



# Customer Evolution from SAP Process Orchestration to **SAP Integration Suite**

EXTERNAL



Helmut Grimm  
SAP



Arti Gopalan  
SAP



Damien O'Dowd  
Harrods



Sougata Dutta  
SAP



Toros Aledjian  
SAP

## Agenda

1. **Words of Welcome** - Helmut Grimm - SAP
2. **SAP Integration Suite Strategy and roadmap** - Arti Gopalan - Product Manager for SAP Integration Suite (SAP Labs, Bangalore)
3. **Harrods' successful SAP Integration suite migration journey** - Damien
4. **Resources for your Success** - Arti Gopalan - Product Manager for SAP Integration Suite (SAP Labs, Bangalore)
5. Expert Q&A

## 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



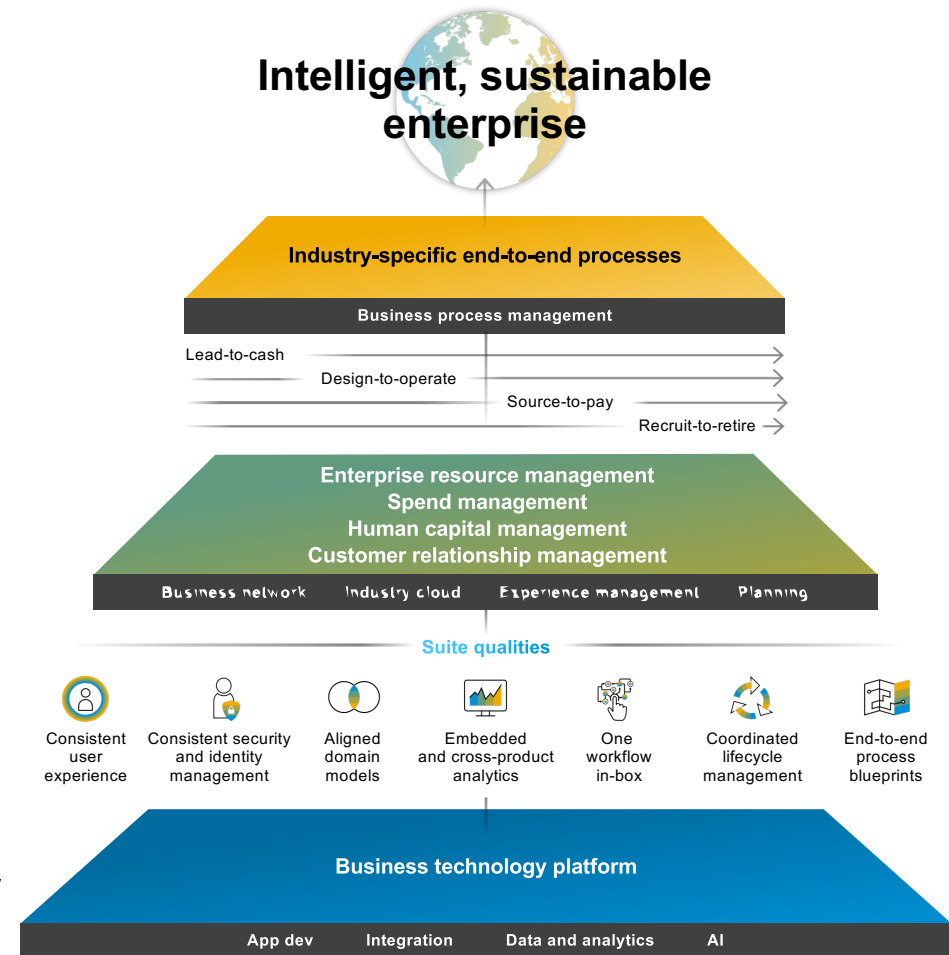
**Thomas Saueressig**

Member of the Executive Board of SAP, SAP Product Engineering

Business processes

Solution areas

Technology



# SAP's investment in integration

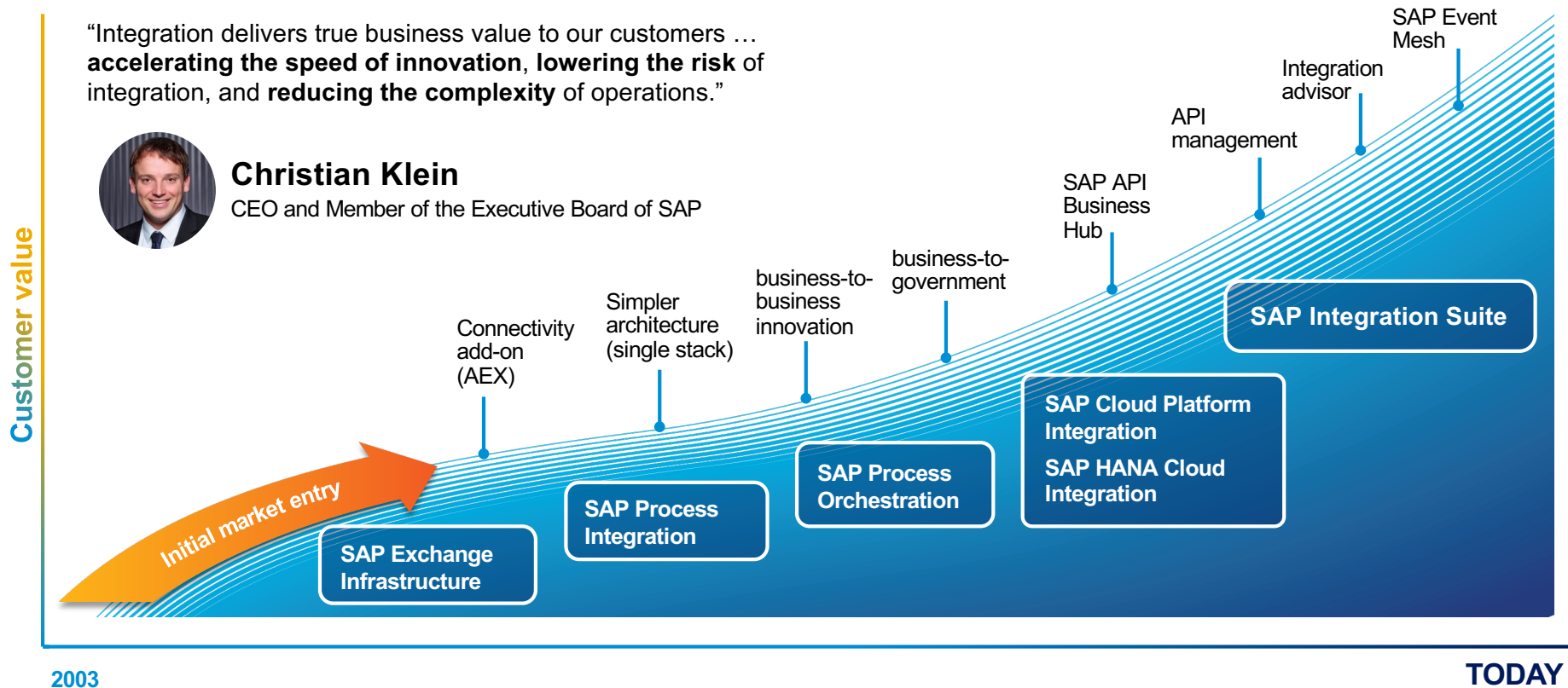
A history of continuous innovation

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



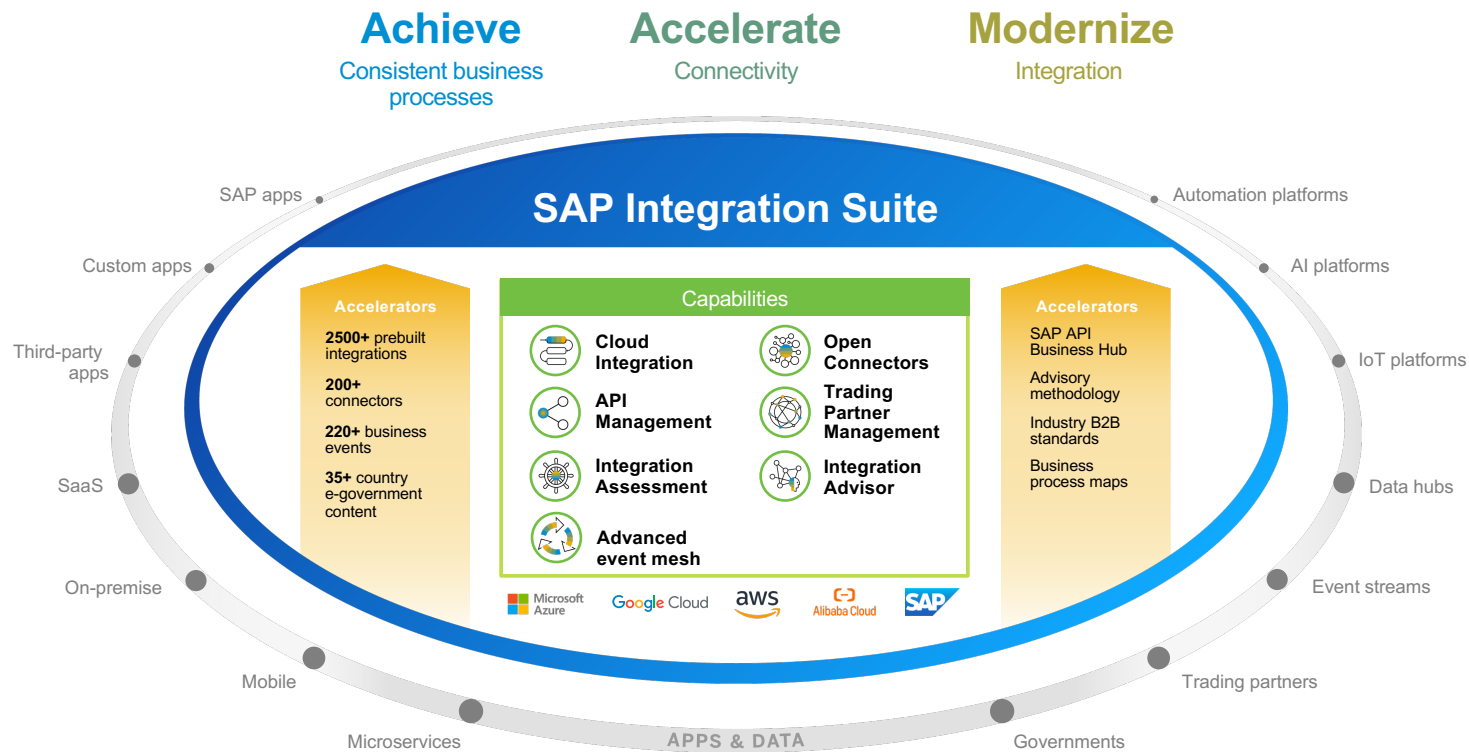
**Christian Klein**

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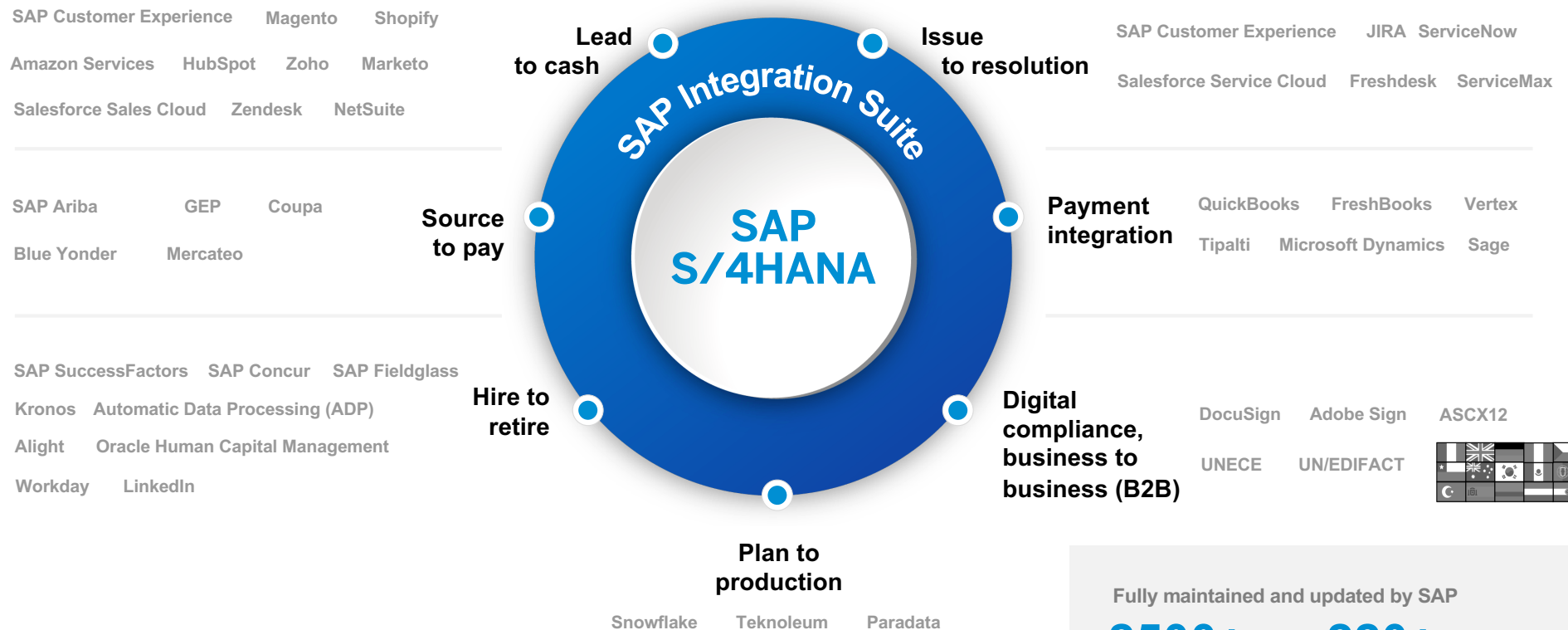




# Connect and automate your business



# Achieve end-to-end integration across SAP and third-party systems faster



Fully maintained and updated by SAP

**2500+**

Prebuilt integrations

**220+**

Prebuilt event objects

# Future-proof your integration strategy with SAP Integration Suite

## Move to SAP Integration Suite with cloud transition

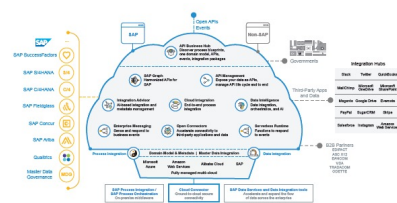


Figure 1 SAP Cloud Platform Integration Suite for hybrid and heterogeneous environments

that are key to a successful transition, including upgrading to SAP NetWeaver 7.5 (if an older release is currently running out of maintenance), building new integrations with SAP Cloud Platform Integration Suite, and following best practices for moving existing integration scenarios to SAP Cloud Platform Integration Suite. It also looks at SAP's roadmap for SAP Process Integration, SAP Process Orchestration, and SAP Cloud Platform Integration Suite to help organizations plan for the journey ahead.

### A Hybrid Integration Platform for Modern Environments

SAP Cloud Platform Integration Suite is an open and enterprise-grade integration platform that runs on multi-cloud environments (see Figure 1). It is SAP's recommended integration platform for simplifying and accelerating integrations for both SAP and third-party integration scenarios. SAP Cloud Platform Integration Suite supports integration in a holistic manner and provides pre-built integration packages to enable accelerated integrations. It supports a range of integrations, including the integration of applications in the cloud and on-premise, master data integration, B2B and electronic data interchange (EDI) integration, business-to-government (B2G) integration, data integration and pipelines, event-driven integration, and integration based on application

programming interfaces (APIs). It also supports design and runtime governance of APIs and acts as the foundation for process excellence across the value chain.

To safely and successfully transition to SAP Cloud Platform Integration Suite while protecting existing investments in SAP Process Integration and SAP Process Orchestration, we recommend the following three actions:

1. Upgrade to SAP NetWeaver 7.5. With lower versions reaching end of maintenance at the close of 2020, upgrade to the long-term supported release of SAP NetWeaver 7.5.
2. Build new agile integrations with SAP Cloud Platform Integration Suite. Future-proof your hybrid integration strategy by developing new agile integrations — including ground-to-cloud, ground-to-ground, cloud-to-ground, and cloud-to-cloud integrations — using SAP Cloud Platform Integration Suite.
3. Move existing integration scenarios to SAP Cloud Platform Integration Suite. Follow best practices to safely and securely move existing integration scenarios to SAP Cloud Platform Integration Suite.

The following sections walk through the details of these recommended actions.

## 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 heterogeneous 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

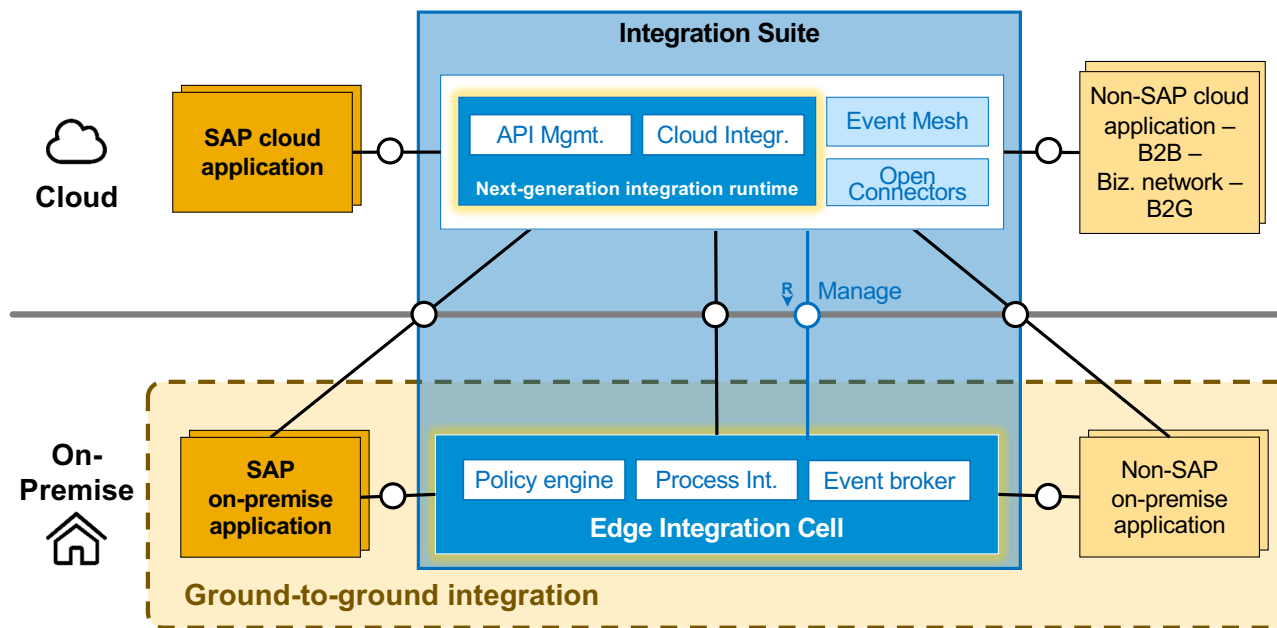
## Use for on-prem-to-on-prem scenarios

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

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

# Next-generation hybrid integration runtime

Extend SAP Integration Suite in customer environments



## Hybrid operations

- Installation, system monitoring and software update (at cloud speed) 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

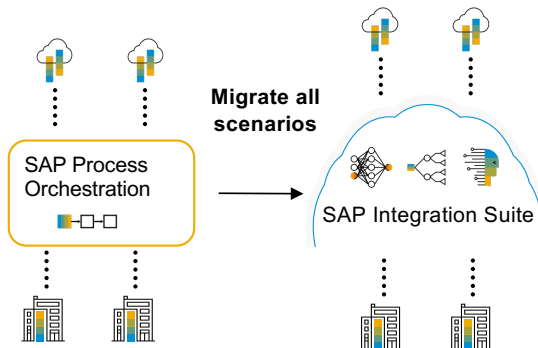
- Expose business events from SAP on-premise applications to SAP Event Mesh and/or third-party event brokers



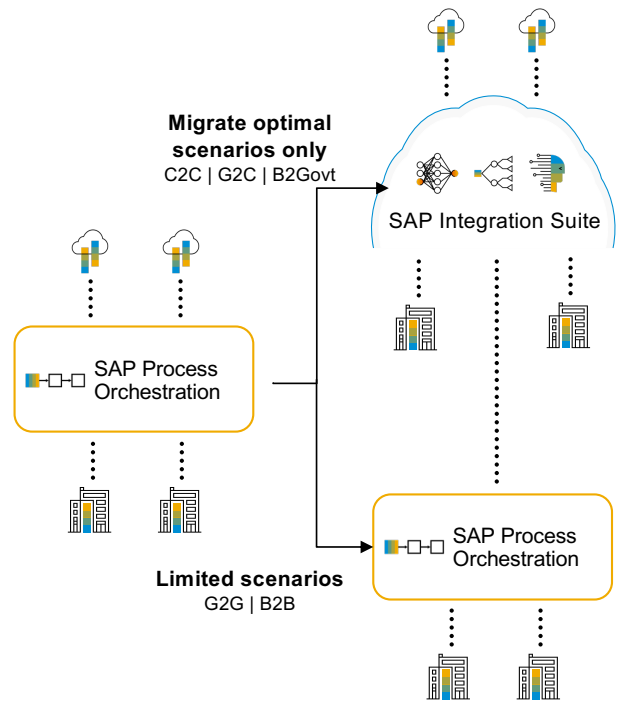
# How we move?

## Transition options to SAP Integration Suite

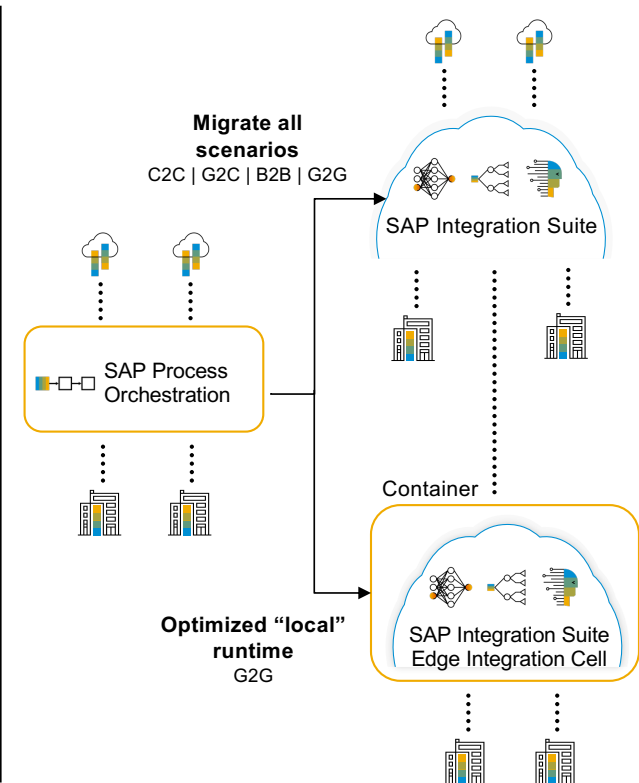
### Option 1 Complete migration



### Option 2 Hybrid migration



### Future (Beta 2H 2022) Hybrid (No PO)



A photograph of the Harrods department store building in London at night. The building is a grand, ornate structure with multiple stories, many windows, and a prominent central dome. It is illuminated with warm, golden lights, particularly along the edges and around the windows. The word "HARRODS" is visible in large, illuminated letters on the corner of the building. Several flags are flying from the roof. The sky is dark, and the overall atmosphere is one of a classic, luxurious shopping destination.

# SAP PO Migration - Harrods



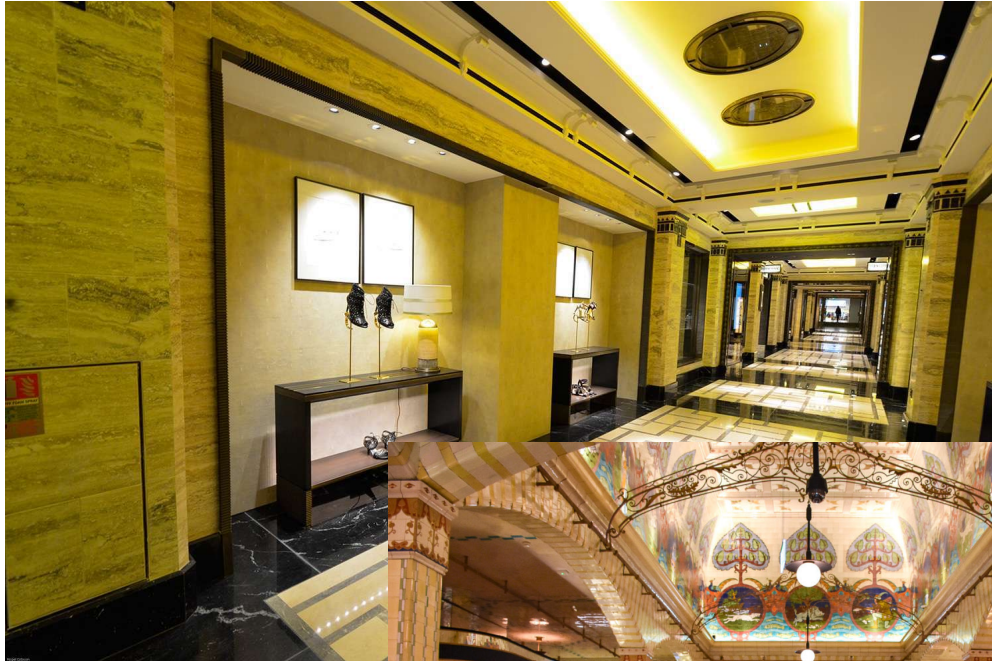


## AGENDA

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1. About Harrods
2. About Me
3. Architecture Overview
4. SAP PO migration
5. Lessons learned
6. Looking ahead

# HARRODS



Shoe Heaven



Fine Jewellery



Food Halls





Damien O'Dowd

## DAMIEN O'DOWD

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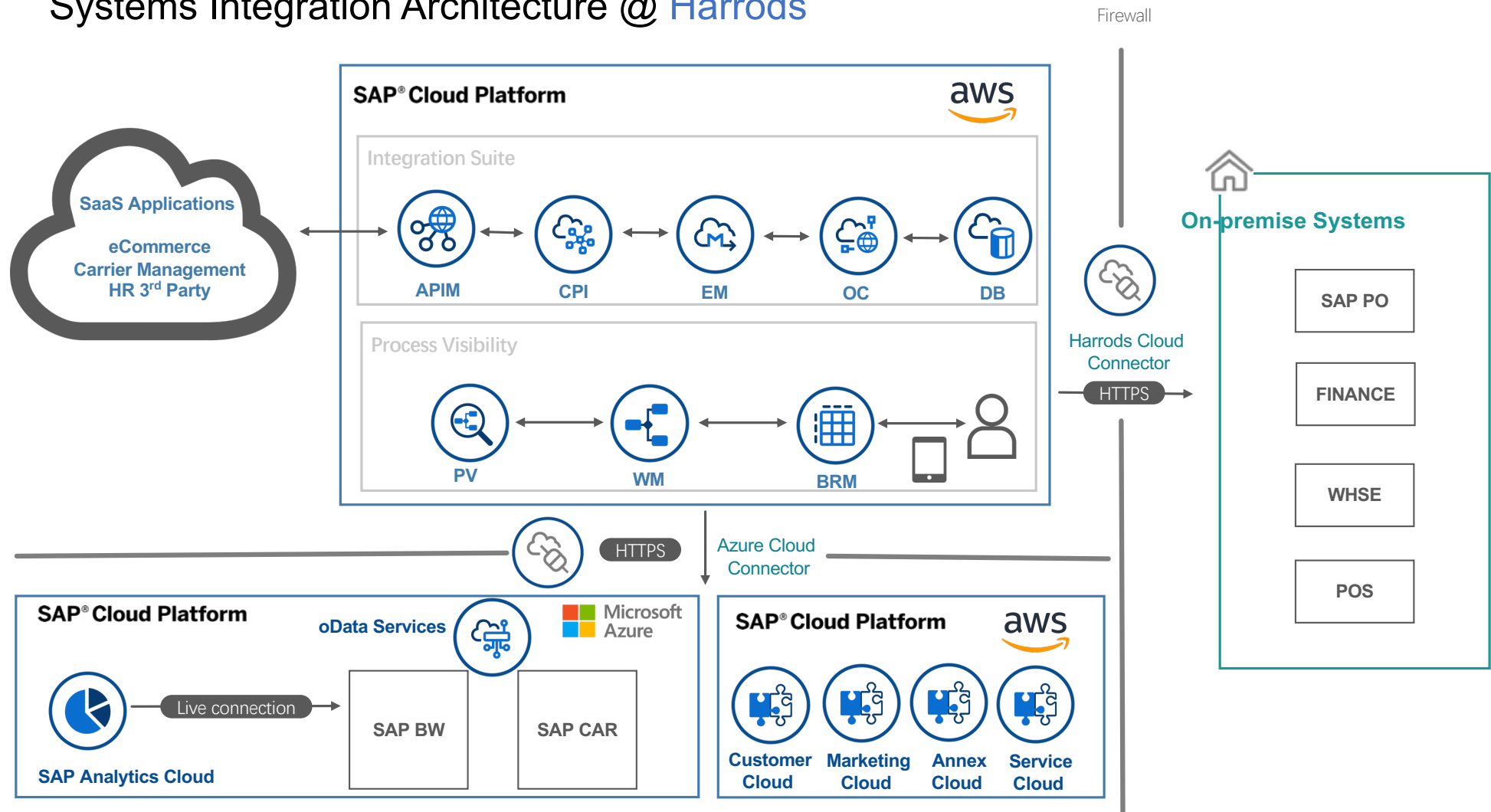
At Harrods a cloud first approach using best of breed IT Technologies is the driver in IT.

The Integration landscape has followed suit, evolving into a Hybrid landscape catering for cloud and on-premise technologies

As Integration Architect I am responsible for all areas relating to integration, from landscape Architecture to BAU and everything in between



# Systems Integration Architecture @ Harrods



## SAP PO Migration

S&B H2CMR



**Scope** Multiple projects to deliver in very tight timelines, HR Transformation, eCommerce platforming, CRM Transformation, general strategy to migrate legacy platforms to cloud. A stable, scalable integration platform to underpin these initiatives was essential.



**Existing SAP PO Platform** – SPOF, Non Resilient, behind on patch levels. Not fit for purpose for the roadmap ahead.



**Approach** - Our approach to migration was firstly to adopt the new platform for strategic projects and as we followed the Architecture roadmap we have been mopping up existing integrations.

**Further Migration** – Since then we have also migrated to Cloud Foudry environments and integration Suite.

There were no migration tools or approaches available when we started our journey.

Harrods

## LESSONS LEARNED



**Development Methods & Approaches** – Moving traditional PO approach to a Design pattern approach. Logging / tracing / payload search / message retry etc not supported as standard in CPI. **These approaches need to be clearly documented as part of development standards.**



**More than Integration** - It is not just about integration and technology – there were many points for considerations , Defined Blueprint on the Architecture of the system – Number of tenants / Subscription or Consumption model / connections to on premise systems through SCC.



Defined scope in terms of Hybrid integration landscape – maintenance of on premise system and project approach to development on SAP CPI.

**Service Management** - Understanding infrastructure offered by SAP CPI – HA / DR – SLA's. Understanding Service management aspects such as Maintenance windows



**Roles** - Defining roles and responsibilities as we move away from the traditional, Basis / Integration responsibilities & segregation of duty.

Harrods



## LOOKING AHEAD

Great satisfaction in delivering a first project on a new landscape for Harrods, lots to keep us interested going forward.

**Extending API** A single Portal for Business integration through the Business Hub

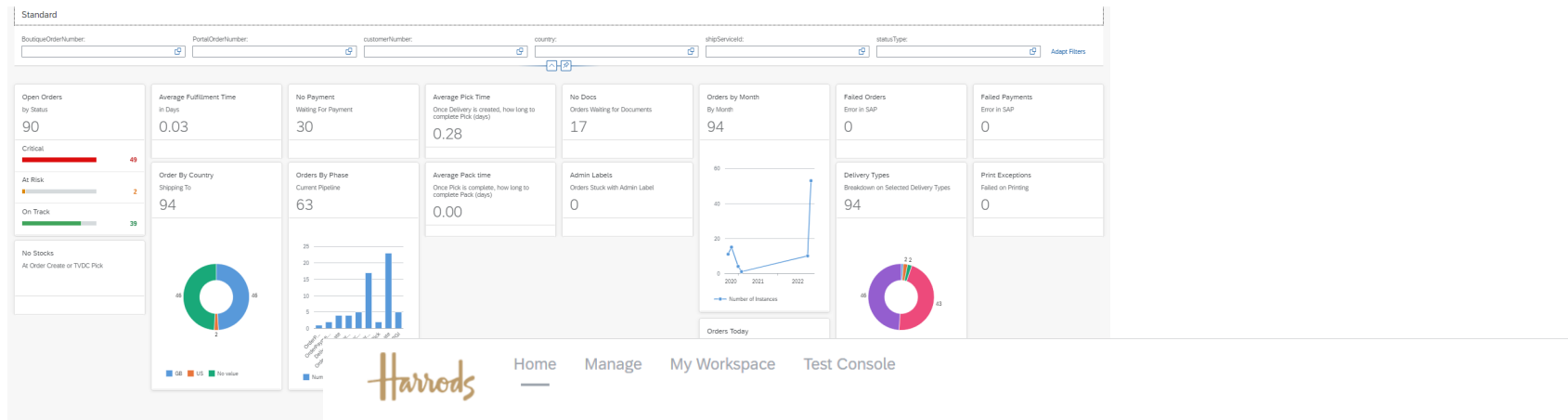
**ISA-M** Develop Integration Solution Advisory Methodology for Harrods and integration guidelines.


**Self Service** - With PV Dashboards etc

**RPA** – For repeating tasks – health checks etc, Value Map updates.



# LOOKING AHEAD





## Manage and Provide Integration Technology Guidance

Define, document, and govern your integration strategy powered by ISA-M with Integration Assessment.

[Create Request](#)

...es that you can assign to integration technologies / services in your organi  
using default recommendations, reasonable alternatives, possible exception

Integration Technology	Recommendation Degree	Rule	Supported Domains	Applications
<b>Cross Use Cases</b>				
<input type="radio"/> SAP Data Intelligence	General Recommendation	Use for streaming data integration needs in on premise landscapes.	OnPremise2OnPremise	
<input type="radio"/> SAP Data Intelligence Cloud	General Recommendation	Use for streaming data integration needs with option to reuse existing data integration products to	Cloud2Cloud Cloud2OnPremise	

## Harrods API Hub

Centralized API catalog to discover, consume and monitor APIs within the Harrods Enterprise

Type here to search 

Harrods

Harrods

# Customer Evolution Journey – Tools, Support and Services

## Move from SAP Process Orchestration to SAP Integration Suite

### 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



#### 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

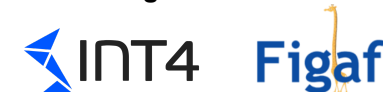
##### **Paid consulting services from SAP**

- Planning service
- Infrastructure setup service
- Implementation service



#### Partners

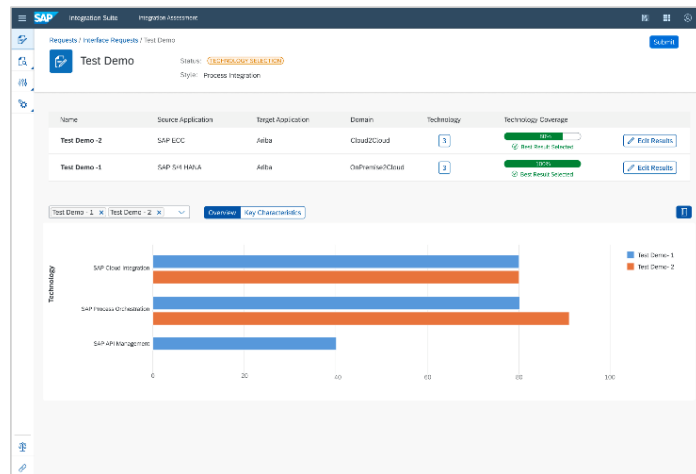
**Many partners available to support migration needs**





# Integration Assessment capability\*

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



## 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

## 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

# Migration assessment tooling from SAP\*

Beta launched in Q3/4 2022

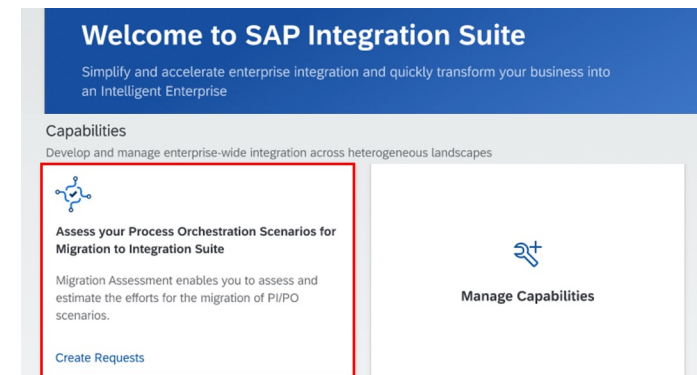
- Is planned as additional capability of SAP Integration Suite
- Automatically analyzes SAP Process Orchestration systems regarding migration to SAP Integration Suite (as-is migration) based on flexible rule framework
- Provides results containing migration status and t-shirt size for migration effort (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:

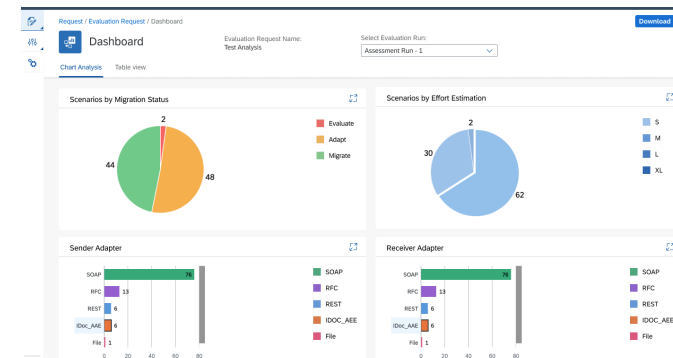
- Migration status
- Effort estimation
- Sender and receiver adapters
- List of integration scenarios

**Export Result:**

- PDF Report
- Excel Sheet



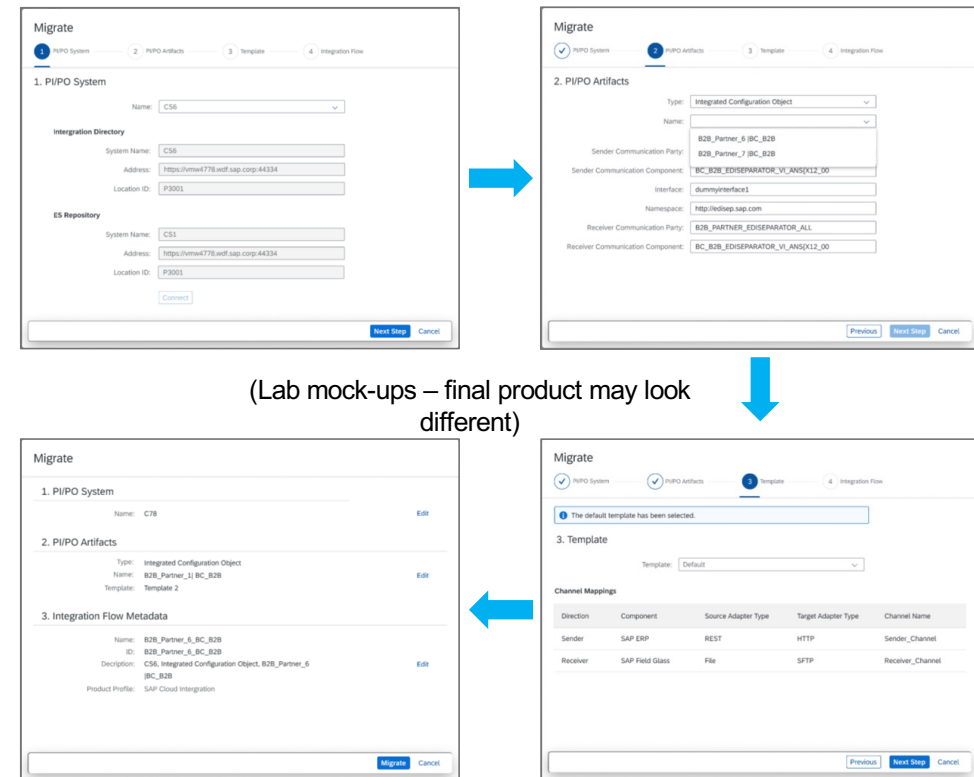
(Lab mock-ups – final product may look different)



# Automated migration tooling from SAP\*

Beta launched in Q3/4 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



# 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

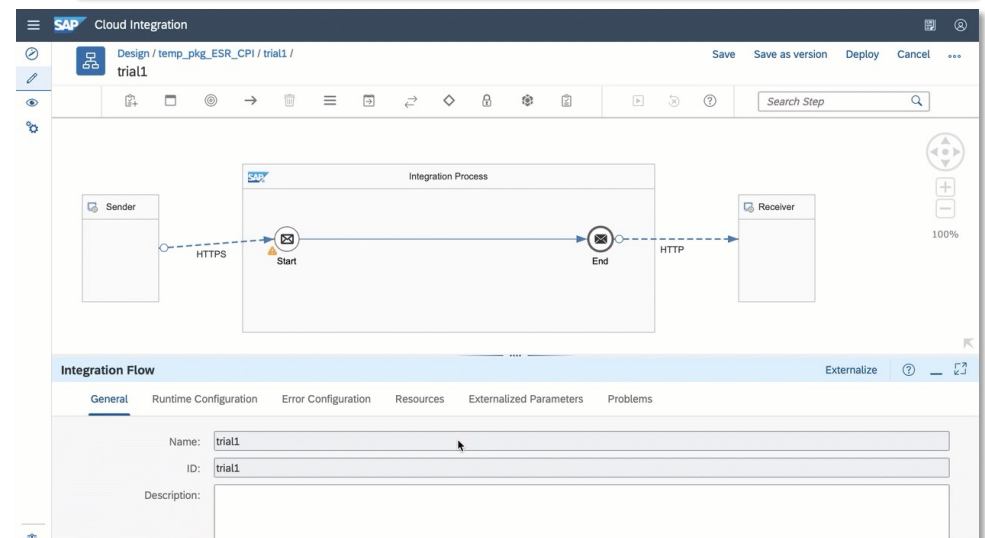
*Note: ESR version 7.3 and onwards is supported.*

[Blog: Importing Message Mapping from ES Repository in SAP Cloud Integration](#)

Troubleshoot: [SAP Note 2681589](#)

Restrictions apply in import capability : [SAP Help Documentation](#)

The screenshot shows the 'ES Repository' configuration screen in SAP Cloud Integration. The top navigation bar includes 'Product Profiles', 'Transport', 'ES Repository' (selected), 'Custom Tags', and 'Malware Scanner'. On the left, there are icons for a checkmark, edit, view, and settings. The main area contains four input fields: 'Name: \*', 'Address: \*', 'Credential Name:', and 'Location ID:'. Each field has a corresponding text input box.



# 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](#)

The screenshot displays the SAP Help Portal interface for 'Integration Flow Design Guidelines'. The top navigation bar includes 'SAP Help Portal' and 'SAP Cloud Integration'. The main content area shows a search bar with 'Discover (364)' results. A table lists 11 packages found, including 'Integration Flow Design Guidelines - Learn the Basics', 'Integration Flow Design Guidelines - Enterprise Integration Patterns', 'Integration Flow Design Guidelines - Scripting Guidelines', '[DEPRECATED] Cloud Integration - Exemplars', 'SAP S/4HANA Integration with External Tax Calculation Engines', 'Integration Flow Design Guidelines - Apply Highest Security Standards', 'Integration Flow Design Guidelines - Handle Errors Gracefully', 'Integration Flow Design Guidelines - Relax Dependencies to External Components', 'Integration Flow Design Guidelines - Run an Integration Flow Under Well-Defined Boundary Conditions', and 'Integration Flow Design Guidelines - Use the Partner Directory Appropriately'. The page also features a sidebar with navigation links and a 'Show More' button at the bottom right.

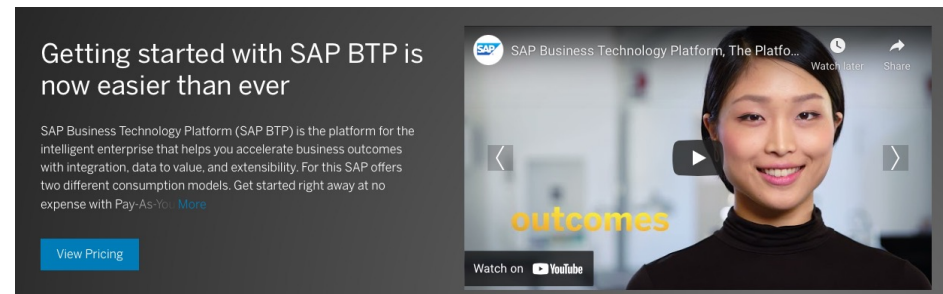


Huge and active community

# Start now with the **free tier** option

A free tier option for SAP Integration Suite is available in the free tier model of SAP BTP.

- 1 Experience SAP Integration Suite  
[Sign up for the free tier option.](#)
- 2 Extend your learning with the  
[SAP Learning Journey for SAP Integration Suite.](#)
- 3 Continue your learning with  
[missions on the SAP Discovery Center site.](#)



 [Documentation](#) | [Blog](#) | [Tutorial](#) | [FAQ](#)

# Thank you.

Contact

**Arti Gopalan**

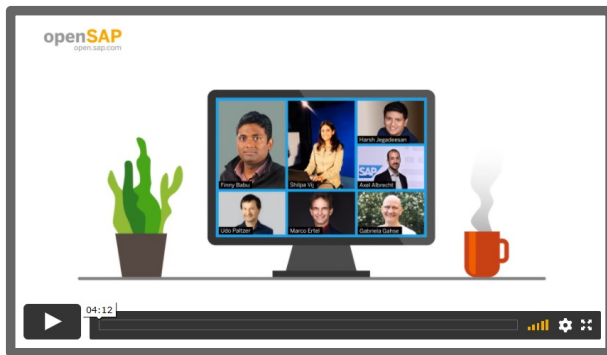
[arti.gopalan@sap.com](mailto:arti.gopalan@sap.com)





## openSAP Courses

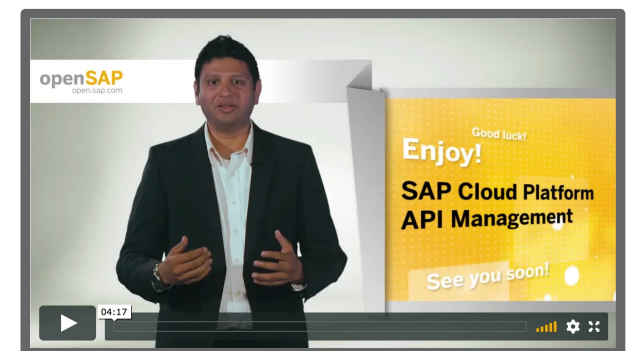
Learn from our team of experts, in a free online digital classroom



[Accelerate Enterprise Integrations with SAP Integration Suite](#)



[Simplify integration using SAP Integration Suite](#)

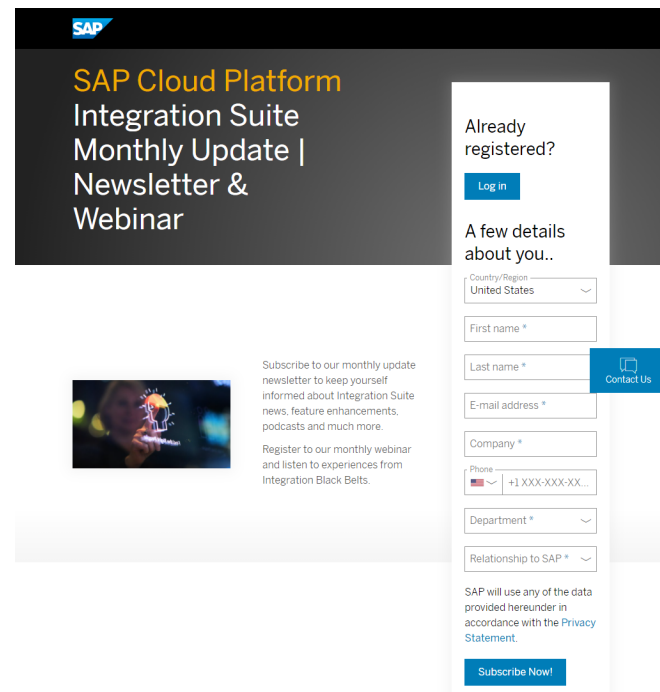


[API Management overview and lifecycle](#)

# SAP Integration Suite - monthly update

## Newsletter

- Every **first Monday**
- Links to blogs, upcoming events, important news, updates, recordings

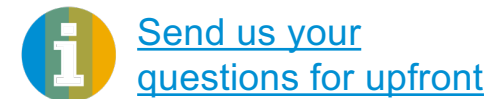


The screenshot shows a registration form for the SAP Cloud Platform Integration Suite Monthly Update. The header includes the SAP logo and the text 'SAP Cloud Platform Integration Suite Monthly Update | Newsletter & Webinar'. Below this, there is a 'Log in' button for already registered users. The main section is titled 'A few details about you..' and contains several input fields: 'Country/Region' (a dropdown menu currently showing 'United States'), 'First name \*', 'Last name \*', 'E-mail address \*', 'Company \*', 'Phone' (with a dropdown for country code and a text field for the number), 'Department \*', and 'Relationship to SAP \*'. A 'Contact Us' button is located next to the 'Last name' field. Below the form, there is a small image of a person and text encouraging users to subscribe to the newsletter and register for the webinar. At the bottom, there is a 'Subscribe Now!' button and a link to the Privacy Statement.



## Webcast

- Every **last Tuesday**
- **Product updates**
- Alternatingly:
  - **#IntegrationBlackBelt:** Interact with Integration Black Belts
  - **#AskAnythingIntegration:** panel of experts answering any questions you have on integration. Send us your questions upfront



# Discovery Center missions

Best practices and step-by-stop guidance for implementing use cases

## Get started with

- [Cloud Integration](#)
- [API Management](#)
- [Open Connectors](#)

## Additional ones

- [Implement and configure e-invoice Italy](#)
- [Send electronic invoices via Peppol network in Germany](#)
- [ESAC Integrated Solution - Third party integration using Open Connectors](#)
- [ESAC Integrated Solution - Cloud to Cloud Integration - SAP SuccessFactors - SAP Fieldglass](#)
- [Boomi to CPI Transition](#)
- Publishing Documents from SAP S/4HANA Cloud to SharePoint (Embrace mission coming soon)

### Missions

Missions are ready-to-run projects containing tools, content and customizable options.

Missions are supported by mission coaches to help your journey along the way.



[View Missions](#)