SAP BTP Customer Value Network - Accelerate your SAP Process Orchestration move to the SAP Integration Suite for Brazil

Creating an Integrated Intelligent Enterprise

SAP Latin America | August 9, 2022

Todays Hosts:

Vitor Lovisaro

PUBLIC

THE BEST RUN SAP

Agenda – August 9

	Day	Topic	Dur.
	2:00pm BR	**Palavras de boas-vindas** Vitor Lovisaro - Customer Engagement Executive – SAP Platform and Technology Cloud SAP Latin America and Caribbean (LAC)	5 min
	2:05pm BR	**Introdução ao Movimento de Integração** Edson Thomaz - Business Technology Platform Expert SAP Brazil	10 min
	2:20pm BR	**SAP Migration Factory para SAP BTP** Edson Thomaz - Business Technology Platform Expert SAP Brazil	10 min
	2:40pm BR	**Visão geral dos serviços de integração do SAP Services and Support** Perci Silva - Business Technology Platform Expert SAP Brazil	20 min
	2:50pm BR	**Partner Migration Support – Cienci** Marcelo Begliomini SAP Integration Architect Cienci'	10 min
	3:10pm BR	**Material de Apoio e Q&A** Vitor Lovisaro - Customer Engagement Executive – SAP Platform and Technology Cloud SAP Latin America and Caribbean (LAC)	5 min

Agenda

- Words of Welcome
- Integration Move Introduction
- SAP Migration Factory for SAP BTP
- Overview of integration migration services from SAP Services and Support
- Partner Migration Support - Cienci
- Resources
- Expert Q&A

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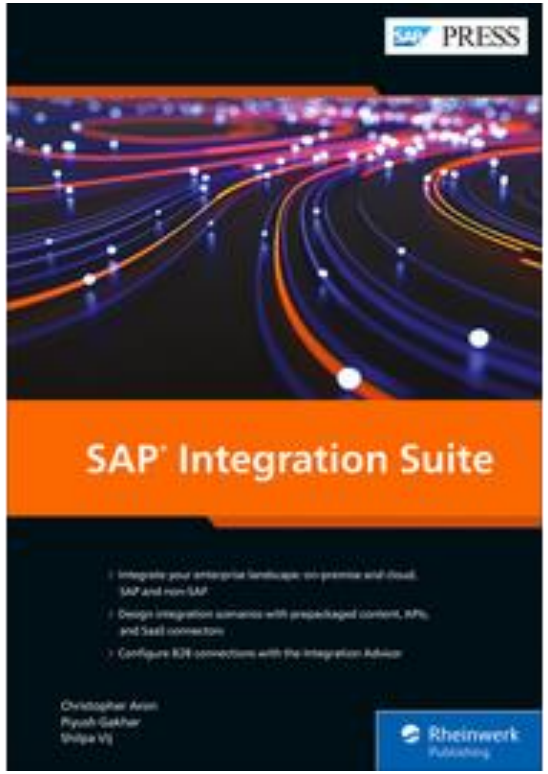
First 5 customers with Audio questions will receive the SAP Integration Suite eBook



After you ask your question please forward me (toros.aledjian@sap.com) your Name, Company name and email address and I will send you the Copy with your activation code and instructions on how to activate your copy.

Thanks

You will need to go to the following link to activate your copy

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All of our attendees who complete the survey will receive the following eBook

We will be giving a free copy of the eBook **“Developing Groovy Scripts for SAP Cloud Platform Integration”** to the first 10 participants who have completed our Webinar Survey during our webinar.

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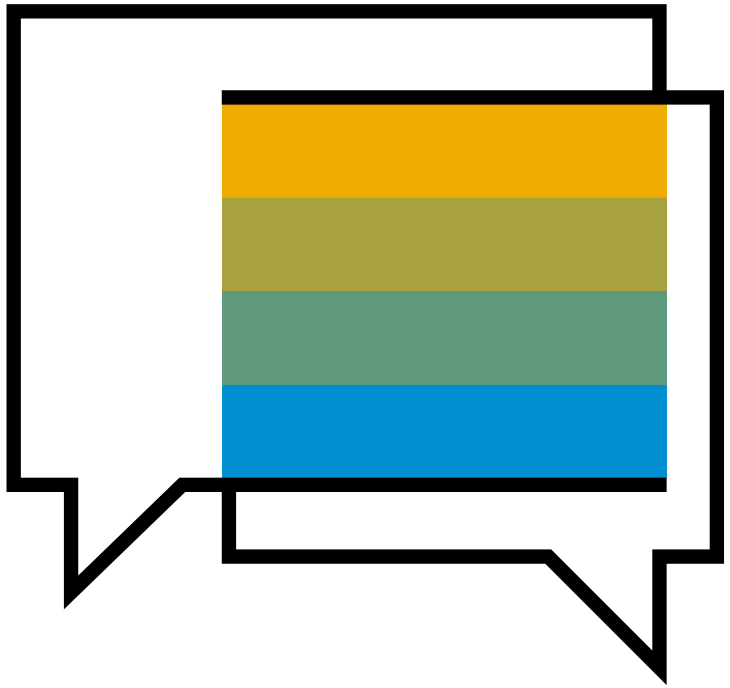
Feedback



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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

Initial Market Entry

SAP Exchange Infrastructure

Connectivity Add-on (AEX)

SAP Process Integration

Simpler Architecture (Single Stack)

SAP Process Orchestration

Business-to-Business innovation

SAP Cloud Platform Integration

SAP HANA Cloud Integration

Business-to-Government

SAP API Business Hub

SAP Integration Suite

API Management

Integration Advisor

SAP Event Mesh

2003

TODAY

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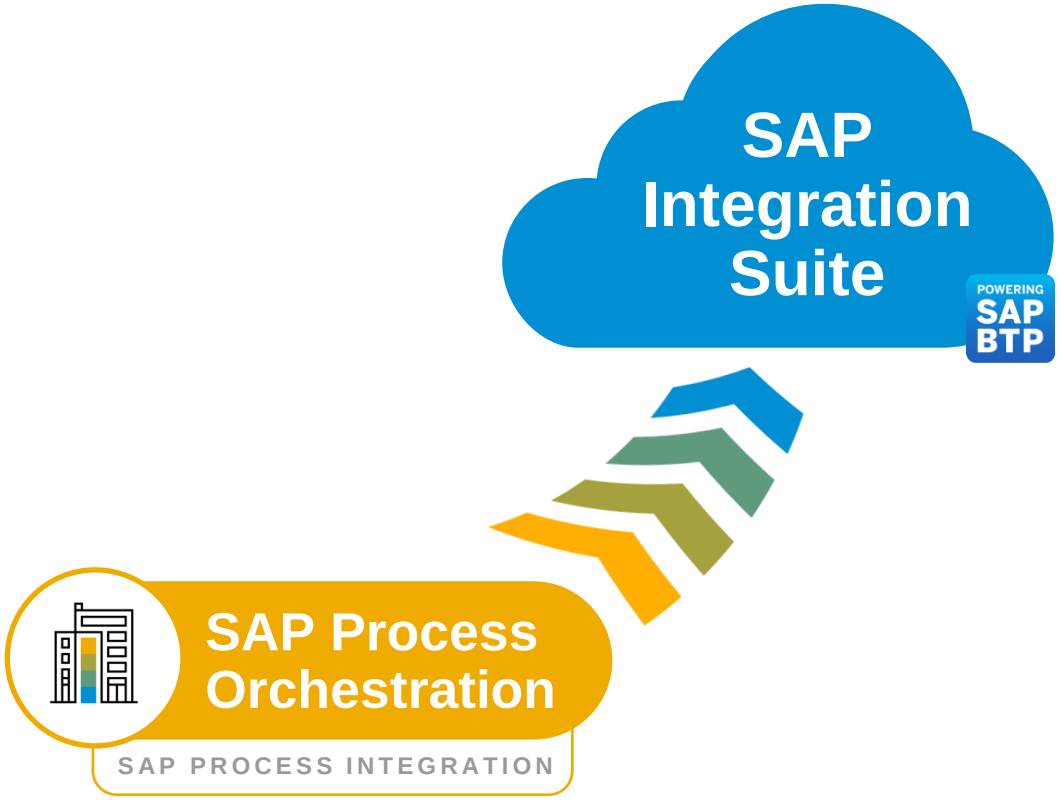
Modernize integration to power your transformation journey

POINT-TO-POINT

STANDARDIZED



End of Standard Maintenance 2027

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 Process Automation

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

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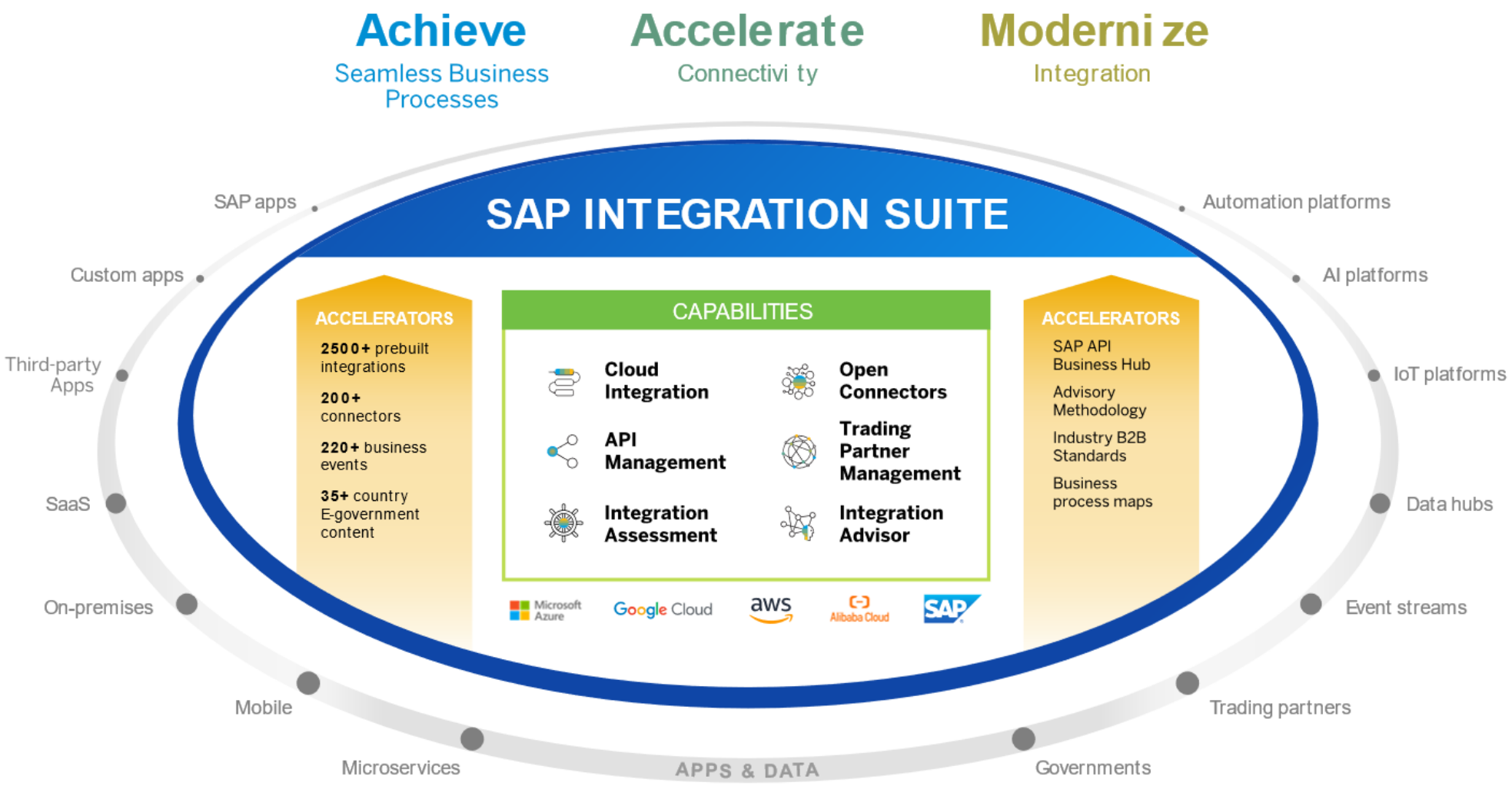
Connect and automate your business



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Embrace cloud integration at your own pace preserving existing investments

Harrods

60%

Reuse of existing content in SAP Process Orchestration Enterprise Services Repository

40%

TCO reduction across its integration landscape

Customer Story Video

Phased migration
approach with services to support you every step of the way

Reuse skills
you developed with SAP Process Orchestration with SAP Integration Suite

Flexible lifecycle management model to support any tools and processes you already have in place today

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Embracing cloud-based integration for business impact with SAP

AmSty

12 weeks

migration from SAP Process Orchestration to SAP Integration Suite **with ZERO downtime**

Customer Story

Eneco

50 to 60%

lower annual total cost of ownership with SAP Integration Suite

Customer Story

MURPHY OIL CORPORATION

360+

interfaces consolidation and migration*

Customer Story

***Including from Boomi and MuleSoft**

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SAP & partners help customers modernize integration each step of the way

SELF-SERVICE CONTENT

1

Self-service content to help customers through each step

SAP MIGRATION FACTORY

2

Free assessment and planning (2-3 weeks)

SUPPORT AND SERVICES FROM SAP & PARTNERS

3

Proven services and tools to simplify set up, implementation and testing

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Take a strategic approach to modernizing integration

Invest on 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**."

Self-Service Content and Tools

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

SAP Migration Factory

Free assessment & planning

- 2-3 week engagement
- SAP Process Integration/Orchestration to SAP Integration Suite
- Cloud Integration (Neo to Cloud Foundry)
- Other SAP BTP products (E.g. SAP HANA)

SAP Services and Support

Paid SAP Consulting Services

- Planning Service
- Infrastructure Setup Service
- Implementation Service

Partners

Many partners available to support migration needs

INT4 IFTT — SAP Store

Figaf — SAP Store

Source:
Gartner®, How to Successfully Migrate to a New Integration Platform, Abhishek Singh, October 2021
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Fast track your integration modernization journey to the cloud

with SAP Migration Factory for SAP Integration Suite

VALUE DELIVERED

Simplify and accelerate migration from SAP Process Orchestration and other legacy systems

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Take advantage of FREE detailed integration assessment and planning

- Includes architecture and design review, sizing, education, and scoping

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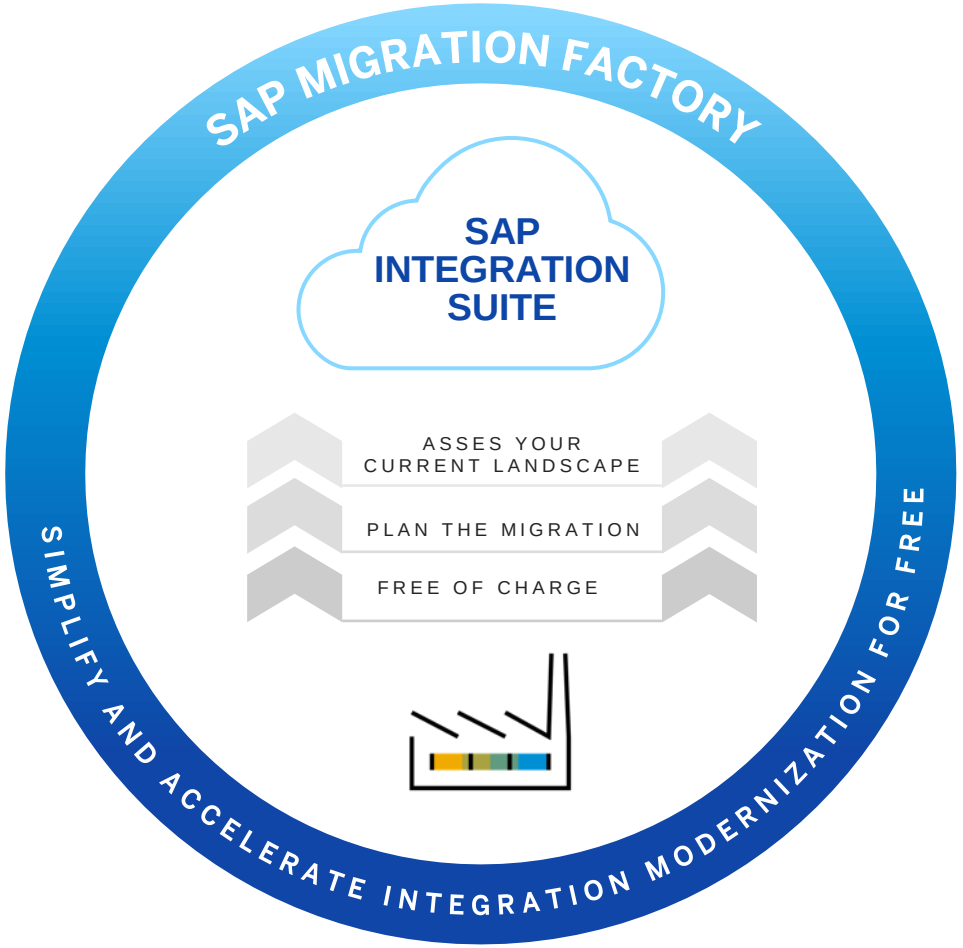
Trusted best practices and services from SAP and ecosystem partners



Maximize return while reducing business impact, complexity & risk

Engage: migrationfactory@sap.com to get started

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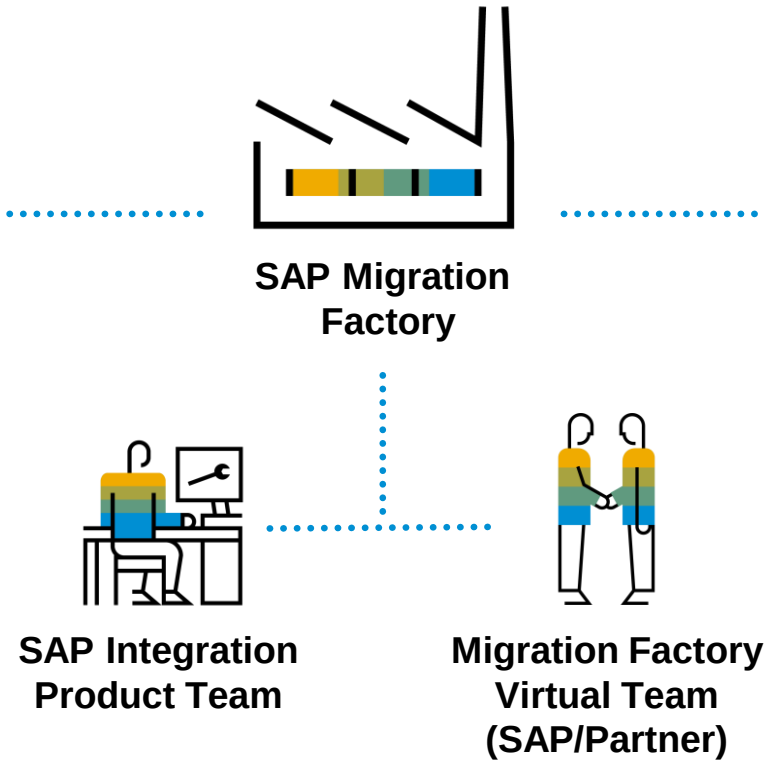
SAP Migration Factory

Assessment and Planning Process

Customer Input

- Fill-out questionnaire
- Run automated assessment utility
- Review as-is architecture
- 2-to-3 (1 hr.) technical call's 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 and cost)

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SAP Migration Factory

Detailed Engagement Model

Transfer to Customer, SAP Services or Partner

Migration Assessment
FREE

STEP 1: Define Scope
(Capture Information & Analyze)

1-2 WEEKS

Information / Access Required

- Migration Questionnaire
- Review as-is architecture & landscape (including interfaces and applications)
- Access to current environment (ideal but optional)

Access to Customer SME

- 2-to-3 (1 hr.) technical call's with customer

STEP 2: Migration Plan
(Approved by Customer)

1 WEEK

Review and Approve

- Migration Scope (inventory of integrations; SAP & non-SAP)
- Migration Roadmap (Dev/QA/Production cutover)
- Migration Plan (timeline, effort and cost)

SAP Integration Suite Education

- Migration Benefits & IS Education

Migration Execution
PAID

STEP 3: Migration Prep & Execution

Migration Execution

- Ramp-up customer: SAP Integration Suite
- Prepare environment (Dev/QA/Prod)
- Migrate artifacts
- Test & adjust migration
- Go-live
  - Configure production integration/apps
  - Monitor for issues
  - Final enablement/sign-off by customer

Create Project Plan

Engage: migrationfactory@sap.com to get started

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Integration Migration Services from SAP Services and Support

1 **Migration Services Overview**

2 **Assessment and Migration Tool Pilot Overview**

3 **Assessment Tool Pilot Demo**

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Challenges

Migration possible?
Effort to migrate?
Pre-built content available?
Hands on via proof of concept?

Future integration landscape?
Which SAP BTP integration services?
Operations and security strategy?

Best practice implementation?
Impact on future organization?
Enablement?

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SAP Consulting Service Portfolio for Integration

Integration Planning Service

Integration Infrastructure Service

Integration Implementation Service

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SAP Consulting Service Portfolio for Integration

Discover and Prepare

Integration Planning Service

Information	
Engineered Service	
Pricing	T-Shirt sized fix price
Typical Effort Duration	10 - 30 days 4 - 6 weeks

Prepare and Explore

Integration Infrastructure Service

Information	
Engineered Service	
Pricing	T-Shirt sized fix price
Typical Effort Duration	Up to 10 days 2 - 4 weeks

Explore, Realize and Deploy

Integration Implementation Service

Information	
Engineered Service	
Pricing	Based on LoB scope or result from Planning Service
Typical Effort Duration	Depends on Scope Depends on Scope

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SAP Consulting Service Portfolio for Integration

Discover - Prepare - Explore - Realize - Deploy

Integration Planning Service

Service scope options

- Discovery integration suite
- Discover S/4HANA Integration
- Architecture of integration landscape based on ISA-M methodology
- Tool-based interface assessment for implementation, migration or upgrade on Integration Suite, PI/PO or AIF
- Effort estimation and project plan

Benefits and outputs

- Decision enablement
- Solution proposal
- Grouping and prioritization of interfaces
- Project schedule
- Effort estimation

Integration Infrastructure Service

Service scope options

- Set up technical integration architecture
- Activation of Integration Suite
- Maintenance and operations strategy of integration landscape
- SAP Best Practice governance and security Guidance

Benefits and outputs

- Provision of a ready-to-use system
- Reduction of configuration and maintenance work
- Usage of SAP best practices to enable interoperability between systems
- Reliability by fixed price and predefined timeline

Integration Implementation Service

Service scope options

- Design
- Realization
- Cutover Preparation & Go-Live
- Technical solution design using Design Guidelines for Enterprise Integration Patterns
- Implementation using Best Practices
- Standard Content

Benefits and outputs

- Reduced costs and resource effort thanks to a preconfigured, ready-to-run solution
- Elimination of risk through proven reference-solution architecture
- Increased innovation adoption and decreased time to value through agile and lean principles
- Accelerated enablement and increased engagement

Tools and methodologies

- **SAP Integration Assessment**
- PI Elevation - Pilot service
- SAP Activate
- **Integration Solution Advisory Methodology (ISA-M)**
- S/4 HANA Integration Readiness Check
- SAP Integration Suite B2B Features

Advisory / Enablement / Review / Project management

Expert on Demand / Technical Consultant / Integration Architect

Who Is Involved? Project Roles*

Who is involved? SAP

Project Manager
Guide the customer through the implementation service process from preparation to deployment

Technology Architect
has in-depth architectural and design skills to design the solution.
has in-depth know-how of product and technologies and how to implement them.
Has a mindset to represent the consumer perspective and ensure desirability and end-to-end customer experience

Technology Consultant
has integration and connectivity knowledge to integrate the solution in the customer landscape and to connect to the selected data source

Who is involved? Customer

Customer Project Manager
Single point of contact for SAP. Management of resources, resolving issues, project plan, project status and decision-making process through the steering committee.

Customer Technology Lead
Responsible for working with the SAP team to finalize the architecture and internally process the provisioning of required hardware infrastructure

Customer IT Functional Lead
SAP backend lead with understanding of the backend configuration

Customer Business Lead
Establishes the bridge between IT and the business. Owns business processes, approves the solution and is the key liaison between the project and the business.

*might be combined

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Integration Migration Services from SAP Services and Support

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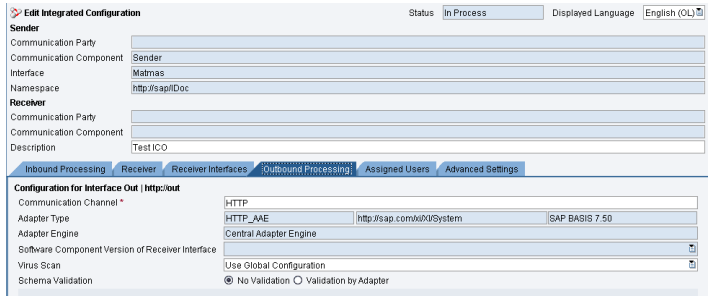
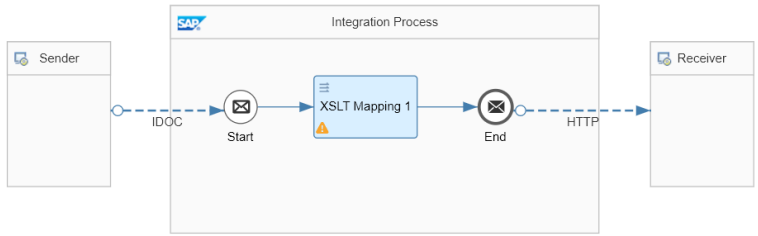
Migration from SAP Process Orchestration to SAP Integration Suite

SAP Process Orchestration



Integrated Configuration

SAP Integration Suite



Integration Flow

On-Premise

Cloud

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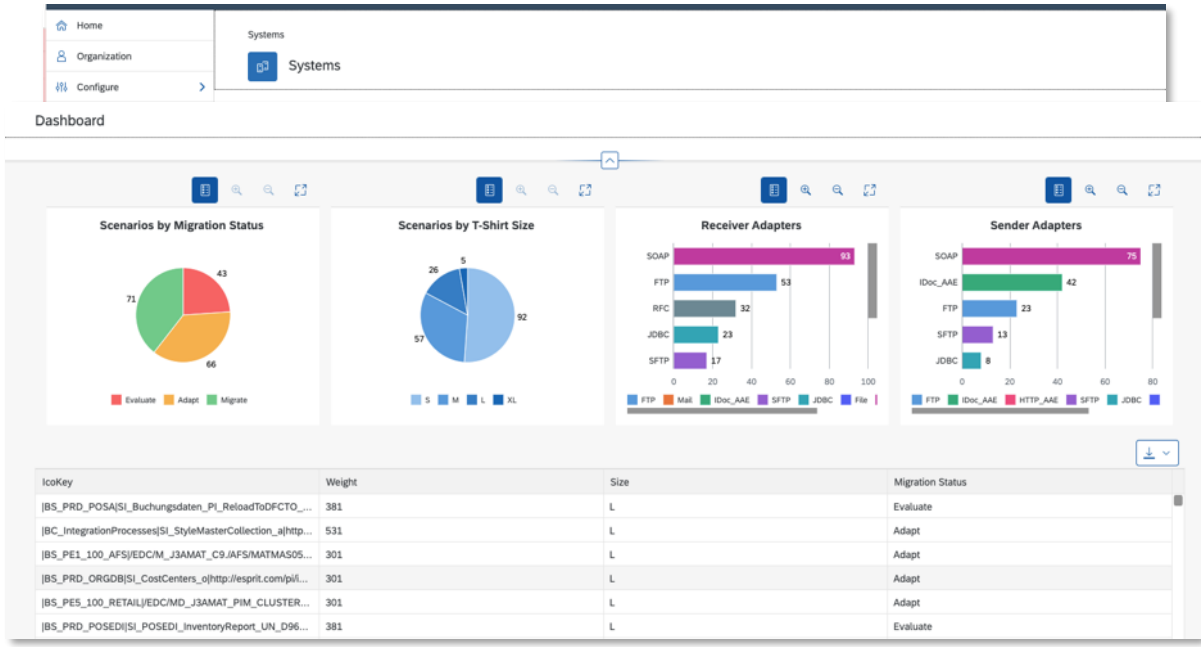
Automated Interface Assessment Tool & corresponding service offering

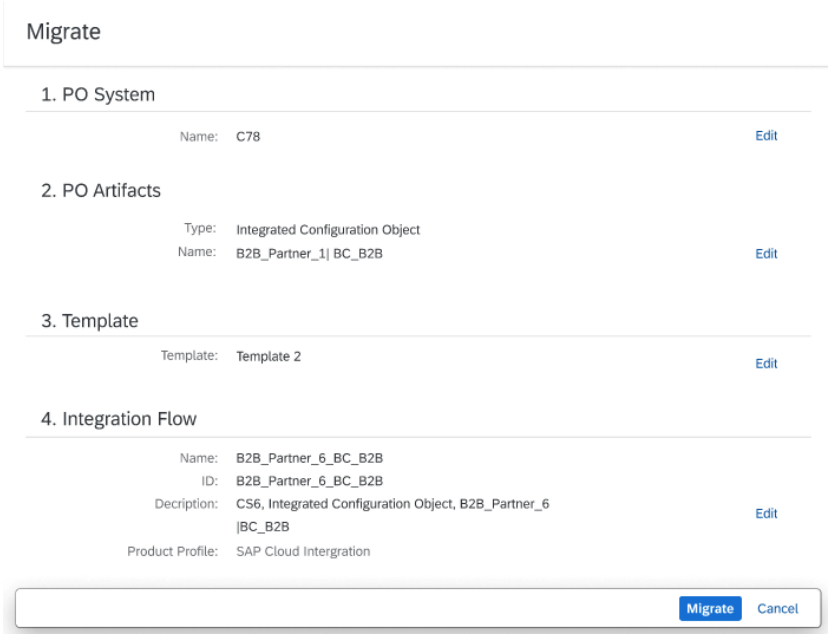
Interface Assessment Tool

- Assess your current SAP Process Integration / SAP Process Orchestration landscape **automatically**
- Estimate migration effort
- Check for technical showstoppers & provide possible workarounds
- Optional: Coaching & expert support
- Part of the Integration Suite

Migration Tool

- Semi-automated migration
- Automatically create interfaces in the Cloud Integration capability within SAP Integration Suite based on SAP Process Integration / SAP Process Orchestration content
- Template based approach





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Availability

- Migration will be supported for SAP Process Orchestration 7.5 Integrated Configurations (ICO) and Integration Flows
  - Out of Scope: “Classical” configurations, BPM
- Migration assessment & migration will be supported in SAP Integration Suite Standard and Premium Edition
- Beta program planned to start end of Q3 2022

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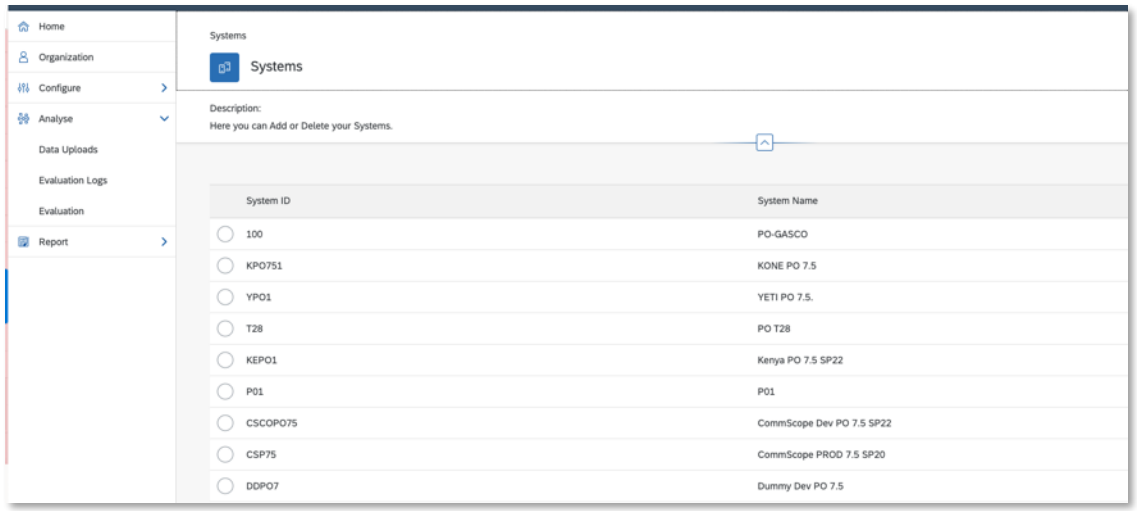

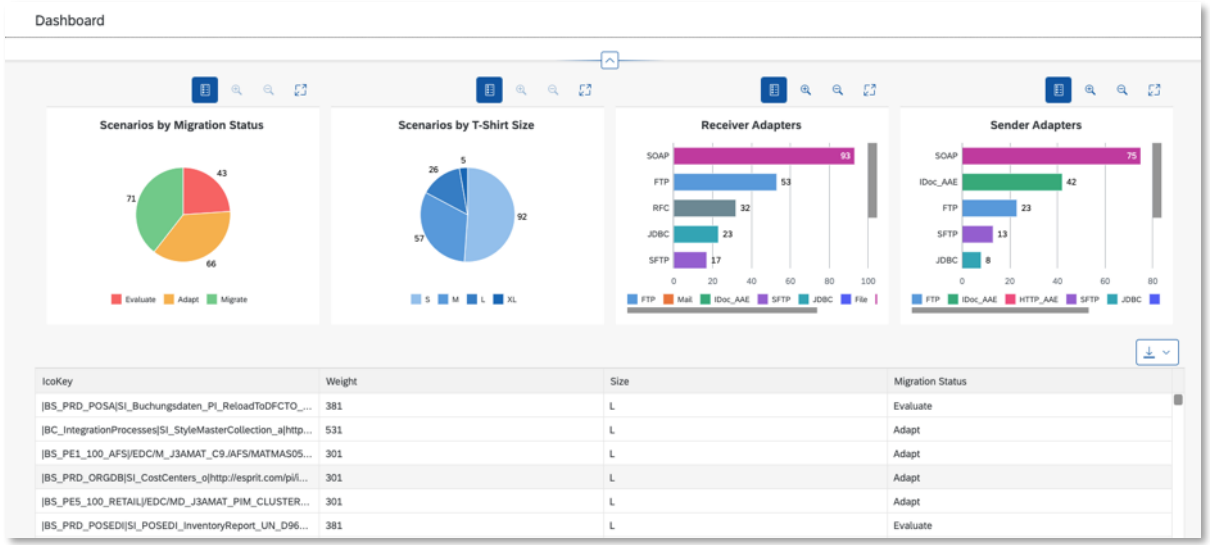

3 Assessment Tool Pilot Demo

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STRONG Soluções em RH

L4E Lab For Extensions

Cienci Soluções Inteligentes

RH

SAP SuccessFactors

S/4HANA

HCM / HXM

POWERING SAP BTP

SAC

POWERING SAP BTP

Inovação

POWERING SAP BTP

S/4HANA

SAC

ECC

Cienci Soluções Inteligentes

Cienci

Presente no mercado desde 2007, atua em proporcionar **soluções inteligentes** com excelência no atendimento e, principalmente, na construção de **relacionamentos de logo prazo** com **clientes, parceiros e colaboradores**.

Missão

Promover o desenvolvimento do ecossistema SAP através da **busca contínua de conhecimento em novas tecnologias e inovação** e na qualidade dos serviços, produtos e colaboradores.

Visão

Ser reconhecida como uma **Consultoria de alta Qualidade e Inovação** no segmento SAP, através de nossos **Projetos**, **Serviços** e **Produtos** entregues com soluções diferenciadas e atuação consultiva aos nossos clientes e parceiros.

Nossos Valores

Somos pautados por **valores** que **transferem a visão dos sócios:**

- Ética e Respeito nas relações;
- Excelência e Eficiência;
- Compromisso com a transparência e correção;
- Satisfação em atender bem.

Principais clientes:

Braskem, SAP, natura bem estar bem, ZF, ifood, eloPar, Klabin, LafargeHolcim, Valeo Service, SantaCruz, CMPC Melhoramentos, Whirlpool Corporation, ArcelorMittal, BUNGE, Hidrovias do Brasil, Eurofarma Ampliando horizontes, Bayer

Cienci
Soluções Inteligentes

Cases e Aceleradores

Integrações SAP e Não SAP

Etapas do Processo de Migração

Evaluate

- Levantamento dos artefatos a serem migrados
- Análise dos aspectos de conectividade para posteriores setup de infra
- Definição do que migrar ou manter no Onpremise

Plan

- Definir Cronograma
- Definir as atividades de migração
- Estratégia de comunicação com os parceiros (senders e receivers)

Prepare

- Onboard do IS
- Gestão de acessos (usuários e roles)
- Setups de Conectividade
- Importação/Criação de artefatos de segurança, autenticação e conexão
- Migração/Configuração dos artefatos de integração
- Governança dos tenants (Monitoring e GMUD)
- Definições de boas práticas

Test

- Teste Integrado com os senders e receivers
- Testes das conexões
- Deploy versões preliminares

Migrate

- Teste Integrados End-to-End
- Deploy versão final dos artefatos de integração

Live

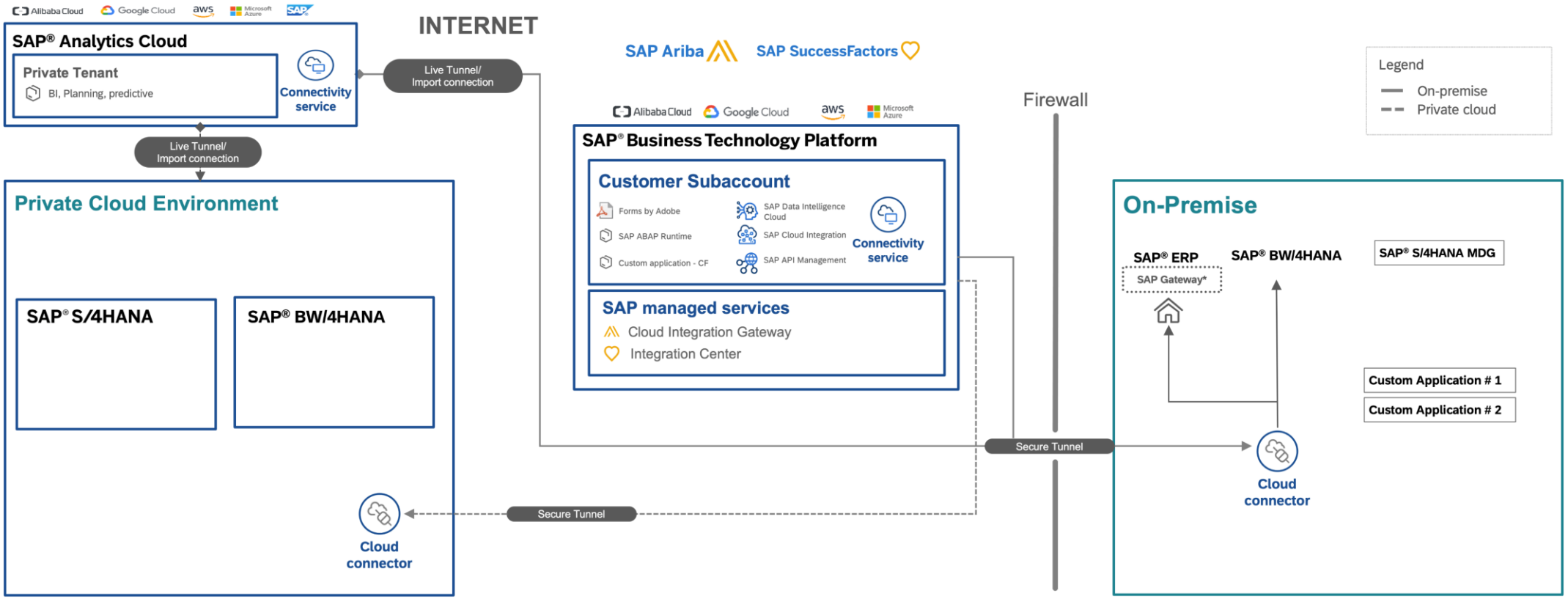
- Transporte dos artefatos para o tenant de PRD
- Disponibilização dos endpoints e credenciais
- Deploy produtivo
- Monitoria

Cienci
Soluções Inteligentes

Questões Técnicas - Conectividade

Conectividade

Setup do SAP Cloud Connector entre a(s) Sub Account(s) BTP do Integration Suite e os Sistemas On-Premise, conforme o tipo de comunicação: JDBC, RFC, IDOC, SOAP, SFTP, ABAP Proxy...



Cienci
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Questões Técnicas - Desenvolvimento

Desenvolvimento

Basicamente, cada artefato de integração, precisa ser criado do zero no Integration Suite.

Na prática, coloca-se lado a lado as integrações antigas versus a criação da nova integração no Integration Suite, replicando a mesma linha lógica de construção da integração.

Alguns objetos podem ser reaproveitados do PI-PO (Message Mappings, WSDL, XSD...) com os devidos cuidados e checagens necessárias devido à algumas restrições. Na prática, muitos dos objetos precisam ser reconstruídos através dos patterns de integração do Integration Suite.

Como exemplo, alguns dos objetos que precisam ser reconstruídos:

ABAP Mapping, Java Mapping, JDBC Lookup e RFC Lookup.

Estimativas de Tempo

Abaixo os principais pontos a serem explorados, para determinação das estimativas e atividades necessárias para migração.

Avaliação do Ambiente

- Levantamento e listagem das integrações existentes
- Levantamento da complexidade de acordo com as características de cada interface
- Levantamento do landscape e questões de conectividade

Onboard BTP – Integration Suite

- Onboard completo do Integration Suite, bem como ajuda na definição do landscape de subaccounts.

Governança

- Definições sobre as necessidades de implementação do modelo de GMUD, Monitoring do Cloud Integration, “Naming Conventions”, questões de segurança (acessos, roles e credenciais), “Quality Gates”, e manuais de boas práticas.

Racional de Esforço (Complexidade) por Interface

Baixa =

Média =

Alta =

Muito Alta =

Cienci
Soluções Inteligentes

Caso de Sucesso

Projeto de Migração de PI para o IS do SAT PM

Tempo de Projeto: 7 Semanas

Número de Integrações: 10

Objetivo

Migração das 10 integrações existentes oriundas do SAP PI, para o Integration Suite.

São integrações de dados relativas aos processos do módulo de PM do SAP, que tem o objetivo de tratar os processos pelo sistema especialista SAT PM, efetuando as trocas de documentos de PM (criação e alteração).

Cienci
Soluções Inteligentes

Caso de Sucesso

CIENCI Soluções Inteligentes							
Mês/Semana	1	2	3	4	5	6	7
Migração PI do SAT PM	F0	F1	F2	F2	F3	F4	F5
F0 - Arquitetura e Solução	F0						
F1 - Preparação Inicial + Blue Print		F1					
F2 - Realização: Configuração e Desenvolvimento			F2	F2	F2		
F3 - Realização: Teste Unitário e Teste Integrado					F3		
F4 - Preparação Final						F4	
F5 - Go-Live e Suporte							F5

S1

- Levantamento dos artefatos a serem migrados
- Análise dos aspectos de conectividade para posteriores setup de infra
- Definição do que migrar ou manter no Onpremise

S2

- Definir Cronograma
- Definir as atividades de migração
- Estratégia de comunicação com os parceiros (senders e receivers)
- Onboard do IS
- Gestão de acessos (usuários e roles)

S3, S4, S5

- Setups de Conectividade
- Importação/Criação de artefatos de segurança, autenticação e conexão
- Migração/Configuração dos artefatos de integração
- Governança dos tenants (Monitoring e GMUD)
- Definições de boas práticas
- Teste Integrado com os senders e receivers
- Testes das conexões
- Deploy versões preliminares

S6

- Atividades de Cutover
- Deploy versão final dos artefatos de integração

S7

- Transporte dos artefatos para o tenant de PRD
- Disponibilização dos endpoints e credenciais
- Deploy produtivo
- Monitoria

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Agenda

- Words of Welcome
- Integration Move Introduction
- SAP Migration Factory for SAP BTP
- Overview of integration migration services from SAP Services and Support
- Partner Migration Support - Cienci
- Resources
- Expert Q&A

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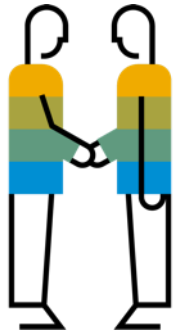
Get Started Today

Learn more

- Integration Strategy
- Migration Guide
- SAP Community (blogs, videos)

Try SAP Integration Suite

- Free Tier
- Discovery Missions



Get support to accelerate migration

- SAP Migration Factory (Free Assessment)
- SAP Migration Services from SAP Services
- Trusted Partners

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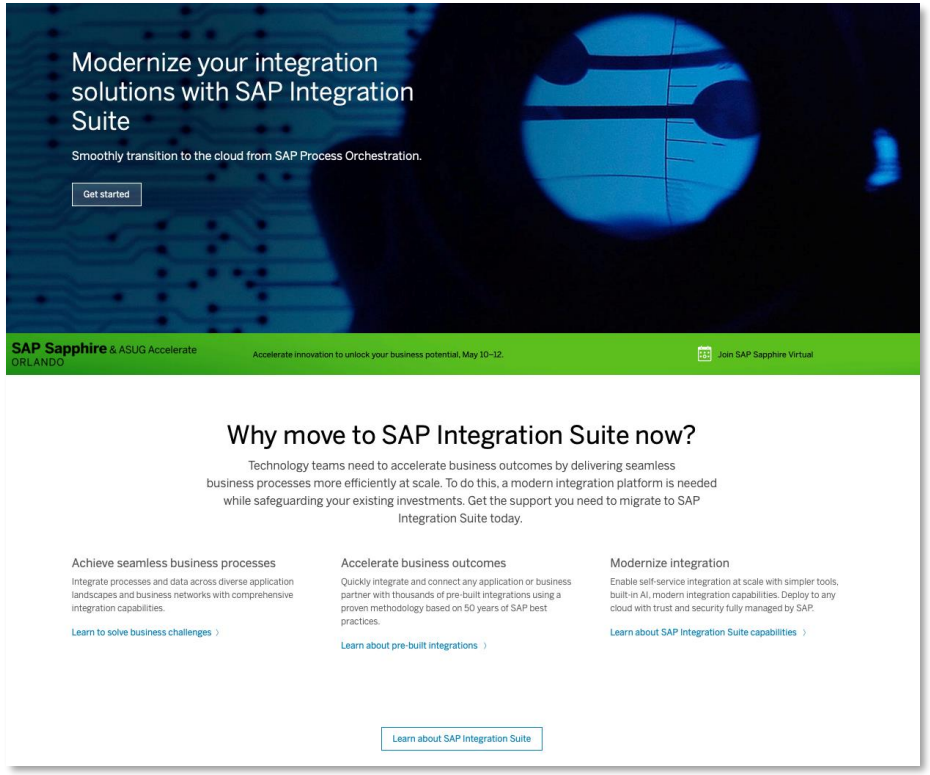
Find out more



Get support migrating to SAP Integration Suite

Detailed content and programs to support SAP Process Integration and Orchestration customers move to SAP Integration Suite

Learn about SAP Integration Suite

Check out the **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

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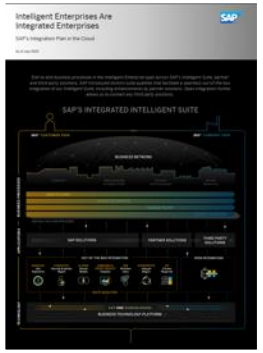
SAP Integration Strategy Guides

Lines-of-Business Focus
Intelligent Suite



[SAP's integration plan in the cloud]

Published by SAP Board

- Integration strategy for the Intelligent Enterprise
- Intelligent Suite: end-to-end processes, suite qualities, and road maps

Technology Focus
Business Technology Platform

[CIO Guide: SAP's Hybrid Integration Platform for the Intelligent Enterprise]

- High-level summary of Integration Architecture Guide
- Management abstract for SAP's hybrid integration platform and methodology

[Integration Architecture Guide for Cloud and Hybrid Landscapes]

Based on SAP Integration Solution Advisory Methodology

- Deep-dive on integration patterns including SAP recommendations
- Focus: SAP Integration Suite and SAP Data Intelligence

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Best Practices for Moving Existing Integration Scenarios to SAP Integration Suite

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 incl. postman collections

Enterprise Integration Patterns

- See blog series comparing patterns on **SAP Process Orchestration** vs. **SAP Integration Suite**

* Roadmap item: this is the current state of planning and may be changed by SAP at any time without notice.

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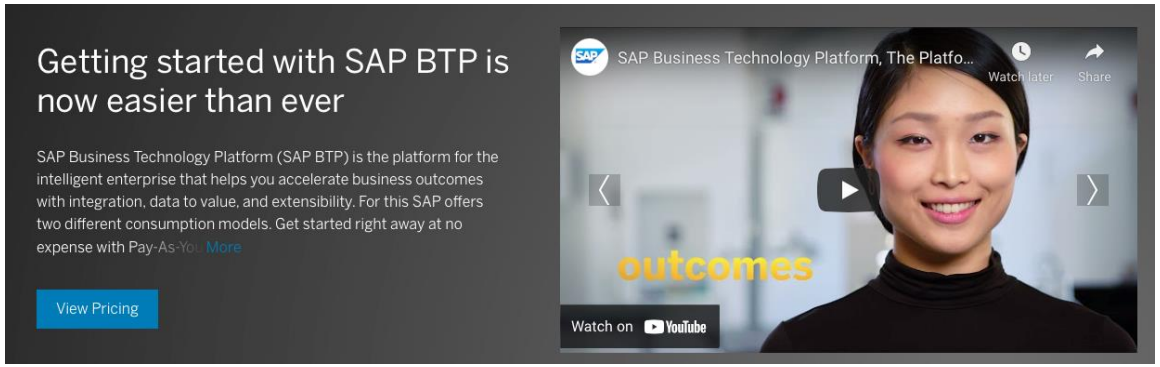
Start now with the free tier service option

SAP Integration Suite is available on SAP BTP free tier

1. Experience SAP Integration Suite
   Sign up for SAP BTP free tier

2. Extend your learning with the
   SAP Integration Suite learning journey

3. Continue your learning with
   SAP Discovery Center Missions



Documentation | Blog | Tutorial | FAQ

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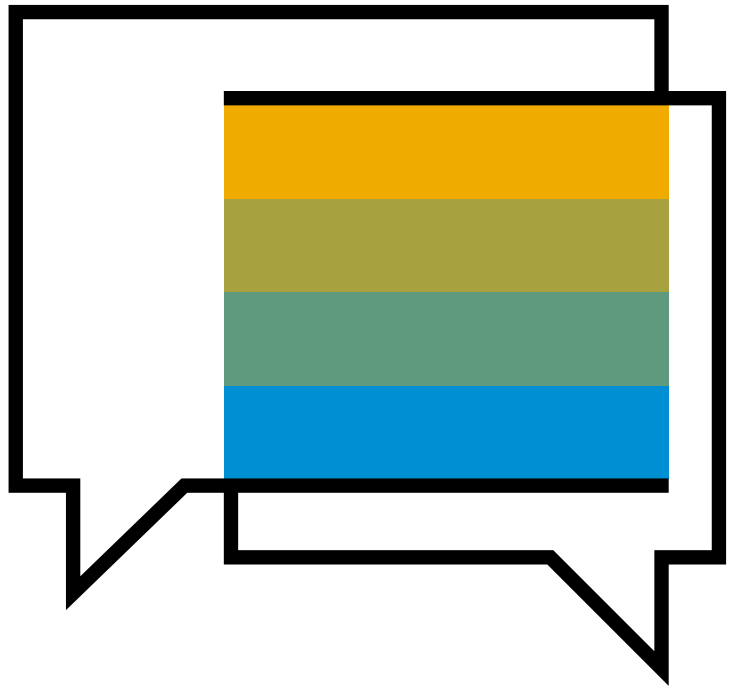
Q & A



Thank you to Our Customer & Partner

Marcelo Begliomini marcelo.begliomini@cienci.com.br

Luiz Guilherme Cerqueira Campos guilhermec.campos96@gmail.com

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We will be giving a free copy of the eBook “**Developing Groovy Scripts for SAP Cloud Platform Integration**” to the first 10 participants who have completed our Webinar Survey on August 9, 2022.

https://qtrial2019q3az1.az1.qualtrics.com/jfe/form/SV_0Ojq7mW9OWfcYJ0

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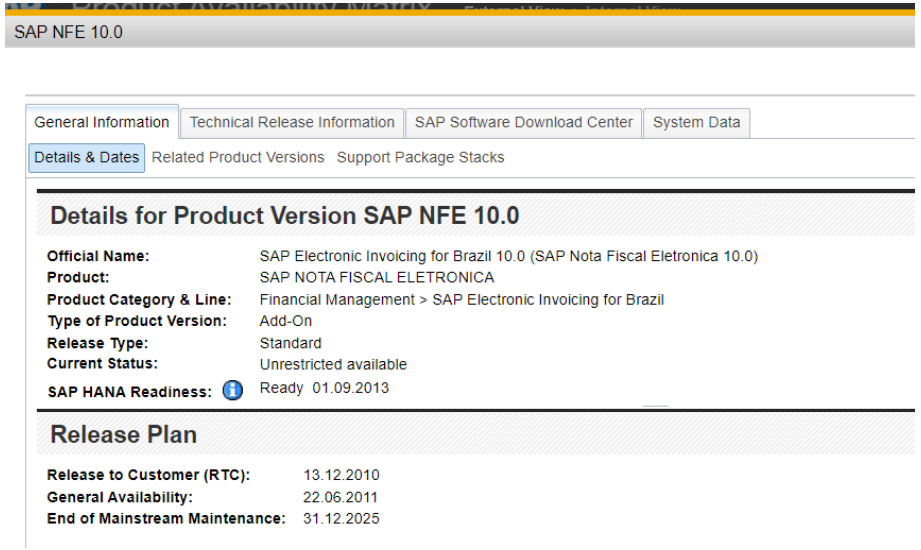
Appendix – Nota Fiscal Solution Details

Future support and migration of SAP GRC NFE (Nota Fiscal)

SAP GRC NFE

- GRC NFE or SAP NFE is the On-Premise solution released in 2008 to support electronic invoices in Brazil.
- Currently in PAM:



End of Mainstream Maintenance: 2025

SAP Document Compliance, outbound/inbound invoicing option for Brazil

- Document Compliance Brazil is the most recent public cloud solution released to support electronic invoices in Brazil
- Issuance & automatic receipt of electronic documents (nota fiscal)
- SaaS Cloud Advantages
- Exclusive outbound solution for S/4HANA Cloud Public
- Operation and maintenance are SAP's responsibility
- Part of global strategy for SAP Document and Reporting Compliance

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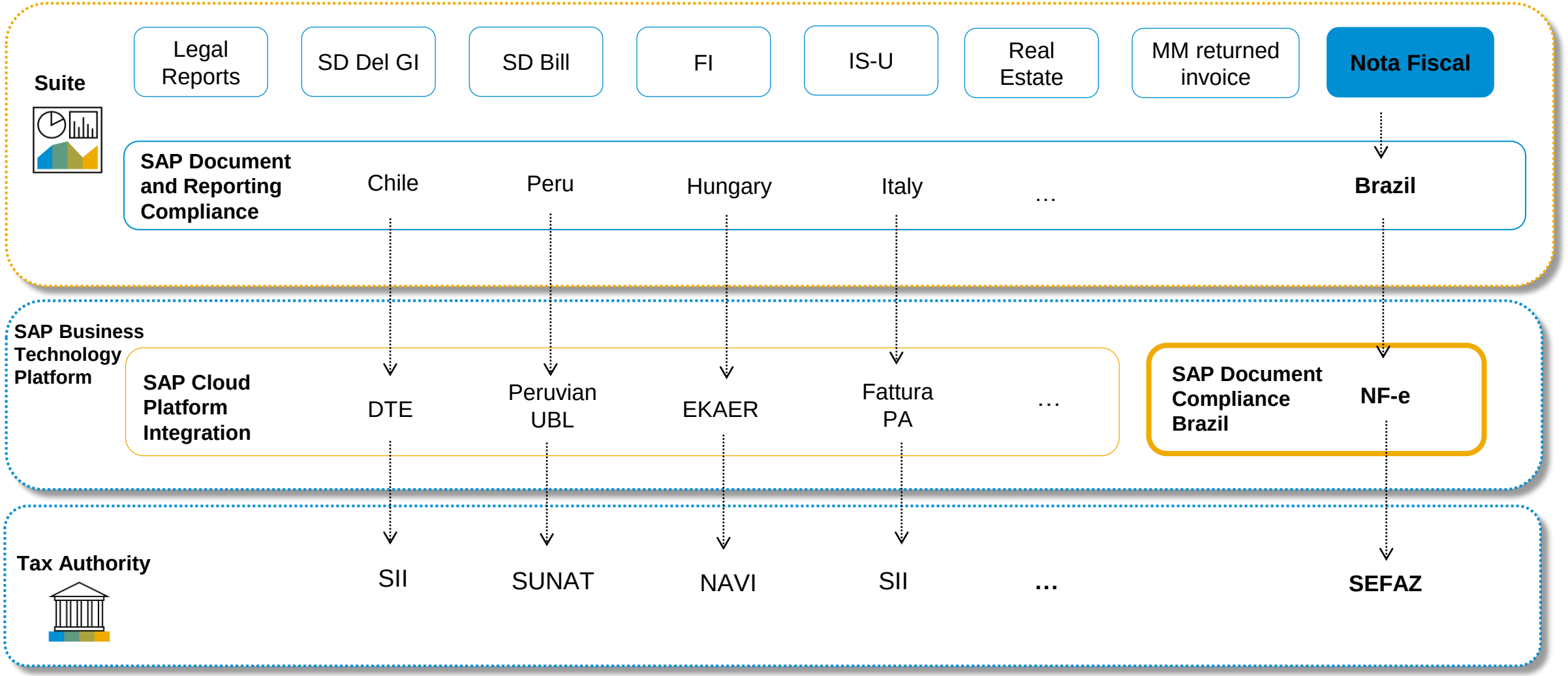
Solution Architecture – SAP Document Compliance



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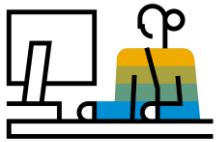
Benefits – SAP Document Compliance Solutions for Brazil



- **Maintenance**
  - Legal changes updates
  - New functionalities
  - Bugs fixing

- **Legal Compliance**
  - NF-e Authorization
  - NF-e Status Check
  - Manifestação do Destinatário

- **Licensing**
  - Subscription model per number of documents processed

- **Infrastructure**
  - Infrastructure reduction
  - Physical space reduction
  - Scalability

- **Gains**
  - Efficient operation
  - Purchasing Process: manual error reduction, automation of repetitive tasks

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Why SAP?

- SAP standard solution
- Native integration to SAP backend systems
- Development team at SAP Labs Latin America
- Global standard support
- Valued ecosystem of service partners

- Customer References

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SAP Document Compliance, outbound invoicing option for Brazil (nota fiscal eletrônica) enables the communication between your backend system and the tax authorities webservices for outbound documents

It allows you to

- Create electronic documents in legally required XML format
- Connect to SEFAZ and municipal tax authorities webservices
- Create NF-e events such as cancellation, CC-e, etc
- Use online contingency system
- Download XML
- Monitor communication, trace source documents and handle exceptions directly in SAP ERP and SAP S/4HANA

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SAP Document Compliance, inbound invoicing option for Brazil (nota fiscal eletrônica) provides capabilities to automate the receipt of inbound documents for buyers.

It allows you to

- Check XML format, NF-e digital signature and NF-e authorization
- Automate NF-e purchase order assignment
- Simulate the NF-e to check prices and taxes
- Trigger automatically SAP ERP transactions such as inbound delivery creation, goods receipt, invoice receipt and NF-e creation as well

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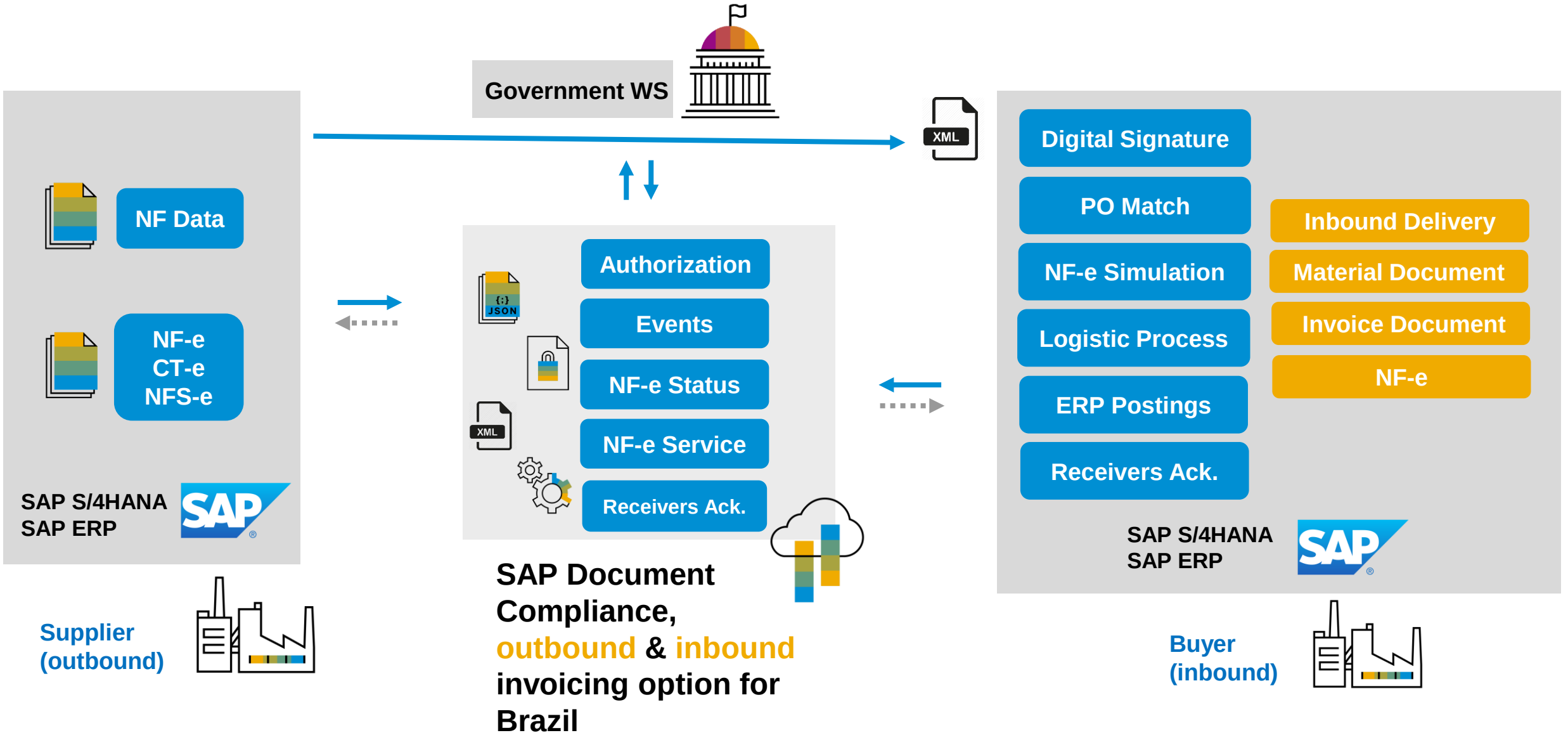
Overview Business Process Flow – Standard Flow



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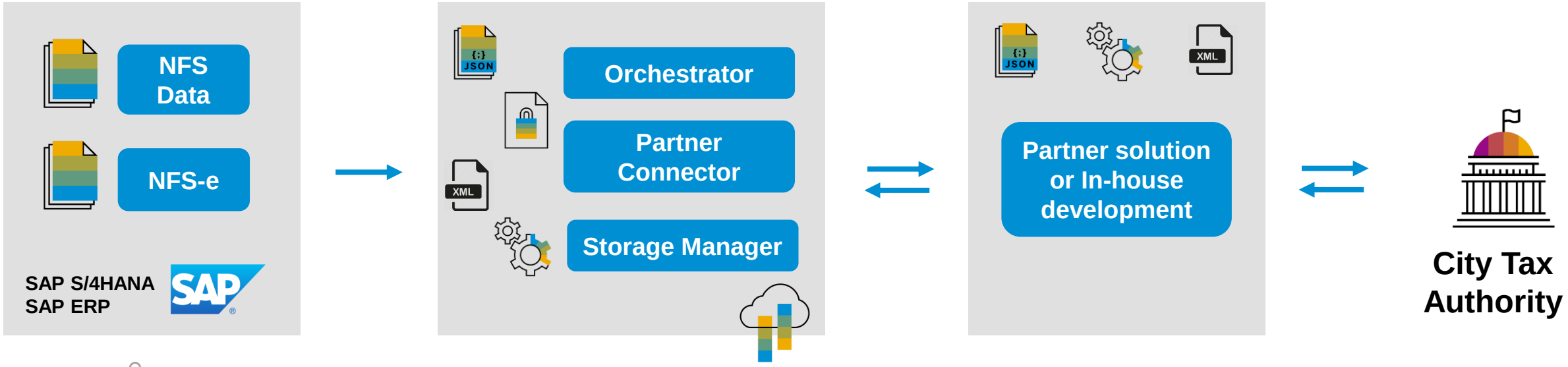
Overview Business Process Flow - NFS-e Outbound Partner Enablement



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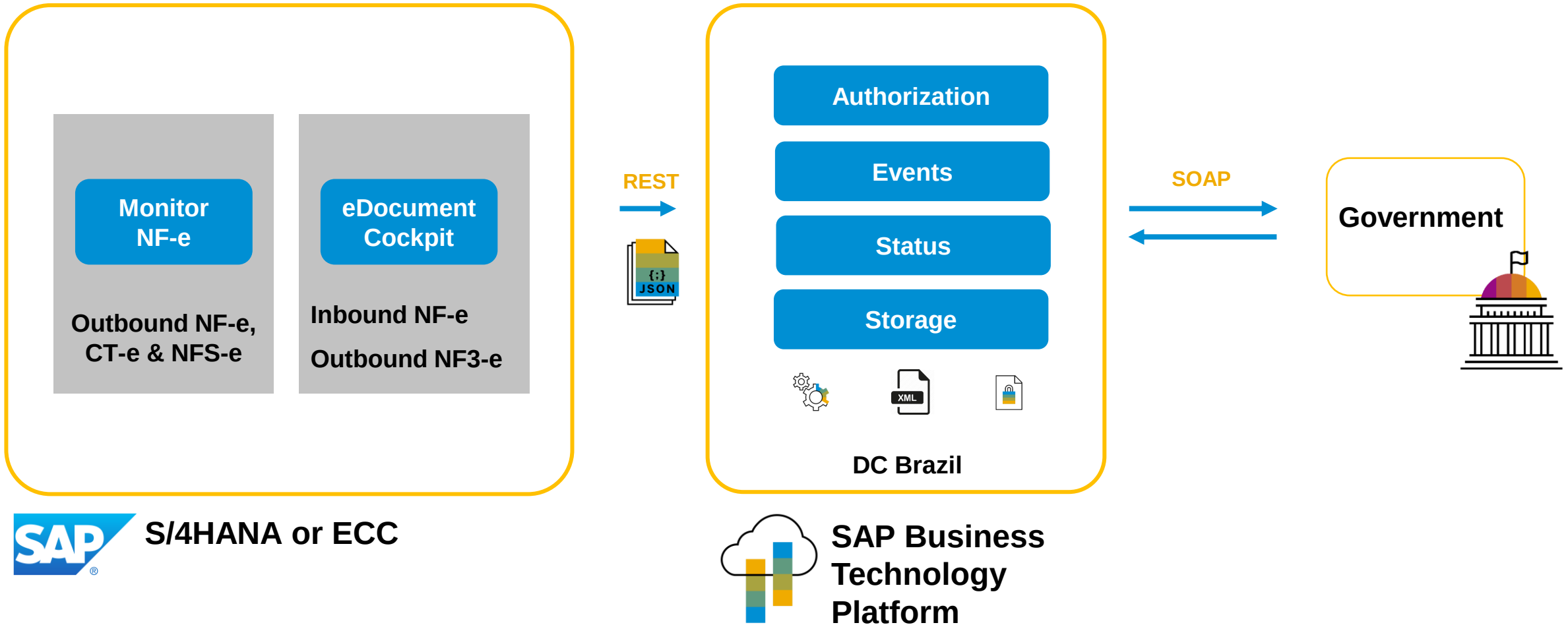
Architecture



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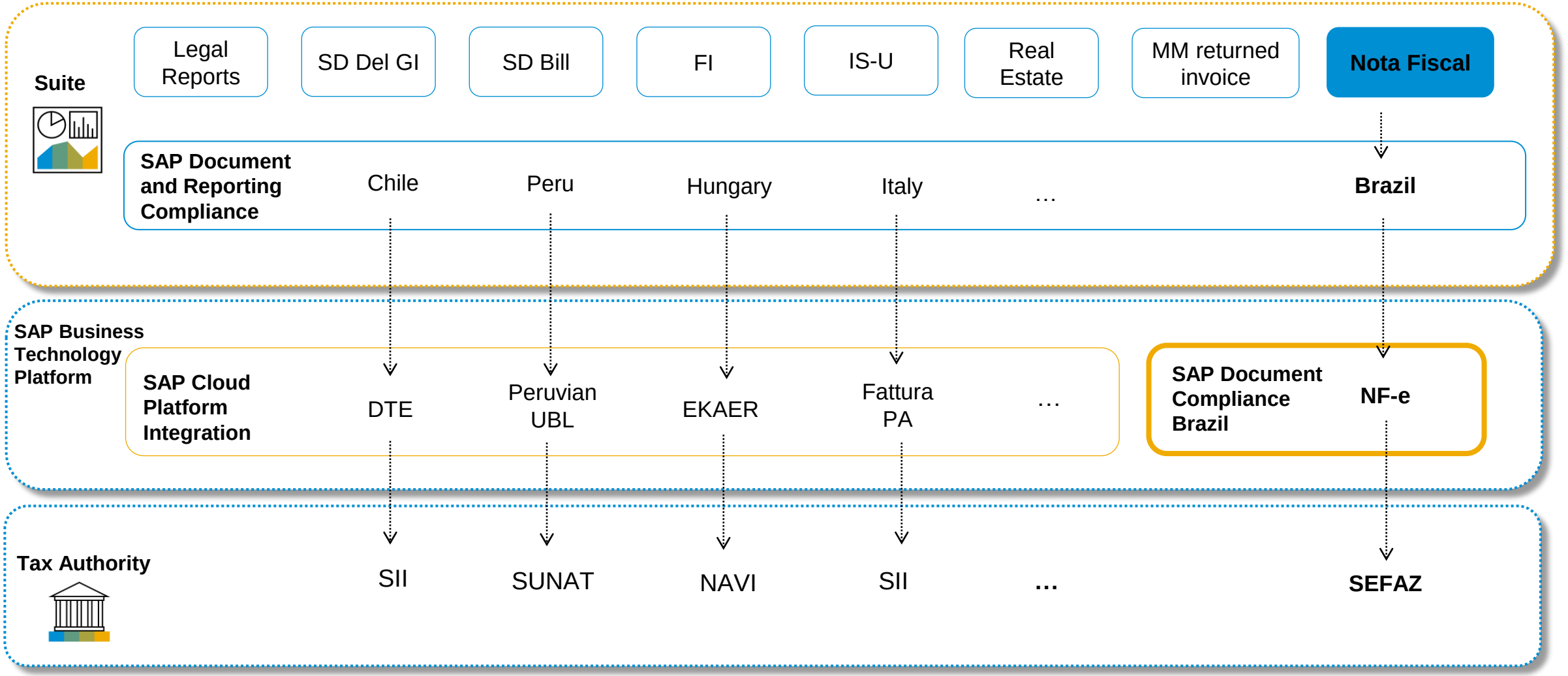
Solution Architecture – SAP Document Compliance



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Akzo Nobel uses a cloud solution to simplify its complex invoice billing process.

With the SAP® Document Compliance solution, outbound invoicing option for Brazil (nota fiscal eletrônica), Akzo Nobel was able to:

- Streamline its on-premise infrastructure, replacing more than four system instances and 13 servers with a single solution
- Reduce the number of incident cases by 60% without partner involvement
- Improve data management and transparency throughout the system
- Facilitate business processes such as file storage, correction letters, and error handling
- Provide greater autonomy to users, reducing costs and maintenance workload

“The outbound invoicing option for SAP Document Compliance massively simplified our invoice billing process. We transferred 100% of this process from a complex, high-maintenance, on-premise landscape to a **streamlined and reliable cloud architecture**.”

Ricardo Santos, Business Information Manager for Americas, Akzo Nobel N.V.

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AkzoNobel

Akzo Nobel N.V.
Amsterdam, The Netherlands
www.akzonobel.com

Industry
Consumer products

Employees
32,200

Revenue
€8.53 billion

Featured Solutions and Services
SAP Document Compliance, outbound invoicing option for Brazil (nota fiscal eletrônica)

THE BEST RUN SAP®

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NF-e Solution
Scope - Outbound

NF-e & CT-e

- Authorization
- Cancellation
- CC-e
- Skipping
- XML Download
- Document Status Query
- Service Status Query
- SVC
- B2B
- XML Storage
- Inbound Receipt Simple

NF3-e

NFS-e SP & RJ

- Authorization
- Cancellation
- Substitution
- XML Download
- Document Status Query
- Service Status Query
- XML Storage

NFS-e Partner Enablement for other cities

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NF-e Solution

Scope – Inbound Automation

- XML Receipt via RFC
- Digital Signature Check
- NF-e Authorization Check
- PO Association
- Invoice Simulation
- Vendor Notification
- DANFE Simulation
- Logistic Monitor
- Gate Monitor
- Automatic MIGO & MIRO
- Manifestação do Destinatário

- Processes:
  - Basic
  - Normal Purchasing
  - Stock Transfer
  - Subcontracting
  - Consignment
  - Future Delivery
  - Returnable Package
  - CT-e & CT-e OS (Basic/Flex)
  - Framework for customized process
- Event NF-e/CT-e:
  - Cancellation
  - CC-e
- Event CT-e:
  - CT-e Disagreement

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Change Impact – Document Compliance x GRC NFE

Technical Perspective

- No PI system anymore
- No GRC monitors / no side car system
- SaaS – communication with SEFAZ are operated by SAP
- Maintenance: no need for SP upgrades or SAP Notes in cloud service
- Customer certificates are uploaded through ECC and stored in cloud service
- Scalability
- Inbound: usage of DRC framework for extensibility; solution is installed in ECC / S/4HANA

Functional Perspective

→ See Roadmap slide for planned functionalities from GRC NF-e

- **Outbound**:
  - Supporting in addition:
    - NFS-e for SP/RJ
    - NFS-e Extensibility Framework
    - NF3-e
- **Inbound**:
  - Supporting in addition:
    - Improved PO search directly from ERP
    - DACTE Simulation
    - Automatic mail sending of vendor notification in case of rejection
    - Improved customizing with more parameters
  - Not provided: Automatic upload XML from business partners; CT-e automation with LES/TM; EPEC and Denial receipt;

End User Perspective

- Outbound NF-e/CT-e: continue to use the same monitor J1BNFE
- Inbound NF-e & Outbound NF3-e:
  - New monitor Document Compliance Cockpit (former eDocument Cockpit)

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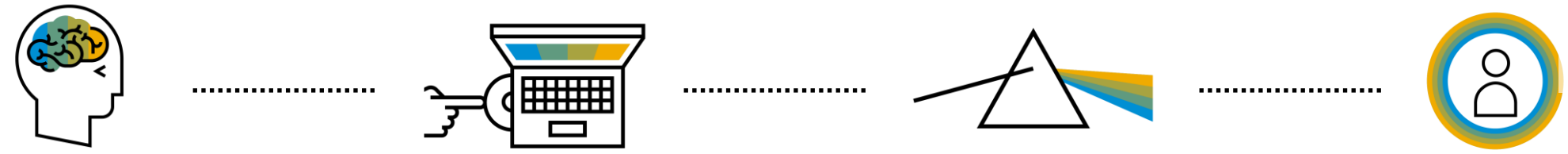
Information from learning about the solution until using it



- SAP Document Compliance, outbound invoicing option for Brazil (nota fiscal eletrônica)
  - https://help.sap.com/viewer/product/SLH_NFe/Cloud/en-US
- SAP Document Compliance, inbound invoicing option for Brazil (nota fiscal eletrônica)
  - https://help.sap.com/viewer/product/DC_NFe/Cloud/en-US

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Appendix

Best Practices for Moving Existing Integration Scenarios to SAP Integration Suite

3 step approach:

Step 1: Assess (customer evaluation):

- Integration Value Calculator
- Assess Organization Integration Maturity
- SAP Integration Solution Advisory Methodology
- PI/PO roadmap & future-proof Integrations strategy paper here
- Pilot assessment tool from SAP Services and Support blog here

Step 2: Plan and Transform (enterprise architects to decide on Integration Suite):

- Enterprise Integration Patterns - Blogs links
- Accelerate with prebuilt integrations
- Integration Architecture Guide for Cloud and Hybrid Landscapes Based on SAP® Integration Solution Advisory Methodology

Step 3: Move (migrate and validate)

- Migration tool from partner: FIGAF
- Migration tool from partner: INT4
- Integration Flow Design Guidelines
- Blog: Moving integration artifacts from SAP Process Orchestration to Integration Suite
- Migration Methodology : PO to SAP Integration Suite
- Import & Reuse Message Mapping from ES Repository in SAP Cloud Integration
- SAP Cloud Integration Runtime in SAP PO

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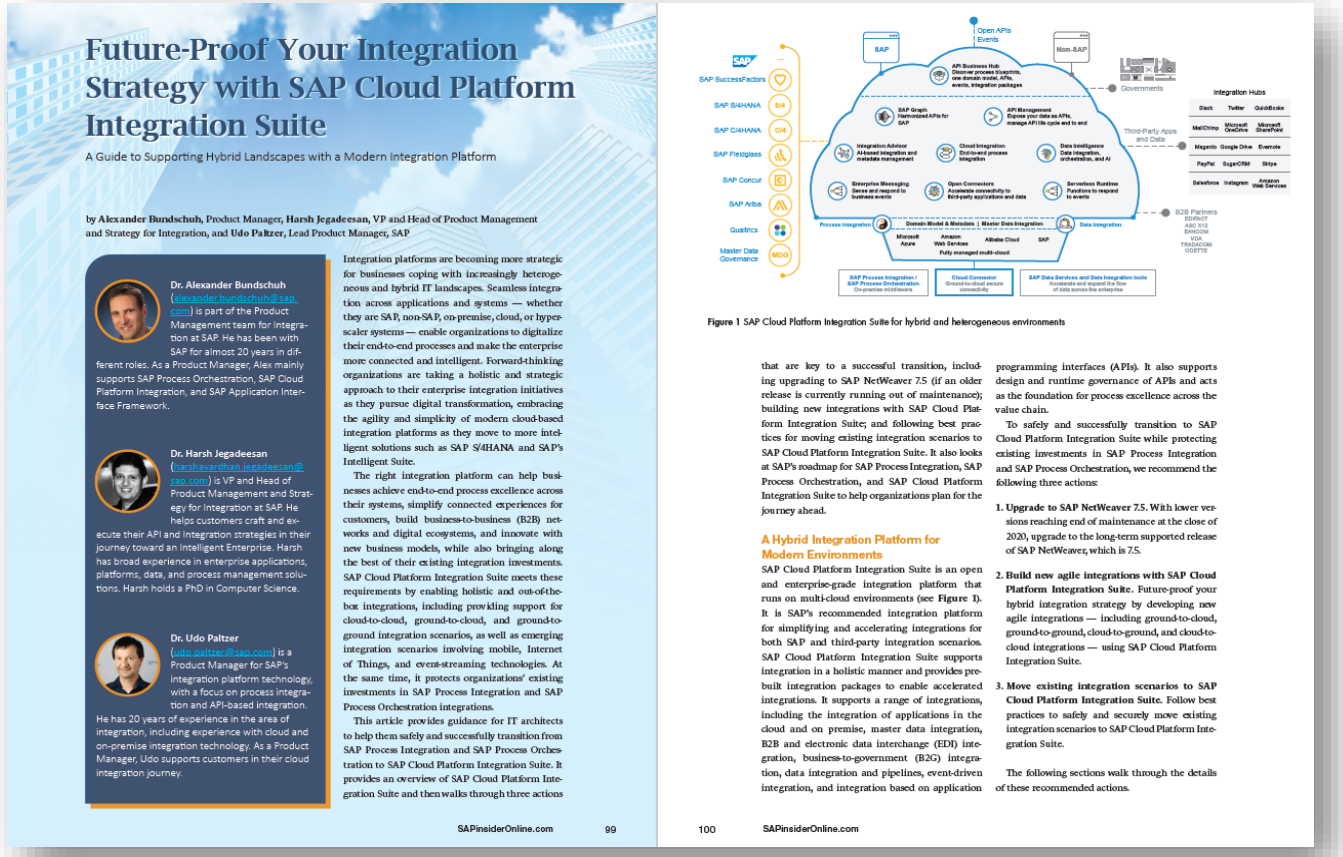
Future-Proof Your Integration Strategy with SAP Integration Suite



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

A Guide to Supporting Hybrid Landscapes with a Modern Integration Platform

by **Alexander Bundschuh**, Product Manager, **Harsh Jegadeesan**, VP and Head of Product Management and Strategy for Integration, and **Udo Paltzer**, Lead Product Manager, SAP

Dr. Alexander Bundschuh (alexander.bundschuh@sap.com) is part of the Product Management team for integration at SAP. He has been with SAP for almost 20 years in different roles. As a Product Manager, Alex mainly supports SAP Process Orchestration, SAP Cloud Platform Integration, and SAP Application Interface Framework.

Dr. Harsh Jegadeesan (harshavardhan.jegadeesan@sap.com) is VP and Head of Product Management and Strategy for Integration at SAP. He helps customers craft and execute their API and integration strategies in their journey toward an Intelligent Enterprise. Harsh has broad experience in enterprise applications, platforms, data, and process management solutions. Harsh holds a PhD in Computer Science.

Dr. Udo Paltzer (udo.paltzer@sap.com) is a Product Manager for SAP's integration platform technology, with a focus on process integration and API-based integration. He has 20 years of experience in the area of integration, including experience with cloud and on-premise integration technology. As a Product Manager, Udo supports customers in their cloud integration journey.

Integration platforms are becoming more strategic for businesses coping with increasingly heterogeneous and hybrid IT landscapes. Seamless integration across applications and systems — whether they are SAP, non-SAP, on-premise, cloud, or hyperscaler systems — enable organizations to digitalize their end-to-end processes and make the enterprise more connected and intelligent. Forward-thinking organizations are taking a holistic and strategic approach to their enterprise integration initiatives as they pursue digital transformation, embracing the agility and simplicity of modern cloud-based integration platforms as they move to more intelligent solutions such as SAP S/4HANA and SAP's Intelligent Suite.

The right integration platform can help businesses achieve end-to-end process excellence across their systems, simplify connected experiences for customers, build business-to-business (B2B) networks and digital ecosystems, and innovate with new business models, while also bringing along the best of their existing integration investments. SAP Cloud Platform Integration Suite meets these requirements by enabling holistic and out-of-the-box integrations, including providing support for cloud-to-cloud, ground-to-cloud, and ground-to-ground integration scenarios, as well as emerging integration scenarios involving mobile, Internet of Things, and event-streaming technologies. At the same time, it protects organizations' existing investments in SAP Process Integration and SAP Process Orchestration integrations.

This article provides guidance for IT architects to help them safely and successfully transition from SAP Process Integration and SAP Process Orchestration to SAP Cloud Platform Integration Suite. It provides an overview of SAP Cloud Platform Integration Suite and then walks through three actions

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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 prebuilt 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, which is 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.

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SAPinsider article, blog and Migration Guide from SAP Process Orchestration to SAP Integration Suite

Recommended actions:

#1: Migrate to SAP NetWeaver 7.5

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

#3: Move existing integration scenarios to SAP Integration Suite

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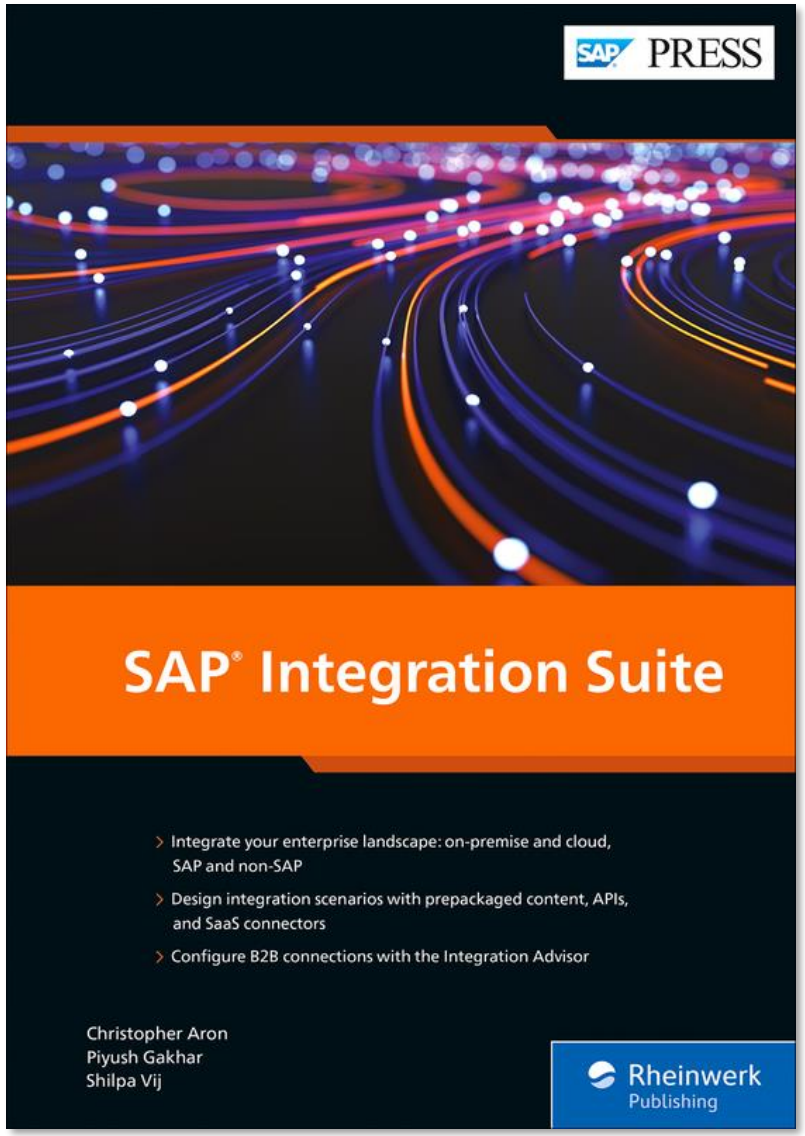
SAP Integration Suite Book

- **Authors**
  - Chris Aron
  - Piyush Gakhar
  - Shilpa Vij

- **Content highlights**
  - Pre-packaged integrations
  - API management
  - Application integration
  - Integration advisor
  - AI-driven integration
  - Third-party integration
  - Event-driven integration
  - SAP Event Mesh
  - Architecture
  - Intelligent enterprise

- **Further Information**
  - E-book
  - Print edition



Further information: https://www.sap-press.com/sap-integration-suite_5326/

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SAP Cloud Platform Integration Book

3rd edition, with exercise examples

- **Authors**
  - John Mutumba Bilay
  - Peter Gutsche
  - Mandy Krimmel
  - Volker Stiehl

- **Content highlights**
  - Architecture and Security (Neo and Cloud Foundry)
  - Exercises for simple and complex integration patterns
  - Event-based integration
  - Predelivered Content
  - Monitoring, Tracing and Simulation
  - B2B Integration and Integration Advisor
  - Open Connectors

- **Further Information**
  - E-book
  - Print edition

Further information: https://www.sap-press.com/sap-cloud-platform-integration_5077/

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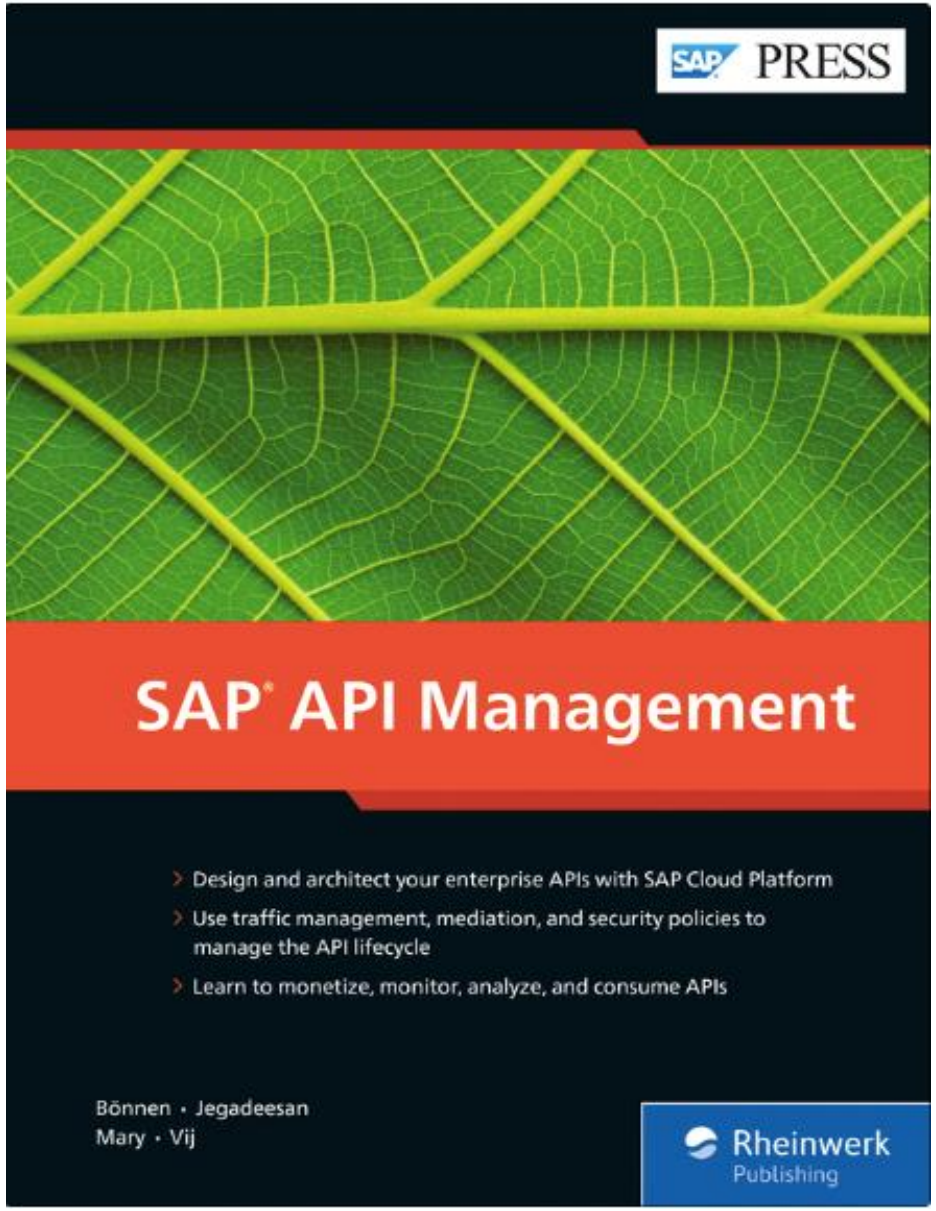
SAP API Management Book

- **Authors**
  - Carsten Bönnen
  - Harsh Jegadeesan
  - Divya Mary
  - Shilpa Vij

- **Content highlights**
  - Architecture
  - End-to-end lifecycle
  - Design and development
  - Traffic management, Mediation, Security
  - Monetization, Consumption
  - Enterprise integration
  - Analytics
  - SAP API Business Hub

Further information:
https://www.sap-press.com/sap-api-management_4928/



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[Accelerate Enterprise Integrations with SAP Integration Suite]

13K+ learners

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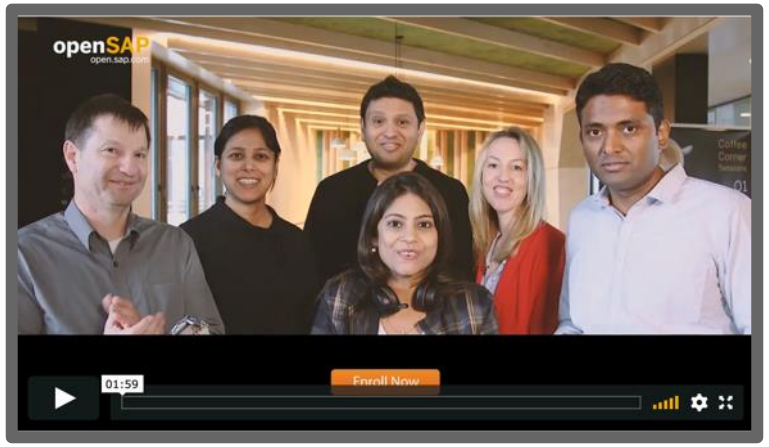

[Simplify integration using SAP Integration Suite]

22K+ learners

(June 2019)

[API Management overview and lifecycle]

19K+ learners

(Sept 2018)

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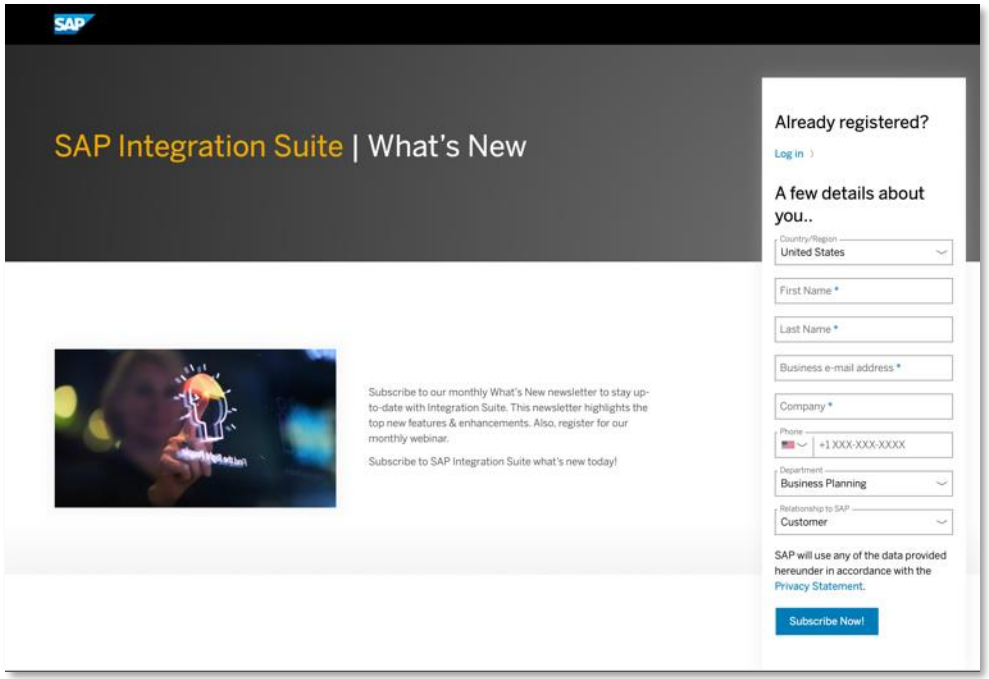
SAP Integration Suite - monthly update

Newsletter

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



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

Subscribe

Send us your questions for upfront

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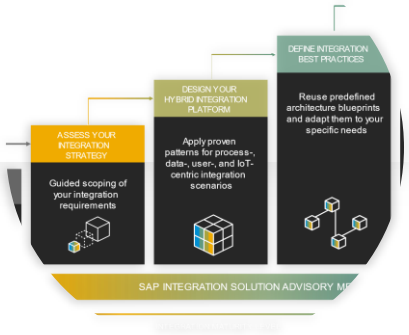
Jump start your integration journey with SAP



Assess Integration:

Assess your integration maturity level in two minutes and learn how to improve.

Explore now >

CIO Guide:

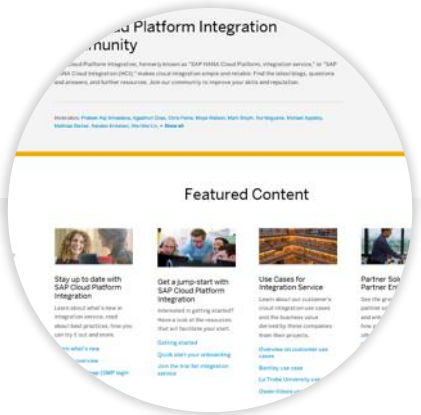
Process and Data Integration in Hybrid Landscapes

Read now >

SAP API Business Hub

provides a single access point to packaged integrations, APIs, events, and more.

Explore now >



SAP Community

connects thousands of users, developers, consultants, and SAP mentors and students to share ideas, learn, and innovate.

Visit the Community >

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Discovery Center missions

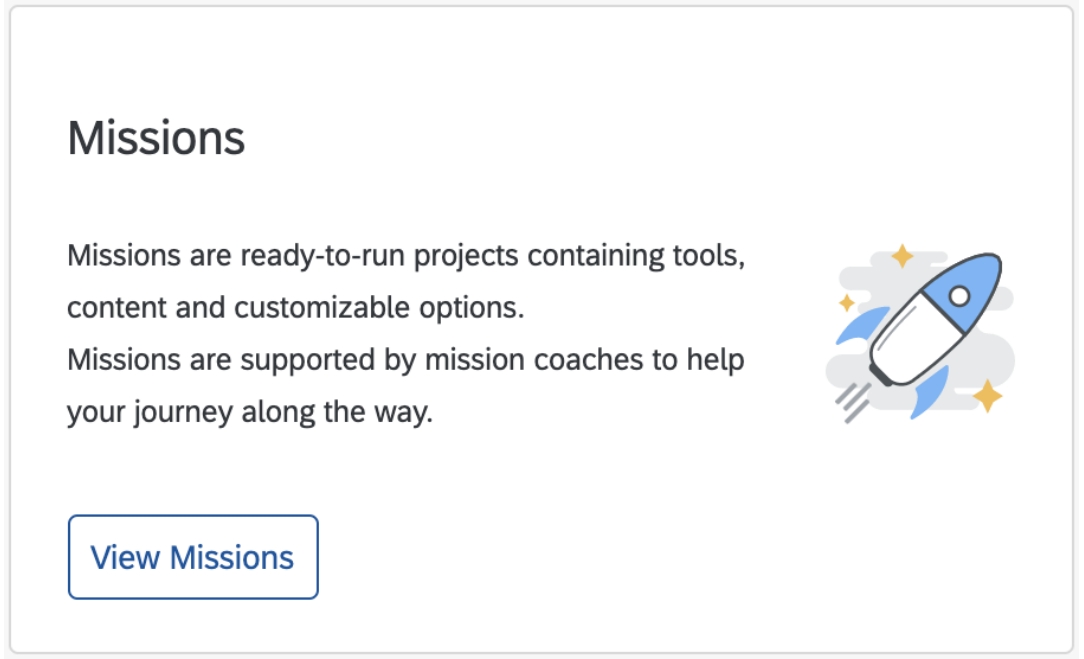
Best practices and step-by-stop guidance for implementing use cases

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 Cloud Integration Transition
- Publishing Documents from SAP S/4HANA Cloud to SharePoint (Embrace mission coming soon)



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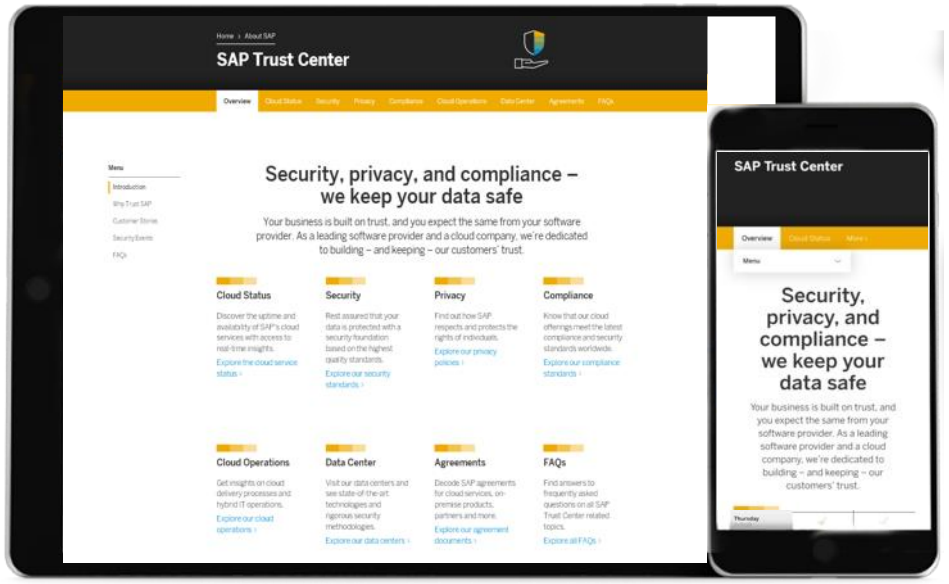
SAP Trust Center

http://www.sap.com/trust-center

The **SAP Trust Center** is a public-facing website on sap.com, designed to provide unified and easy access to trust related content, such as security, privacy, and compliance.

- Delivers **transparency**
- Easy access to SAP trust-related **documents, certificates, and contracts**
- Users can **initiate requests and engage with SAP**



Cloud Service Status
Availability data of our cloud services showing the current live status

Security
Measures to ensure SAP Cloud Security

Privacy
SAP respects and protects the rights of individuals

Compliance
Shows the vast variety of ISO/BS as well as certificates

Cloud Operations
Shows how SAP runs cloud operations to help plan and optimize resources

Data Center
Virtually and physically protected data with state-of-the-art technologies

Agreements
Overview of the building blocks of SAP contracts

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