SAP BTP

What's New with SAP BTP
Q42023 Innovation Highlights

Public

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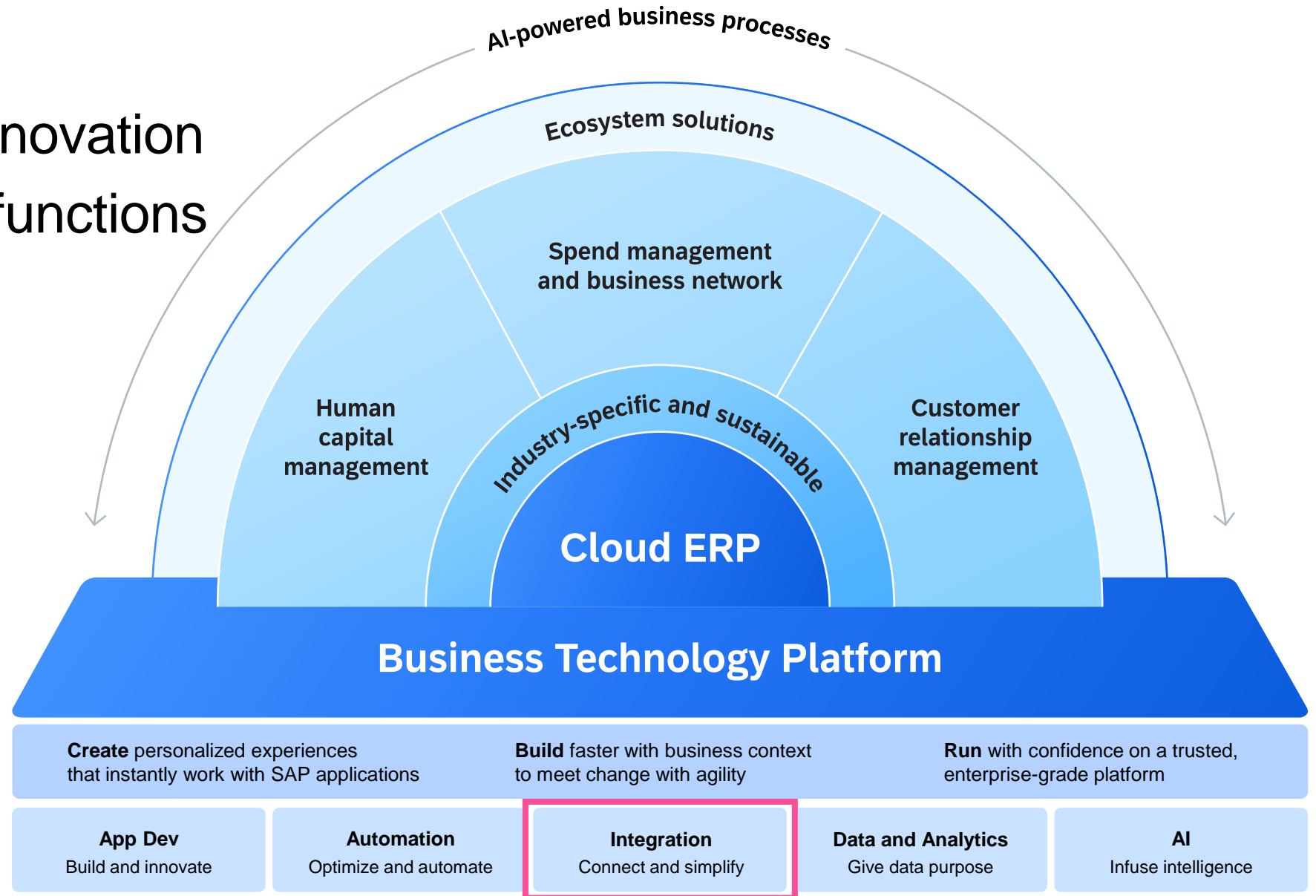
Agenda

❑ SAP Integration Suite → Edge Integration Cell

❑ Document Information Extraction → Premium edition (GenAI capabilities)

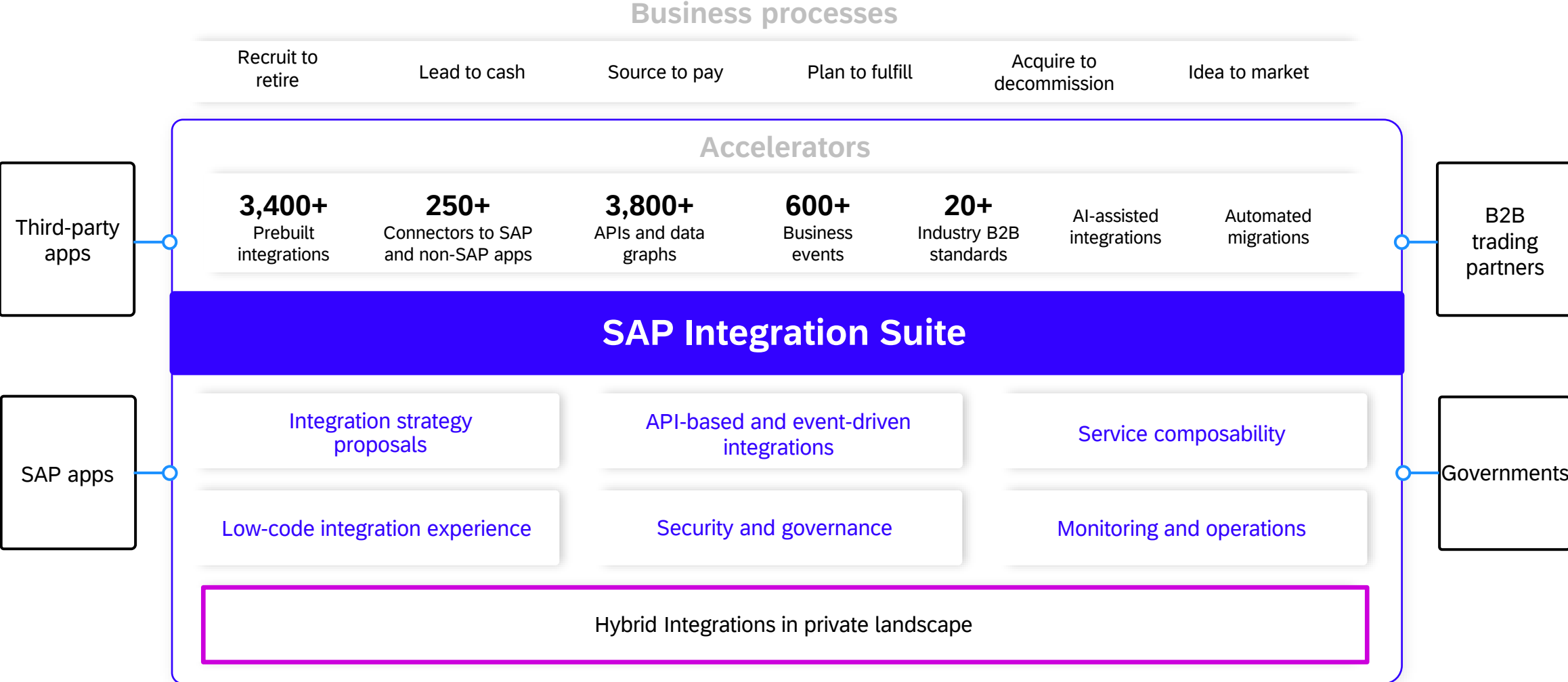❑ SAP BTP Guidance Framework → Compass for building and running apps on SAP BTP

❑ Q&A

SAP Integration Suite

SAP BTP

## Unleash digital innovation across business functions

AI-powered business processes

Ecosystem solutions

Spend management and business network

Human capital management

Industry-specific and sustainable

Cloud ERP

Customer relationship management

Business Technology Platform

Create personalized experiences that instantly work with SAP applications

Build faster with business context to meet change with agility

Run with confidence on a trusted, enterprise-grade platform

| **App Dev** Build and innovate | **Automation** Optimize and automate | **Integration** Connect and simplify | **Data and Analytics** Give data purpose | **AI** Infuse intelligence |

SAP's hybrid integration platform

Business processes

Recruit to retire	Lead to cash	Source to pay	Plan to fulfill	Acquire to decommission	Idea to market

Accelerators

Third-party apps

3,400+ Prebuilt integrations	**250+** Connectors to SAP and non-SAP apps	**3,800+** APIs and data graphs	**600+** Business events	**20+** Industry B2B standards	AI-assisted integrations	Automated migrations

B2B trading partners

SAP Integration Suite

SAP apps

Integration strategy proposals	API-based and event-driven integrations	Service composability
Low-code integration experience	Security and governance	Monitoring and operations

Governments

Hybrid Integrations in private landscape

Edge Integration Cell
Next-generation "hybrid" integration runtime

"Edge Integration Cell" is the new flexible hybrid integration **runtime**, *offered as an optional extension to SAP Integration Suite, enabling customers to manage APIs and run their integration scenarios within customer-managed private landscapes.*
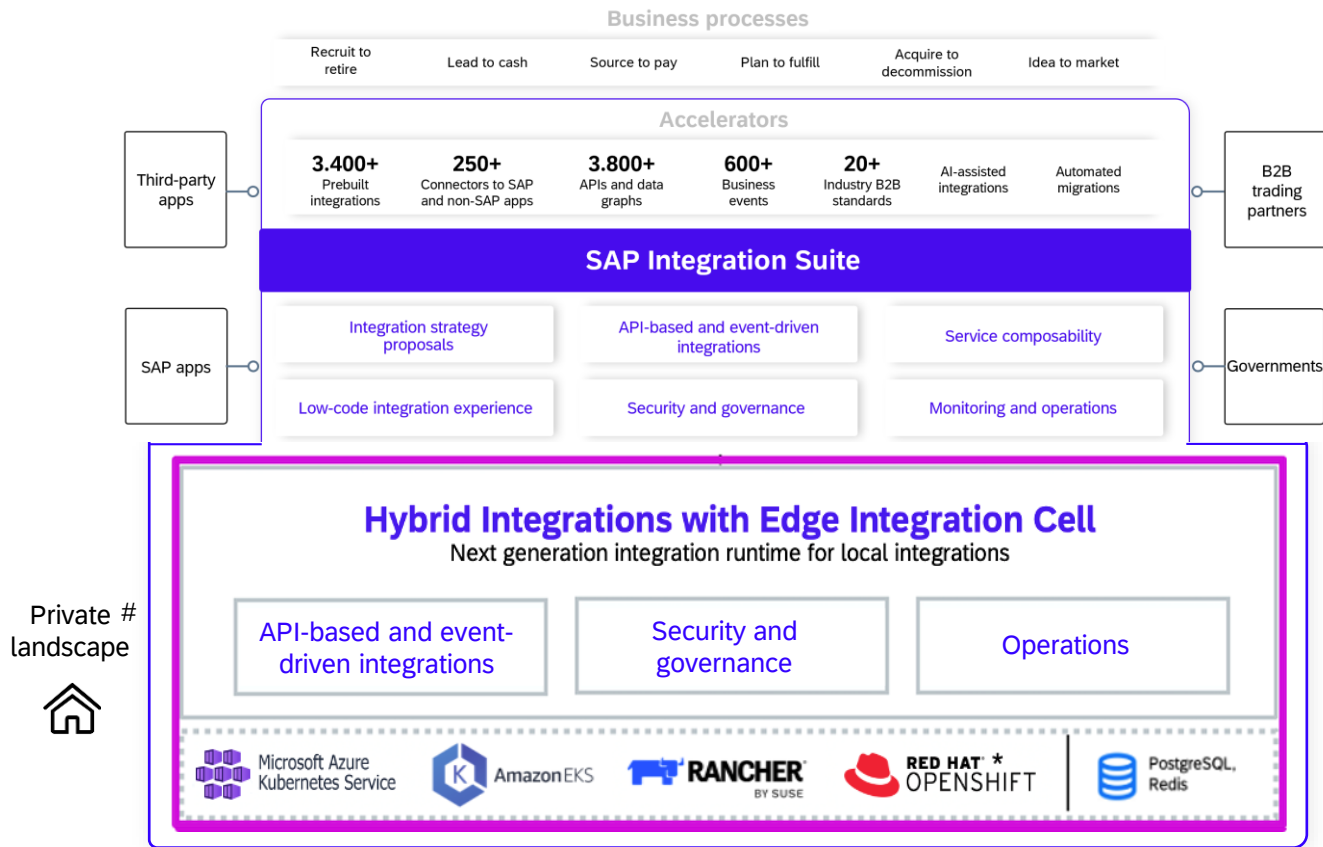
Flexible deployment in customer environments

Data compliance and governance by processing data locally

Operations (installation, software updates...) managed by customer

Integration studio for design and monitoring **in the cloud**

Integration flows modeled in cloud Integration that are **compatible**

Enablement of **design and management of APIs** with policies

Routing of business events from SAP applications to event brokers

Configuring and managing **multiple cells** with a tenant of SAP Integration Suite

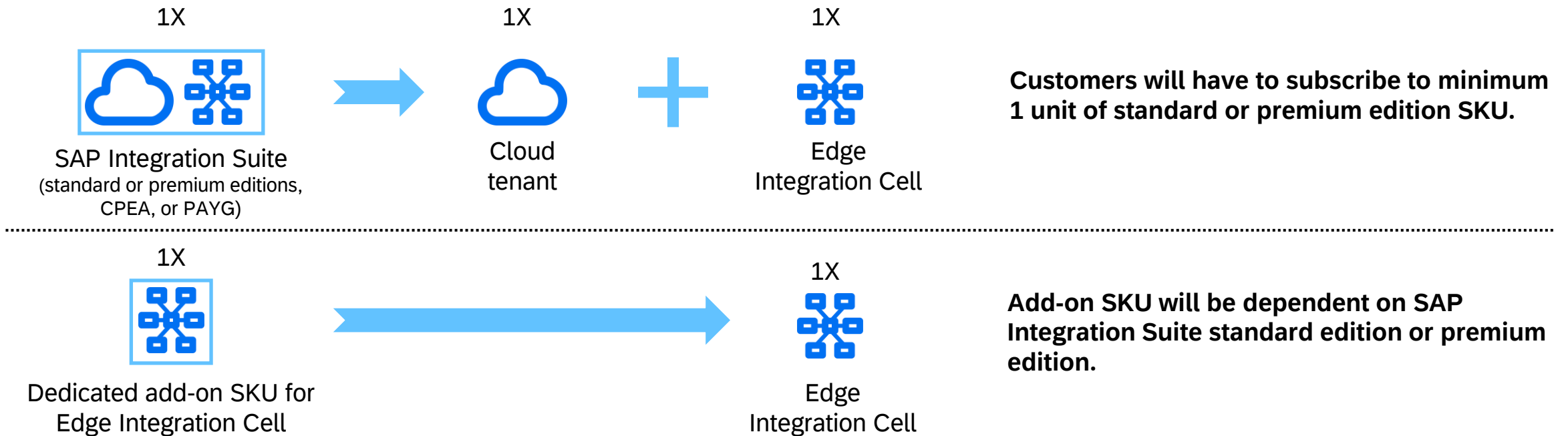Business continuity during **temporary connectivity loss (up to 4 hr)***

Migration path **for PI/PO customers**

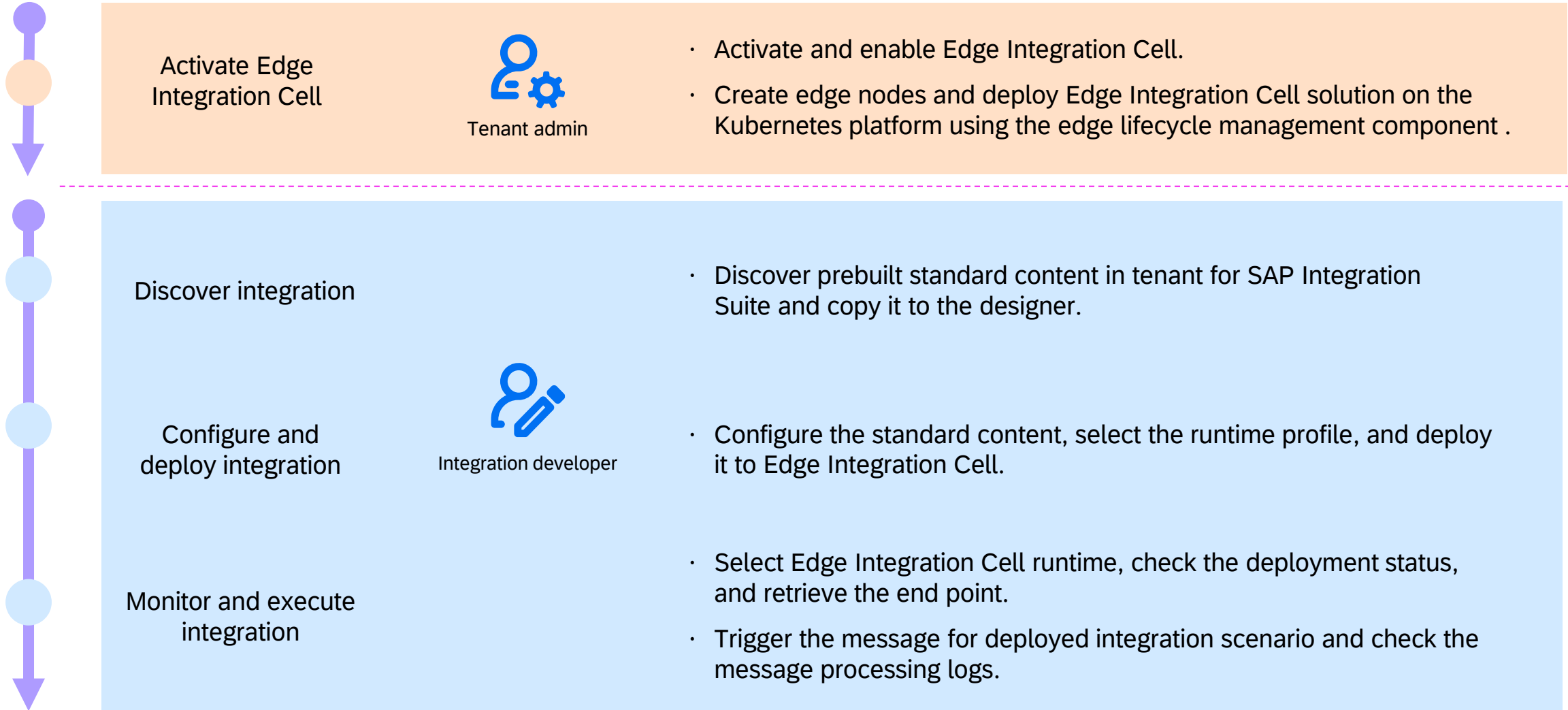# Private landscape corresponds to on-premise or private cloud.
* Part of the road map, beyond GA
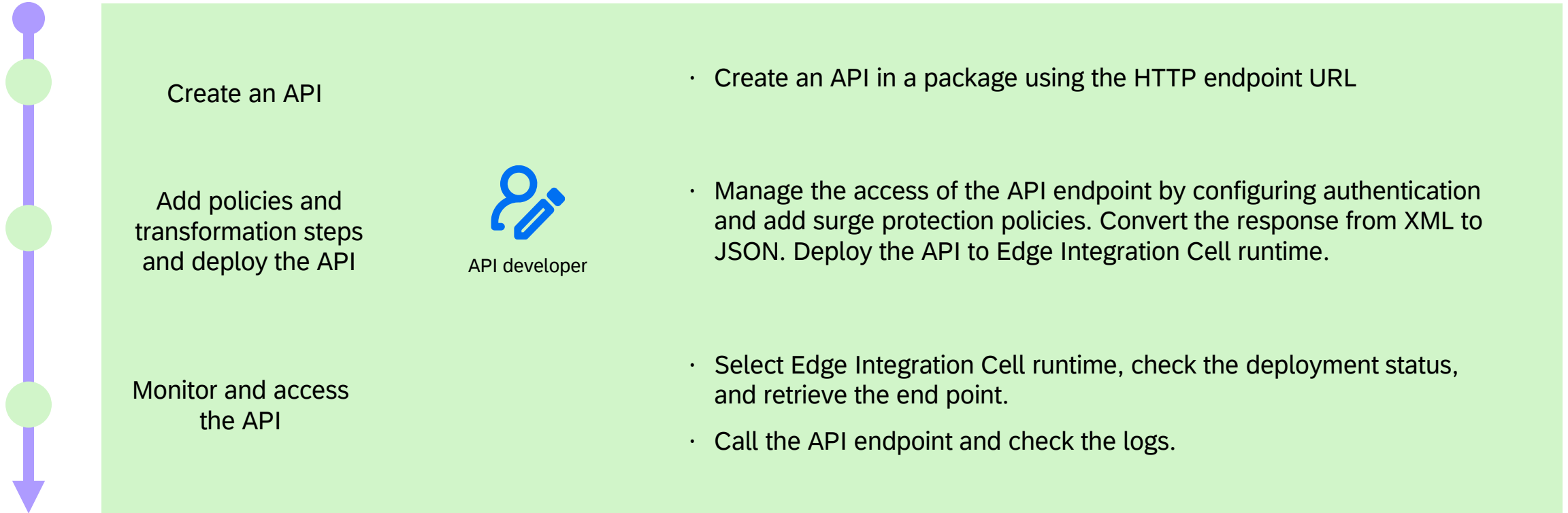
Licensing model

- Edge Integration Cell is included as a part of the existing SAP Integration Suite (for standard and premium editions and CPEA and PAYG).

- Additional Edge Integration Cells can be acquired through a separate add-on SKU.

- Only 50% of the messages that are processed by Edge Integration Cell are chargeable (excluding unmodified standard content for SAP-to-SAP software).

1X   1X   1X

SAP Integration Suite
(standard or premium editions, CPEA, or PAYG) → Cloud tenant + Edge Integration Cell

Customers will have to subscribe to minimum 1 unit of standard or premium edition SKU.

1X   1X

Dedicated add-on SKU for Edge Integration Cell → Edge Integration Cell

Add-on SKU will be dependent on SAP Integration Suite standard edition or premium edition.

Demo Sequence

Activate Edge Integration Cell

Tenant admin

- Activate and enable Edge Integration Cell.
- Create edge nodes and deploy Edge Integration Cell solution on the Kubernetes platform using the edge lifecycle management component .

Discover integration

Integration developer

- Discover prebuilt standard content in tenant for SAP Integration Suite and copy it to the designer.

Configure and deploy integration

- Configure the standard content, select the runtime profile, and deploy it to Edge Integration Cell.

Monitor and execute integration

- Select Edge Integration Cell runtime, check the deployment status, and retrieve the end point.
- Trigger the message for deployed integration scenario and check the message processing logs.

Demo Sequence

Create an API
- Create an API in a package using the HTTP endpoint URL

Add policies and transformation steps and deploy the API

API developer

- Manage the access of the API endpoint by configuring authentication and add surge protection policies. Convert the response from XML to JSON. Deploy the API to Edge Integration Cell runtime.

Monitor and access the API

- Select Edge Integration Cell runtime, check the deployment status, and retrieve the end point.
- Call the API endpoint and check the logs.

Join our user survey!

FB

CPI_PRISM_GA ⌄ / iat-prism-std ⌄

Overview

Services ⌄

Service Marketplace

Instances and Subscripti... ●

Cloud Foundry ⌄

Spaces

Space Quotas

Org Members

HTML5 Applications

Connectivity ⌄

Security ⌄

Users

Help and Support

Useful Links

Subaccount: iat-prism-std - Instances and Subscriptions

Create

All: 5

Search | All Services ⌄ | All Plans ⌄ | All Statuses ⌄

Subscriptions (1) | **Instances (3)** | **Environments (1)**

Applications to which your subaccount is currently subscribed

Application	Plan	Created On	Changed On	Status	
Integration Suite-...	standard_edition	20 Apr 2023	31 Oct 2023	Subscribed	... >

Instances (3)

Service instances created in: Cloud Foundry | Kyma/Kubernetes | Other environments

Instance	Service	Plan	Runtime Environ...	Scope ⓘ	Credentials	Status	
API Instance	Process Integrati...	api	Cloud Foundry	iat-prism-std	1 key	Created	... >
CCA	Process Integrati...	integration-flow	Cloud Foundry	iat-prism-std	4 keys	Created	... >
pp_skey	Process Integrati...	integration-flow	Cloud Foundry	iat-prism-std	1 key	Created	... >

Document Information Extraction, premium edition
(SAP AI Services)

SAP BTP

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AI Foundation on SAP BTP

AI Foundation
on Business Technology Platform

AI Services

Document Processing	Recommendation	Machine Translation

Generative AI Management

Toolset	Trust & Control	Access

AI Workload Management

Training	Inference

Business Data & Context

Vector Engine

Data Management

Foundation Models

SAP built	Hosted	Remote	Fine-tuned

Lifecycle Management

AUTOMATED DOCUMENT PROCESSING
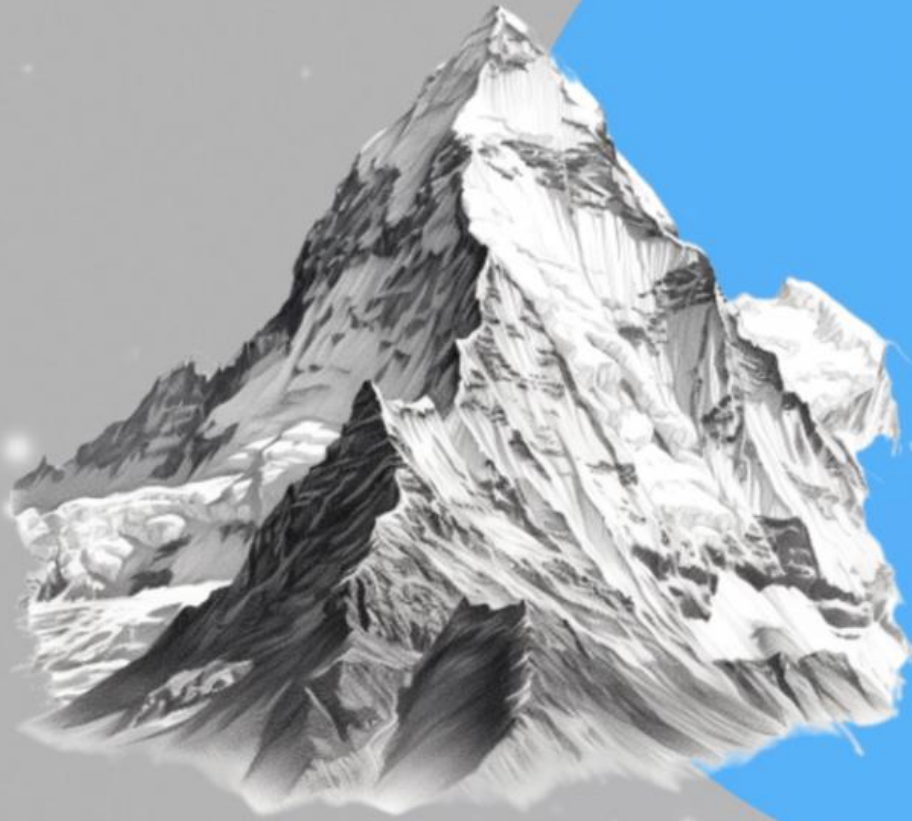
Business process-specific AI for Document Processing in SAP

SAP Business Network Intelligent Invoice Conversion
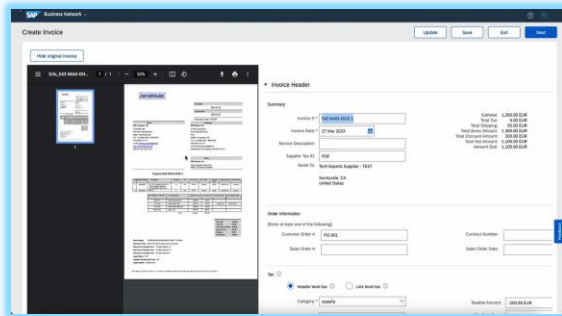
- Improve operational efficiency through simple invoice upload and automation for invoice conversion
- Increase invoice accuracy by reducing manual and error-prone entry
- Accelerate invoice payments by reducing the number rejected invoices by your customers
- See in action: Intelligent Invoice Conversion

SAP Ariba Central Invoice Management
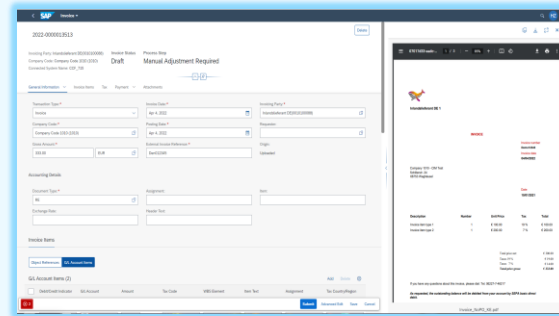
- Provides inbound handling via Business Network and central processing of invoices.
- Deployed on BTP available for SAP S/4HANA Cloud, public edition
- See in action: Central Invoice Management

SAP S/4HANA Sales Order Automation
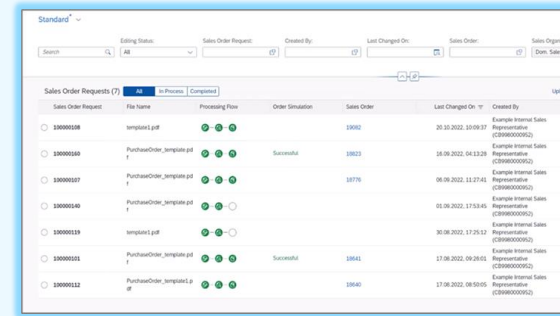
- Enables faster completion to prevent delays in the sales order delivery
- Reduces redundant tasks to free time for users
- Reduces the risk of human errors in the process
- See in action: Sales Order Automation with AI

SAP Concur ExpenseIt
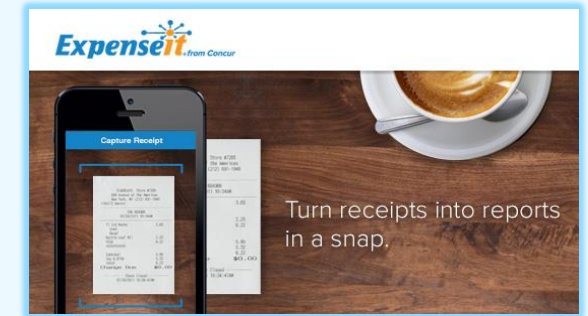
- Images of receipts are captured in the ExpenseIt app
- Information extraction starts on the device with ML models analyzing the image
- Improved employee productivity and overall audit efficiency
- See in action: ExpenseIt

Document Information Extraction

Responsible AI

Document Information Extraction

**Intelligent document processing with SAP
available on SAP Business Technology Platform**

Ingest
your PDF and image files for automated processing

Extract
all relevant Information with Generative AI and specialized models

Enrich
the extracted information with your master data through automated matching
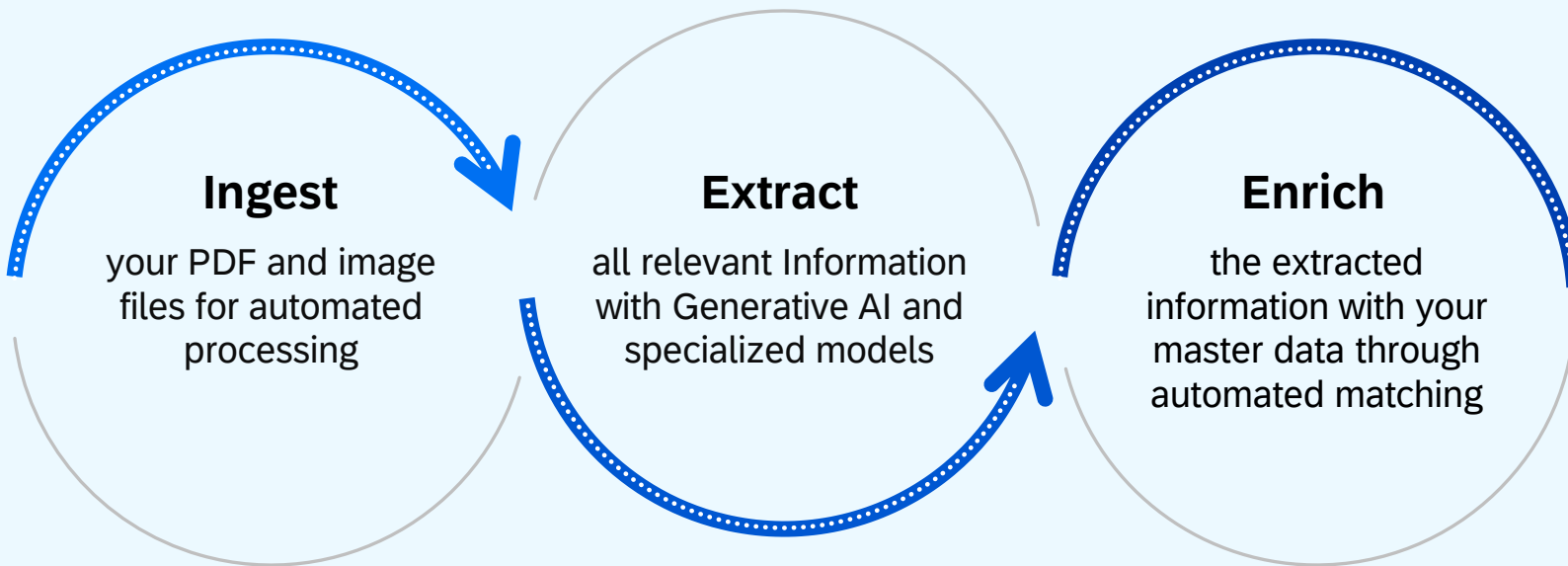
> At Aspen Pumps, the Document Information Extraction service from SAP helps us to achieve ~90% of extraction accuracy for supplier invoices out of the box, laying a great foundation for much faster execution of Accounts Payable processes. It helps to save up to 350 hours monthly in invoice processing, so approximately £5000 per month.

- Jon Curtis, Group Business Systems Consultant, Aspen Pumps Group

HAMBURG

HomeMade

REHAU

AVAYA

Walgreens Boots Alliance

SAP **Innovation Awards 2023**

SAP **Innovation Awards 2022**

Document Information Extraction

BASE

Automate core business document processing use cases in selected languages.

Use cases (supported languages)
- Invoice (15)
- Payment Advice (2)
- Purchase Order (3)
- Business Card (14)
- Template processing (41)

NEW

PREMIUM

Automate all business document use cases in most languages end-to-end.

Out of box support for **40+ languages with easy extensions** for any kind of document.

- Auto extraction based on Generative AI
- Global language coverage
- Soon: Extensions of SAP Standard Schemas
- Outlook: Immediate Improvement

Document Information Extraction, Premium Edition

Wrap up

✓ ~80 percent of data is unstructured. Great deal of business data is locked in business documents

✓ SAP is at the forefront of adopting Generative AI in reliable, relevant and responsible way

✓ SAP provides state-of-the-art GenAI capabilities to process unstructured documents of any kind. Check out:

Document Information Extraction premium edition

Assets:

Available on SAP BTP Trial - get started with tutorials!

State tuned with SAP Community for the GA!

SAP BTP Guidance Framework

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SAP BTP Guidance Framework

SAP BTP
Guidance Framework

Guidance for **architects**	Guidance for **developers**	Guidance for **administrators**

Best practices | Learning and enablement | Community

Business Technology Platform

App Dev	Automation	Integration	Data and Analytics	Artificial Intelligence (AI)

SAP BTP Guidance Framework

SAP BTP
**Guidance
Framework**

Guidance for architects

Guidance for developers

Guidance for administrators

Decision guides

Reference architectures

Recommendations

Methodologies

DevOps

Best practices | Learning and enablement | Community

Business Technology Platform

App Dev

Automation

Integration

Data and Analytics

Artificial Intelligence (AI)

WHAT IS IT?

SAP BTP Guidance Framework is your compass for architecting, implementing, and operating solutions on SAP BTP. It provides a central access point for decision guides, reference architectures, methodologies, and many best practices.

SAP BTP Guidance Framework
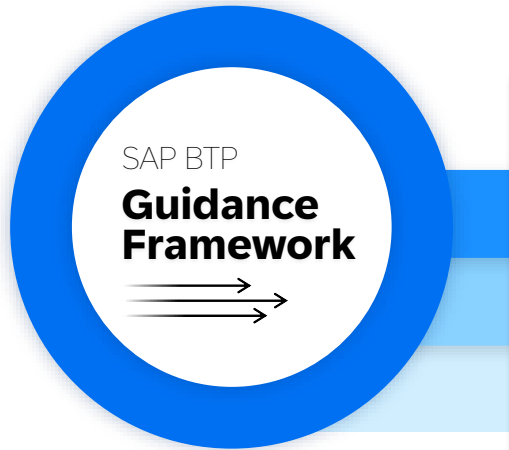
SAP BTP
Guidance Framework

WHAT IS IT?

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Guidance for **architects**

Guidance for **developers**

Guidance for **administrators**

Decision guides

Integration architecture guide 🔗
Extension architecture guide 🔗

SAP BTP Developer's Guide 🔗

Reference architectures

SAP BTP reference architectures 🔗 | Business process blueprints 🔗

Recommendations

Security recommendations 🔗

Methodologies

SAP Integration Solution Advisory Methodology 🔗
SAP Application Extension Methodology 🔗
SAP Data and Analytics Advisory Methodology 🔗

DevOps

DevOps with SAP BTP 🔗

Best practices 🔗 | Learning and enablement 🔗 | Community 🔗

Business Technology Platform 🔗
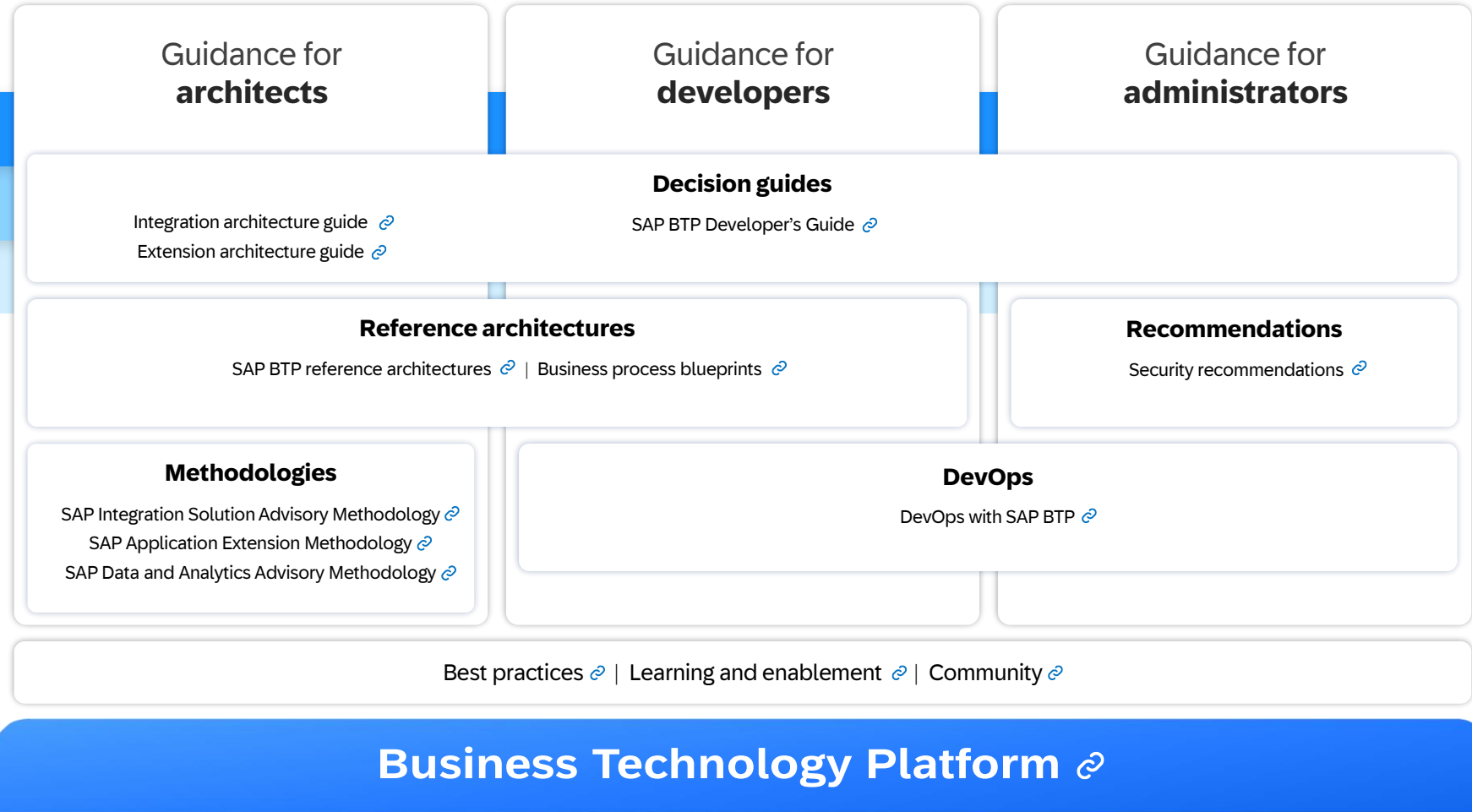
Methodologies

Methodologies provide a structured and technology-agnostic approach to define and execute domain-specific strategies.
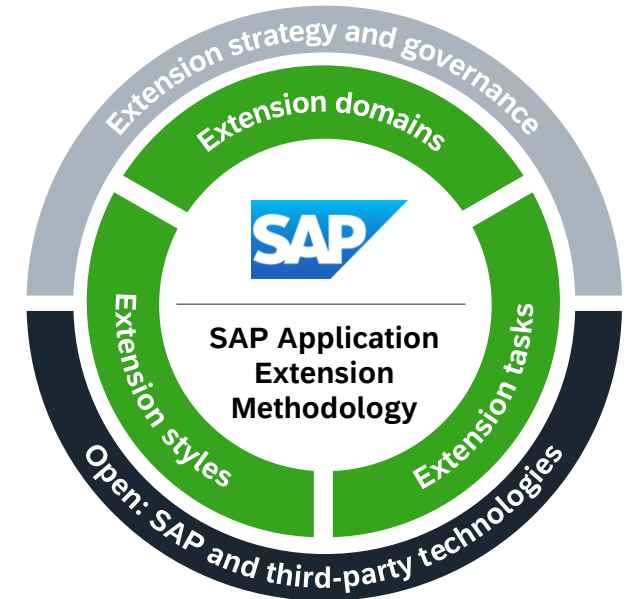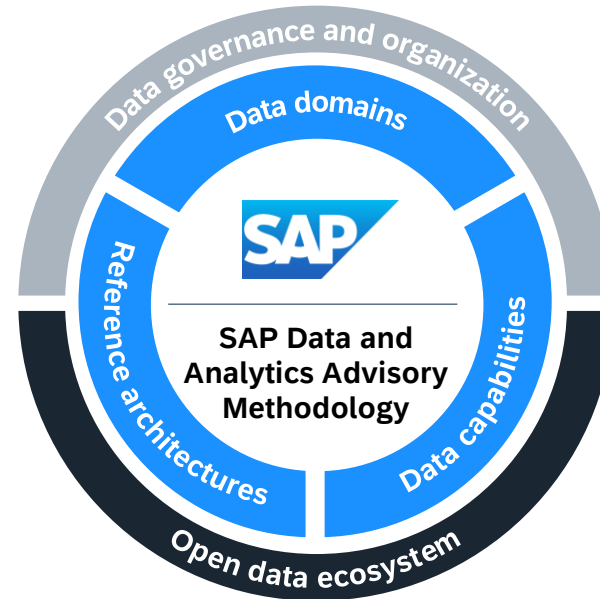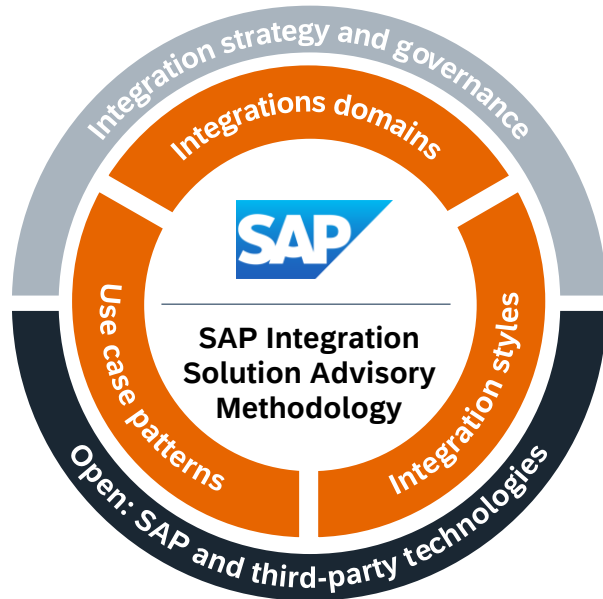
SAP BTP Developer's Guide
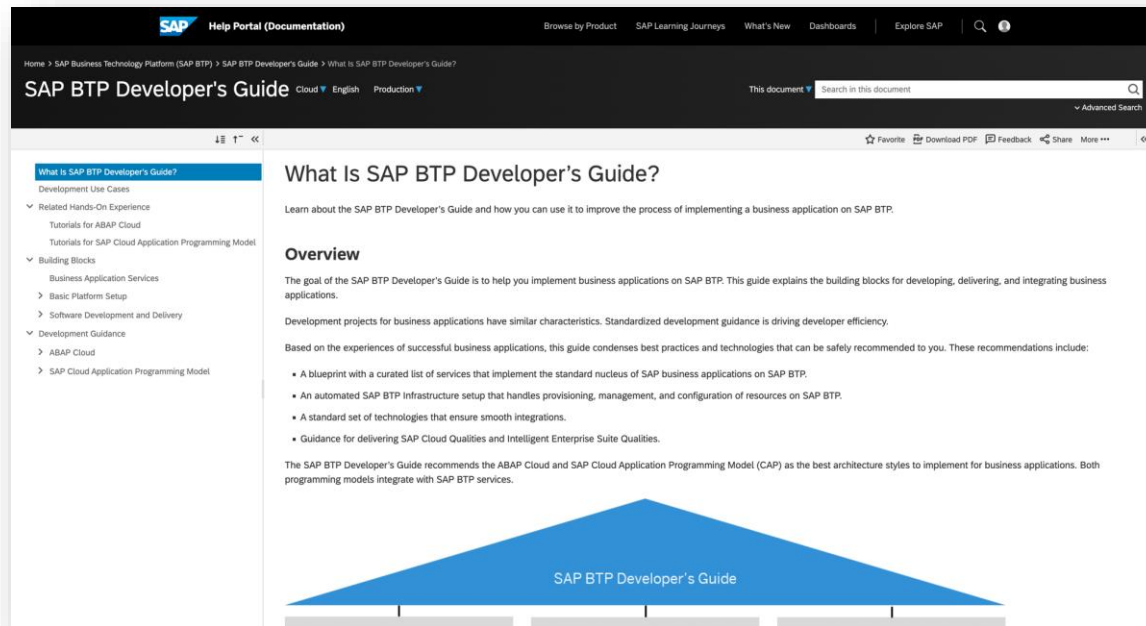
The SAP BTP Developer's Guide offers developer guidance to software developers on how to implement business applications as an integrated part of SAP software on SAP BTP.

It consists of:

- Architecture blueprint with a curated list of services implementing business applications on SAP BTP
- Description of the software development and delivery processes
- Instructions on how to deliver cloud and suite qualities

Reference Architectures
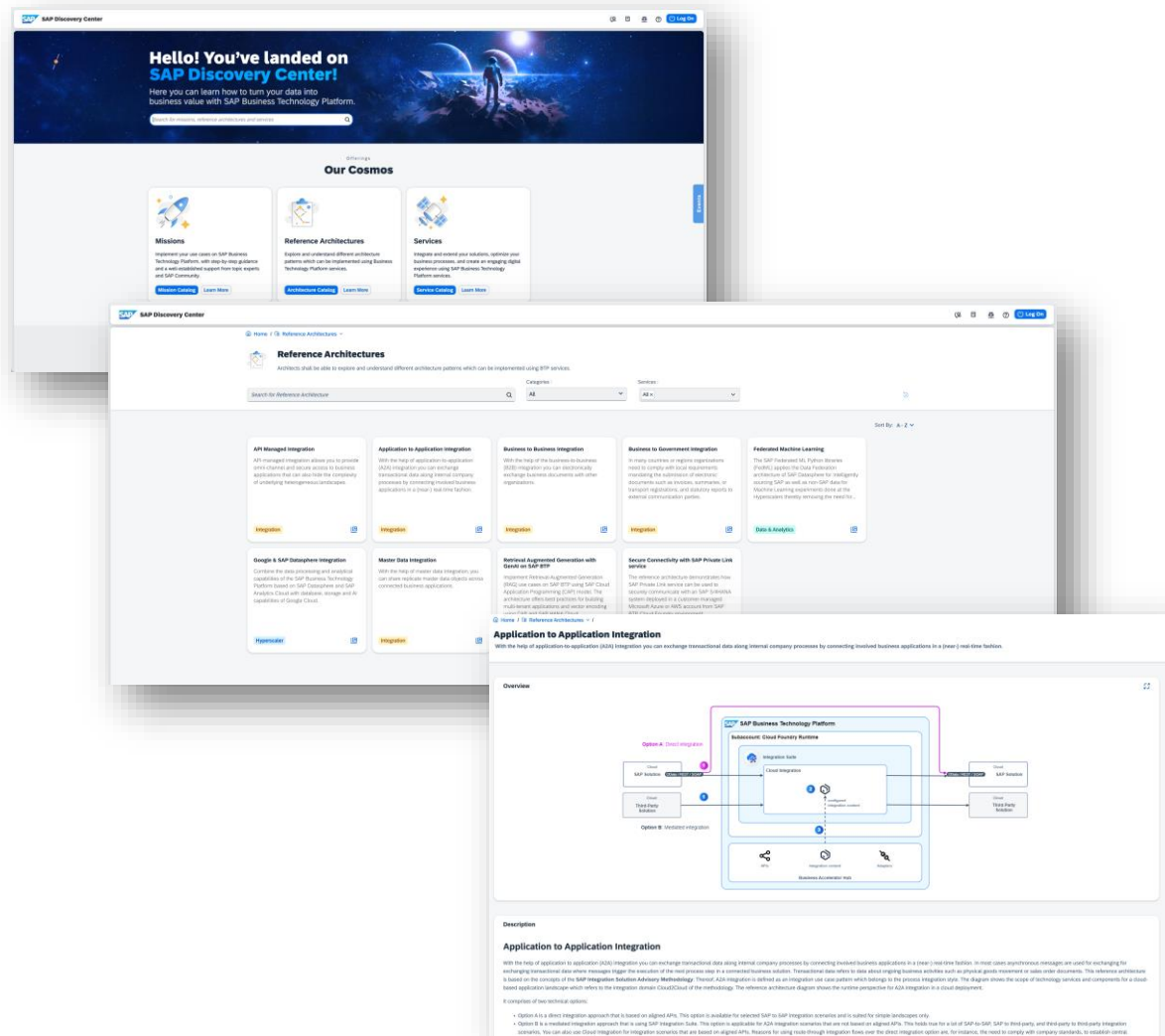
Reference architectures for SAP BTP offer curated template solutions on how to design solution architectures for a particular technology domain on SAP BTP.

A reference architecture consists of:

- Architecture diagram that describes the interaction of technology services with each other and with business applications

- Guiding information such as the data flow, characteristics, and adoption examples in an SAP software context

- Related missions on the SAP Discovery Center site that allow you to start implementing a tailored version of the architecture

Summary

The **SAP BTP Guidance Framework** provides a central access point for architects, developers and administrators to build and run enterprise-grade solutions on SAP BTP.

Explore your compass toward architecting, developing, and operating solutions on SAP BTP. The framework comprises of the following elements:

- **Decision guides** helping you to identify the technology option that best fits your needs.

- **Reference architectures** that allow you to explore how to architect solutions on BTP with the help of curated solution templates.

- **Methodologies** that offer a guided approach toward increasing your cloud technology maturity level, covering both technical and organizational aspects.

- **Recommendations** for different technology domains helping you to evaluate and choose the right implementation option.

- **DevOps** principles that enable your development and operations teams to be more efficient.

- Get started with exploring **best practices**, grow your skills with **learning and enablement** offerings for SAP BTP and engage with us in the **SAP Community**.

https://url.sap/3jfarc

Thank you.

Contact information:

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