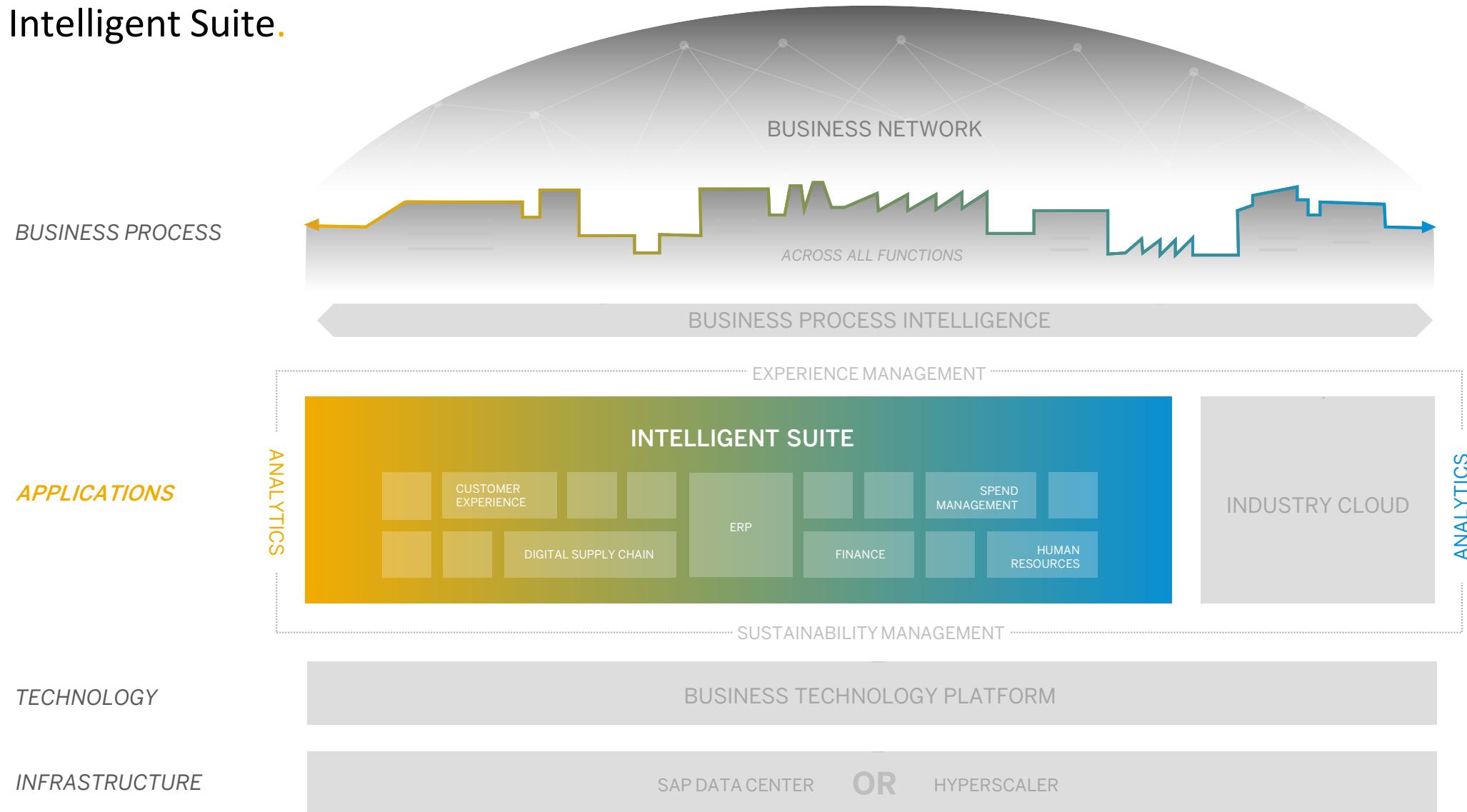
# INTELLIGENT ENTERPRISE

Evolved Vision.



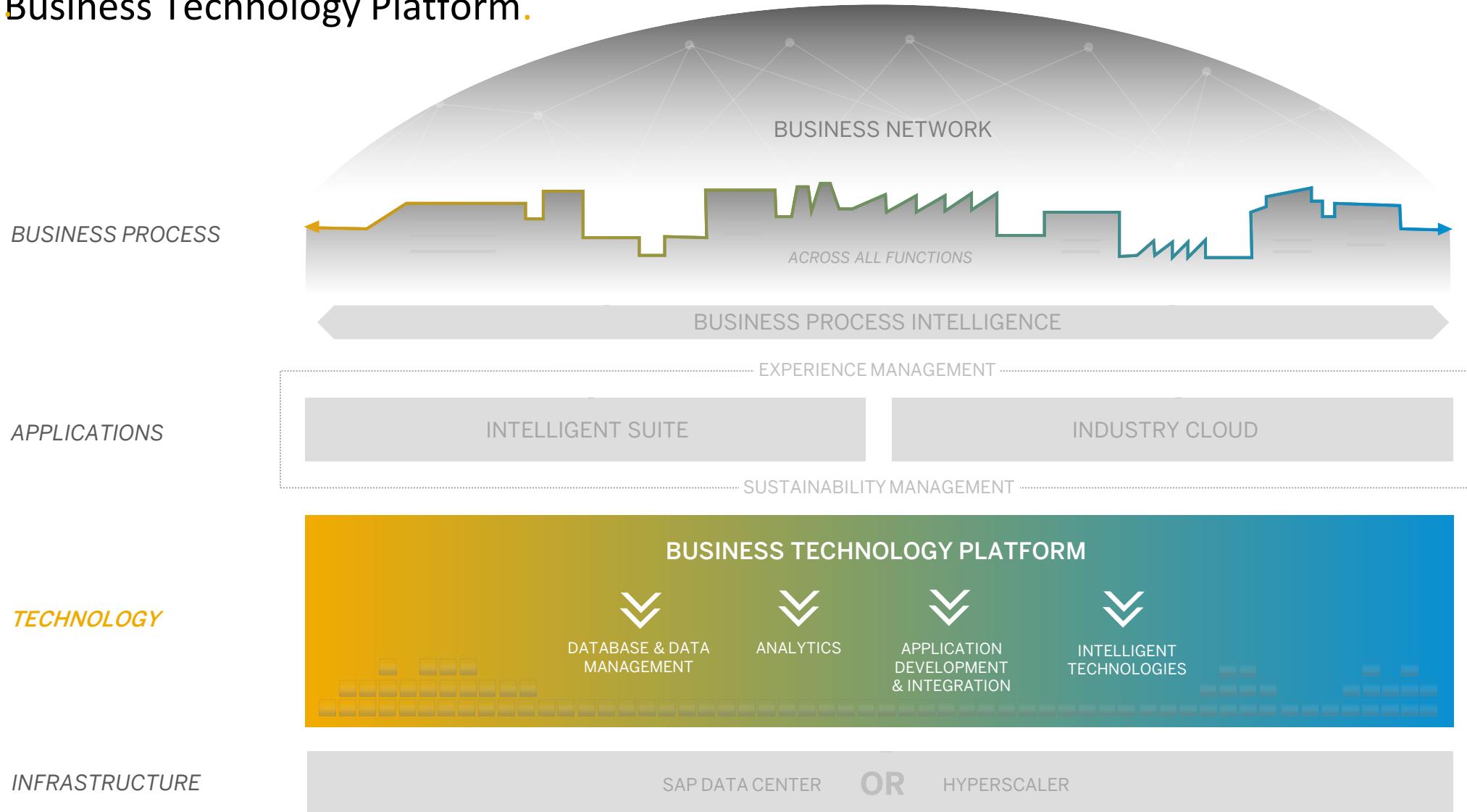
# KEY ELEMENT

## Intelligent Suite.



# KEY ELEMENT

## Business Technology Platform.



# SUITE QUALITIES OF THE INTELLIGENT ENTERPRISE

## Security and identity management



## 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

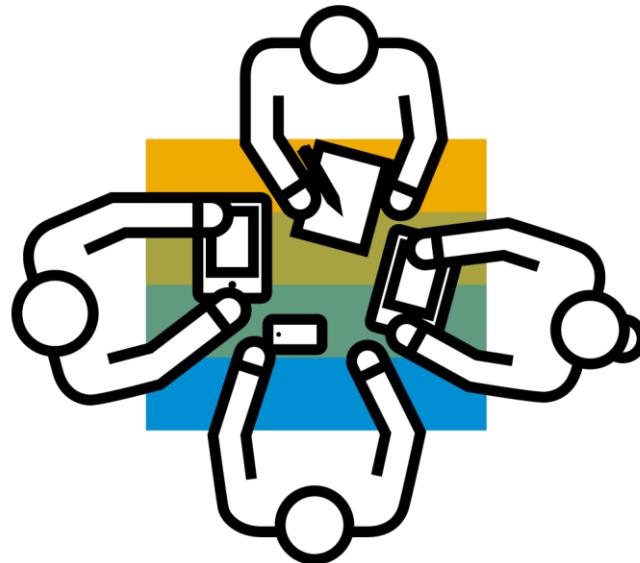
## Business Technology Platform

# KEY CAPABILITIES

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

Consistent user **roles** and **privileges**

Powerful and customizable feature sets



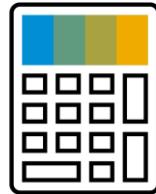
**Holistic** approach

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

Across **all** systems and applications

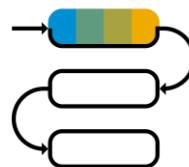
# BUSINESS DRIVERS FOR IDENTITY MANAGEMENT

## OPERATIONAL COSTS



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

## CHANGING BUSINESS PROCESSES



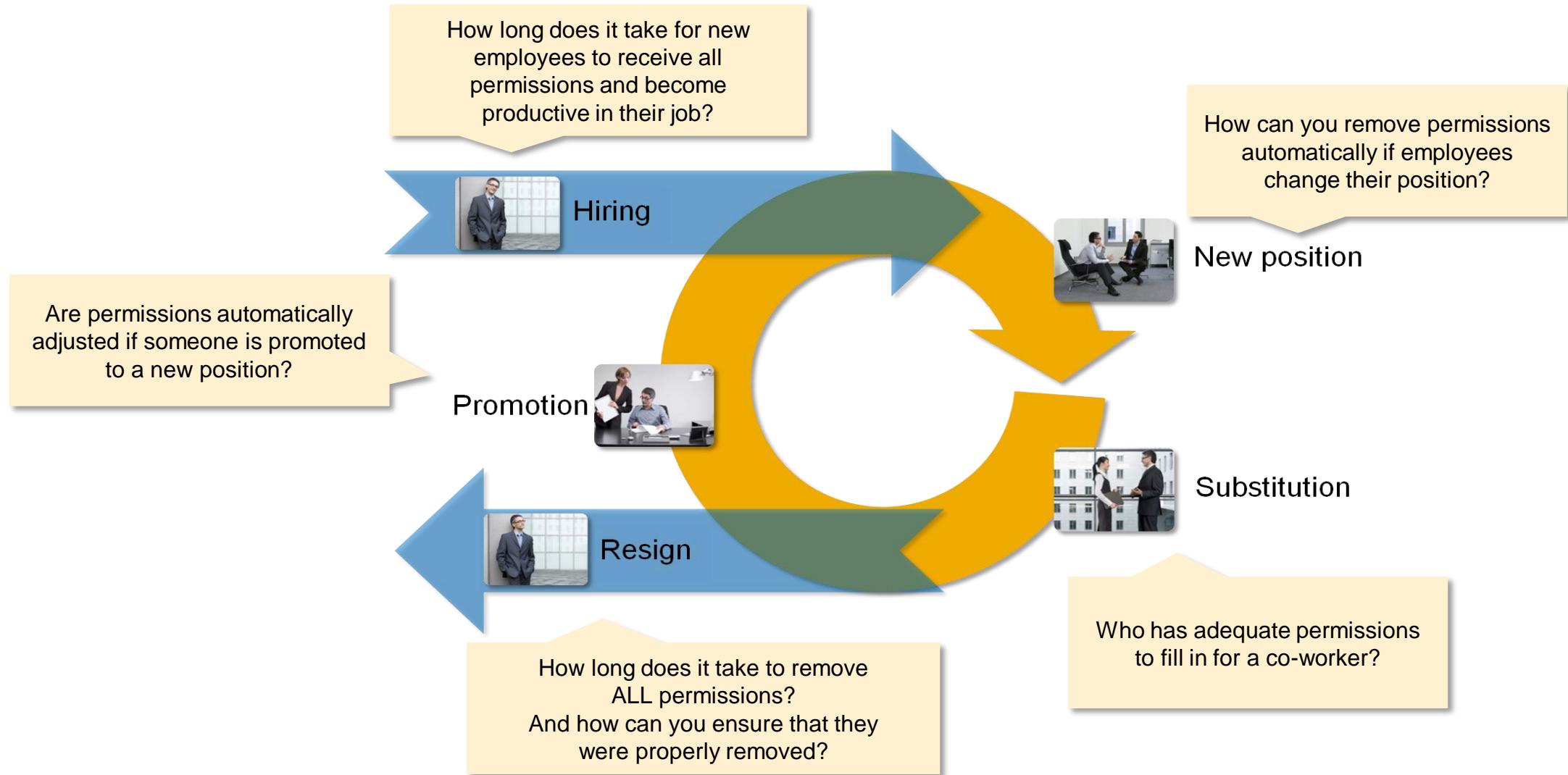
Transactions involve multiple enterprises  
Partners participate in business processes  
Company-specific requirements for user provisioning solutions

## 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

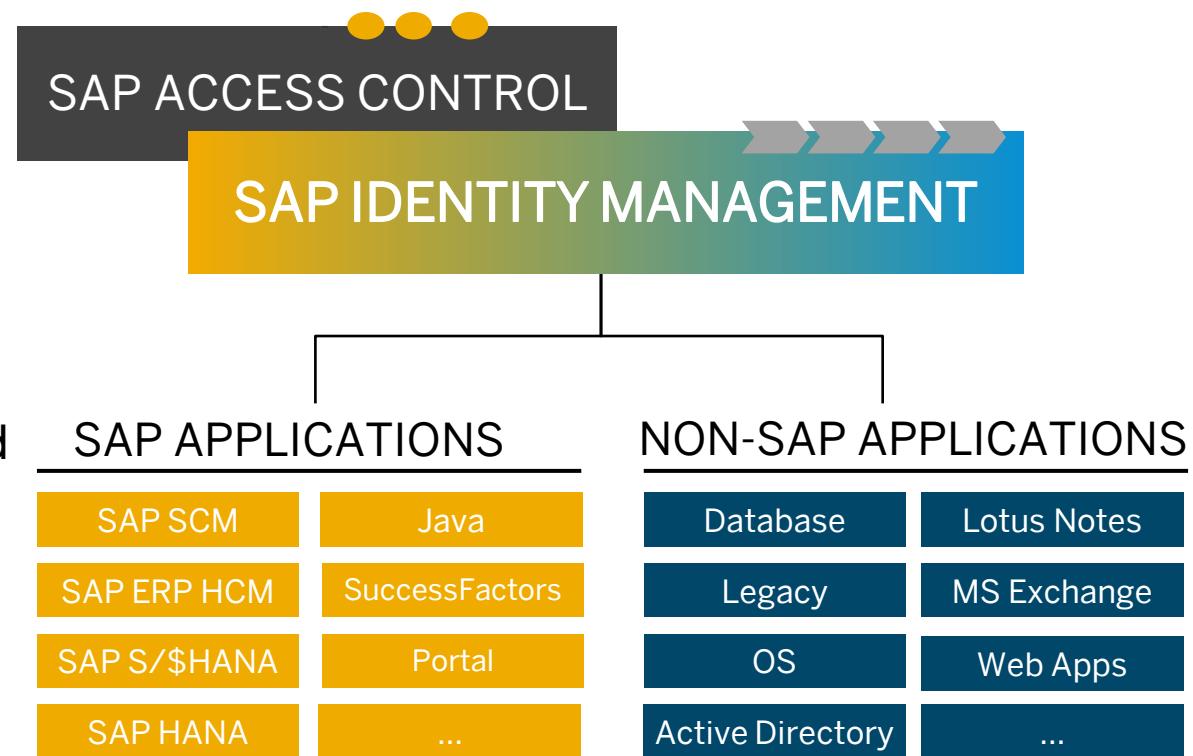
# MANAGING THE IDENTITY LIFECYCLE



# SOLUTION IN A NUTSHELL

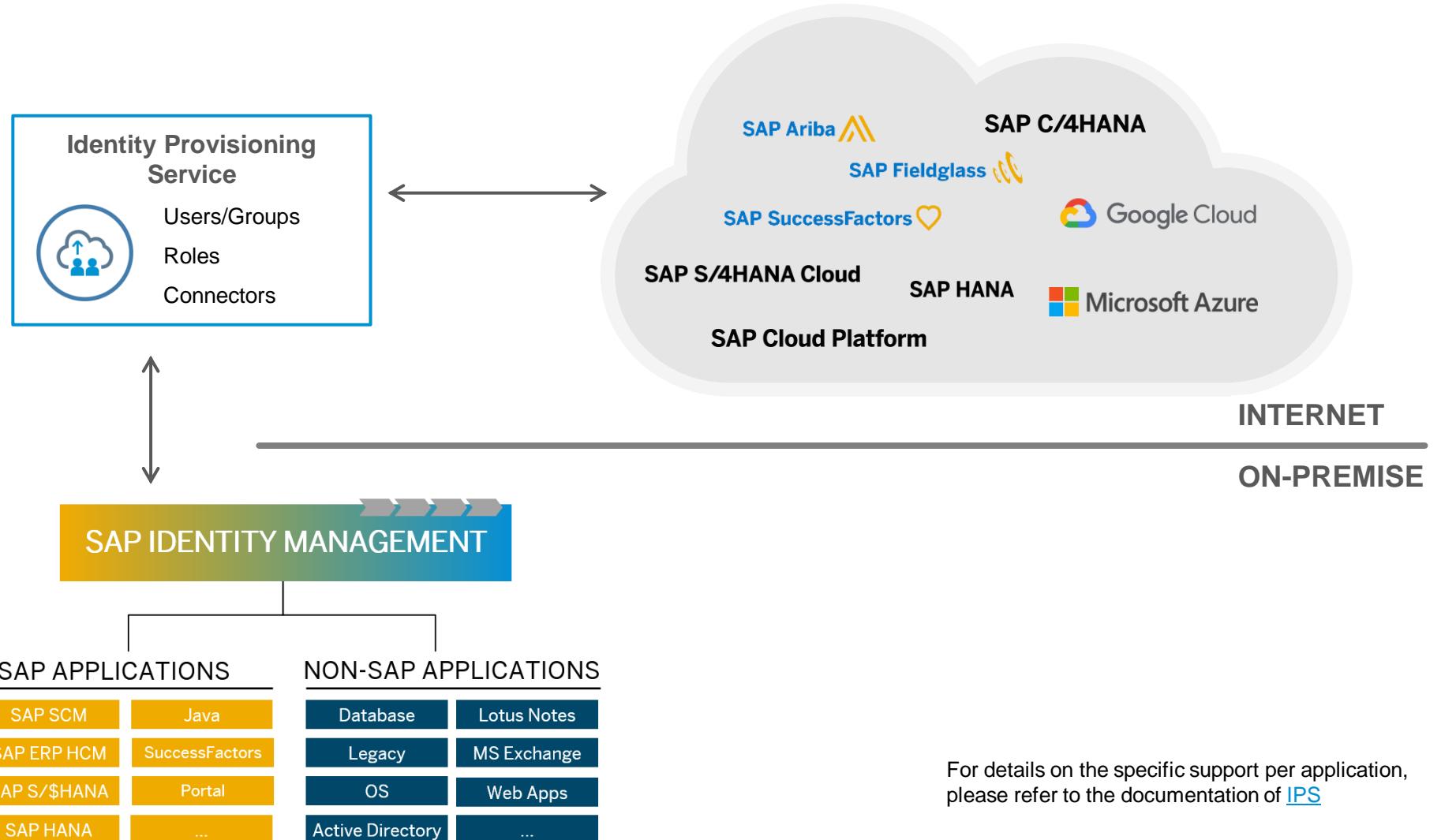
## On-premise Scenario

- 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



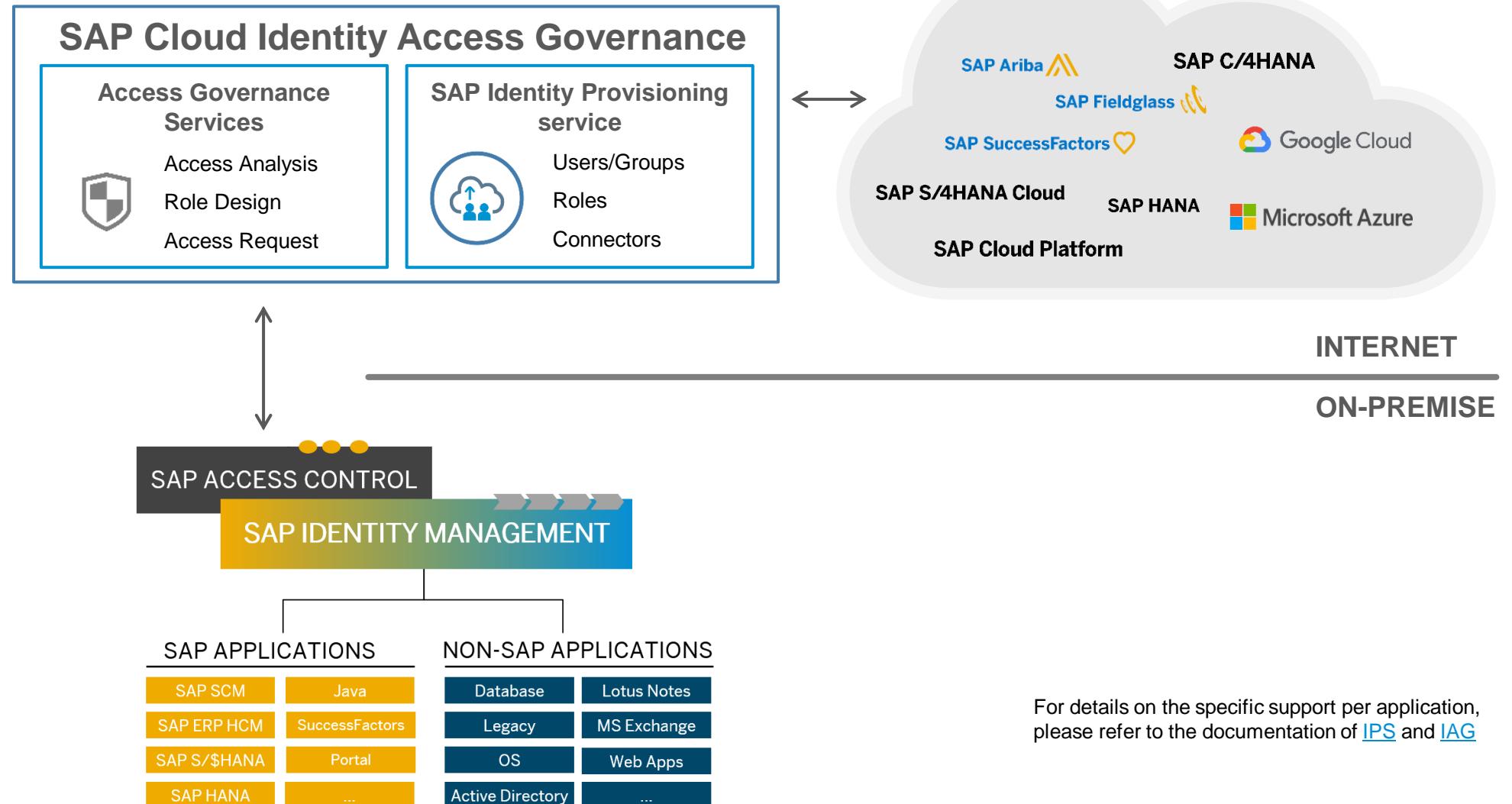
# SOLUTION IN A NUTSHELL

## Hybrid Scenario



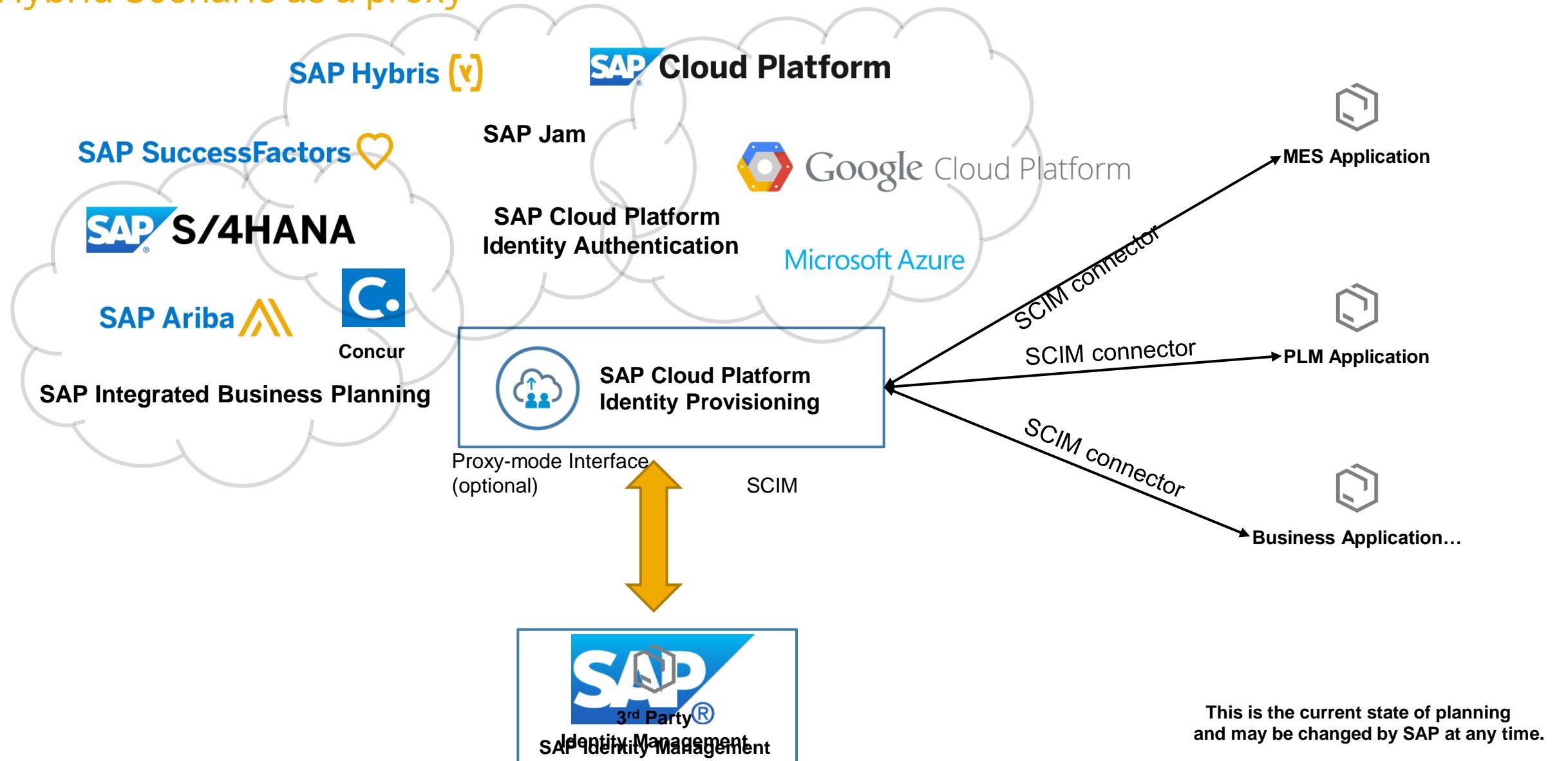
# SOLUTION IN A NUTSHELL

## Hybrid Scenario with SAP Access Control and Identity Access Governance



# SOLUTION IN A NUTSHELL

## Hybrid Scenario as a proxy



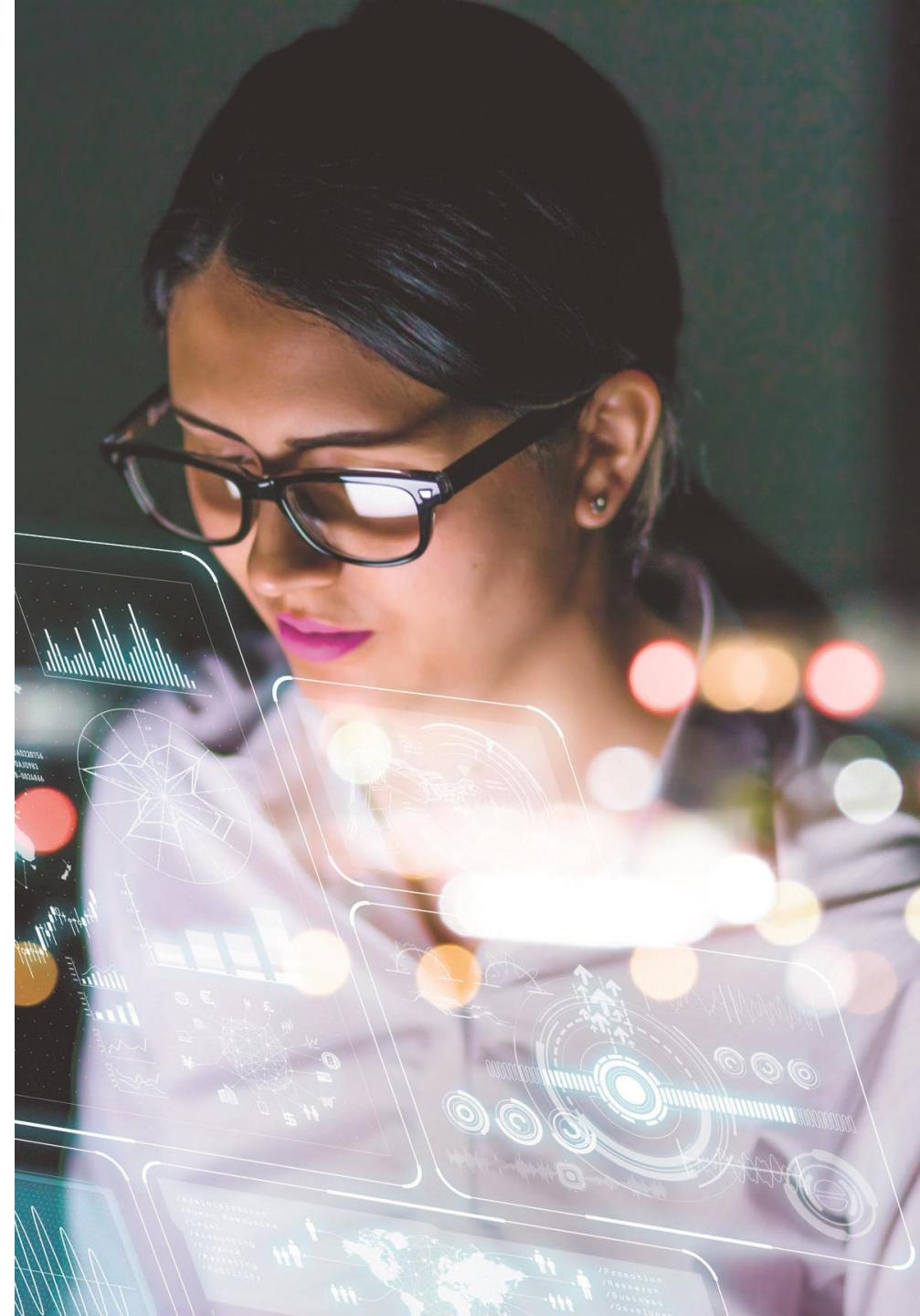
# SAP IDENTITY MANAGEMENT 8.0 SP08

## 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)

[Create Custom PDF](#)

This document



Enter keywords or a product name



Advanced Search

Home / SAP Identity Management 8.0 (Release Notes) / SAP Identity Management 8.0 SP08 /

 [Previous](#)

## SAP Identity Management Improvements



Aa



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

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### 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](#)

# 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**

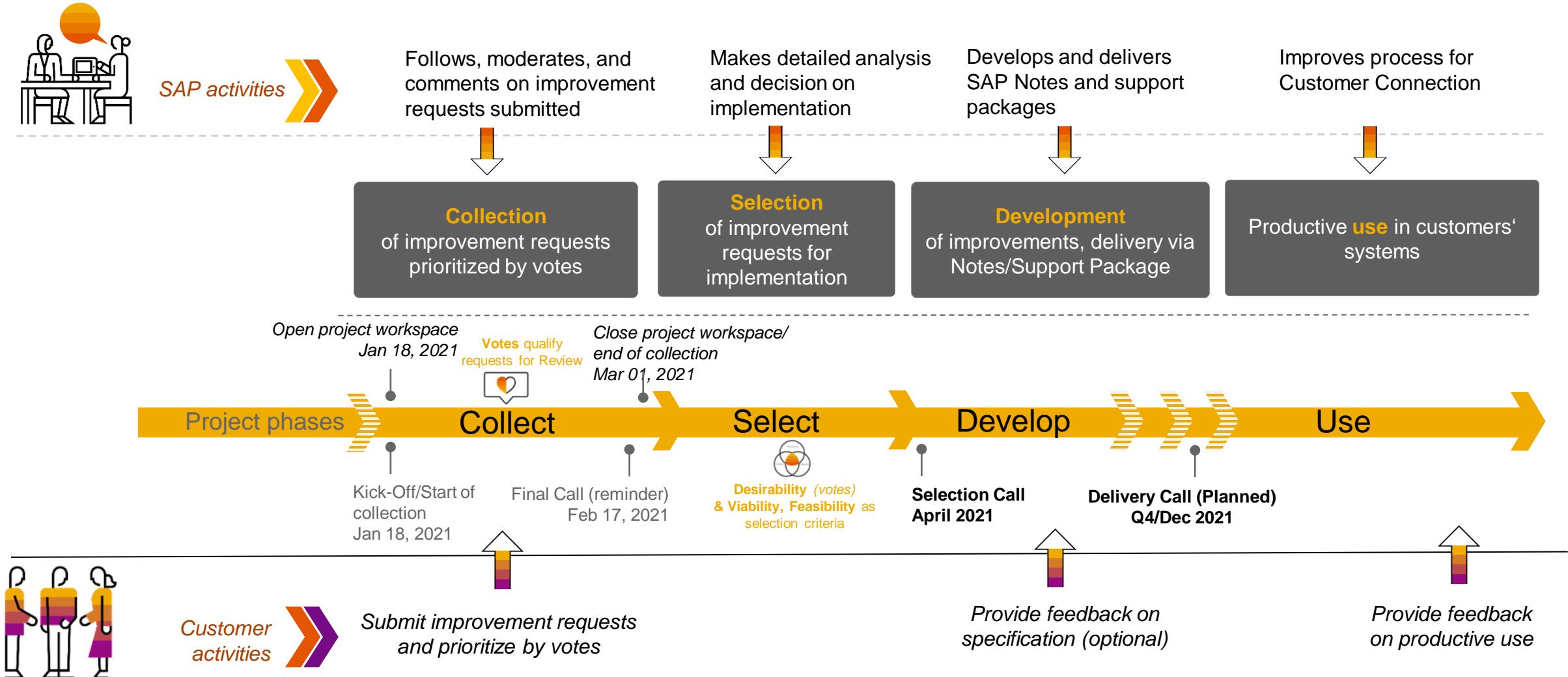
Register here: [Customer Influence Platform](#)

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



# SAP CUSTOMER CONNECTION SAP IDENTITY MANAGEMENT 8.0

## Project Timelines



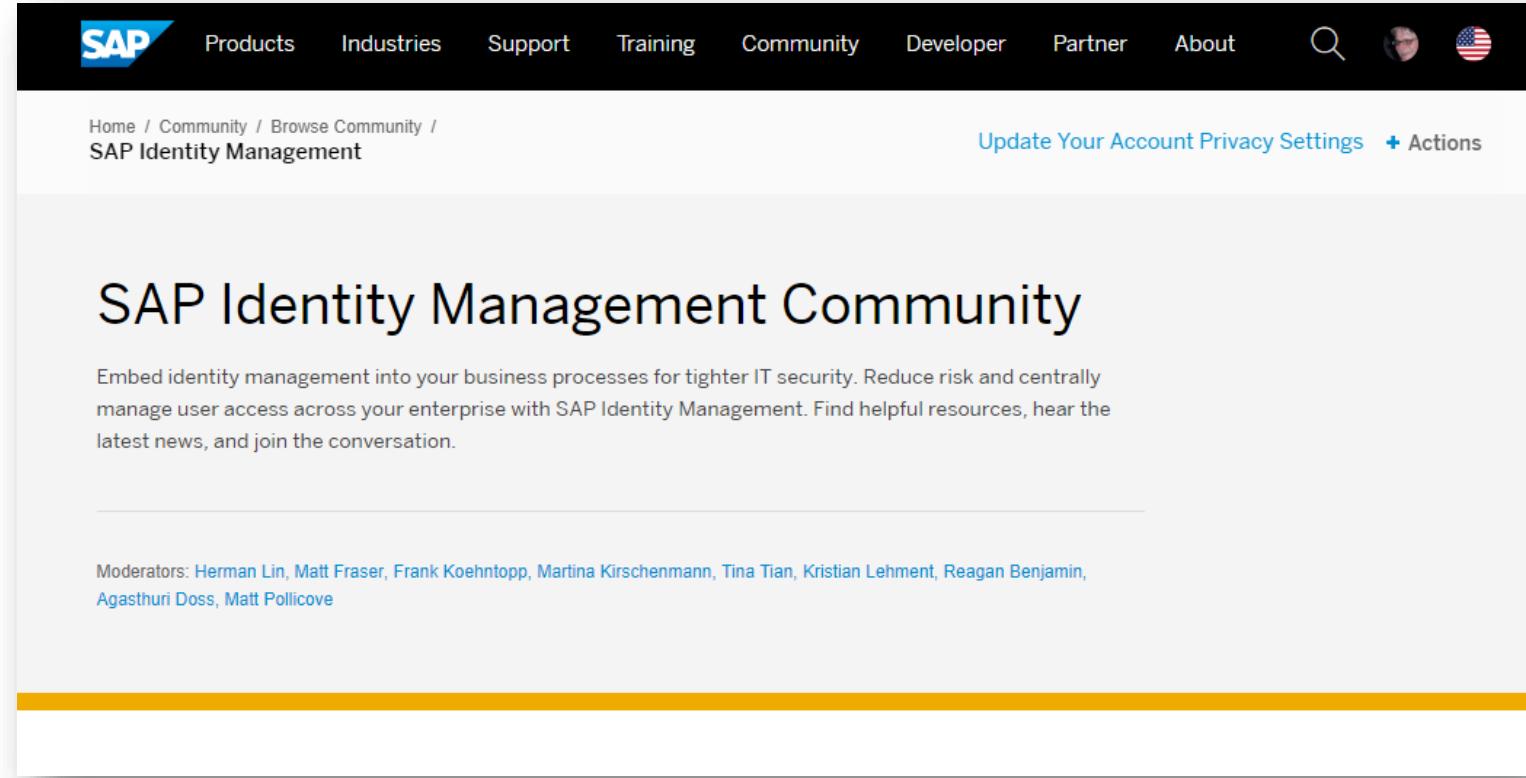
# Additional information



## 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.



The screenshot shows the SAP.COM community page for SAP Identity Management. The top navigation bar includes links for Products, Industries, Support, Training, Community, Developer, Partner, and About, along with a search icon and user profile icons. The page title is "SAP Identity Management Community". The main content area describes the purpose of SAP Identity Management and lists moderators. A yellow horizontal bar is visible at the bottom of the page.

<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?

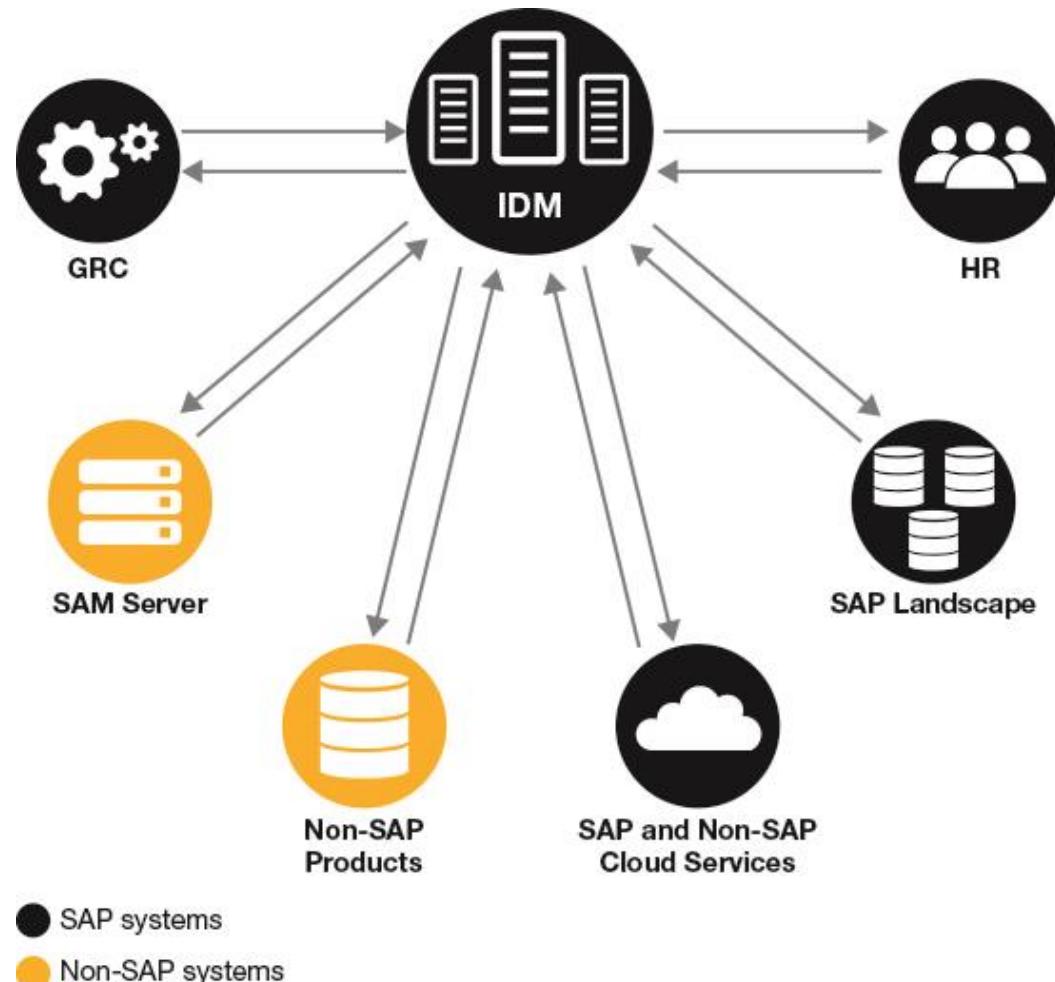
- **Role and authorization management**
- Risk identification & mitigation
- Behavioural analytics
- Real time alert notification



## Let's unburden security

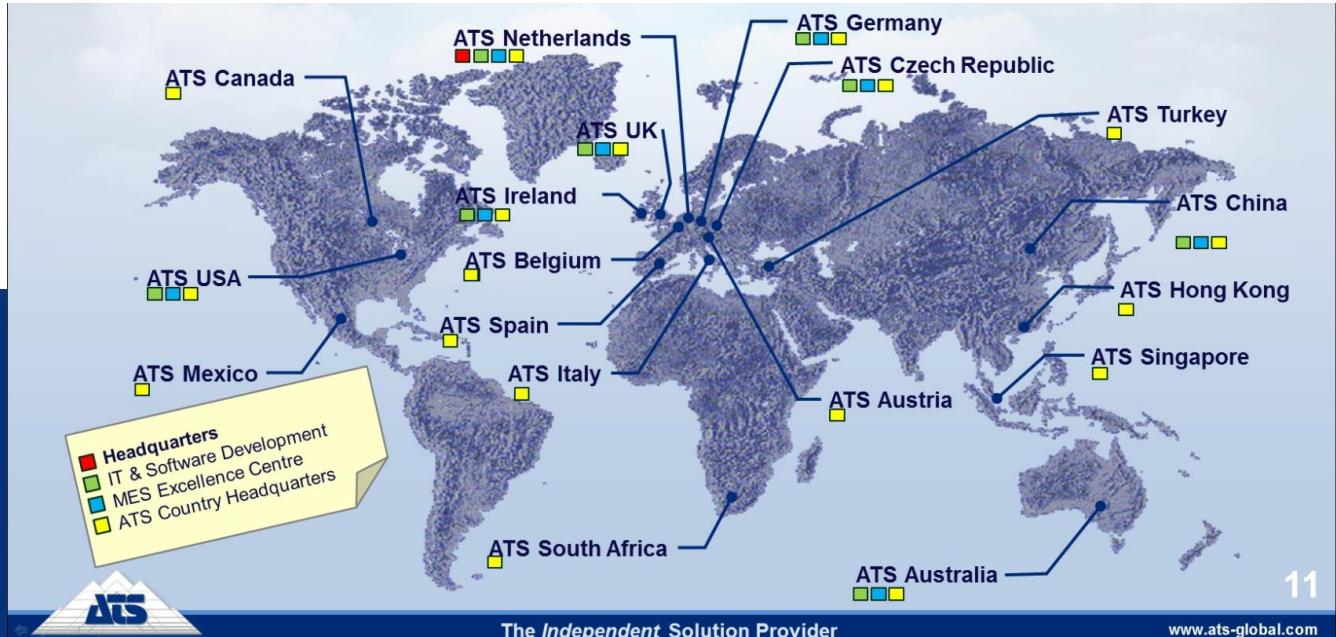
Your IDM solution is at the heart of your companies security. Do not treat it like it's only an identity storage because a proper IDM system can do much more than that.

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 2<sup>nd</sup> & 3<sup>th</sup> 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
- Authorisation/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



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