SAP PO to SAP Integration Suite:

Why and How, Migration Factory

Center of Excellence
Business Technology Platform
EMEA North

Abhijeet
Center of Excellence for BTP, EMEA North

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What is SAP's Integration Strategy?

Deep-dive integration strategy

- Integration in the cloud is a key pillar of SAP's strategy, and
- A strategic corporate priority for SAP executive leadership

"Integration Makes All the Difference" – Blog

Integration strategy paper with road map

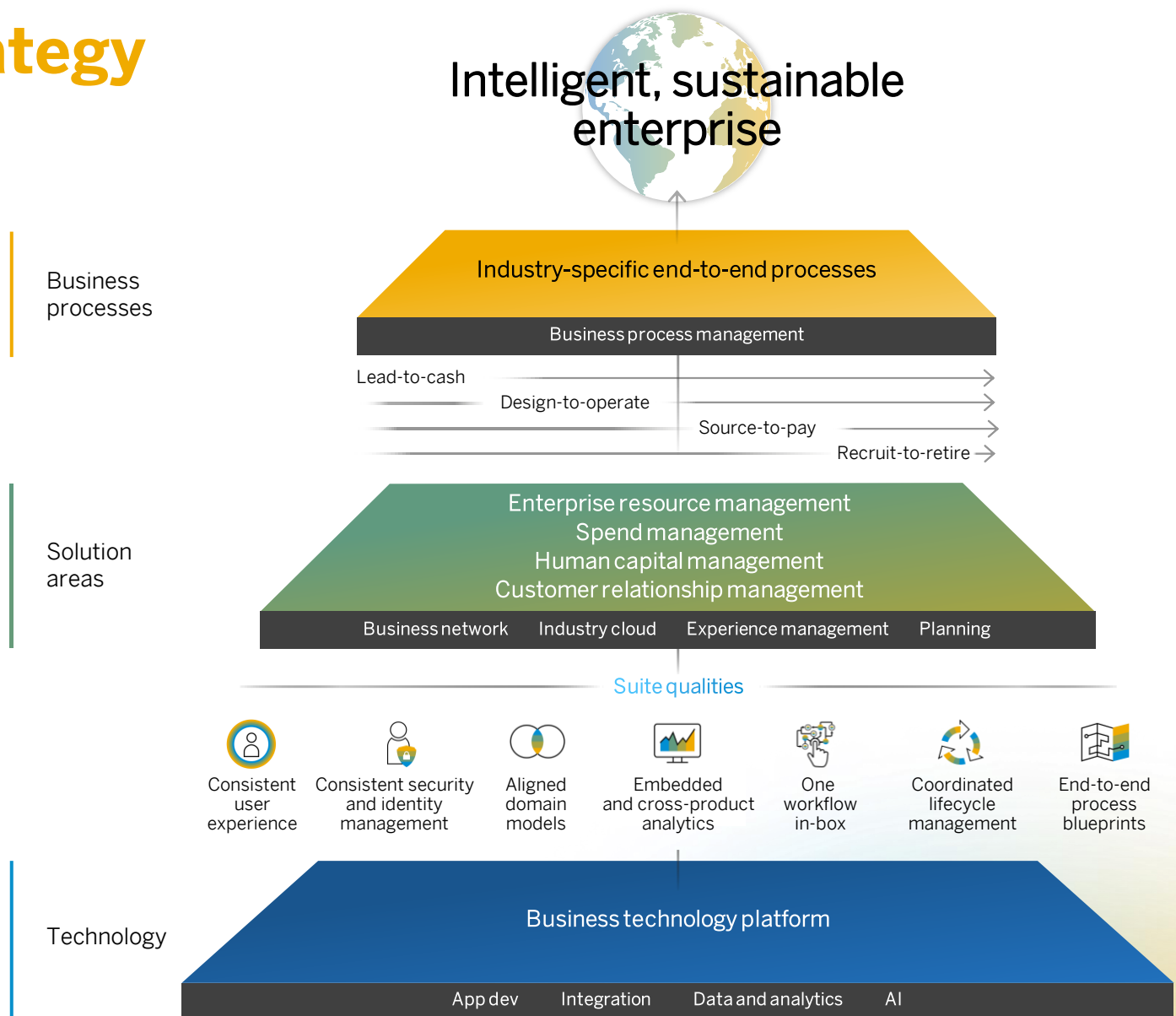## Christian Klein
CEO and Member of the Executive Board of SAP

Jürgen Müller
CTO and Member of the Executive Board of SAP, Technology & Innovation

Thomas Saueressig
Member of the Executive Board of SAP, SAP Product Engineering

Intelligent, sustainable enterprise

Business processes

Industry-specific end-to-end processes

Business process management

Lead-to-cash
Design-to-operate
Source-to-pay
Recruit-to-retire

Solution areas

Enterprise resource management
Spend management
Human capital management
Customer relationship management

| Business network | Industry cloud | Experience management | Planning |

Suite qualities

Consistent user experience | Consistent security and identity management | Aligned domain models | Embedded and cross-product analytics | One workflow in-box | Coordinated lifecycle management | End-to-end process blueprints

Technology

Business technology platform

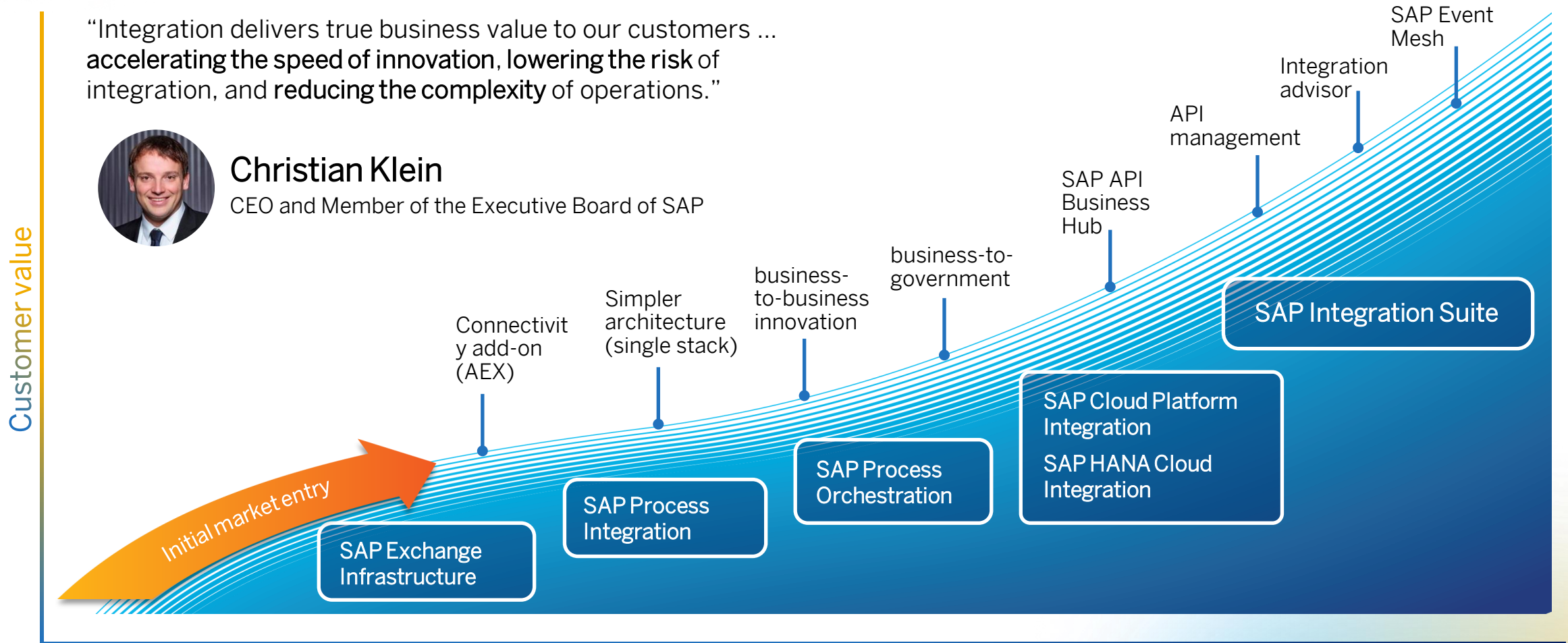| App dev | Integration | Data and analytics | AI |

SAP's investment in integration
A history of continuous innovation

"Integration delivers true business value to our customers … **accelerating the speed of innovation**, **lowering the risk** of integration, and **reducing the complexity** of operations."

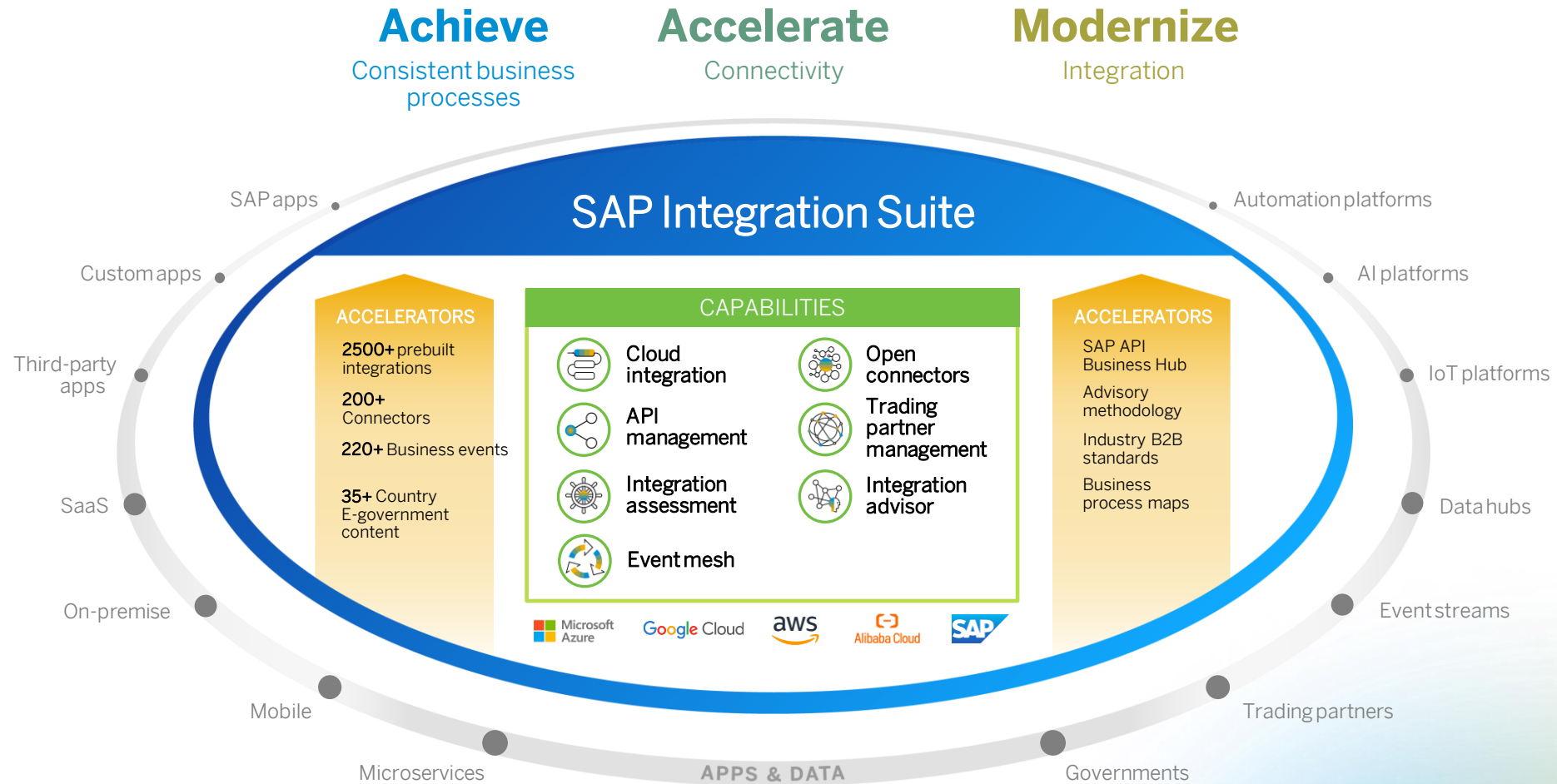### Christian Klein
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Customer value

Initial market entry

Connectivity add-on (AEX)

Simpler architecture (single stack)

business-to-business innovation

business-to-government

SAP API Business Hub

API management

Integration advisor

SAP Event Mesh

SAP Integration Suite

SAP Cloud Platform Integration

SAP HANA Cloud Integration

SAP Process Orchestration

SAP Process Integration

SAP Exchange Infrastructure

2003

TODAY

SAP Integration Suite
Open. Holistic. Enterprise-grade.

Achieve
Consistent business processes

Accelerate
Connectivity

Modernize
Integration

SAP Integration Suite

SAP apps
Custom apps
Third-party apps
SaaS
On-premise
Mobile
Microservices

Automation platforms
AI platforms
IoT platforms
Data hubs
Event streams
Trading partners
Governments

ACCELERATORS

2500+ prebuilt integrations

200+ Connectors

220+ Business events

35+ Country E-government content

CAPABILITIES

Cloud integration

API management

Integration assessment

Event mesh

Open connectors

Trading partner management

Integration advisor

Microsoft Azure
Google Cloud
aws
Alibaba Cloud
SAP

ACCELERATORS

SAP API Business Hub

Advisory methodology

Industry B2B standards

Business process maps

APPS & DATA

Achieve end-to-end business processes across SAP and third-party systems

SAP Customer Experience   Magento   Shopify

Amazon Services   HubSpot   Zoho   Marketo

Salesforce Sales Cloud   Zendesk   NetSuite

SAP Ariba   GEP   Coupa

Blue Yonder   Mercateo

SAP SuccessFactors   **SAP Concur**   **SAP Fieldglass**

Kronos   Automatic Data Processing (ADP)

Alight   Oracle Human Capital Management

Workday   LinkedIn

SAP Integration Suite

SAP

RISE WITH SAP

Lead-to-cash

Issue-to-resolution

Source-to-pay

Payment integration

Hire-to-retire

Digital compliance, business-to-business (B2B)

Acquire-to-Decommission

Snowflake   Teknoleum   Paradata

SAP Customer Experience   JIRA   ServiceNow

Salesforce Service Cloud   Freshdesk   ServiceMax

QuickBooks   FreshBooks   Vertex

Tipalti   Microsoft Dynamics   Sage

DocuSign   Adobe Sign

UN/EDIFACT

UNECE   ASCX12

Fully maintained and updated by SAP

2500+
Prebuilt integrations

220+
Business events

Modernize integration to power your transformation journey

SAP Integration Suite

POWERING SAP BTP

Point-to-point

Standardized

SAP Process Orchestration

SAP Process Integration

End-to-end integration

Process and data everywhere

Faster

Packaged integrations

Intelligent assistants

Fully-managed

Open platform

With greater flexibility

Flexible commercials

Versatile integration

Multi-cloud deployment

While safeguarding existing investments

Phased migration

Skills reuse

Lifecycle management

SAP Build Process Automation

Achieve end-to-end-process integrations faster at a lower TCO

Hybrid integration strategy from SAP

SAP continues to support SAP Process Orchestration software to protect investments and support a smooth and safe transition to SAP Integration Suite.

The mainstream maintenance of SAP Process Orchestration 7.5 has been continued until the end of 2027. Extended maintenance can be provided until the end of 2030.

Recommended actions to customers today:

Move to SAP Process Orchestration 7.5, the long-term supported release as previous versions went out of maintenance at the end of 2020.

Complement it with SAP Integration Suite for agile integrations and leverage the cloud integration runtime within SAP Process Orchestration.

SAP API Business Hub
2500+ pre-built integration packs | 3000+ APIs | 280+ events
230+ connectors to SAP and non-SAP cloud apps

Integration Assessment
Shaping and execution of your integration technology strategy

Cloud Integration
End-to-end
process integration

Integration Advisor | TPM
Manage B2B scenarios and AI-based integration

API Management
Expose your data as APIs, manage the end-to-end lifecycle

Graph
One connection to your business data

Event Mesh*
Sense and respond to business events

Open Connectors
Accelerate connectivity to non-SAP applications

SAP   Microsoft Azure   AWS   Alibaba Cloud   GCP

Edge Integration Cell

Fully-managed multi-cloud offering

On-premise / private cloud runtime

* Option to add SAP Integration Suite, advanced event mesh

SAP Process Orchestration

SAP PROCESS INTEGRATION

Future-proof your integration strategy with SAP Integration Suite
Move to SAP Integration Suite with cloud transition

Future-Proof Your Integration Strategy with SAP Cloud Platform Integration Suite

A Guide to Supporting Hybrid Landscapes with a Modern Integration Platform

Figure 1 SAP Cloud Platform Integration Suite for hybrid and heterogeneous environments

[SAPinsider](#) article and [blog](#)

Future-proof your strategy: Build new agile integrations with SAP Integration Suite

- 2500+ integration packs for SAP and third-party software
- API-based and event-driven integration patterns
- 200+ connectors to support integration in increasingly heterogenous landscape (technical and application connectors)
- Web-based, easy-to-use development environment and flexible pipeline

Move existing integration scenarios to SAP Integration Suite as part of SAP S/4HANA and the RISE with SAP solution

- Move away from custom-developed integrations to standard integrations delivered and maintained by SAP
- Reuse assets: Auto-import of mappings to reduce up to 50% of integration work; other assets with APIs*
- Get help with migration guidelines and methodology

Use for on-prem-to-on-prem scenarios

- Planned: Integration suite edge integration cell – hybrid deployment of runtime agent

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* Tools Beta launch in Q4 2022

Next-generation hybrid integration runtime
Extend SAP Integration Suite in customer environments

SAP Integration Suite

Coherent User Experience

API Mgmt. | Cloud Int. | Event Mesh | Open Connectors

R ↓ Manage

Edge Integration Cell
API Mgmt. | Process Int. | Event Broker

Cloud
SAP Cloud Application

Non-SAP Cloud Application –
B2B –
Biz. Network –
B2G

On-Premise
SAP on-premise Application

Non-SAP on-premise Application

Ground-to-Ground Integration
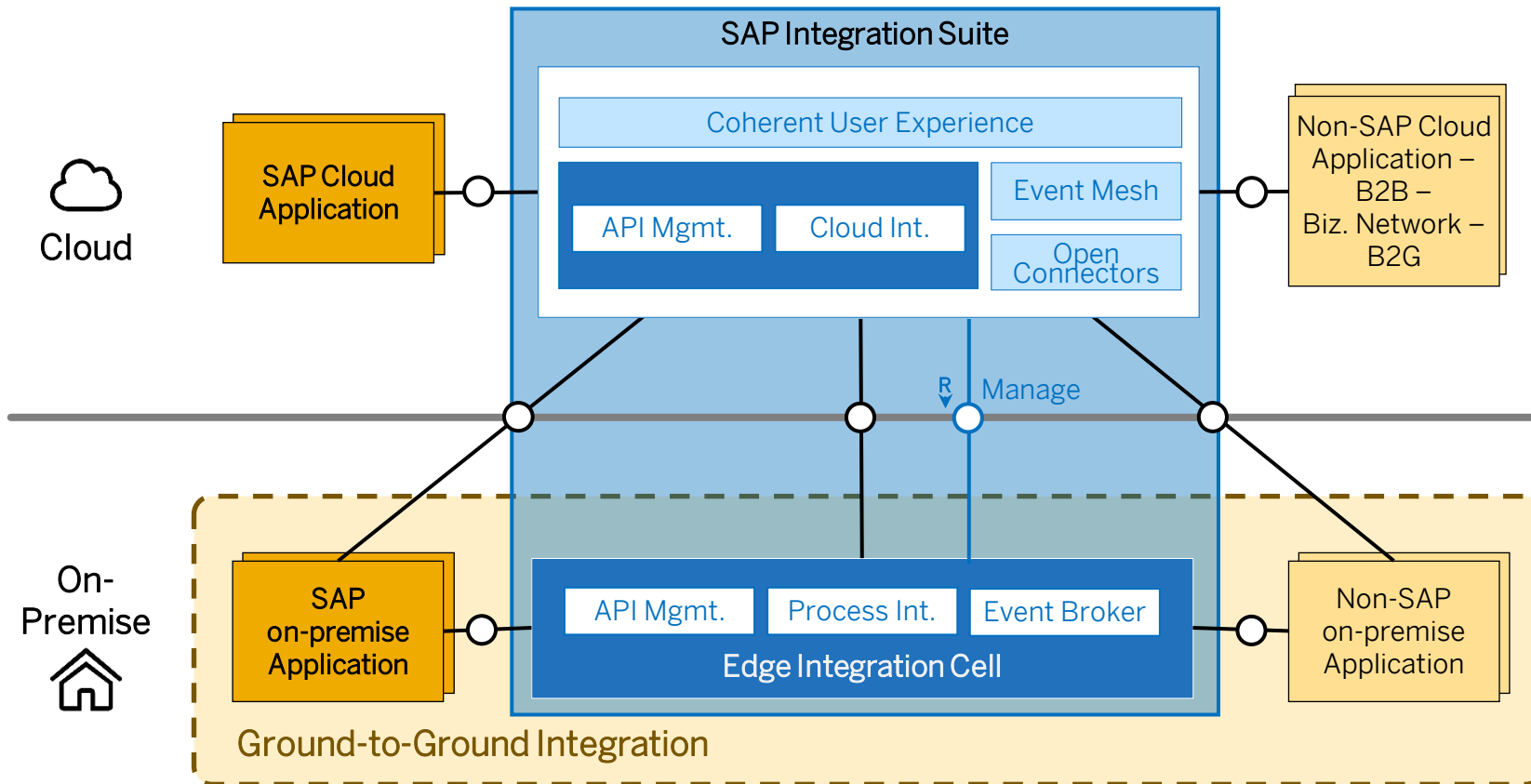
Hybrid operations

Installation, system monitoring and software update by customer

Design, configuration and message monitoring in cloud

Remote API's for custom integration in existing on-premise monitoring and operations tooling

Integration flow execution on-premise

Existing integration flows can be re-used

Add new integration flows for on-premise execution

Add API policies as configurations to integration flows

API-managed integrations

Full lifecycle of APIs

Expose legacy interfaces as modern API's

Execute API policies & mediations on-premise

Event bridge

Expose business events from SAP on-premise applications to SAP Event Mesh and/or third-party event brokers

How we move?
Transition options to SAP Integration Suite

Option 1
Complete migration
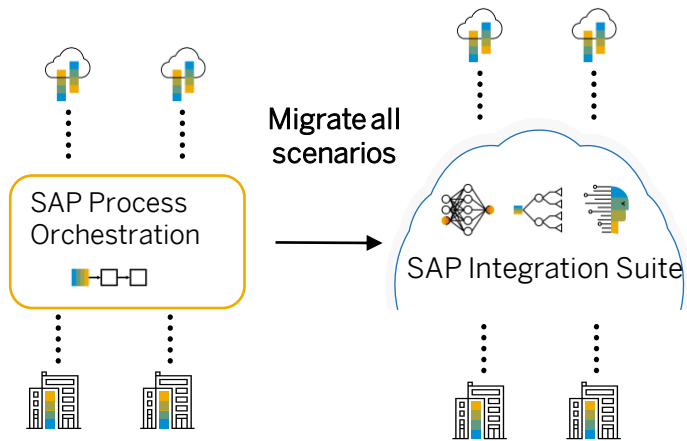
Option 2
Hybrid migration
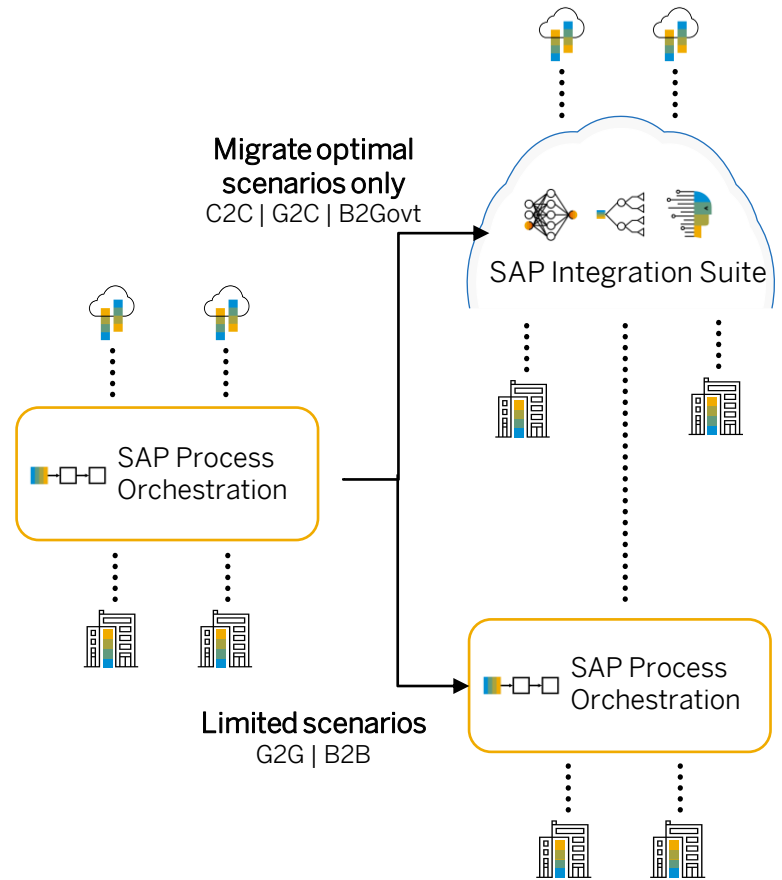
Future (Beta 2H 2022)
Hybrid (No PO)

Migrate all scenarios

SAP Process Orchestration

SAP Integration Suite

Migrate optimal scenarios only
C2C | G2C | B2Govt

SAP Integration Suite

SAP Process Orchestration

SAP Process Orchestration

Limited scenarios
G2G | B2B

Migrate all scenarios
C2C | G2C | B2B | G2G

SAP Integration Suite

SAP Process Orchestration

Container

Optimized "local" runtime
G2G

SAP Integration Suite Edge Integration Cell

Migration Guide for SAP Process Orchestration

What are the tools and services?

SAP and partners help customers modernize integration each step of the way.

Assess	Plan	Prepare	Migrate	Test	Go live

Self-service content and tools

SAP Migration Factory for SAP BTP

Support and services from SAP and partners

1 Self-service content to help customers through each step

2 Free assessment and planning (2–3 weeks)

3 Proven services and tools to simplify setup, implementation, and testing
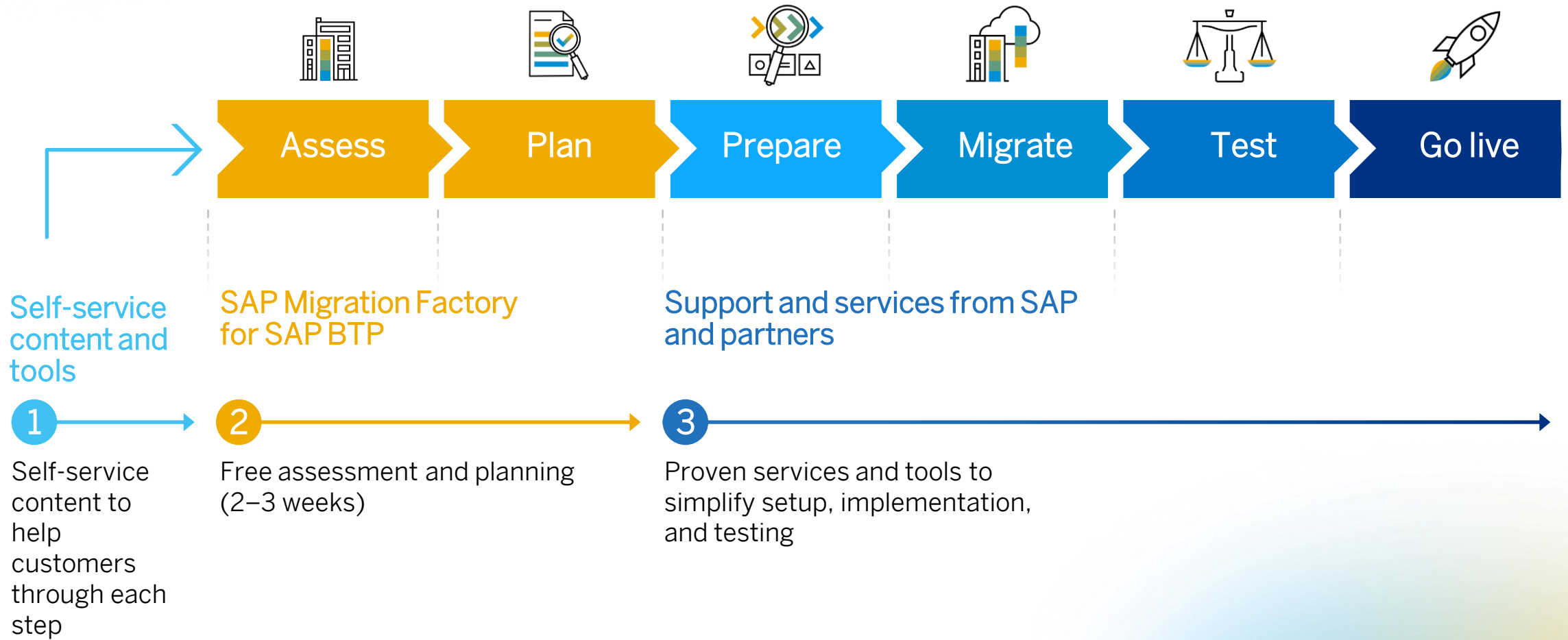
Self-service tools as part of the Interface Migration Strategy

Migration Assessment tool (beta launched in Sept 2022)

- Assess your current SAP Process Integration / SAP Process Orchestration landscape
- Estimate migration effort
- Check for technical showstoppers & provide possible workarounds

Migration tool (beta launched in Sept 2022)

- Automate the migration based on integration flow templates

Regression Test Tool

- Partner Solution from Figaf and INT4

Edge Integration Cell (planned beta by Q4.2022)

- Hybrid Runtime Deployment option for SAP Integration Suite

Migration assessment tooling from SAP*
Beta launched in Q3 2022

- Is planned as additional capability of SAP Integration Suite

- Automatically analyzes SAP Process Orchestration systems regarding migration to SAP Integration Suite (as-is migration) based on flexible rule framework

- Provides results containing migration status and t-shirt size for migration effort (S/M/L/XL)

- Highlights migration showstoppers and provides possible workarounds

- Has two assessment steps: data extraction (using cloud connector to SAP PO) , scenario evaluation

Shows in evaluation dashboard:

- Migration status

- Effort estimation

- Sender and receiver adapters

- List of integration scenarios

Export Result:

- PDF Report

- Excel Sheet
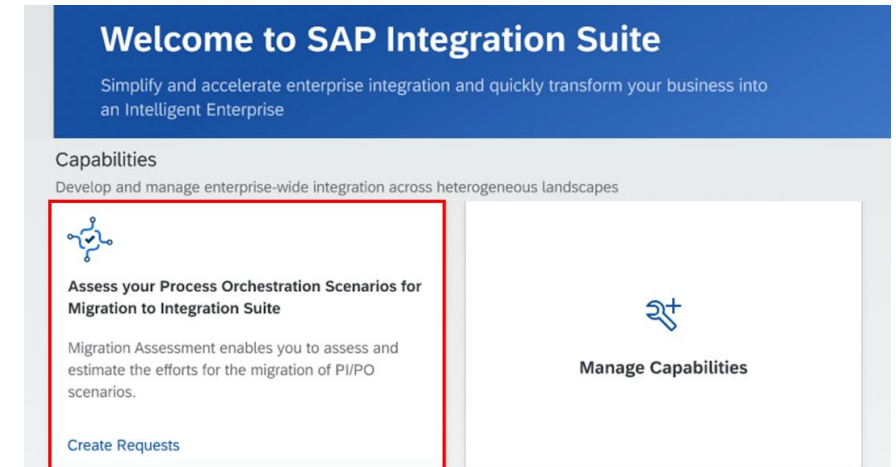
(Lab mock-ups – final product may look different)
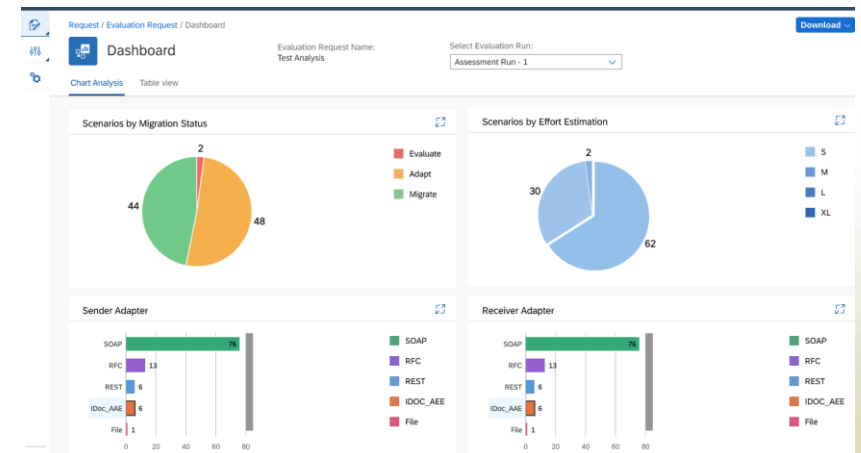
* Available with SAP Integration Suite, standard and premium editions

Automated migration tooling from SAP*

Beta launched in Q4 2022

- Planned as additional capability of SAP Integration Suite
- Scenario migration based on rule-and-template approach
  - Many scenarios that can be fully or partially migrated automatically, with remaining interfaces requiring manual effort or rework
  - Integration Flow templates represents the integration flow skeleton which is used to migrate the ICO/Integration flow to an integration flow of Cloud Integration
  - Automatic framework to identify fitting templates
  - More than one template can be applicable for a scenario
  - Default Template for the cases where the scenario is not migratable or templates not available for migratable scenarios
  - Templates availability will be a gradual process

(Lab mock-ups – final product may look different)

* Available with SAP Integration Suite, standard and premium editions

Automate integration regression testing

Accelerate your migration to SAP Integration Suite with SAP partner solutions

"**Testing** is a substantial part of the migration effort and it consumes somewhere around **60% to 65% of the overall migration effort**."[1]

PARTNERS

INT4   Figaf

CAPABILITIES

- Automate regression testing of integration flows

- Complement SAP's automated assessment & migration tooling

- Available on the SAP Store with **extended free usage period**

BENEFITS

Faster migration at a lower cost

Higher testing accuracy

Reduced burden on technical and functional teams

No business disruption

Reduce up to 50% of integration work
Import and Reuse mapping from ESR

1 Required roles to import and export ESR content
(SAP_XI_ADMINISTRATOR or SAP_XI_CONTENT_ORGANIZER)

2 Configure your Cloud Connector for the ESR system

3 Import and Reuse content from ESR

Content supported:

➢ Message Mappings

➢ Operation Mappings

➢ Service Interfaces

Note: ESR version 7.3 and onwards is supported.

Blog: Importing Message Mapping from ES Repository in SAP Cloud Integration
Troubleshoot: SAP Note 2681589
Restrictions apply in import capability : SAP Help Documentation
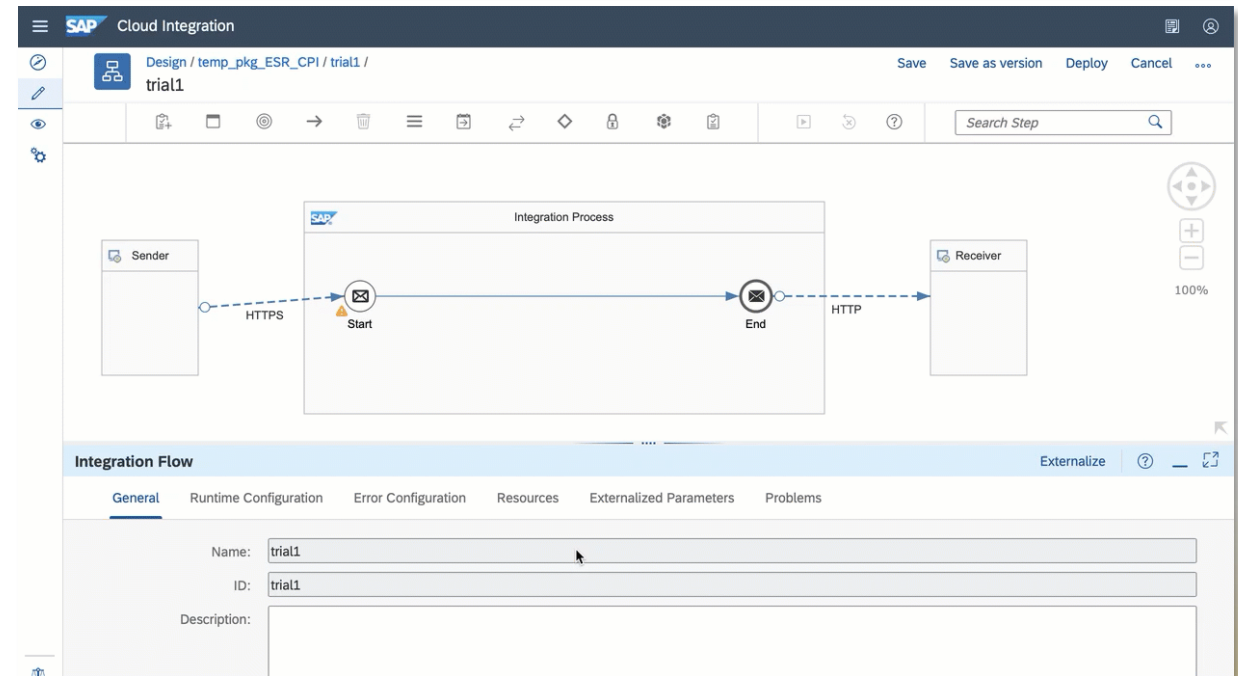
Best practices for moving existing integration scenarios to SAP Integration Suite

Guidelines to design enterprise-grade integration flows

- Covering different areas such as applying highest security standards, handling errors, scripting, etc.

- Application specific guidelines (SuccessFactors, API Management)

- Reference integration flows @API Business Hub or directly in Cloud Integration to be deployed with minimum effort

- See guidelines in documentation

Guidelines to implement specific integration patterns

- Most common enterprise integration patterns such as content-based routing, aggregator, splitter, etc.

- Exactly-once scenarios

- See blog series

Enterprise integration pattern community

- 60+ enterprise integration patterns implemented with Cloud Integration

- Overview blog

Huge and active community

SAP Integration Solution Advisory Methodology

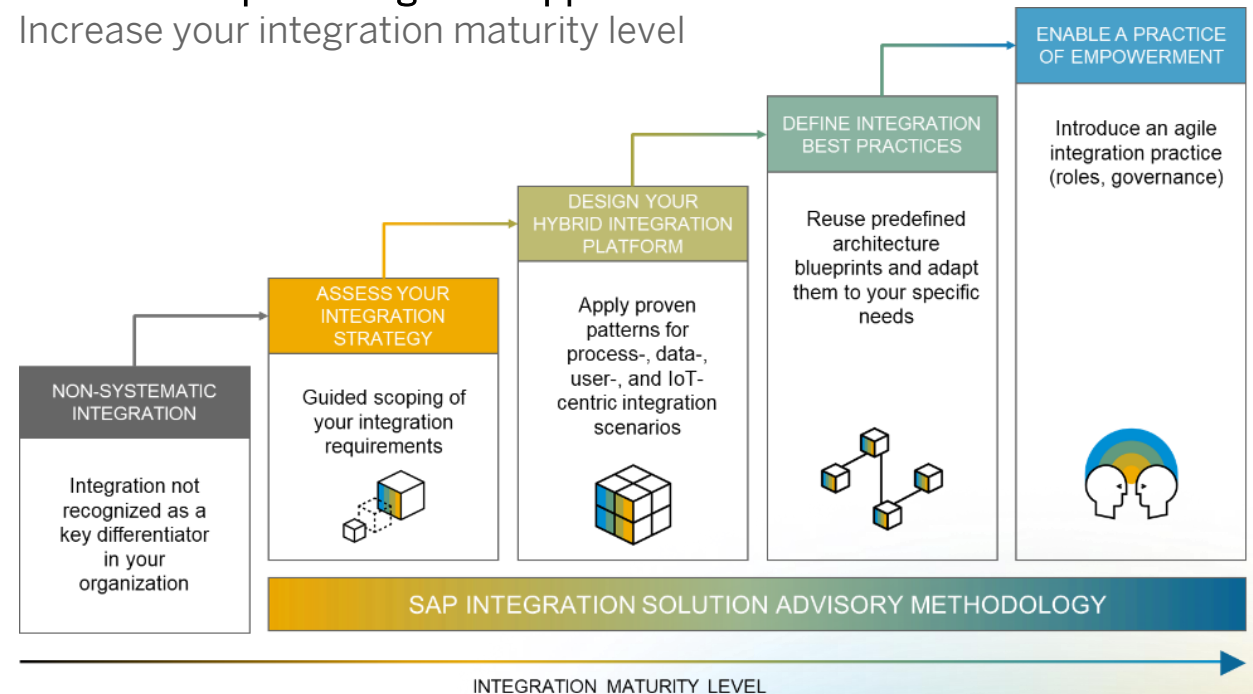## Proven approach to define your enterprise integration strategy

Highlights

- Integration use-case patterns, architecture blueprints, and best practices
- 2000+ registered customers, partners, and consultants
- Coverage for all integration dimensions in today's hybrid and diverse environments

Outlook

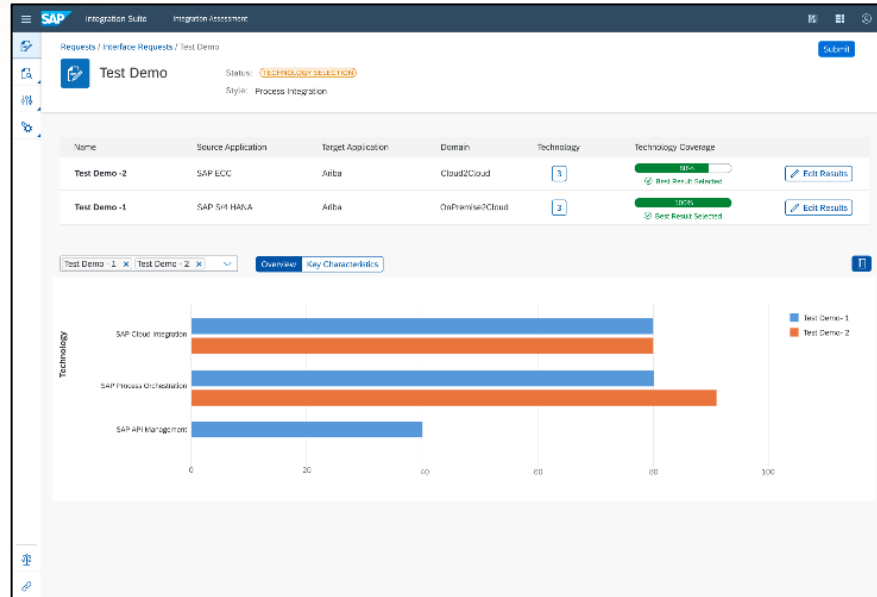- Tool support: Integration Assessment capability as part of SAP Integration Suite

ⓘ sap.com | openSAP | Integration architecture guide

Holistic enterprise integration approach
Increase your integration maturity level

NON-SYSTEMATIC INTEGRATION
Integration not recognized as a key differentiator in your organization

ASSESS YOUR INTEGRATION STRATEGY
Guided scoping of your integration requirements

DESIGN YOUR HYBRID INTEGRATION PLATFORM
Apply proven patterns for process-, data-, user-, and IoT-centric integration scenarios

DEFINE INTEGRATION BEST PRACTICES
Reuse predefined architecture blueprints and adapt them to your specific needs

ENABLE A PRACTICE OF EMPOWERMENT
Introduce an agile integration practice (roles, governance)

SAP INTEGRATION SOLUTION ADVISORY METHODOLOGY

INTEGRATION MATURITY LEVEL

Integration Assessment capability*

Take a systematic approach to solving common integration challenges with best-practices methodology.

Introduce integration governance

- Define policies to establish guidelines for the use of integration technologies within an organization
- Determine the most suitable integration technology for a specific integration scenario
- Improve the collaboration between integration architects, integration developers, and business domain experts

Gain insights into your integration landscape

- Build an inventory of existing integration technologies
- Get an overview of the use of integration technologies across an application landscape
- Benefit from document integration requirements, technology proposal, and selection
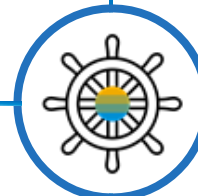
Shape your integration technology strategy

- Tool-based approach for key parts of the SAP Integration Solution Advisory Methodology
- SAP's integration technology recommendations for a turnkey start
- Coverage for custom recommendations, including third-party applications and technologies

* Available with SAP Integration Suite, standard, premium, and digital editions

Take a strategic approach to modernizing integration

Invest in innovation

"Lift-and-shift migrations, or the use of automated migration tools, fail to **capitalize on the rich functionalities and opportunities of a new integration platform**."

Automate where it matters

"**Testing** is a substantial part of the migration effort, and it consumes somewhere around **60% to 65% of the overall migration effort**."

Source:
Abhishek Singh, "How to Successfully Migrate to a New Integration Platform." Gartner Inc., October 2021. Gartner is a registered trademark and service mark of Gartner Inc. and/or its affiliates in the United States and internationally and is used herein with permission. All rights reserved.

Self-service content and tools

- Integration strategy guides
- Migration guides, blogs, videos
- Best practices
- Prebuilt content (api.sap.com)
- Tools for assessment, automated testing, and migration

SAP Migration Factory for SAP BTP

Free assessment and planning

- 2-week to 3-week engagement
- SAP Process Integration and SAP Process Orchestration to SAP Integration Suite
- Cloud integration (neo to Cloud Foundry)
- Other products of SAP BTP (SAP HANA)

SAP Services and Support

Paid consulting services from SAP

- Planning service
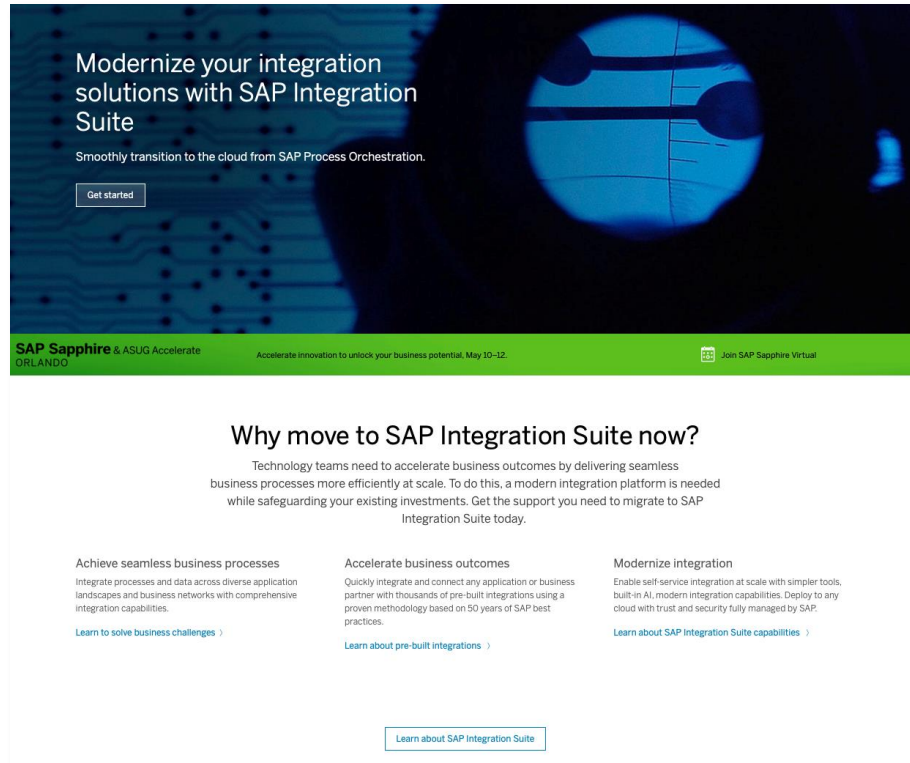- Infrastructure setup service
- Implementation service

Partners

Many partners available to support migration needs

INT4   Figaf

Where can I get more information?

Find out more

Get support migrating to SAP Integration Suite

Detailed self-service content and programs to support SAP Process Integration & Orchestration customers move to SAP Integration Suite

Learn about SAP Integration Suite

Check out the sap.com/integration Web site, which has valuable resources for fast-tracking your knowledge of SAP Integration Suite and to help you get the highest quality answers quickly and easily from SAP experts.

Engage our community
http://community.sap.com/topics/integration-suite

Free tier
Free tier model for SAP BTP

Customers
SAP Integration Suite

Road map
SAP Integration Suite

SAP is here to help.
Contact your local SAP representative

sap.com/corporate/en/company/office-locations.html

Q & A