



# SAP's Integration Strategy

## Intelligent Enterprises are Integrated Enterprises

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SAP SE

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# Agenda

- 
- Intelligent Enterprise
  - Out-of-the-Box Integration
  - Open Integration
  - Holistic Integration
  - AI-Driven Integration
  - Total Workforce Management Roadmap
  - Key Take Aways

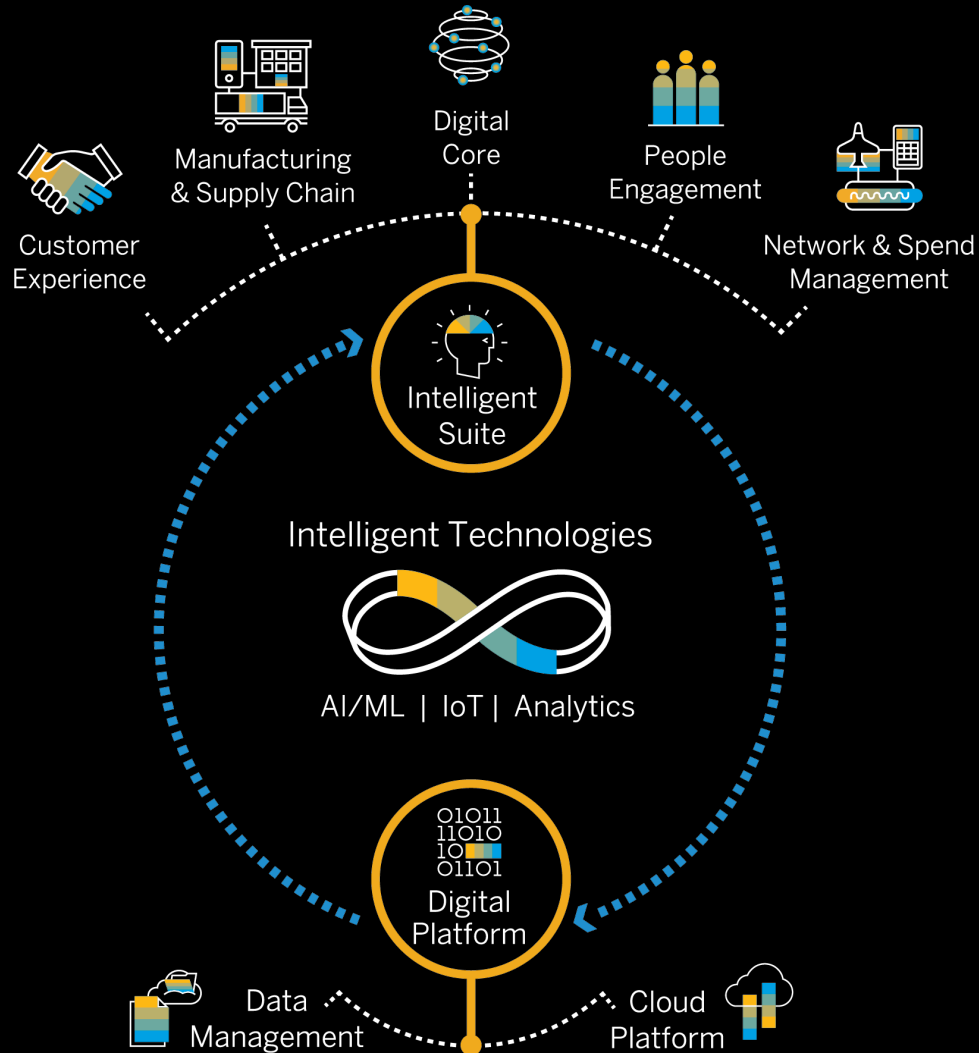
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# SAP Strategy for the Intelligent Enterprise

## Key Building Blocks



1

### Intelligent Suite

Retain modularity and flexibility of independent solutions while delivering a harmonized, integrated experience.

2

### Intelligent Technologies

Simplify, automate and innovate next generation business processes by leveraging AI/ML, IoT and analytics.

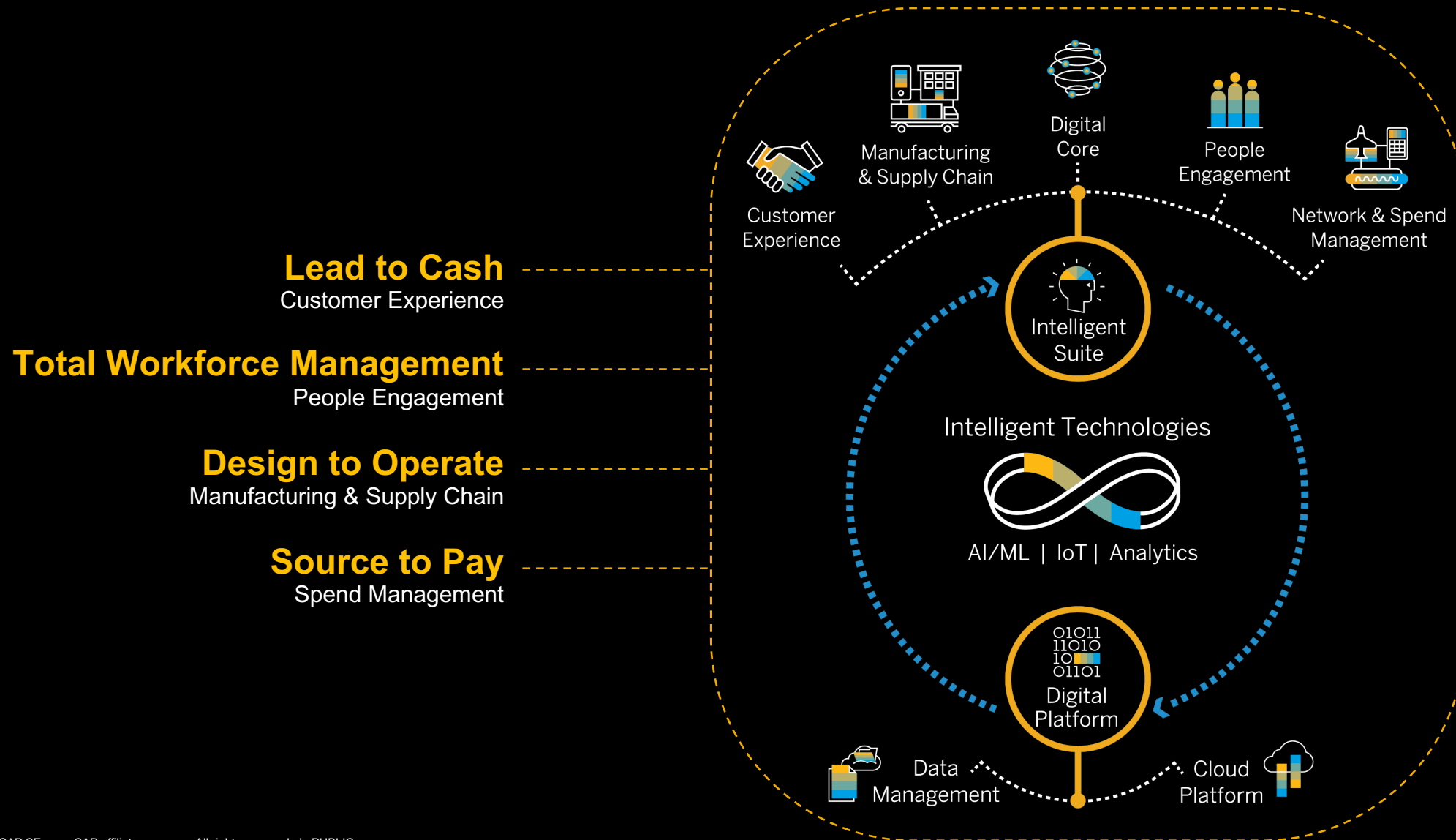
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### Digital Platform

Manage data from any source and rapidly develop, integrate, and extend intelligent applications.

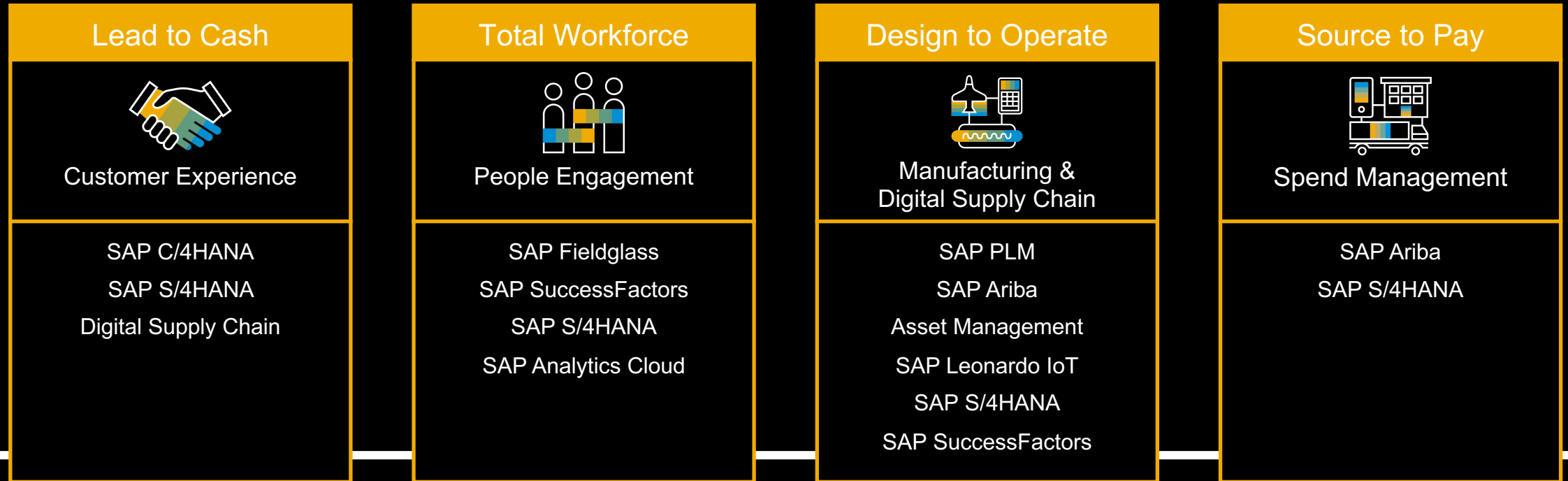
# SAP Approach for the Intelligent Enterprise

Focused Execution Along Key Scenarios



# SAP Approach for the Intelligent Enterprise

## Focused Execution Along Key Scenarios



## NEXT GENERATION BUSINESS PROCESSES

Embedded Intelligence | Harmonized Experience | Unified Integration | Flexible Extension

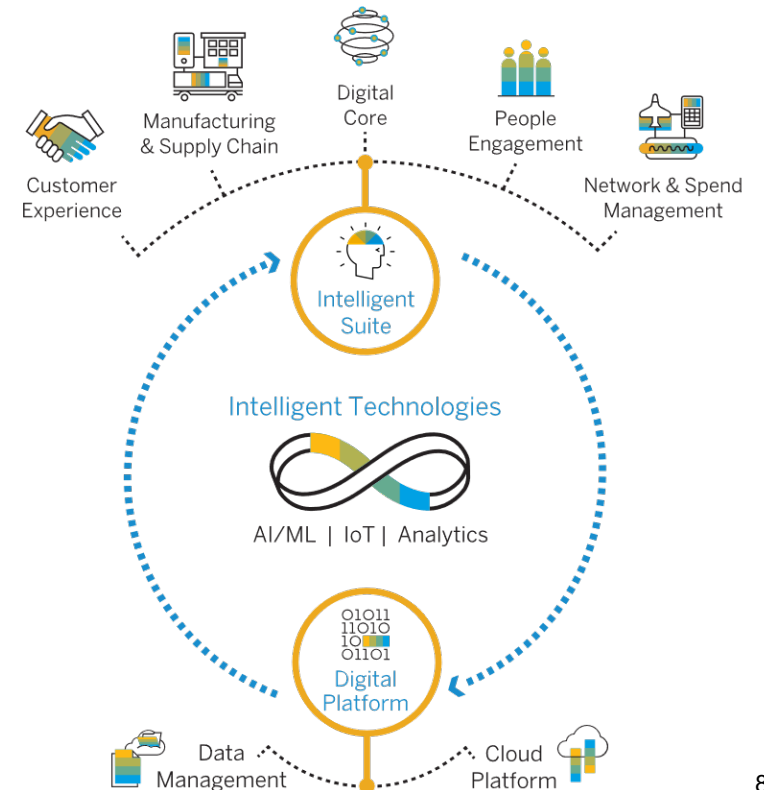
# The Intelligent Enterprise Powers the Best Run Workforce

## SAP Vision of Total Workforce Management

Enabling the end-to-end business process of planning, sourcing, and managing the total workforce, and facilitating a holistic talent strategy to achieve agility and game-changing business outcomes.

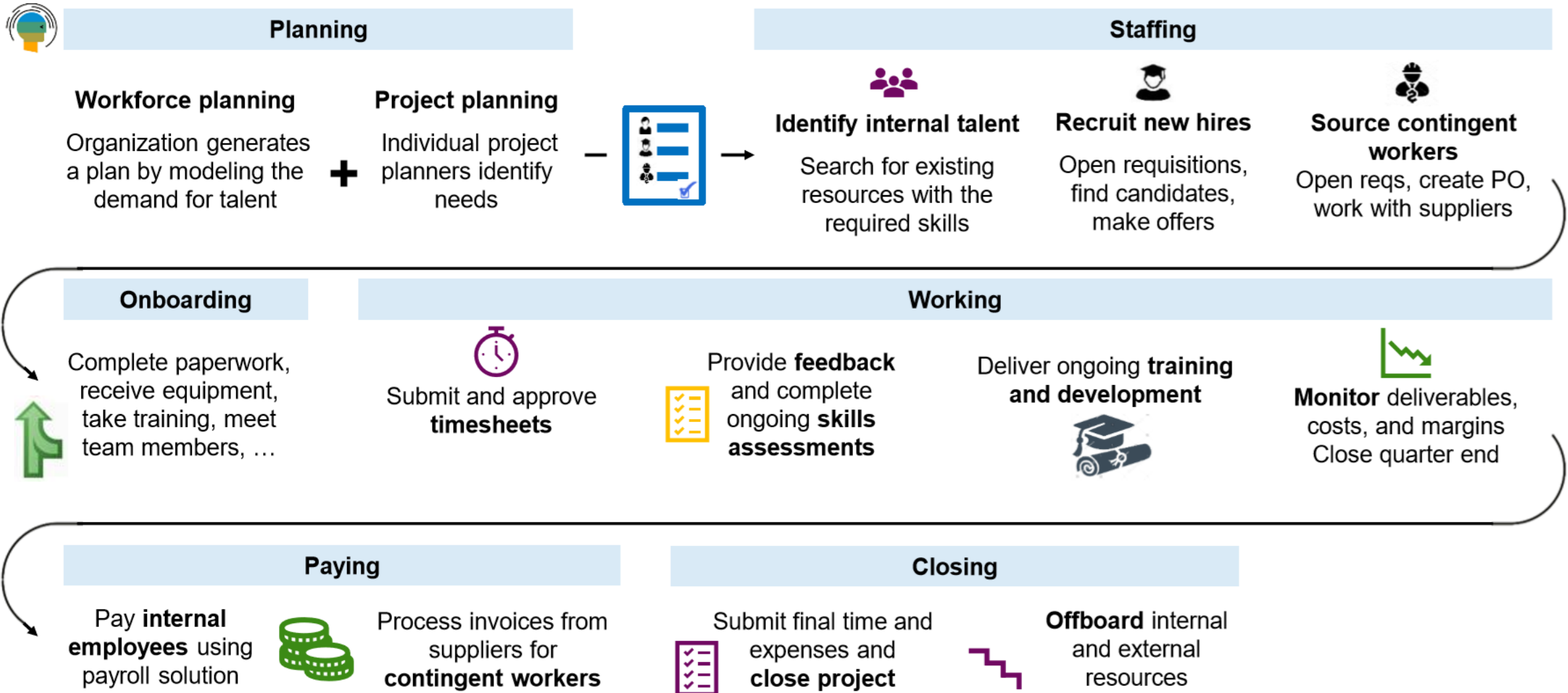
### Business Benefits

- Visibility into people and finances and collaboration across the enterprise
- Align talent strategy to key business priorities, leveraging an agile workforce
- Drive worker engagement with new and meaningful experiences



# Total Workforce Management Process

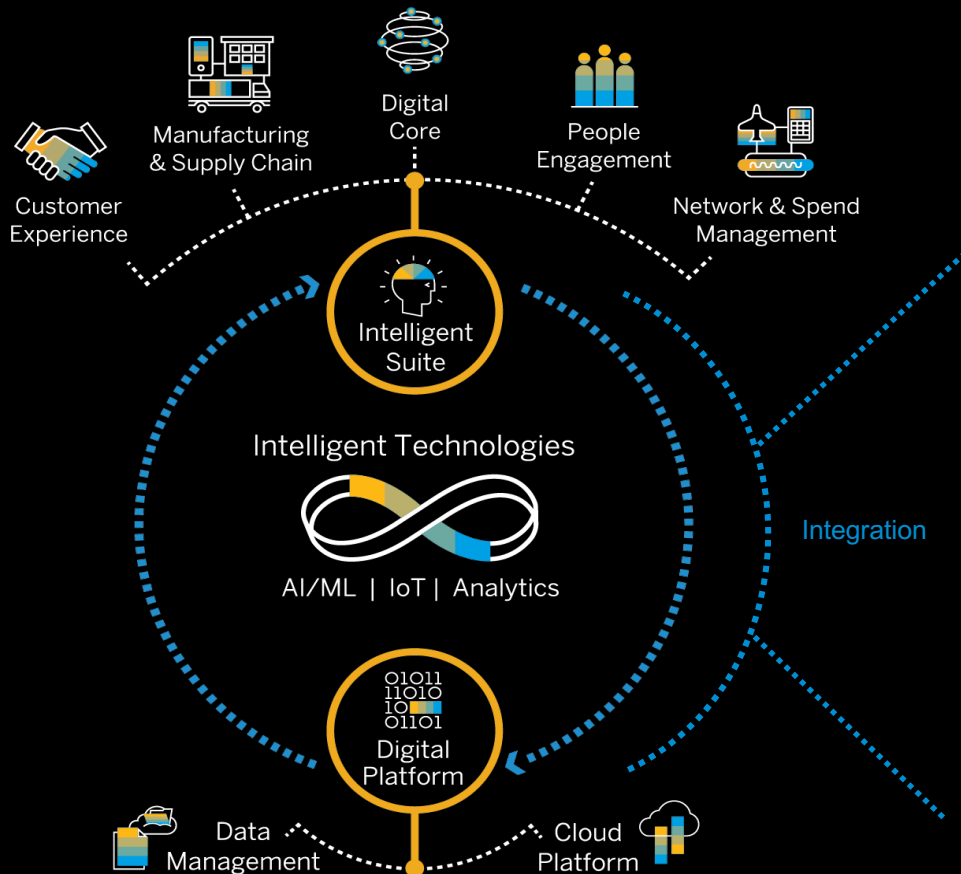
## Visibility and Intelligence Across Permanent Employees and Contingent Workers





# SAP Integration Strategy for the Intelligent Enterprise

## Key Integration Principles



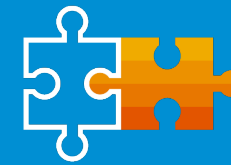
1

OUT-OF-THE-BOX  
INTEGRATION



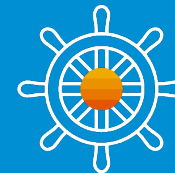
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OPEN  
INTEGRATION



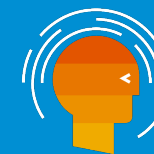
3

HOLISTIC  
INTEGRATION




4

AI-DRIVEN  
INTEGRATION



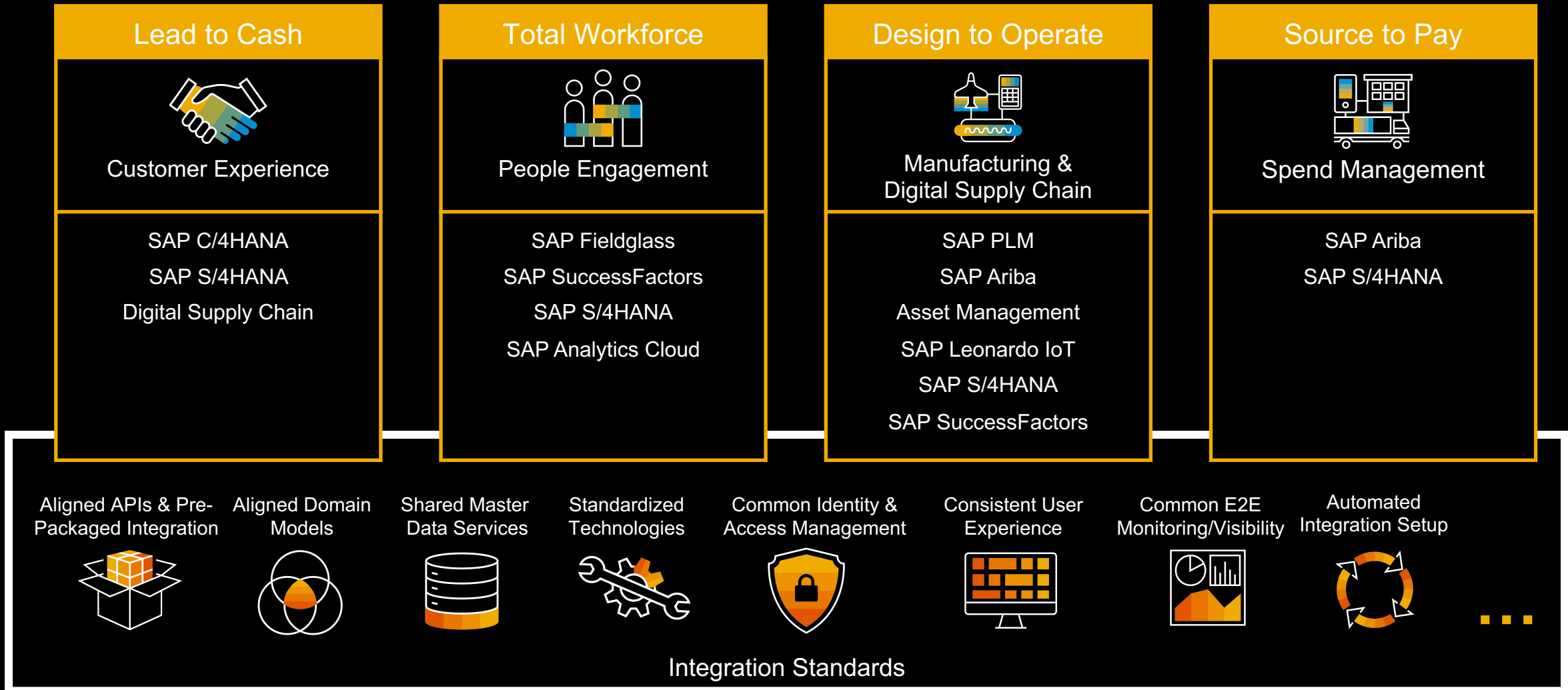
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# SAP Integration DNA for the Intelligent Suite

## Stepwise Adoption of Integration Standards Along Key Scenarios

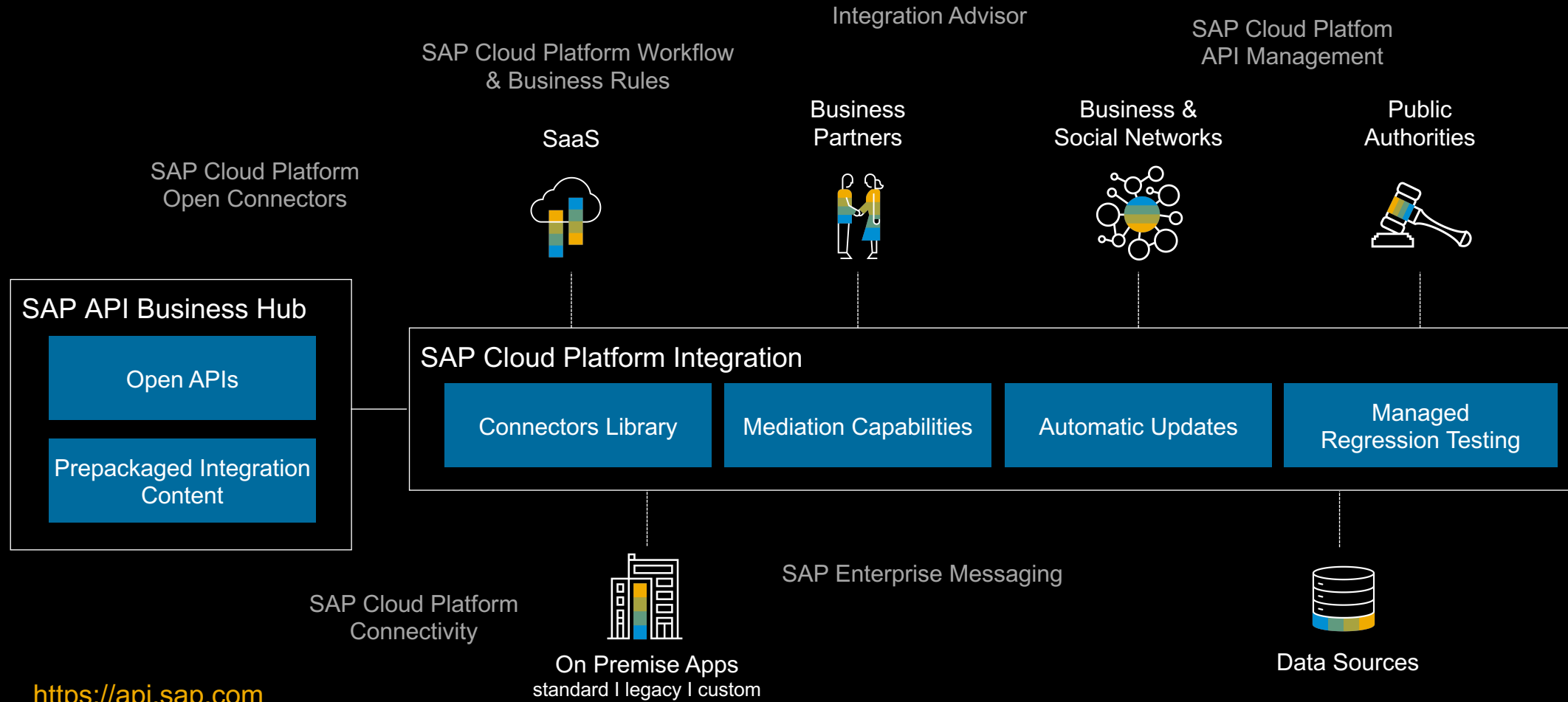
OUT-OF-THE-BOX  
INTEGRATION



# SAP's iPaaS for Cloud and Hybrid Integration

## SAP Cloud Platform Integration Suite

OUT-OF-THE-BOX  
INTEGRATION



# Digital Building Blocks for Modern Apps and Open Integration

## SAP API Business Hub

OUT-OF-THE-BOX  
INTEGRATION



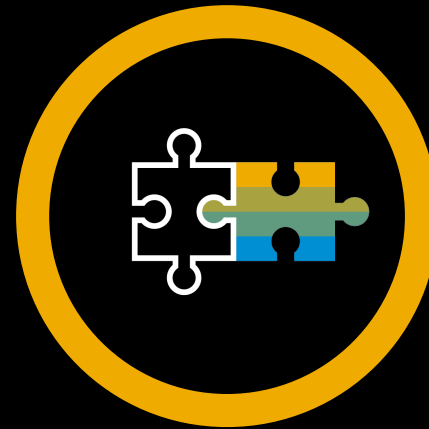
**Rich Catalog**

Central place for APIs from  
SAP and its partners



**API Sandbox**

One click-test experience for  
developers via API Sandbox



**Ease of Consumption**

Code Generations and IDE  
integrations



**Pre-packaged Accelerators**

Pre-packaged  
integrations and best  
practice templates

<https://api.sap.com>



# Pre-delivered Process Integration

## Example: Total Workforce Management

OUT-OF-THE-BOX  
INTEGRATION



### Break down the silos between HR and Procurement

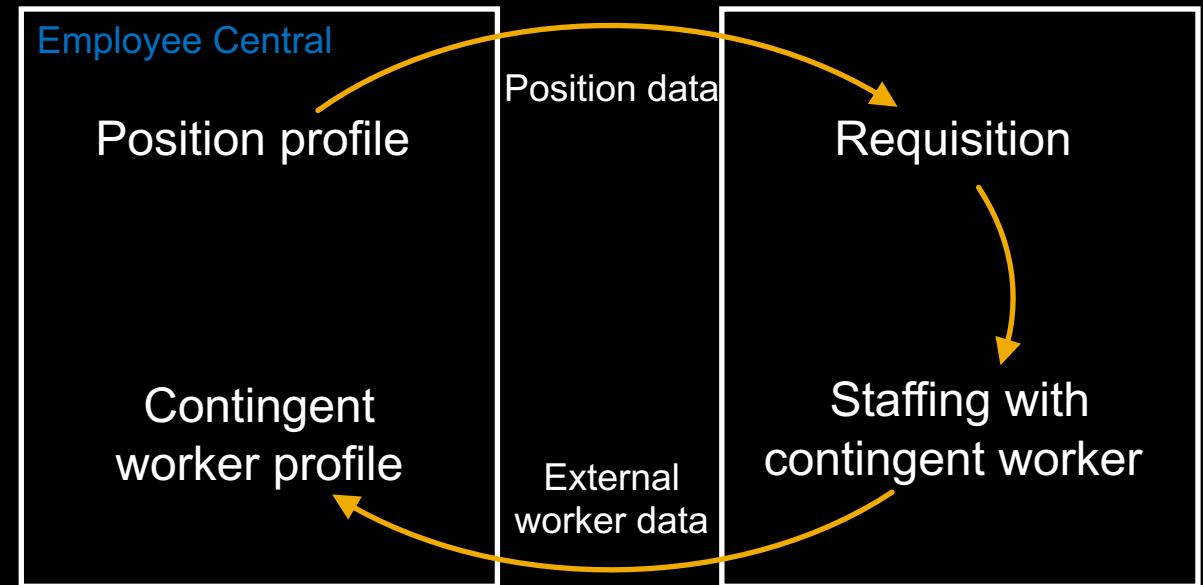
From vacation position initiate a requisition for hiring permanent employee in Recruiting or for sourcing external worker through SAP Fieldglass

### Centrally Manage Your Entire Workforce

SAP SuccessFactors, SAP Fieldglass, SAP S/4HANA Cloud, and SAP Cloud Platform help to apply business and talent management principles to the entire workforce and to manage all talent in a unified way.

SAP SuccessFactors 

SAP Fieldglass 

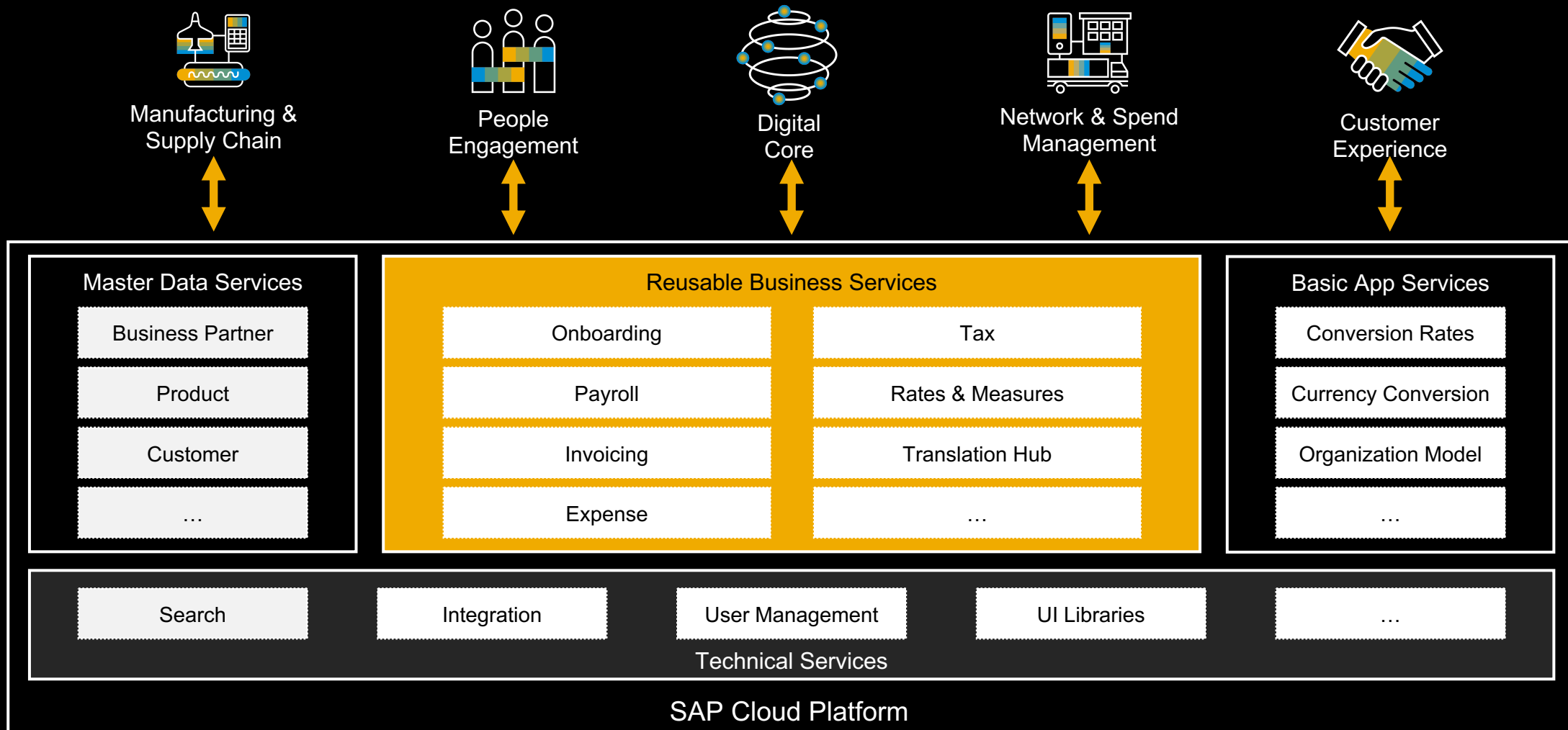


Managing and analyzing the total workforce


# Reusable Business Services for the Intelligent Suite

Evolve SAP Cloud Platform into a Business Process Platform

OUT-OF-THE-BOX  
INTEGRATION

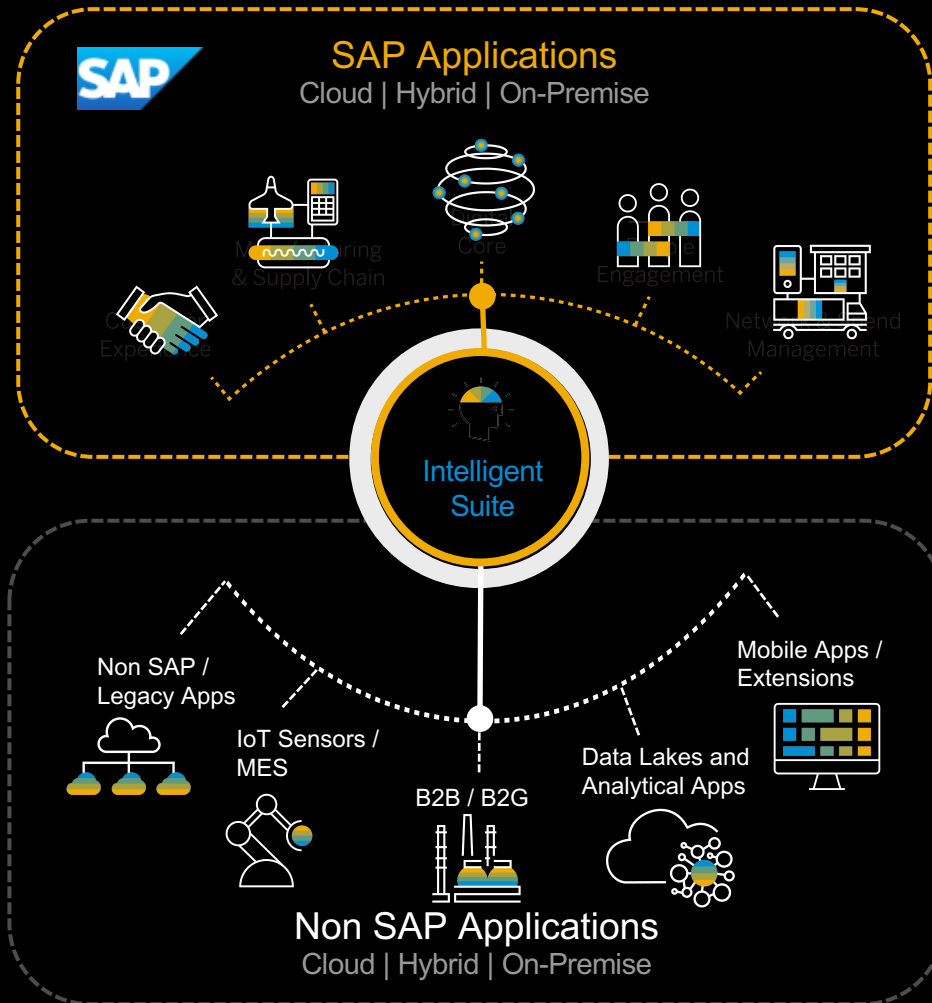
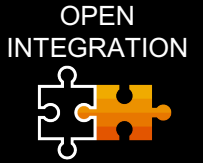


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# Integration Beyond SAP

## Intelligent Suite as part of a Hybrid Customer Landscape



### Hybrid Customer Landscape

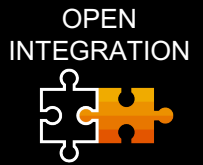
- Challenge: Very heterogenous landscapes
- Openness and modularity is key
- Digital Platform: SAP Cloud Platform and the SAP Data Hub provide exhaustive capabilities to integrate any third party application, data source or real-world objects

### Examples

- SAP Cloud Platform Open Connectors
- SAP Intelligent Robot Process Automation
- SAP Cloud Platform Integration Advisor

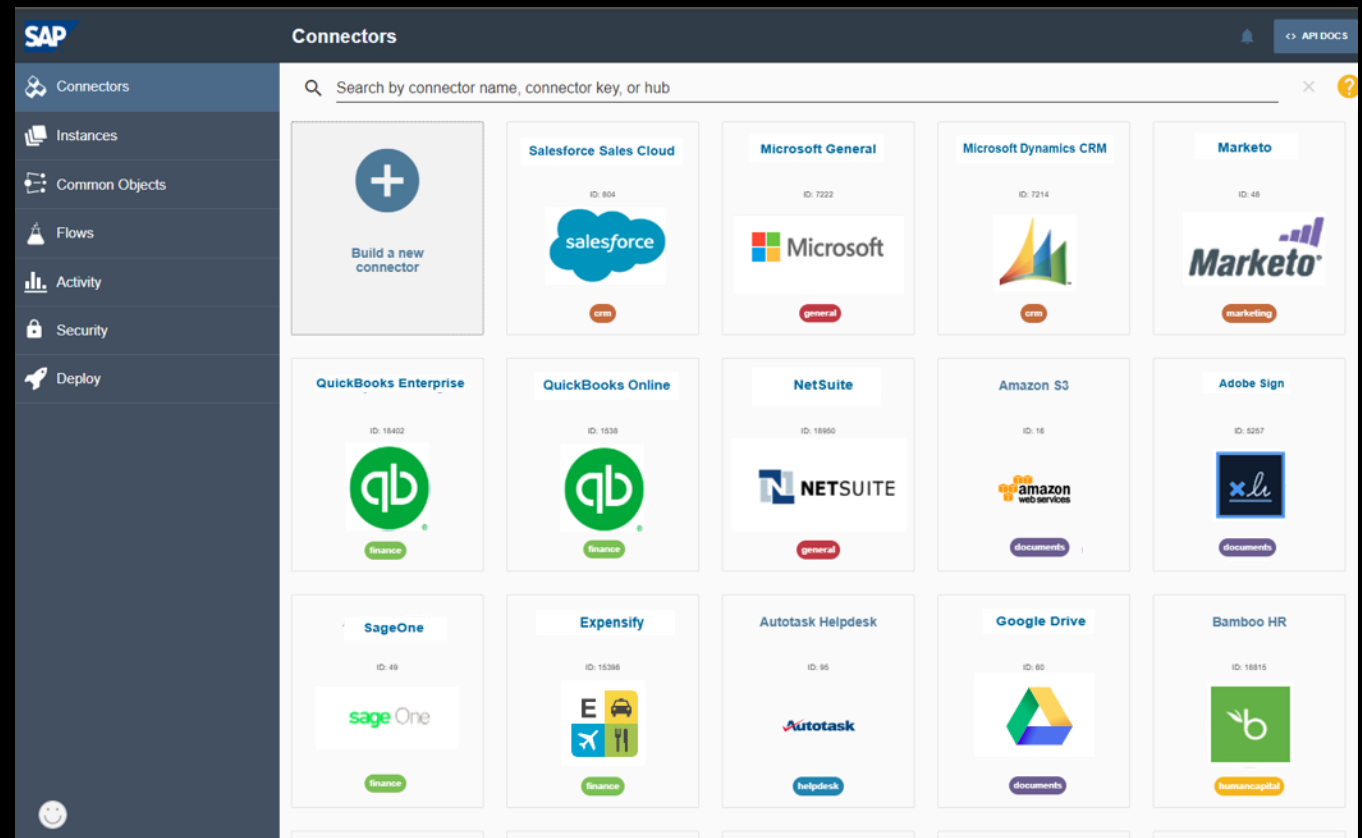
# Accelerated Integration of Non-SAP Applications

## SAP Cloud Platform Open Connectors



**SAP Cloud Platform Open Connectors** providing feature rich, pre-built connectors to over 160 non-SAP cloud or on-premise applications

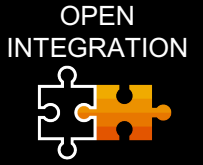
- Out of the box connectivity to 3rd Party APIs via harmonized RESTful APIs
- Develop and map canonical data model to extend pre-built connectors
- Easily build API composition across connectors
- Built-in API documentation in Open API Spec





# Automatically replicating tedious actions across the Intelligent Suite

## SAP Intelligent Robotic Process Automation



SAP® S/4HANA  
SAP S/4HANA Cloud  
SAP C/4HANA  
SAP Ariba  
SAP SuccessFactors  
SAP Concur  
SAP Fieldglass

SAP Leonardo Intelligent Technologies



Capture the process flow



Assemble skills to bots



Mimic the user and repeat




Check health and expedite

- ✓ Third-party tools
- ✓ Non-SAP systems
- ✓ Legacy applications
- ✓ Web applications
- ✓ Internet portals



## SAP® Cloud Platform

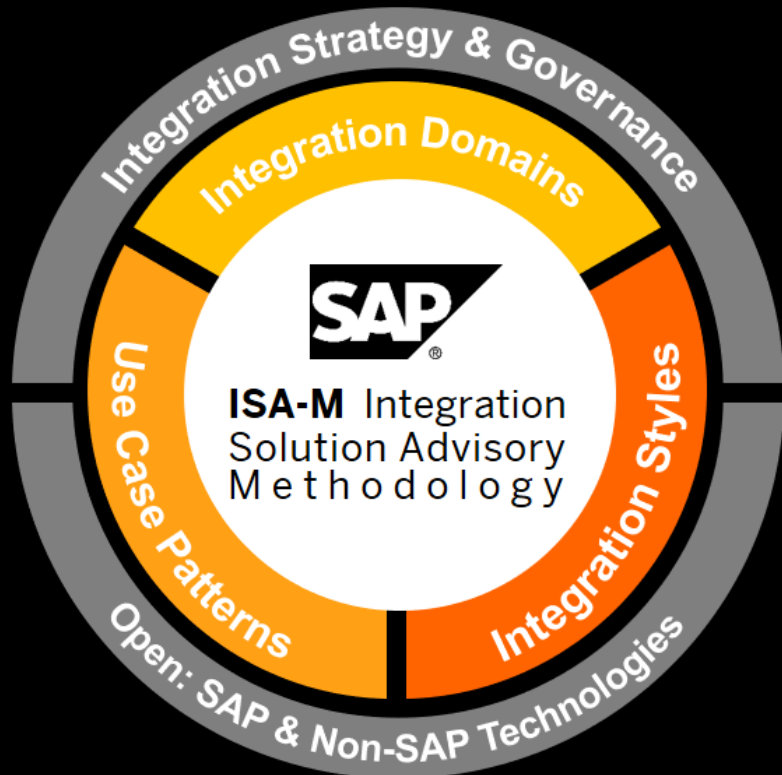
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# Integration Solution Advisory Methodology (ISA-M)

Simplify Integration by a Systematic Approach

HOLISTIC  
INTEGRATION



## Overview

- Helps enterprise architects to shape their integration strategy
- Collection of typical integration styles and patterns
- Mapping to integration services (based on customer context)
- Open to SAP and Non-SAP integration technologies

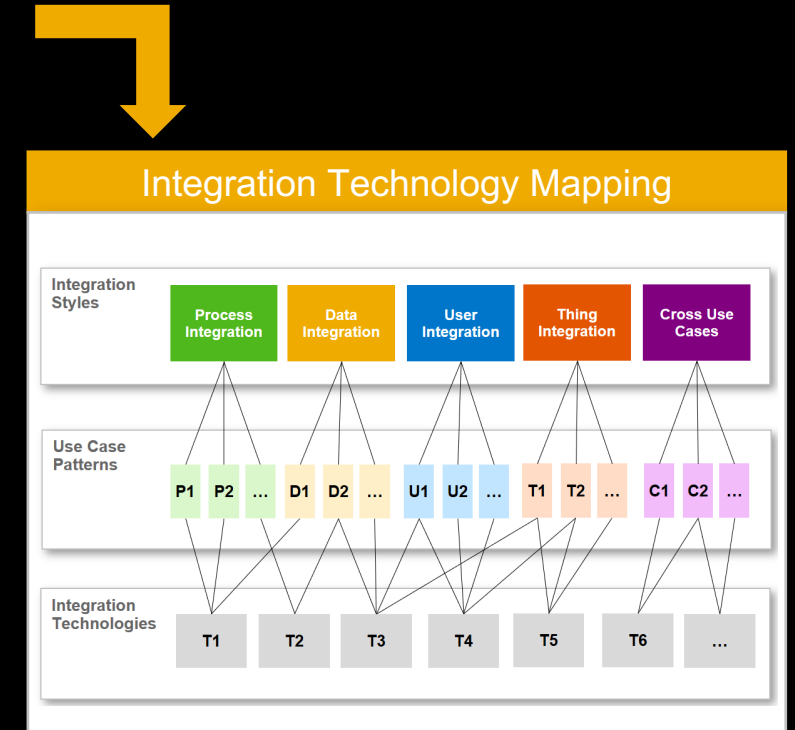
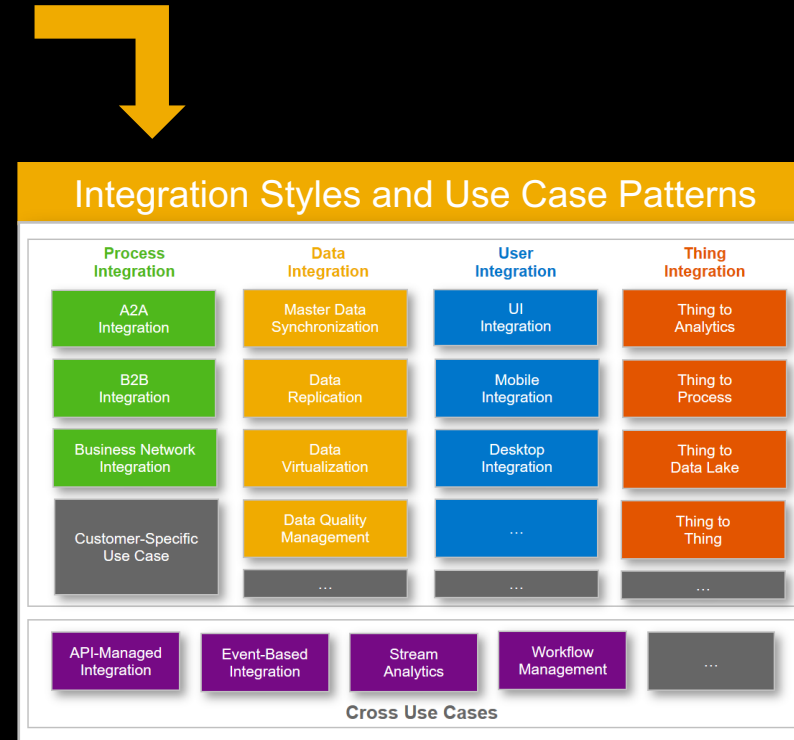
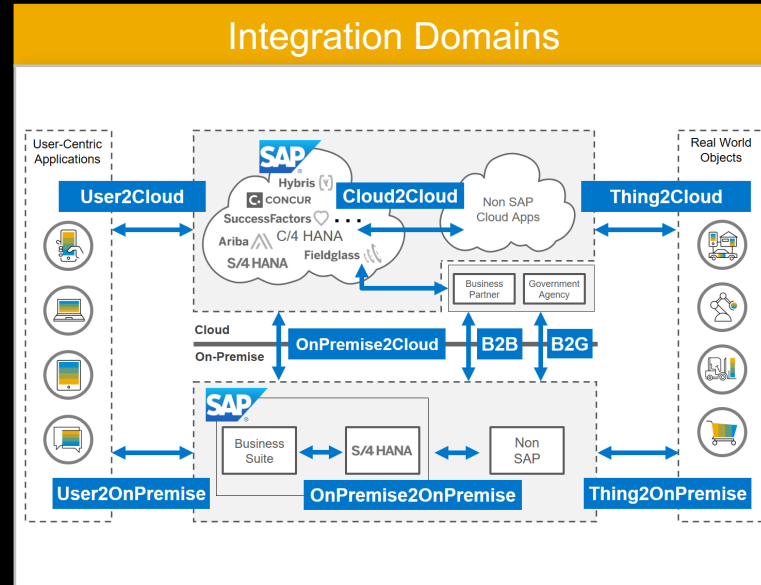
## ISA-M Template

- Free PPT template available
- Successfully adopted in multiple global organizations
- SAP Consulting Services (optional)
- +900 registered customers, partners and SAP consultants

# Integration Solution Advisory Methodology (ISA-M)

## Simply Integration by a Holistic Integration Approach

HOLISTIC  
INTEGRATION



# UX Integration for a consistent experience

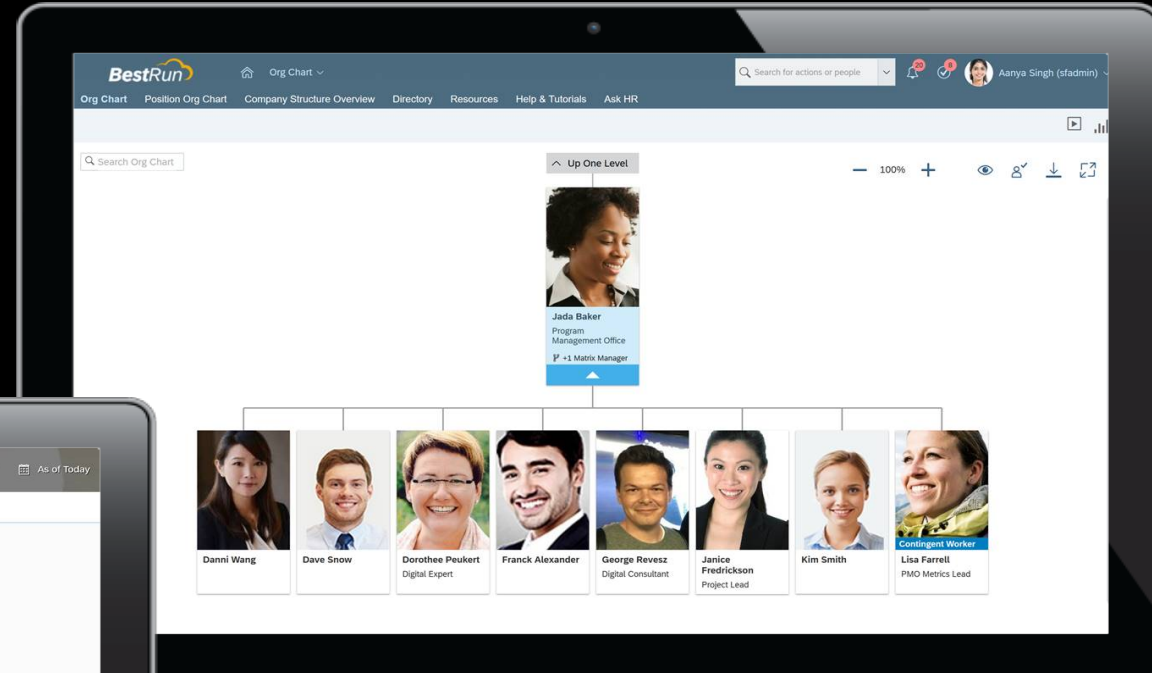
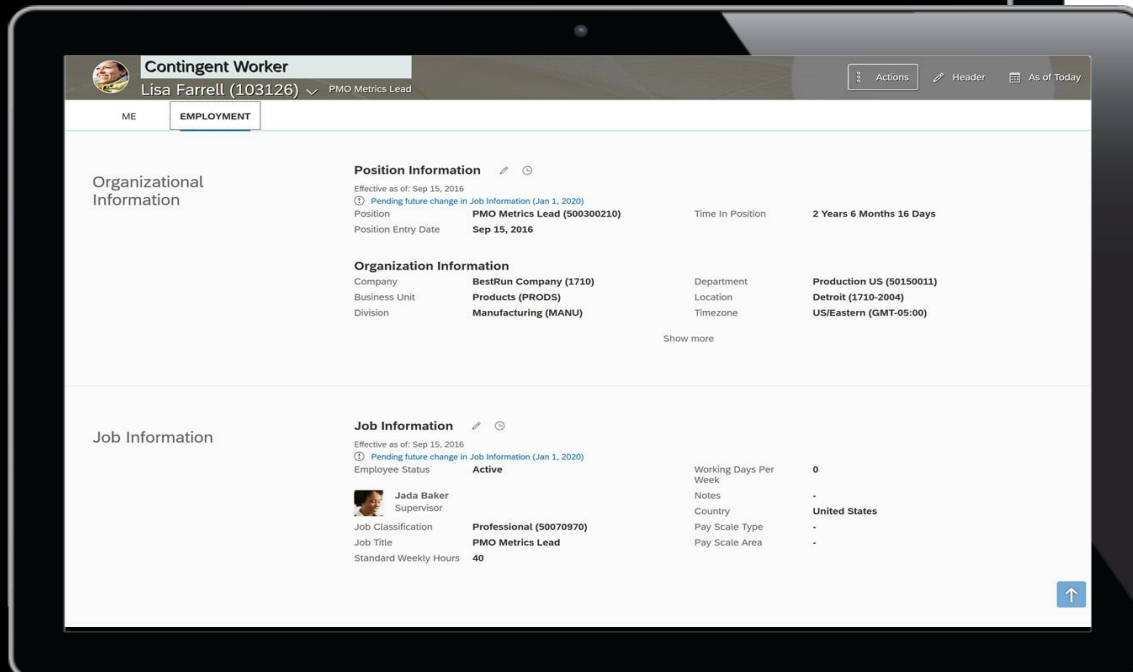
## Example: Total Workforce Management

HOLISTIC  
INTEGRATION



### Inclusion and Visibility

- Making external workers visible to everyone and expanding the reach of select HR practices:
- Contingent worker profile in SAP SuccessFactors Employee Central, display in org chart, people search

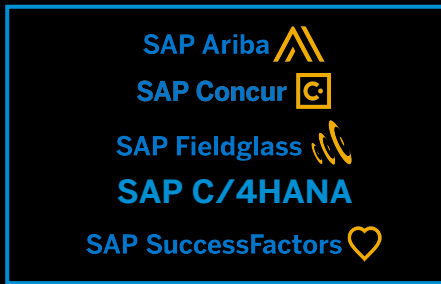




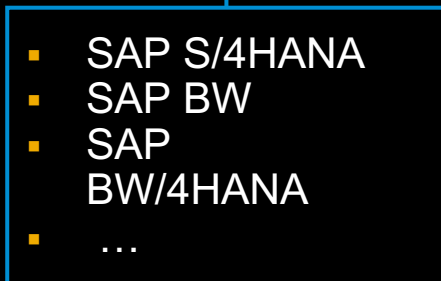
# Analytics Integration: Embedding Analytics into SAP Applications

## 360° Cross-Analytics for the Intelligent Enterprise

HOLISTIC  
INTEGRATION



*SAP content and connectivity*



Partner Data like  
Benchmarks

*3<sup>rd</sup> party content and connectivity*

3<sup>rd</sup> party apps and  
data

# SAP<sup>®</sup> Analytics Cloud

# Suite-wide reporting and insights enabled by SAP Analytics Cloud

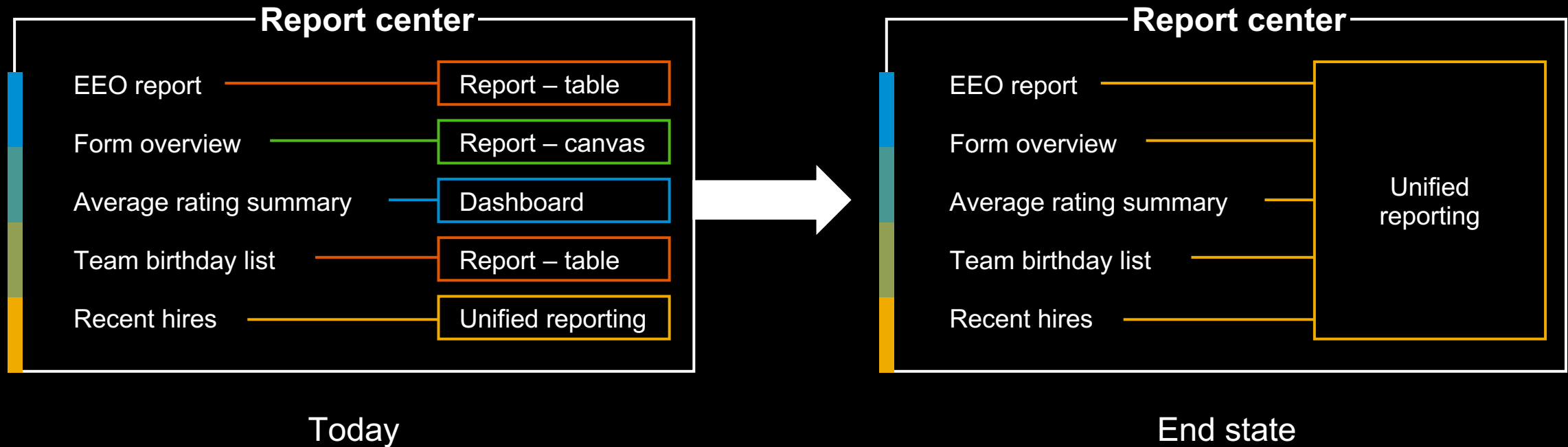
## Example: SAP SuccessFactors

- Live SuccessFactors data
- Intuitive and guided
- Beautiful visualizations
- Accelerated
- Interactive




# What is the impact to my end users?

Example: SAP SuccessFactors



\*LMS plateau report designer reports not included in report center – found through standard LMS navigation

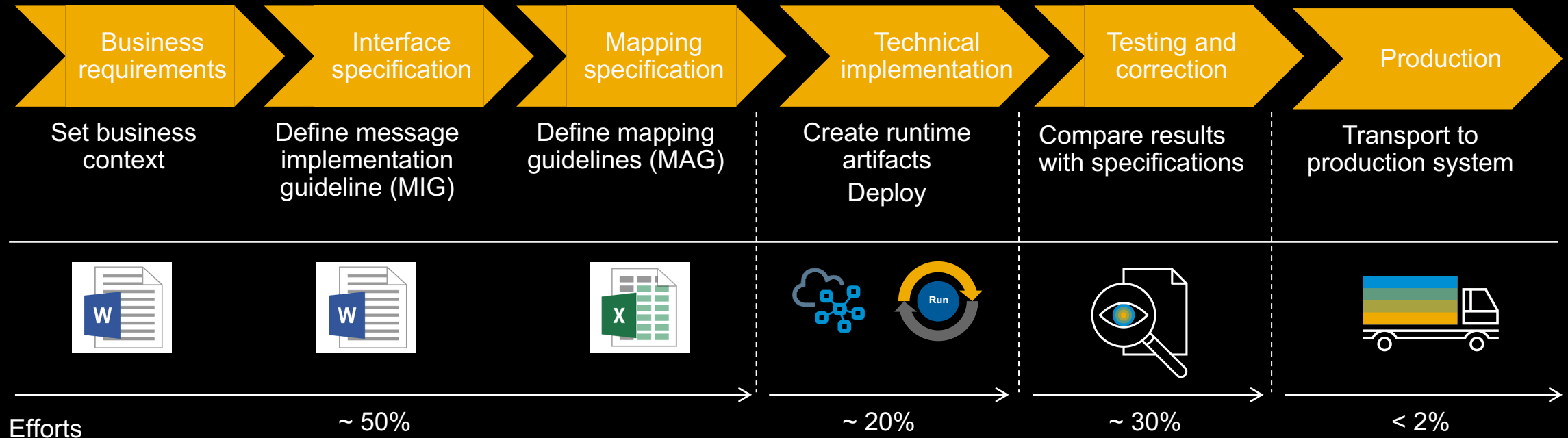
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# Typical E2E Flow for Integration Content Development

Key Effort is the Semantic Definition of Integration Mappings

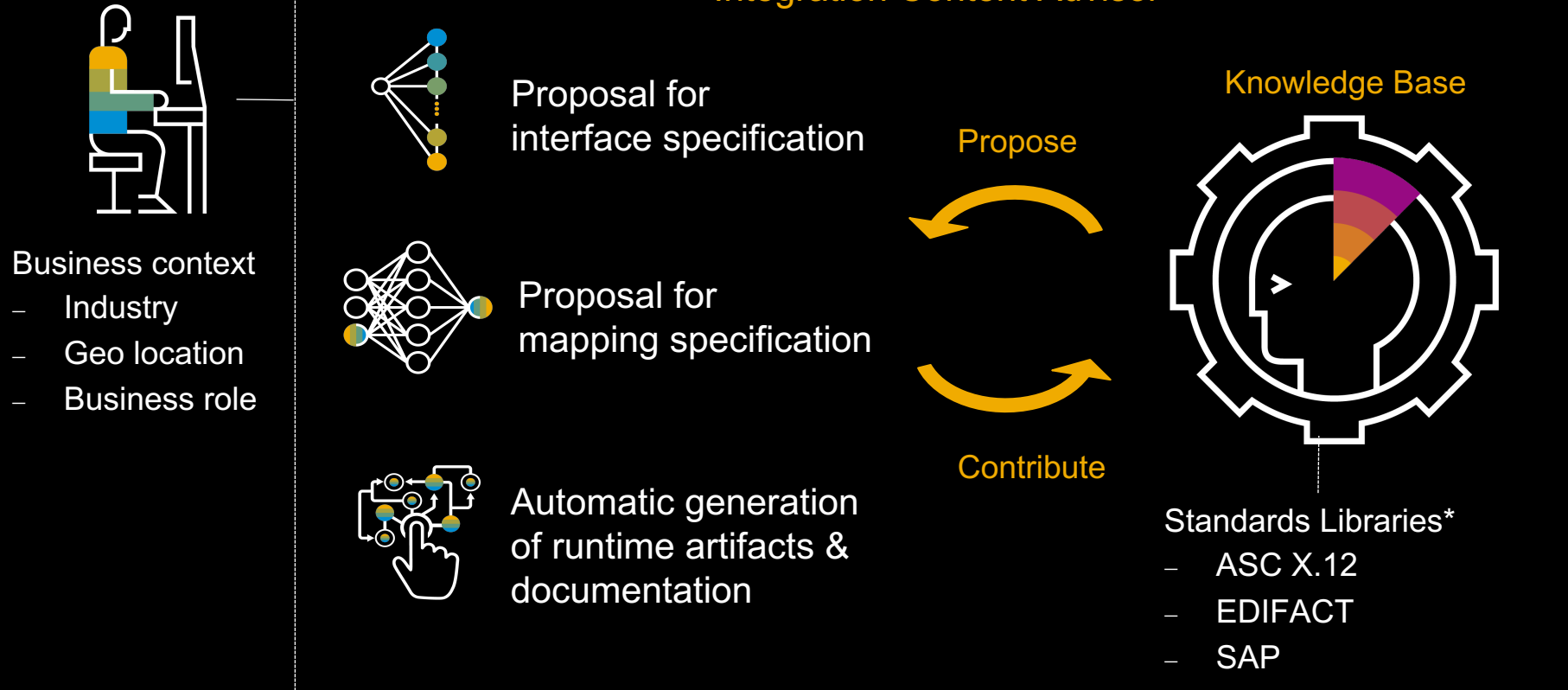


“Only 5% of the interface is a function of the middleware choice.  
The remaining 95% is a function of application semantics.”

Source: Gartner Group

# Machine Learning meets Crowd Sourcing

Example: SAP Cloud Platform Integration Advisor



Leverage machine learning and crowd sourcing to reduce interface implementation efforts by 60% or more.

# Intelligent Technologies for End-to-End Automation

## SAP Intelligent Robot Process Automation

AI-DRIVEN  
INTEGRATION



### Interact

#### Conversational AI (CAI)

Chatbots to interface and hand-over to execution bot



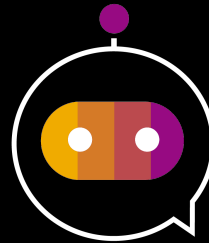
Interfacing



### Execute

#### Intelligent RPA

Multiple bot workflows for execution (attended +unattended)



Performing Tasks



### Optimize

#### Machine Learning (ML)

Self-learning bots with dynamic adaptability



Learn from exceptions



**SAP Intelligent RPA seamlessly integrated**



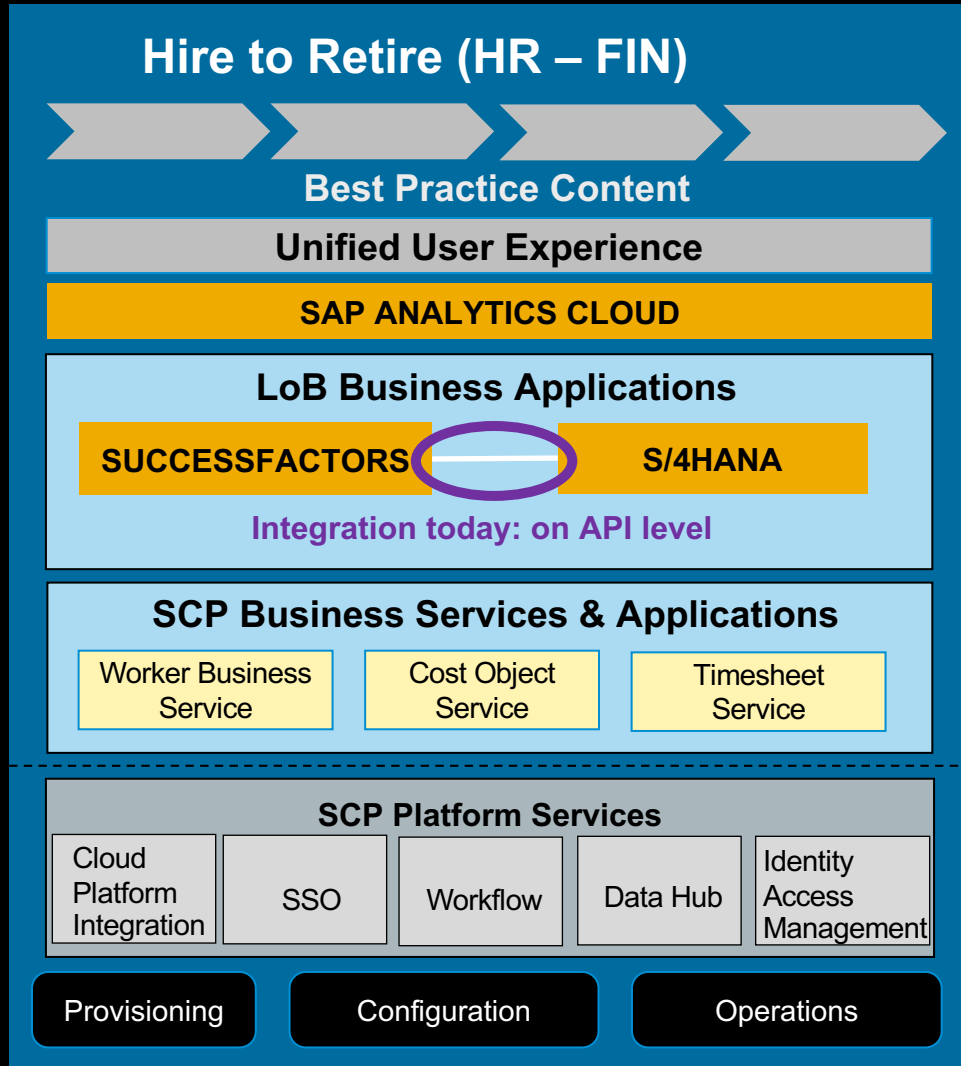
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# Delivering Integrated Business Processes

Example: Hire-to-Retire subprocess of Total Workforce Management

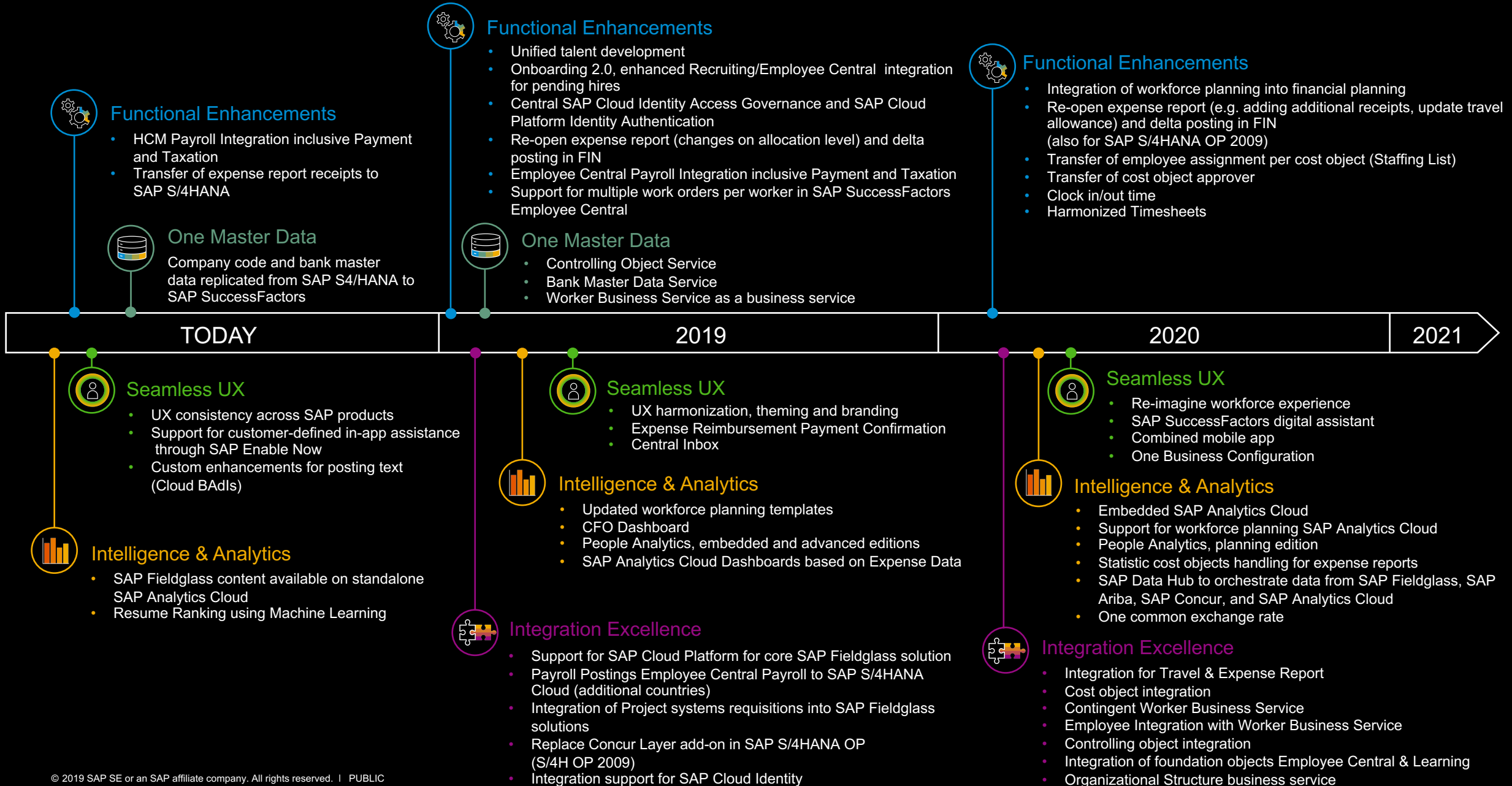


**Integrated Business Processes go beyond an integration on API level!**


- They drive end-to-end integration across the whole stack. From UX down to domain model into the applications and technology.
- From integration through data exchange to integration through data sharing based on reusable business services
- End-to-End Business Process Documentation (descriptive and executable) available on SAP API Business Hub.

# Total Workforce Management Roadmap Excerpt

Update from SAPHIRE NOW



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# SAP Integration Strategy for the Intelligent Enterprise

## Key Takeaways

1

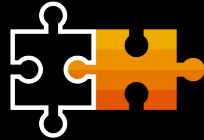
OUT-OF-THE-BOX  
INTEGRATION



SAP provides integrated E2E business processes including plug-and play integrations enabled by a standardized application and technology portfolio.

2

OPEN  
INTEGRATION



SAP provides exhaustive third party integration capabilities supported by its partner ecosystem. Public API's allow any type of custom extensions.

3

HOLISTIC  
INTEGRATION



SAP covers all flavors of integration (Process, B2B, Data, UX, Analytics, IoT). A methodology helps customers to shape their integration strategy.

4

AI-SUPPORTED  
INTEGRATION



SAP is investing into simplification of the E2E integration experience. AI techniques will be embedded into next generation services.

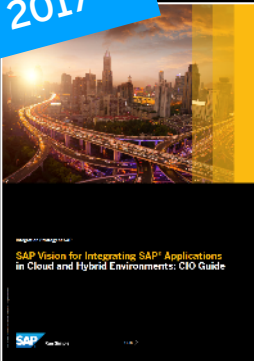
**Q & A**

# Appendix

# CIO Guides for Integration

Two Complementary Guides for Enterprise Architects

2017



## SAP Vision for Integrating SAP Applications in Cloud and Hybrid Environments

- Describes SAP's long term Vision for Integration
- Key Integration Use Cases
- API Alignment
- Process Integration Guidance
- Data Integration Guidance

<https://www.sap.com/documents/2017/05/eebd96bd-b97c-0010-82c7-eda71af511fa.html>

2018



## Process and Data Integration in Hybrid Landscapes

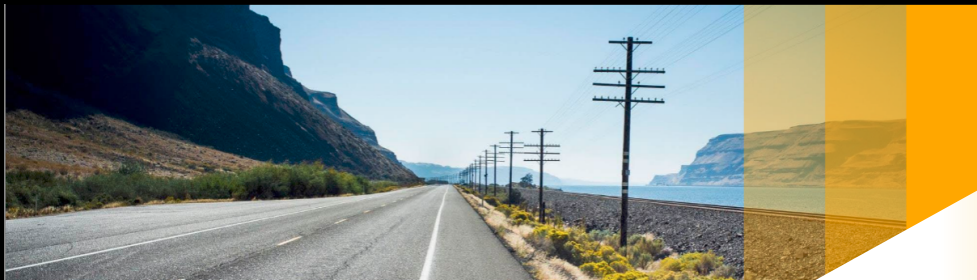
- Refined Guidance for Process, B2B and Data Integration
- Integration Solution Advisory Methodology (ISA-M)
- SAP API Strategy
- Integration Automation
- SAP S/4HANA Transition Guidance

<https://www.sap.com/documents/2018/06/de3238a0-077d-0010-87a3-c30de2ffd8ff.html>

# SAP Application Integration Roadmaps

## Common Roadmap

## OUT-OF-THE-BOX INTEGRATION



## SAP Road Map for Cloud Integration

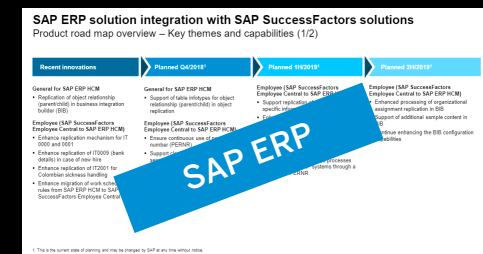
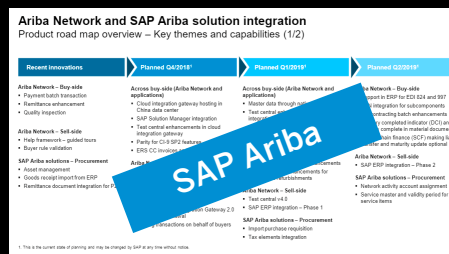
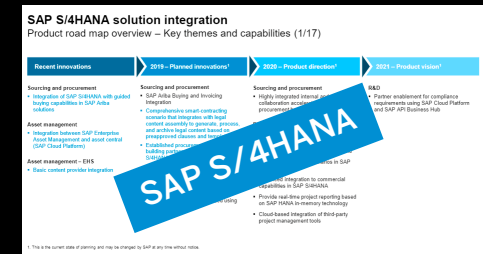
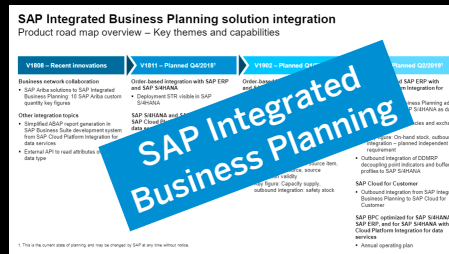
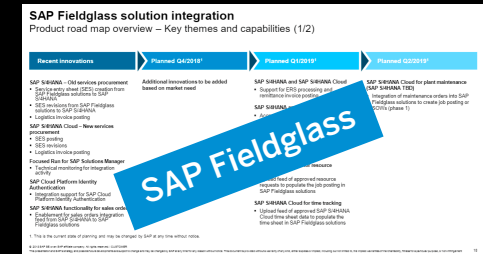
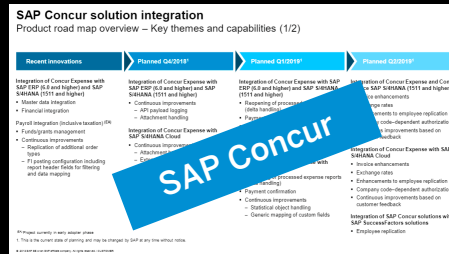
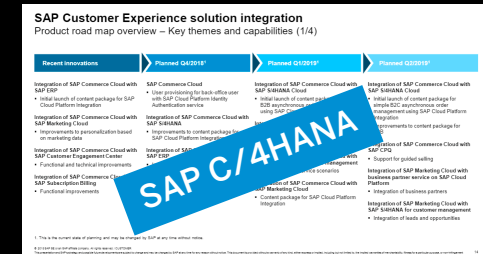
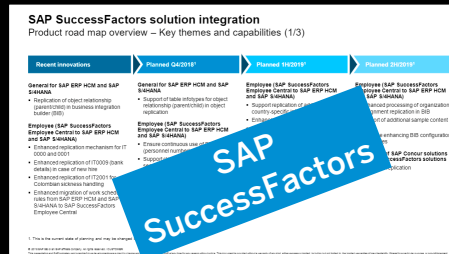
October 2018

CUSTOMER



<https://www.sap.com/products/roadmaps>

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# Thank you.

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