



# Start with the Right Mind-Set and Learn How to Modernize Your Integration

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Las Vegas

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**2024**

**SAP**insider



## In This Session

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This session will help you discover the migration assessment and migration capabilities of SAP Business Technology Platform to accelerate your move from SAP Process Orchestration to SAP Integration Suite.



# What We'll Cover

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- Explore different strategies for taking your enterprise landscape to the cloud.
- Learn how to perform a comprehensive migration assessment to evaluate your existing integration processes in SAP Process Orchestration.
- Gain practical, hands-on experience in migrating from SAP Process Orchestration to SAP Integration Suite.
- Discover how SAP Business Technology Platform can accelerate your integration journey in the cloud.



# SAP's Investment in Integration

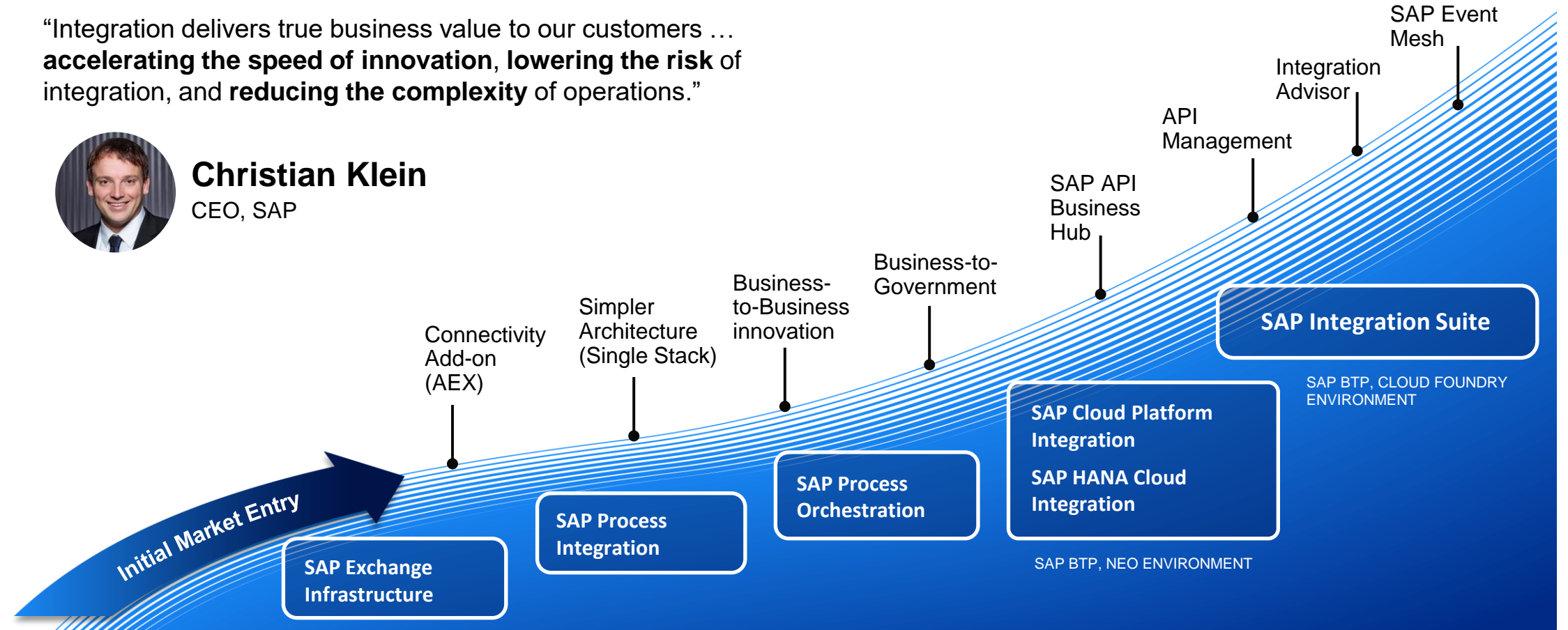
A history of continuous innovation

"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**  
CEO, SAP

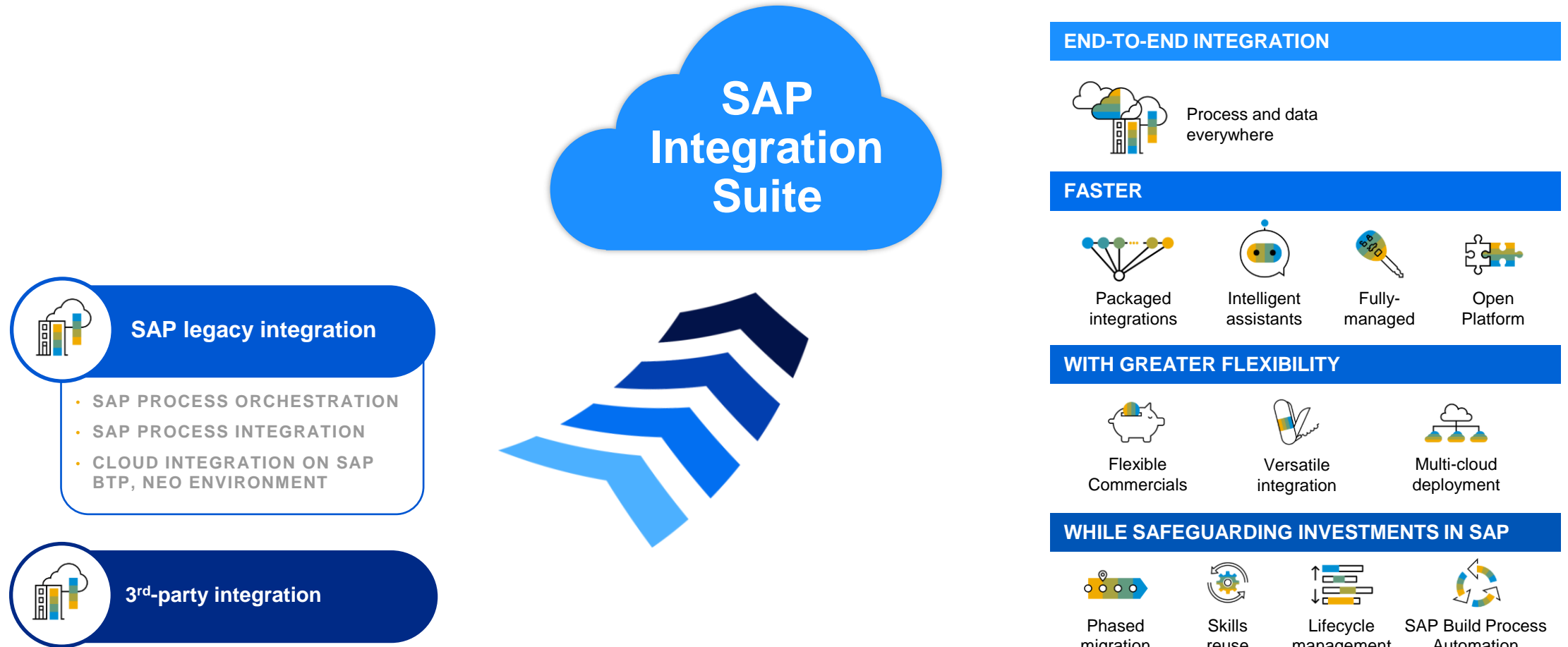
CUSTOMER VALUE



2003

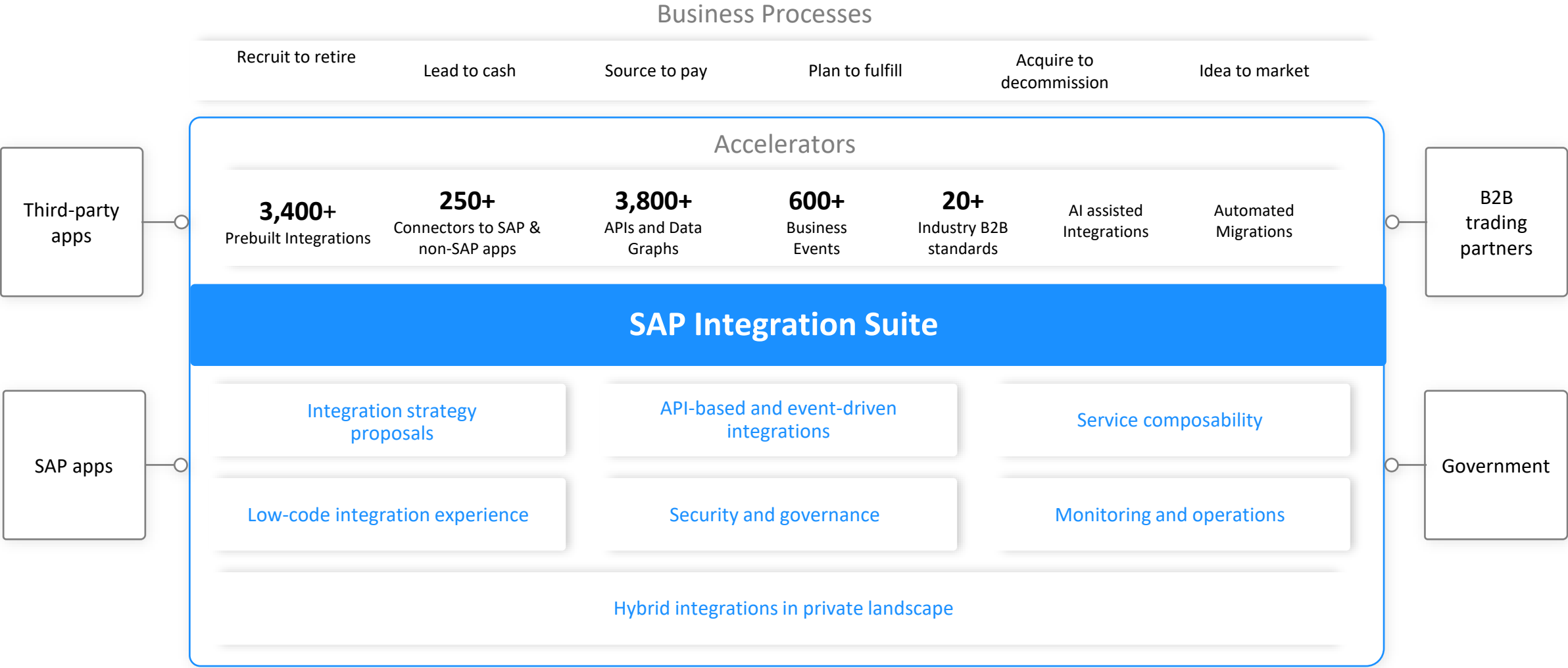
TODAY

# Modernize Integration to Power Your Transformation Journey

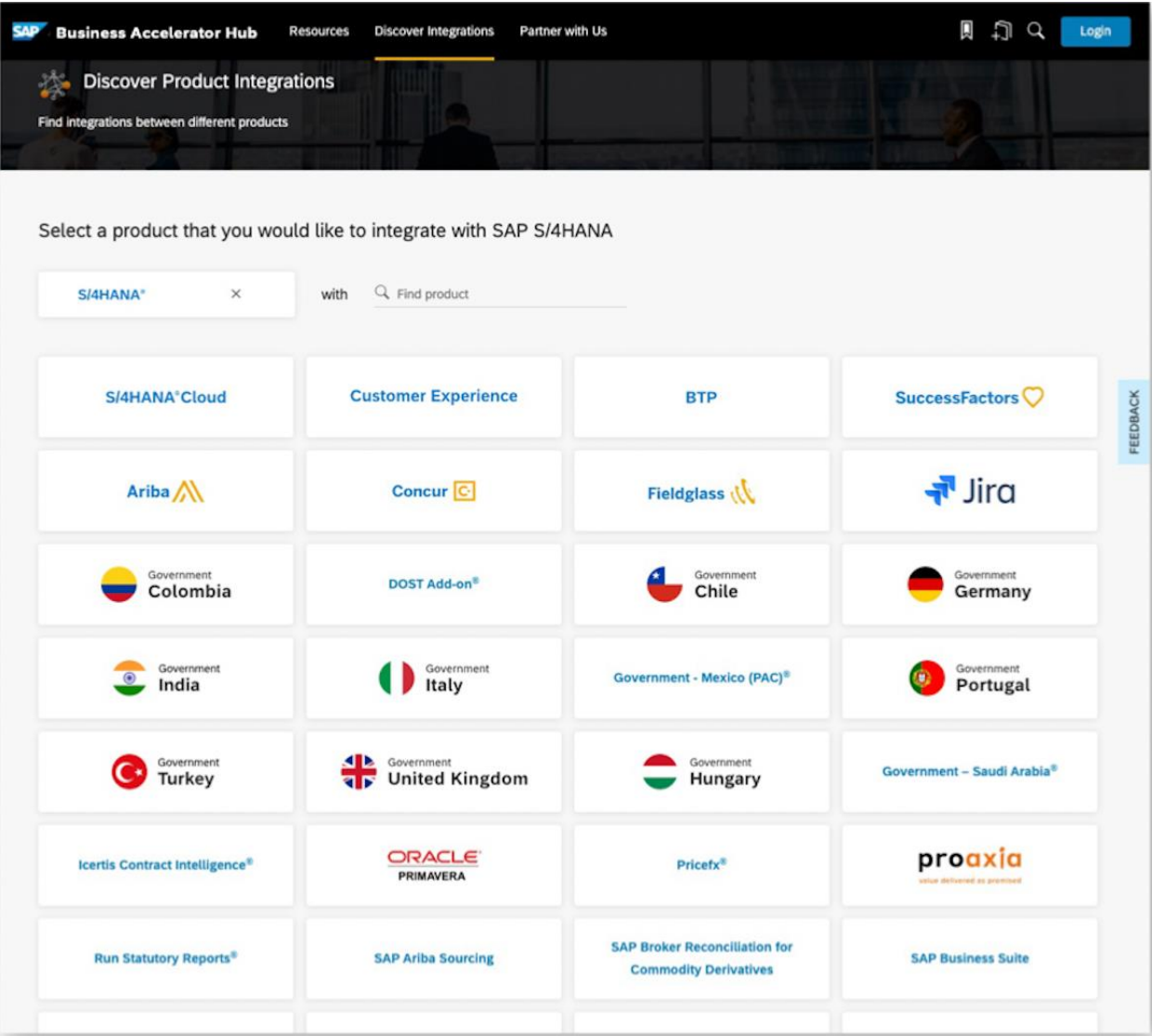


**Simplify and consolidate integration** to achieve end-to-end-processes faster at a lower TCO

# Modernize and innovate with SAP Integration Suite



# Achieve Integration Across SAP and Third-Party Systems Faster



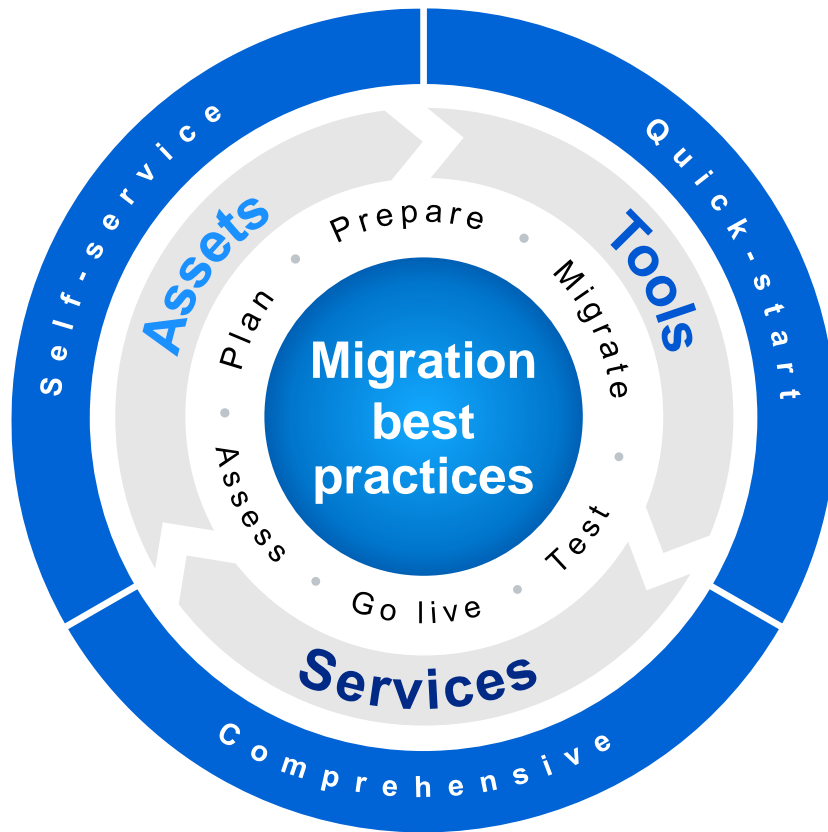
Fully Maintained  
and Updated by  
SAP

3200+  
Prebuilt Integrations

350+  
Business Events

# How to Accelerate Modernization Outcomes and Lower Risks?

## Take advantage of assets, tools, and services from SAP & partners



### SELF-SERVICE HELP

- **Assessment tools** to evaluate your existing environment and estimate efforts
- **Tools to automate migration and testing** from SAP and partners
- **Migration guides, documentation, and community content** to guide you through the migration lifecycle
- **Pre-built integrations** maintained by SAP



### QUICK START PROGRAMS

- **SAP Migration Factory** – a free 2-3 week program to help assess and plan your migration from **SAP PI/PO** to **SAP Integration Suite**
- **Evolve Neo program** – free access to SAP experts who help you plan and prepare your migration to SAP Integration Suite on SAP BTP, **Cloud Foundry** environment
- **SAP Service and Support** offer SAP Integration Suite quick start and migration assistance with **short duration, low cost engagements**

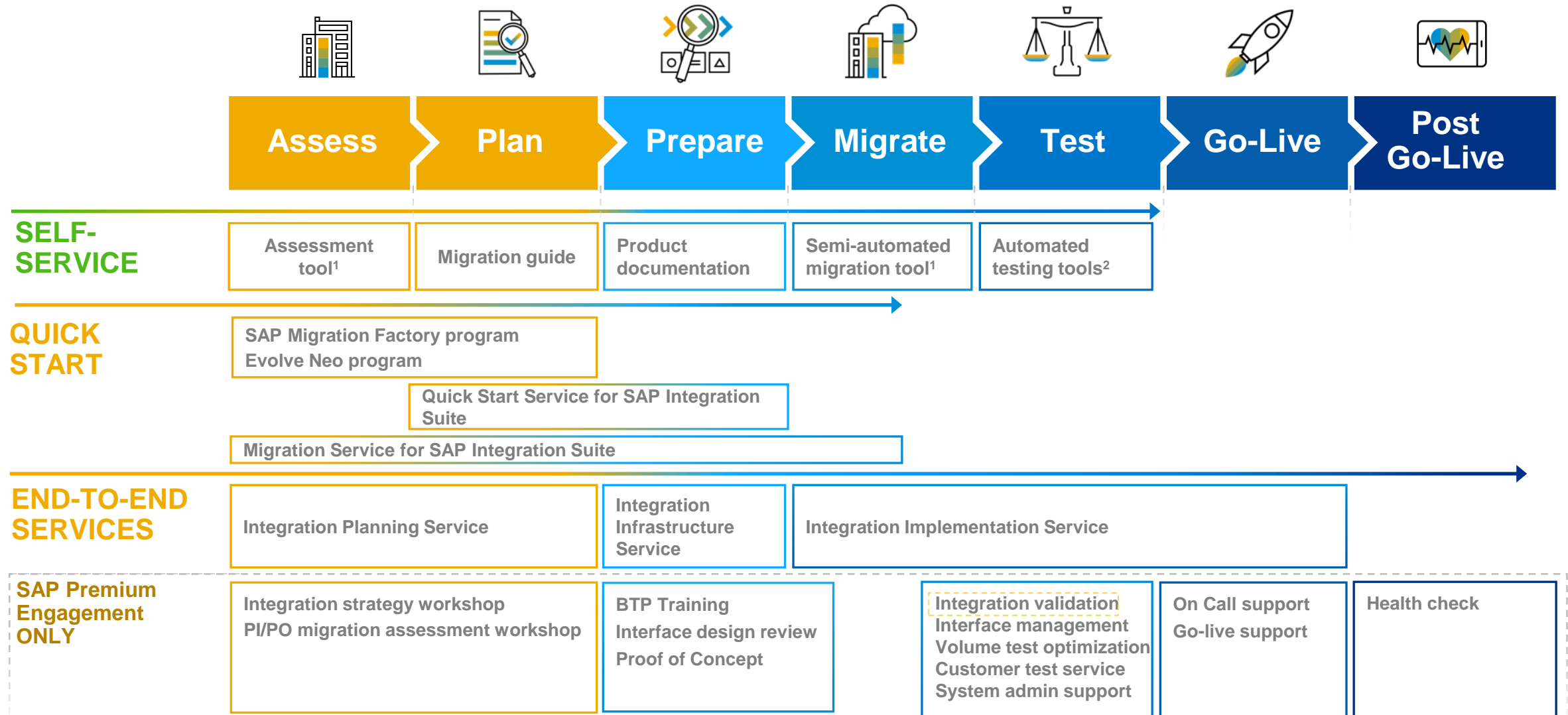


### END-TO-END SERVICES

- **SAP Services** - tailored services across the entire migration lifecycle – **including implementation services**
- **SAP Premium Engagements** (e.g., SAP MaxAttention) offers a customizable deep dive **SAP PI/PO migration workshop** along with **proof-of-concept, health-check** and **on-call go-live** support services.



# SAP & Partners Help You Modernize Integration Each Step of the Way



# Evolve Neo Program: Free Migration Assessment for SAP BTP Customers

Setting you on the right path to migrate your Neo implementation to a modern, multi-cloud foundation

## Four easy steps to help you succeed in your modernization journey

1

**One-hour kick off call** to go over an overview of the program and migration process

2

**An SAP BTP expert for two weeks:**

1. Analyses your Neo services – including your apps, configurations, and security settings
2. Develops a migration roadmap detailing system scope and migration journey

3

**One-hour call to review the migration roadmap** and discuss next steps with your team

4

**Checkpoint Calls every 2 – 4 weeks** with SAP BTP experts to address your migration-related questions

### Prerequisites

- Program open to CPEA and subscription customers only
- Must have active SAP BTP, Neo environment subaccounts
- Must grant SAP access to subaccounts to be analysed for migration

### Get started today!

Contact: [sap.btp.migration@sap.com](mailto:sap.btp.migration@sap.com)

# Fast Track Your Integration Modernization Journey to the Cloud

## with **SAP Migration Factory Assessment for SAP Integration Suite**

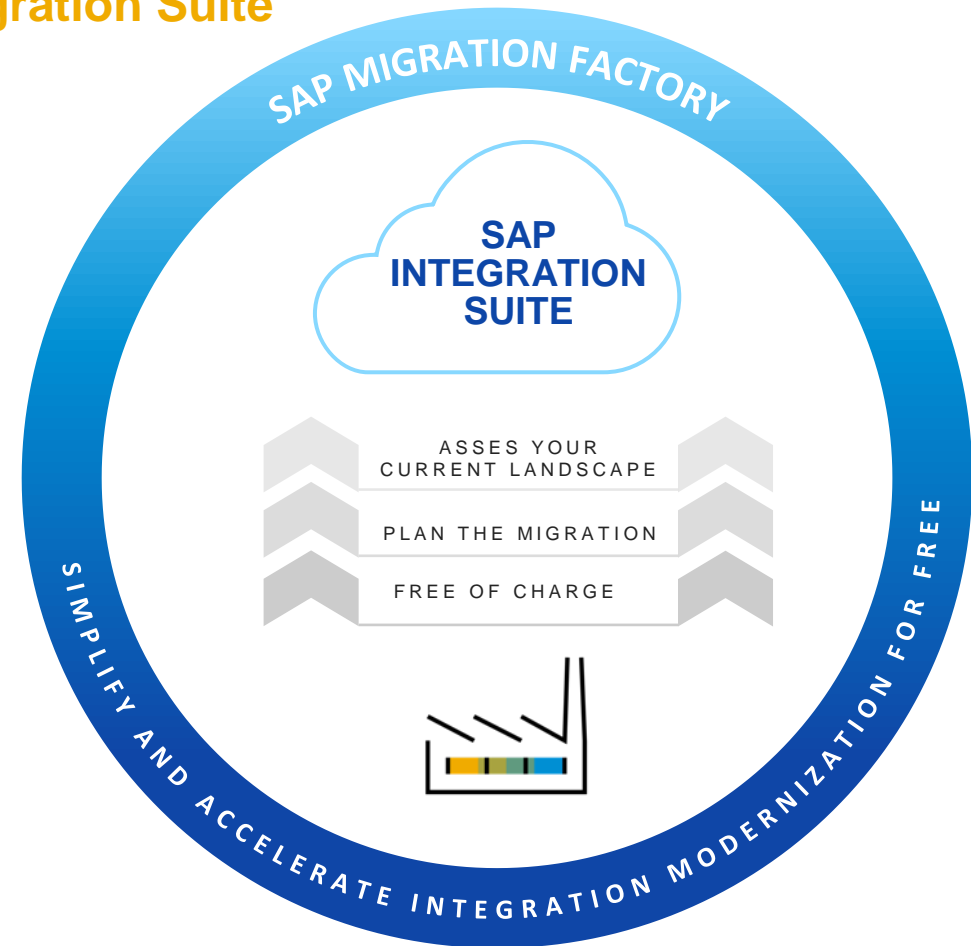
### VALUE DELIVERED

Simplify and accelerate migration from  
SAP Process Integration / Orchestration

Take advantage of FREE\* high level integration  
assessment and planning service

- Quick high-level migration assessment
- Personalized high-level migration plan from SAP Process Orchestration to Integration Suite
- 1-hr presentation of assessment results, migration complexity and estimated effort

Understand best practices and services from SAP  
and ecosystem partners

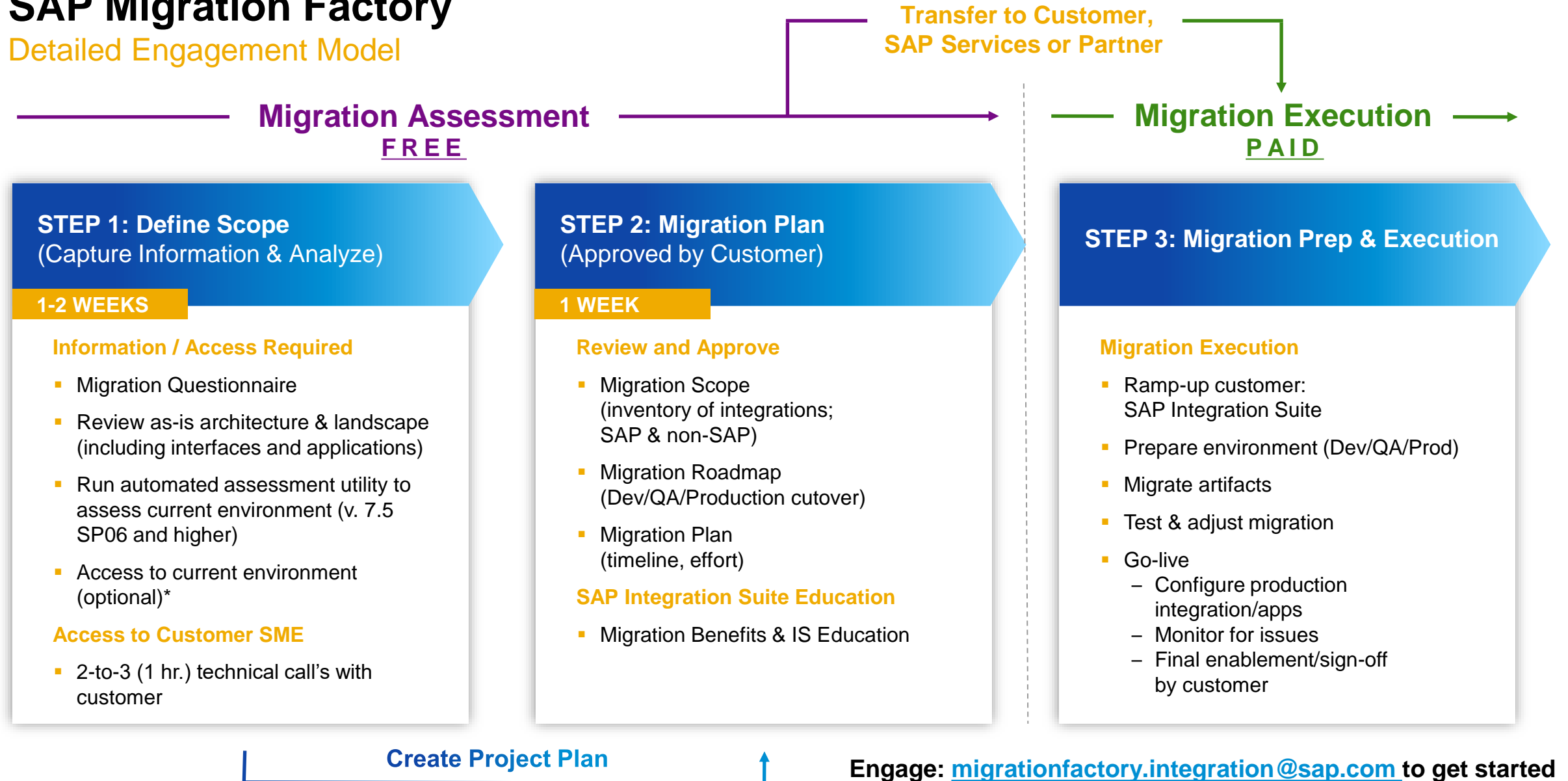


**Maximize return while reducing business impact, complexity & risk**

Engage: [migrationfactory.integration@sap.com](mailto:migrationfactory.integration@sap.com) to get started

# SAP Migration Factory

## Detailed Engagement Model





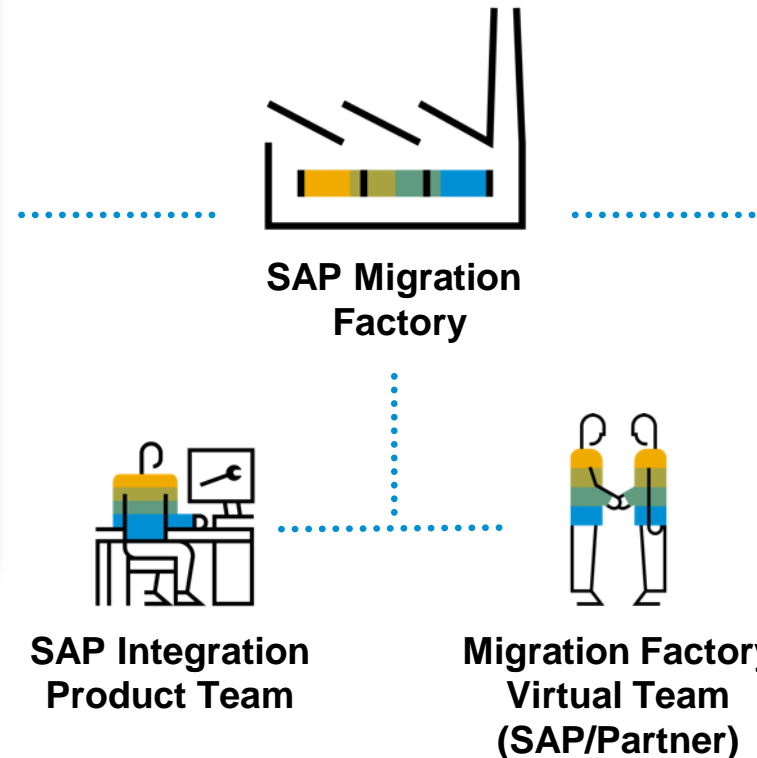
# SAP Migration Factory

## Assessment and Planning Process

### Customer Input

- Fill-out questionnaire
- Run automated assessment utility (7.5 only)
- Review as-is architecture
- 2-to-3 (1 hr.) technical calls with customer
- Access to current environment\* (optional)

\*The automated assessment utility can be run by the customer to extract metadata used by SAP to automate the assessment of existing artifacts in the PI/PO system. Typically, an online meeting to review the more complex scenarios with the customer is all that's required.



### Deliverables to Customer

- Migration Scope (inventory of integrations with SAP & non-SAP applications)
- Migration Benefits, Innovation, & IS Education
- Migration Roadmap (Dev/QA/Production cutover)
- Migration Plan (timeline, effort)

# How to Approach Integration Modernization?

## Start with the right mindset and methodology



### THINK STRATEGICALLY

- Invest in standardized solutions that support you for the long haul
  - New projects on SAP Integration Suite
  - Stop investments on SAP PI/PO or SAP CPI on SAP BTP, Neo environment
- Do not assume "lift and shift" is your best option



### START SIMPLE

- Choose easy migration scenarios to gain experience
- Consider prebuilt integrations maintained by SAP ([api.sap.com](https://api.sap.com))
- Migrate simpler scenarios with least disruption to gain experience

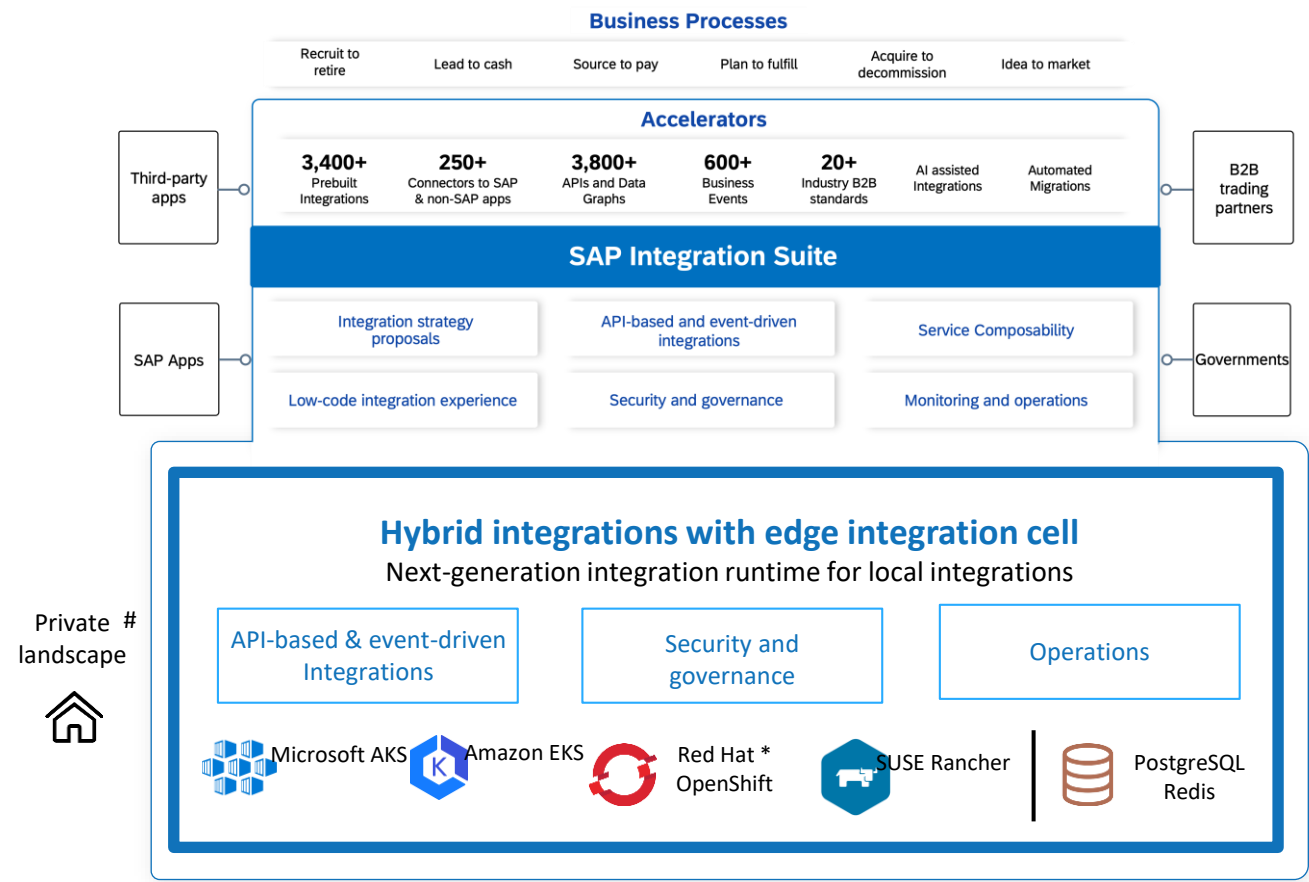


### SCALE CONFIDENTLY

- Approach more complex scenarios
  - Highly customized / code intensive
  - Ground-to-ground
  - Business-to-Business
  - Mission critical scenarios

# Edge Integration Cell

Next-generation “hybrid” integration runtime



## EDGE INTEGRATION CELL – WHY ?

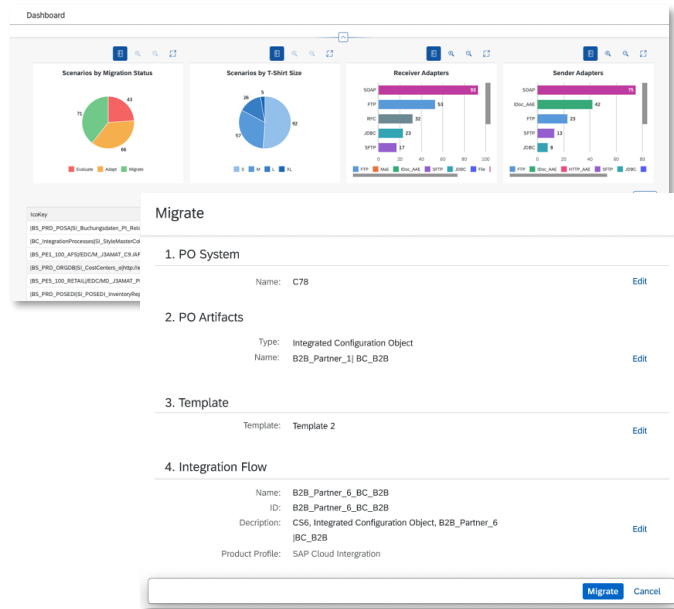
- Elevate the transformation journey for **SAP PIPO** Customers
- Stickiness of **on-premise / private cloud** install base
- Regulatory **Compliance**
- Embrace the modern cloud with **hybrid** architecture

# Private landscape corresponds to on-premise or private cloud.  
\* Part of the road map, beyond GA



# Assessment and Migration Tools

Accelerate your migration from SAP Process Orchestrator to SAP Integration Suite



## CAPABILITIES

### Automated interface assessment tool

- Automatically analyze SAP Process Orchestration interfaces. ICO's only
- Determine migration complexity estimated effort
- Check for technical showstoppers and provide possible workarounds

### Automated migration tool

- Semi-automated migration
- Template based approach (continuous enhancements)
- Automatically create integration flow in the Cloud Integration capability of SAP Integration Suite based on SAP Process Orchestration content
- B2B Assessment on Roadmap



## BENEFITS

- Accelerated migration
- Lower cost and project risk
- Included in SAP Integration Suite at no additional cost
- Optional: Migration Service for SAP Integration Suite (SAP Store)

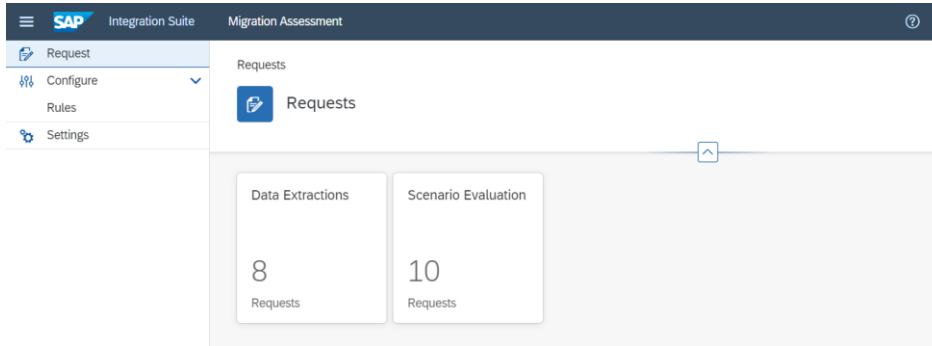
**60-90%** technical migration time savings for specific supported scenarios

- Generally available as part of SAP Integration Suite
  - CPEA, Standard and Premium edition
  - SAP BTP Free Tier
- Supports SAP Process Orchestration v. 7.5 SP06
- [Read the blog](#) and [documentation](#)

[Help: SAP BTP/PO v. 7.4 SP08 and 7.51 SP08](#)

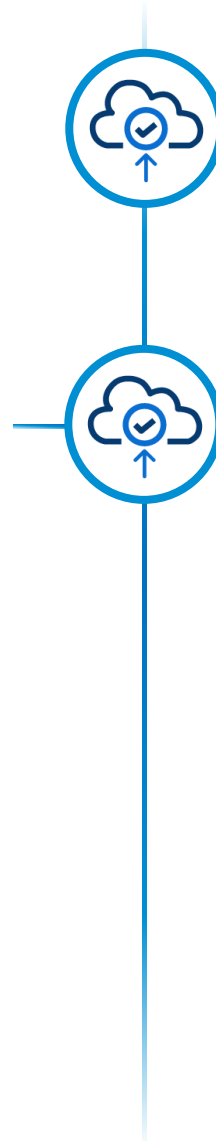


# Migration Assessment Capability of SAP Integration Suite



## Concepts

- Data extraction (ESR & Integration Directory) directly connecting to SAP Process Orchestration systems
- Evaluation based on flexible rules framework
  - Set of characteristics reflecting feature parity
  - Each rule has a weight impacting overall migration effort
  - More rules to be added in future
- Migration effort in t-shirt size and person days
  - Covers technical migration only
  - Based on experience from the field
  - Effort reduction due to similarity of scenarios (learning curve)
- Evaluation results
  - Dashboard, pdf & excel download
  - Statistics of scenarios by assessment categories, effort estimation, adapter types



## Assessment categories\*

- **Ready to Migrate**
  - Scenarios match to scenarios offered in SAP Integration Suite
  - Can be moved to SAP Integration Suite manually or semi-automatically
  - Additional configuration steps might be required
- **Adjustment Required**
  - Partially match to scenarios supported by SAP Integration Suite
  - Can be moved to SAP Integration Suite manually or semi-automatically
  - Further adjustments to end-to-end integration process based on best practices are required
  - Example: As File adapter is not supported, we would propose SFTP as alternative
- **Evaluation Required**
  - No match or match not known, some items require further evaluation
  - Example: Since In Order processing is not supported yet, scenario can't be migrated
  - Example: For custom adapter modules we are not able to do an automatic assessment

# Migration Tooling

## Concepts

- Migration wizard embedded in Cloud Integration designer
- Integration flows are semi-automatically created based on set of integration flow templates
- Framework automatically identifies fitting template; more than one template can be applicable
- Default template to at least upload mappings incl. message structures
- SAP Process Orchestration adapter metadata attributes are mapped to channel properties of Cloud Integration
- Manual adjustments such as maintaining security artifacts may be needed after integration flow creation

## Migration supported for following components

- Configuration artifact: Integrated Configuration Object
- Mode: Synchronous & Asynchronous
- Communication Channels: HTTP, REST, SOAP, IDOC, FTP, and SFTP
- Events: Message Start, Message End, Timer
- Mappings: XSLT, Message Mapping incl. source and target structures
- Converters: XML to JSON, JSON to XML
- Misc.: Router
- More components to be added in future such as support for XI adapter
- NOTE: [Documentation](#) has the latest details



1 Process Orchestration System 2 Process Orchestration Artifacts 3 Template 4 Integration Flow 5

### 2. Process Orchestration Artifacts

Type: Integrated Configuration Object

Name: |PIT\_Order\_SOAP\_01|xmb\_Order\_BE\_Out|http://sap.com/xi/Runtime/Test...  
[Hide Filters](#)

Sender Communication Channel: Migrate Process Orchestration Artifacts

Sender Communication Channel: 1 2 Process Orchestration Artifacts 3 Template 4 Integration Flow 5 Review

Receiver Communication Channel: 3. Template

1 Synchronous interface with 1 message mapping for request, 1 message mapping for response, and 1 receiver.

Template: P2P\_SYNC\_0001 ?

[Previous](#) [Next Step](#) [Cancel](#)

## Supported Templates

- Point-to-Point Sync w/ & w/o mappings
- Point-to-Point Sync incl JSON conversion
- Point-to-Point Async w/ & w/o mappings
- Point-to-Point Async variants for different Exactly Once setup
- Point-to-Point Async incl JSON conversion
- Content Based Routing
- Command Message (timer based)
- Message Filter
- More templates to be added in future
  - NOTE: 21 templates today [see documentation](#) for details



# Automated Integration Testing

Accelerate your migration from SAP Process Orchestration to SAP Integration Suite



## ABOUT

- Headquarter: Zug, Switzerland
- Founded: 2011
- Leader in automated SAP integration testing
  - SAP Process Orchestration/Integration migration tools to SAP Integration Suite
  - Automated SAP API testing
  - Integration platform test automation
- Core team of SAP integration experts, SAP Press authors, and SAP Mentors



**SAP® Certified**  
Integration with SAP S/4HANA®

## CAPABILITIES

- Automatically create and execute test cases
- Automatically capture messages from productive landscapes using Int4 Robotic Crawler
- Simulating 3<sup>rd</sup> party systems and B2B partners with captured messages
- Validate message routing, mapping, and translation
- Audit test quality
- Scale to millions of test cases
- SAP certified ABAP add-on; whitelisted for SAP Private Cloud (SAP\_BASIS & SAP\_ABA 7.40; Fiori UI Optional SAP\_UI 7.54 SP02 See [SAP Note 2796241](#))



Available on  
**SAP Store**

[Get Int4's automated test tool for FREE today!](#)



## BENEFITS

- Lower cost and risk of migration
- Increase the productivity of testing teams and cut dependency on functional teams
- Detect issues early in the migration process
- Minimize the risk of human error
- Create thousands of test cases in minutes
- Simplify conversion to new industry standards message formats

**Americas  
Styrenics,  
LLC**

**40** Interfaces migrated from SAP Process Integration to SAP Integration Suite

**Zero** Post-go-live incidents or business interruptions with the SAP Integration Suite configuration



## ABOUT

- Headquartered in Copenhagen, Denmark
- Founded in 2008
- Software solutions to automate and optimize development and testing with SAP integration solutions:
  - Regression test creation
  - DevOps focused transport tools (App Lifecycle Mgmt.)
  - Automated migration of SAP Process Orchestration /Integration (PI/PO) to SAP Integration Suite
  - Monitoring and alerting capabilities



# Automated Integration Testing

Accelerate your migration from SAP Process Orchestration to SAP Integration Suite

## Figaf Migration Edition

### CAPABILITIES

- Automatically generate test scripts & creation of test data
- Advanced testing capabilities like
  - Mocking endpoints
  - Ensuring compliance with confidential data sets
- SAP PI/PO migration process management & automation
  - Complete migration status overview
  - Generate test data from SAP PI/PO & compare results
  - Migrate/test from SAP PI/PO 7.1 to 7.5
- Built on SAP BTP (Cloud Foundry)
- 12 months FREE usage of testing tools for migration purposes
- 2 months FREE trial of full DevOps Suite with migration tools
- Runs on customer SAP BTP or Desktop (Java JRE 8+; PostgreSQL 11+)



Available on  
**SAP Store**



### BENEFITS

- Deliver integrations faster & with less risk & cost
- Simplify integration & improve governance
- Improve developer & testing productivity
- Avoid interruption of business processes
- Simplify & reduced costs of migration from SAP PI/PO to SAP Integration Suite

[Get Figaf's free regression tool today!](#)



# SAP Integration Suite Helps You Be More Efficient

Forrester Consulting Total Economic Impact™ Study

**\$327,000**

Cost savings from retiring legacy on-premises integration tools

**\$195,772**

Efficiencies from using pre-packaged integration flows

**90%**

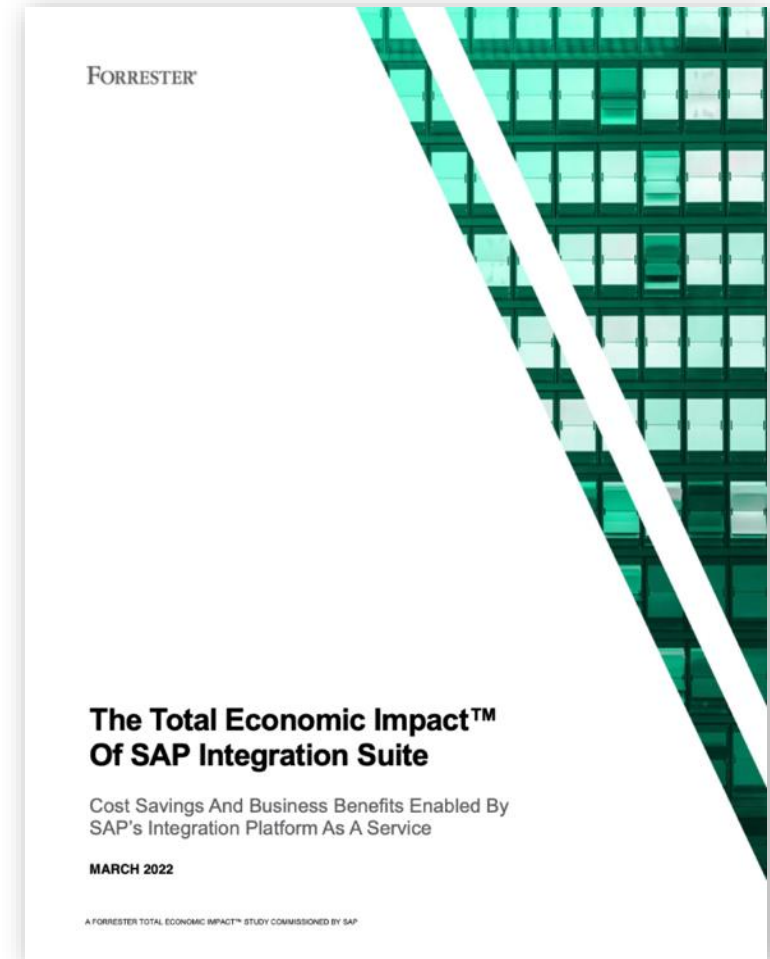
Increase in efficiency for monitoring, troubleshooting, & maintaining application interfaces

**85%**

Improvement in integration development efficiency

**80%**

Faster time to value of new business applications



[Download the Study](#)

# Demonstration

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## Migration Assessment and Migration Tooling



# Wrap Up

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[Migration guide](#) for SAP Process Orchestration

Asset interoperability

- Reuse of mappings, data types\*, and message types\*
- See [blog series](#)

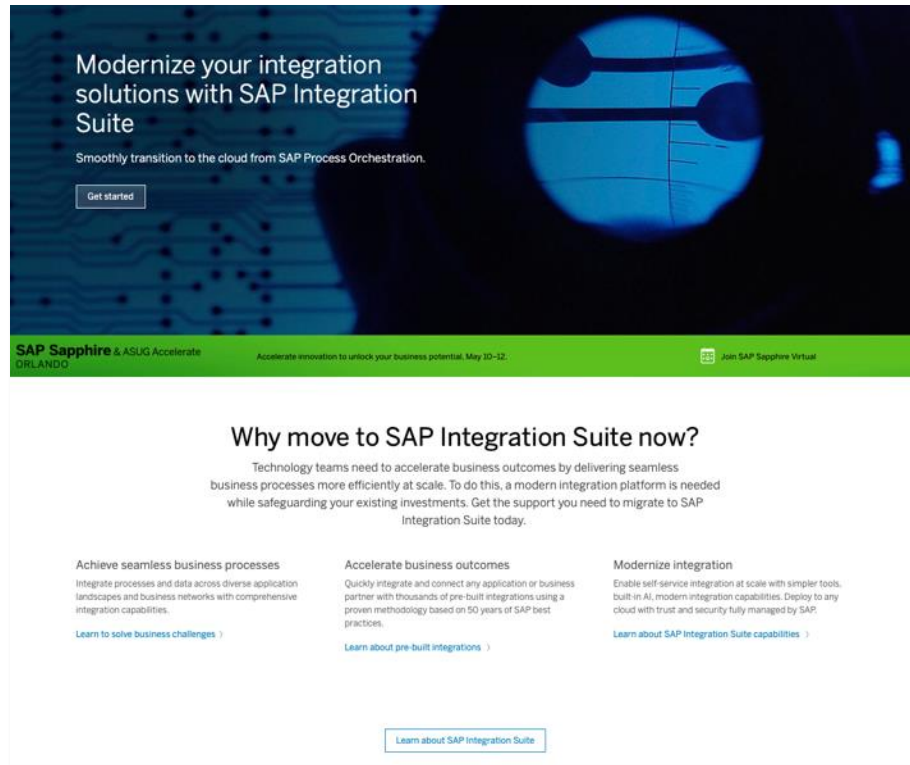
Design guidelines

- See [documentation](#)
- Integration packages at [api.sap.com](https://api.sap.com) incl. postman collections

Enterprise Integration Patterns

- See [blog series](#) comparing patterns on **SAP Process Orchestration** vs. **SAP Integration Suite**

# Where to Find More Information



## [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](https://sap.com/integration) website, 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

[SAP Business Technology Platform free tier](#)



### Customers

[SAP Integration Suite customers](#)



### Roadmap

[SAP Integration Suite roadmap](#)

# SAP is here to help.

Contact your local SAP representative

[sap.com/corporate/en/company/office-locations.html](https://sap.com/corporate/en/company/office-locations.html)

# Key Points to Take Home

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- **Future-proof** your **investments** and move to multi-cloud
- Think strategically – “**Lift-N-Transform**”
- Start **Simple** and Scale **Confidently**
- Take advantage of **Evolve Neo** and **Migration Factory**. Free programs
- SAP Integration Suite: Versatile, Hybrid and Enterprise-Grade integration platform .

# Thank you! Any Questions?

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Please remember to complete  
your session evaluation.



# SAPinsider



## SAPinsider.org

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with more than  
800,000 members  
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