



# Navigating Your Path to Success With SAP BTP

Jey Ping, Executive Advisor, Chief Customer Office, SAP

Las Vegas

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2024

**SAP**insider

## In This Session

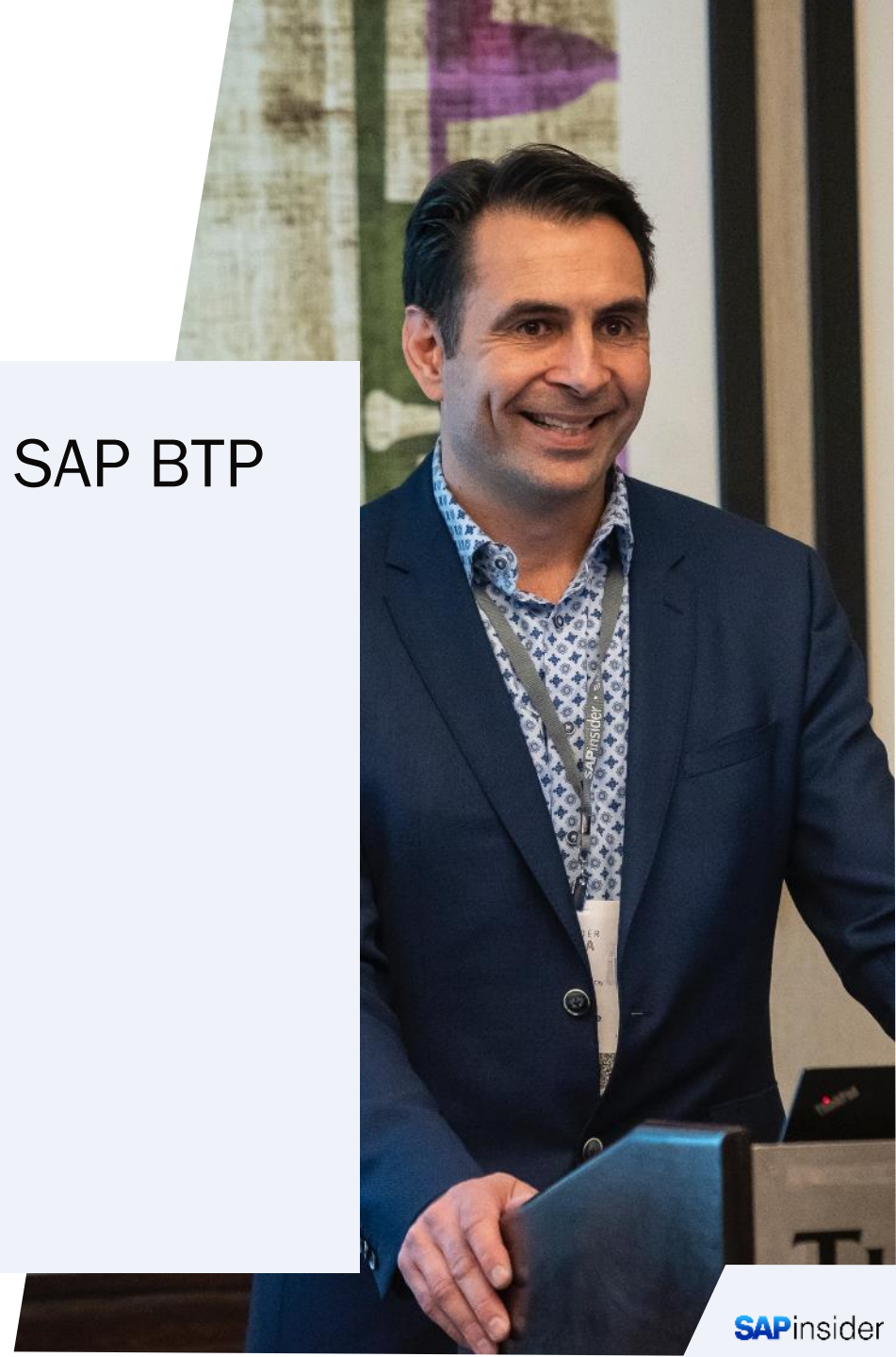
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- Familiarize yourself with the functionalities offered by SAP BTP and how they integrate with SAP's ecosystem
- Stay updated with the latest developments and future enhancements in SAP BTP
- Understand the developer guidelines, best practices, and coding techniques to create robust and scalable solutions

# What We'll Cover

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- Better business outcomes with SAP BTP
- Explore the SAP BTP Guidance Framework



# Your Voice!

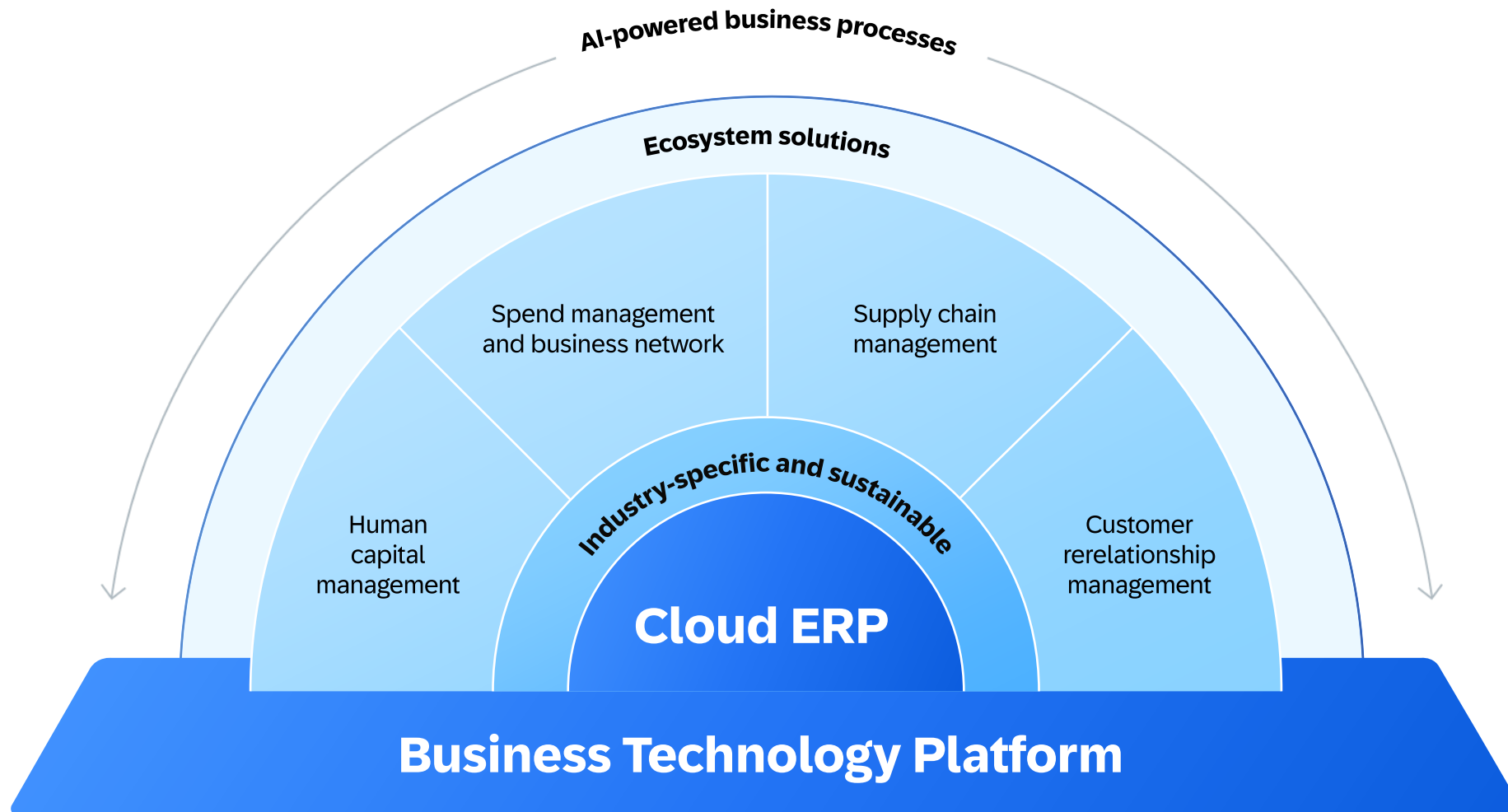
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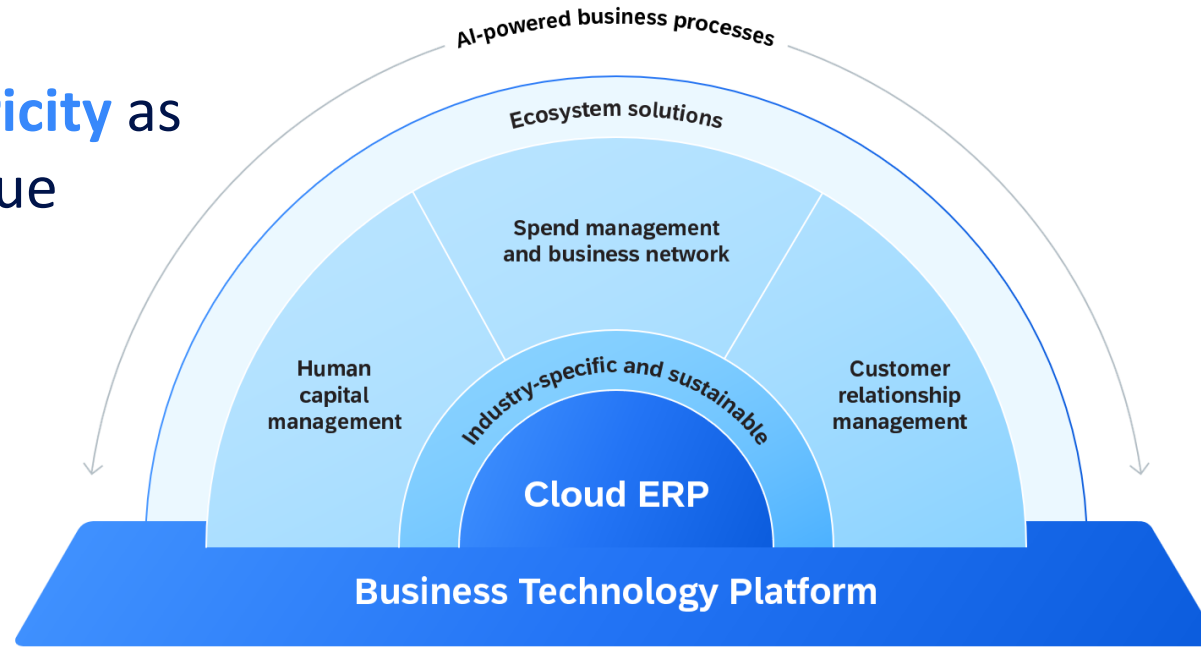
# SAP BTP: The Foundation of SAP's Innovation Strategy



## Pairing foundational qualities with a clear differentiation



**Business centricity** as  
our unique value



### Foundational qualities

#### Unified

- Unified platform for innovation along comprehensive business processes
- Smooth integration between SAP BTP services
- Harmonized operations and UI

#### Enterprise-grade

- Built-in security and compliance
- Reliability, performance, and scalability
- Simple and intuitive user experience
- Lifecycle management

#### Open

- Embracing open-source technology
- Interoperability with 3rd-party applications and data
- Growing ecosystem of strategic partners

# SAP Business Technology

Unlock your Business

## Application Development and automation

Solutions including low-code and pro-code offerings for professional developers and business experts drive innovation across the company.

## Data and analytics

SAP data and analytics solutions provide organizations with a modern, open cloud architecture, making the most out of the value of SAP and non-SAP data.

## Extended planning and analysis

Extended planning and analysis (xP&A) solutions bring people and plans together to increase agility and performance.

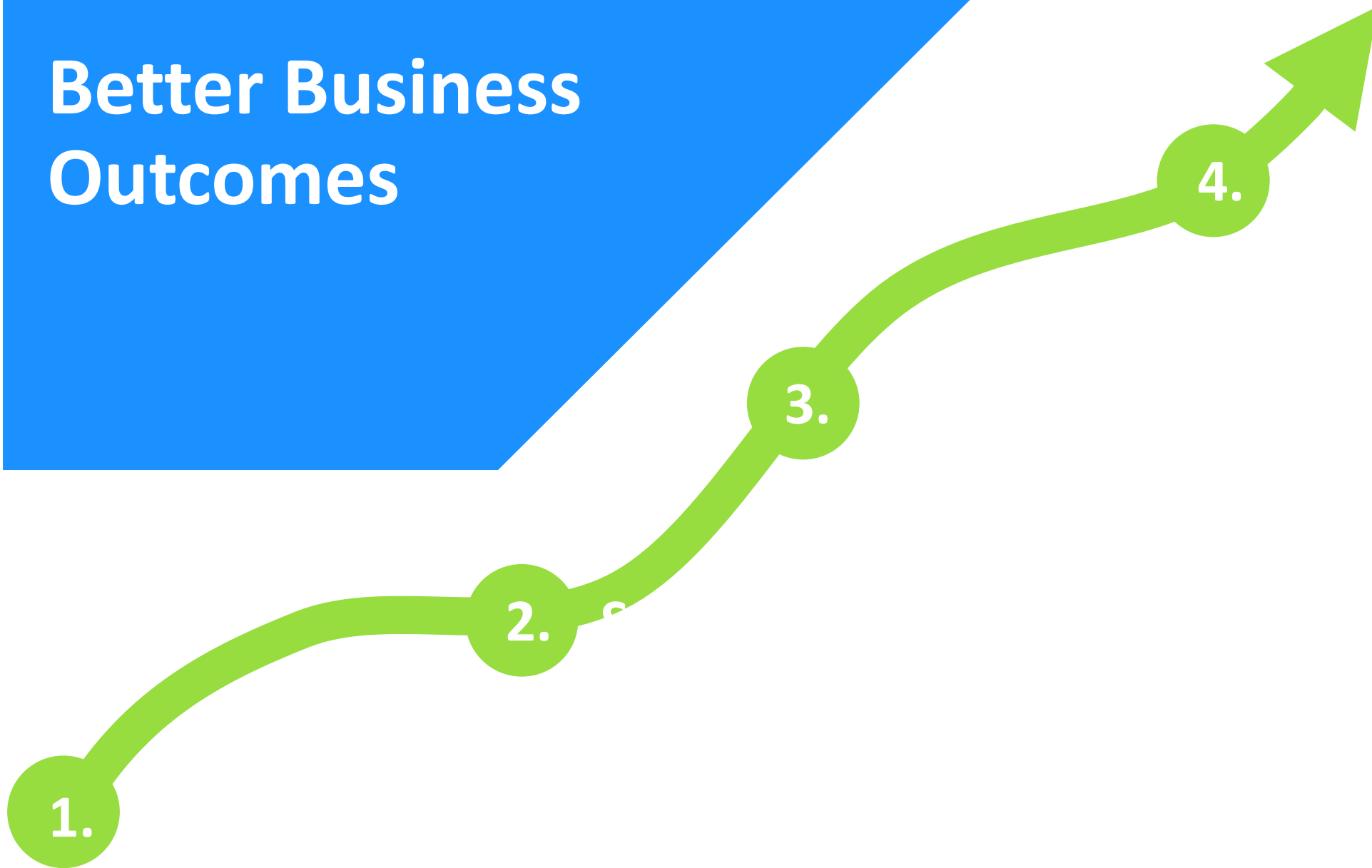
## Integration

SAP's integration platform-as-a-service (iPaaS) allows enterprises to quickly integrate on-premise and cloud-based processes, services, applications, events, and data.

## Artificial Intelligence

Connect finance, supply chain, procurement, sales and marketing, human resources, and IT with built-in AI for your core business processes.

# Better Business Outcomes





# 1. Move to the Cloud

**RISE  
WITH  
SAP**

**GROW  
WITH  
SAP**

# 1. Move to the Cloud

Migration Tools

Integration

Data cleansing

Master data

Testing, etc.

Gartner Predicts:

“By 2027, GenAI tools will be used to explain legacy business applications and create appropriate replacements, reducing modernization costs by 70%.”

# Clean Core

SAP BTP enables ERP  
customization without the  
traditional downsides

**Agility**

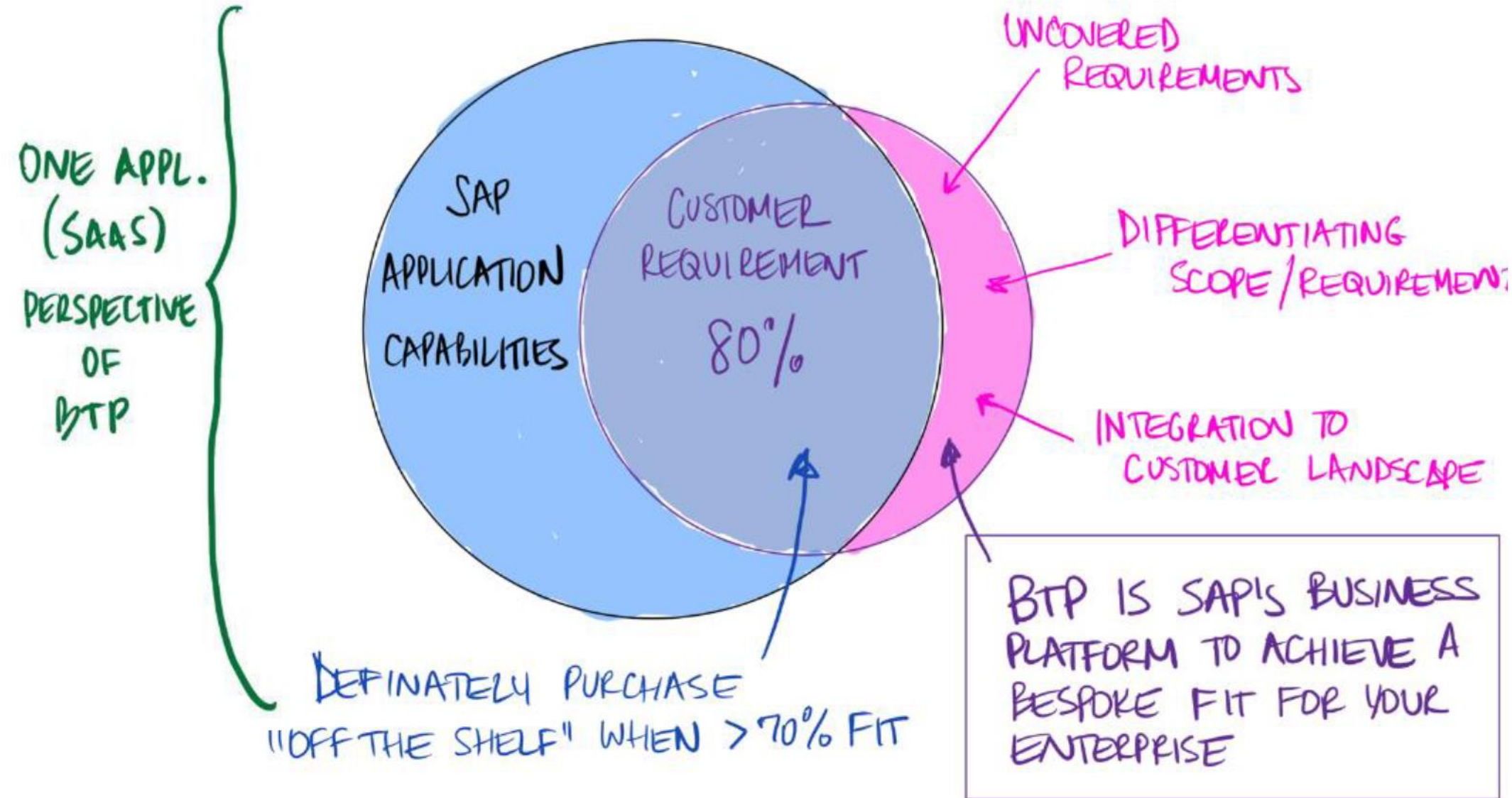
**Cost savings**

**Resilience**

**Composable ERP**



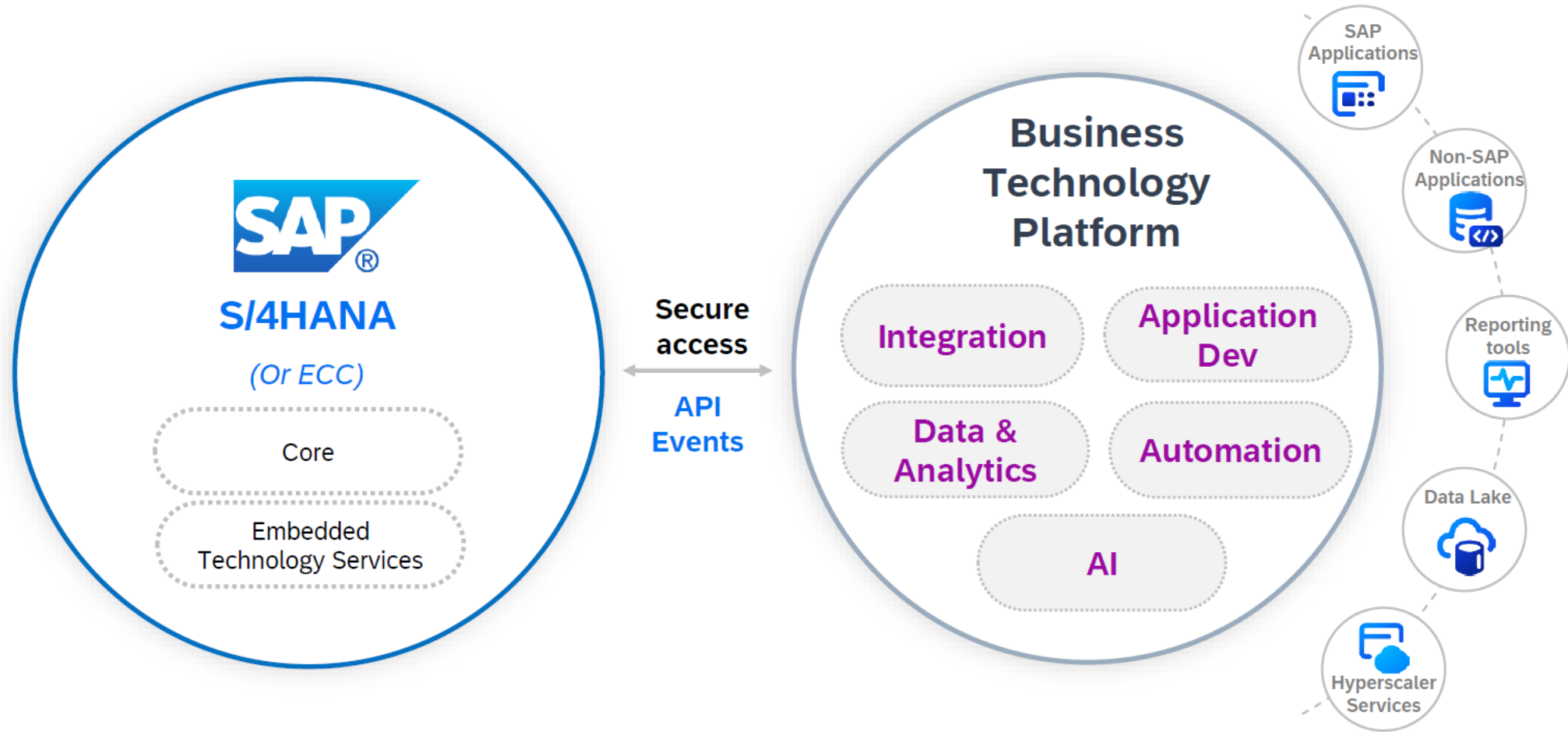
# ① THE ROLE OF BUSINESS TECHNOLOGY PLATFORM (BTP)





# Future-proofing technology transformations

by de-coupling extensions and advanced analytics from the systems of engagement



# New Business Models

SAP BTP gives you the flexibility to adapt to support new value approaches

**Digital services**

**Personalized products**

**Subscription-based models**

**Value-based / risk-sharing**

**Customer care platforms**



A photograph of a dark, arched tunnel, possibly a subway or underground passage. The floor is covered in water, which reflects the lights at the end of the tunnel. The walls are made of concrete or stone, and the ceiling is arched. The lighting is dim, with a bright light source at the far end of the tunnel creating a strong reflection on the water.

## 2. Implement a Strong Data Foundation

This is where Innovation starts!



# Business Data Fabric

A modern  
federated “data as  
a product”  
approach

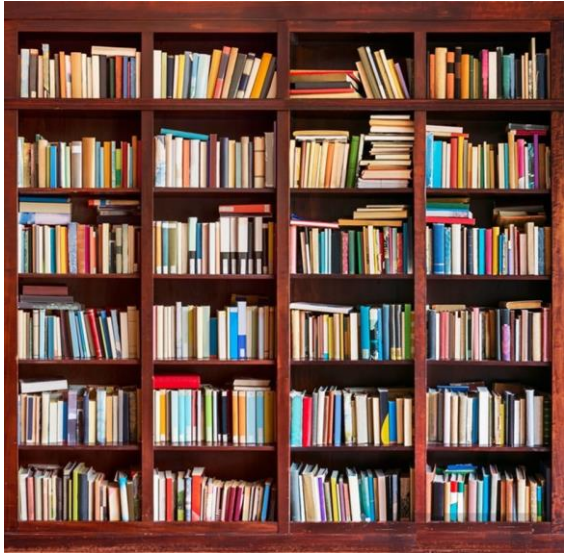




**Keep the business context of  
data**



SAP applications generating  
structured data



Unstructured Data Lake



Add structure to the data in the data  
lake



Easy



Difficult

# Data Management – Core Capabilities



## Data Integration

**Connect and integrate everything,** structured, unstructured or streaming



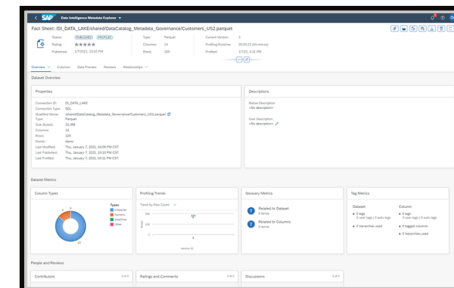
## Data Processing

**Extract meaning from data,** orchestrating any mix of engines



## Data Catalog

**Discover, classify, profile, understand and prepare** all your enterprise data assets



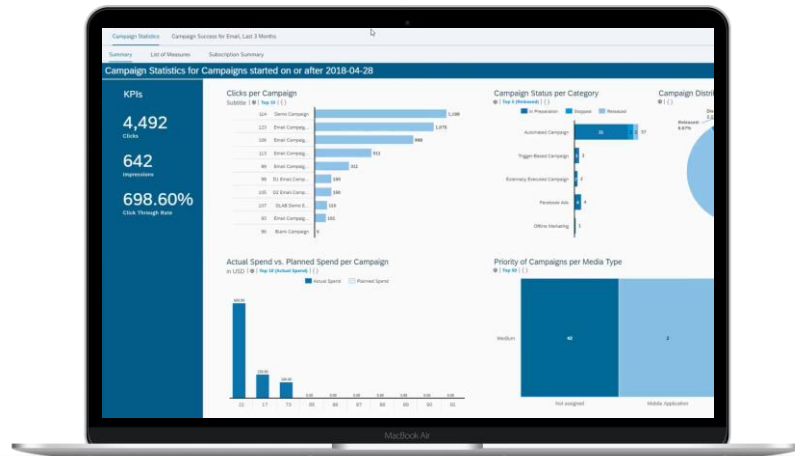
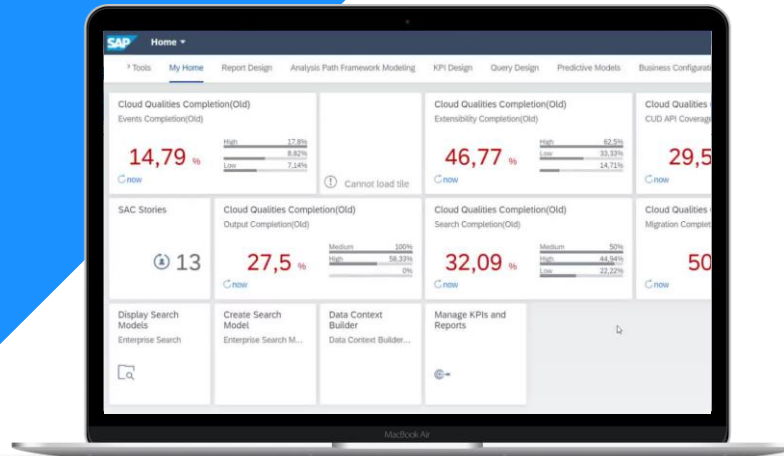


# Analytics

## SAP SuccessFactors

# Integrate insight

## SAP





# Predictive Planning



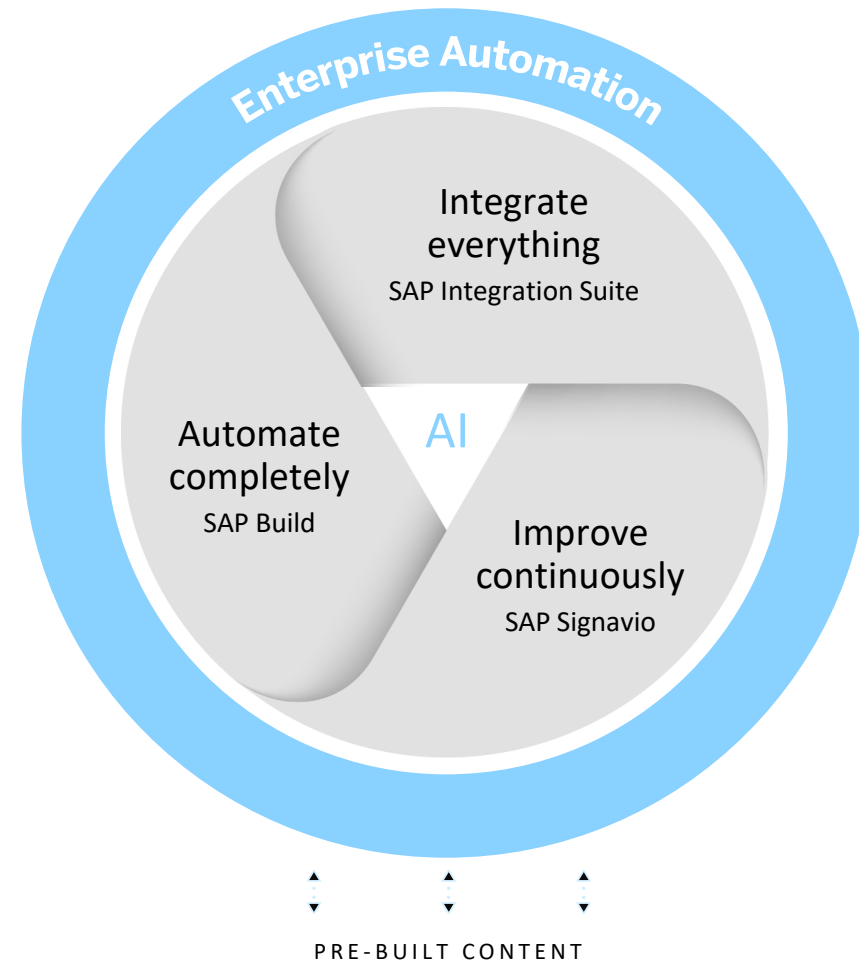
### 3. Innovate Faster

What's holding innovation back isn't the technology—it's the time and resources available for innovation



# Enterprise Automation

Integrate applications, discover inefficiencies and automate processes across heterogenous environments.





# Innovate Faster

Agile application development and customization, mobile applications

Accelerate innovation by letting businesspeople do more of it themselves



# Here come the purple people!

Technology  
professional



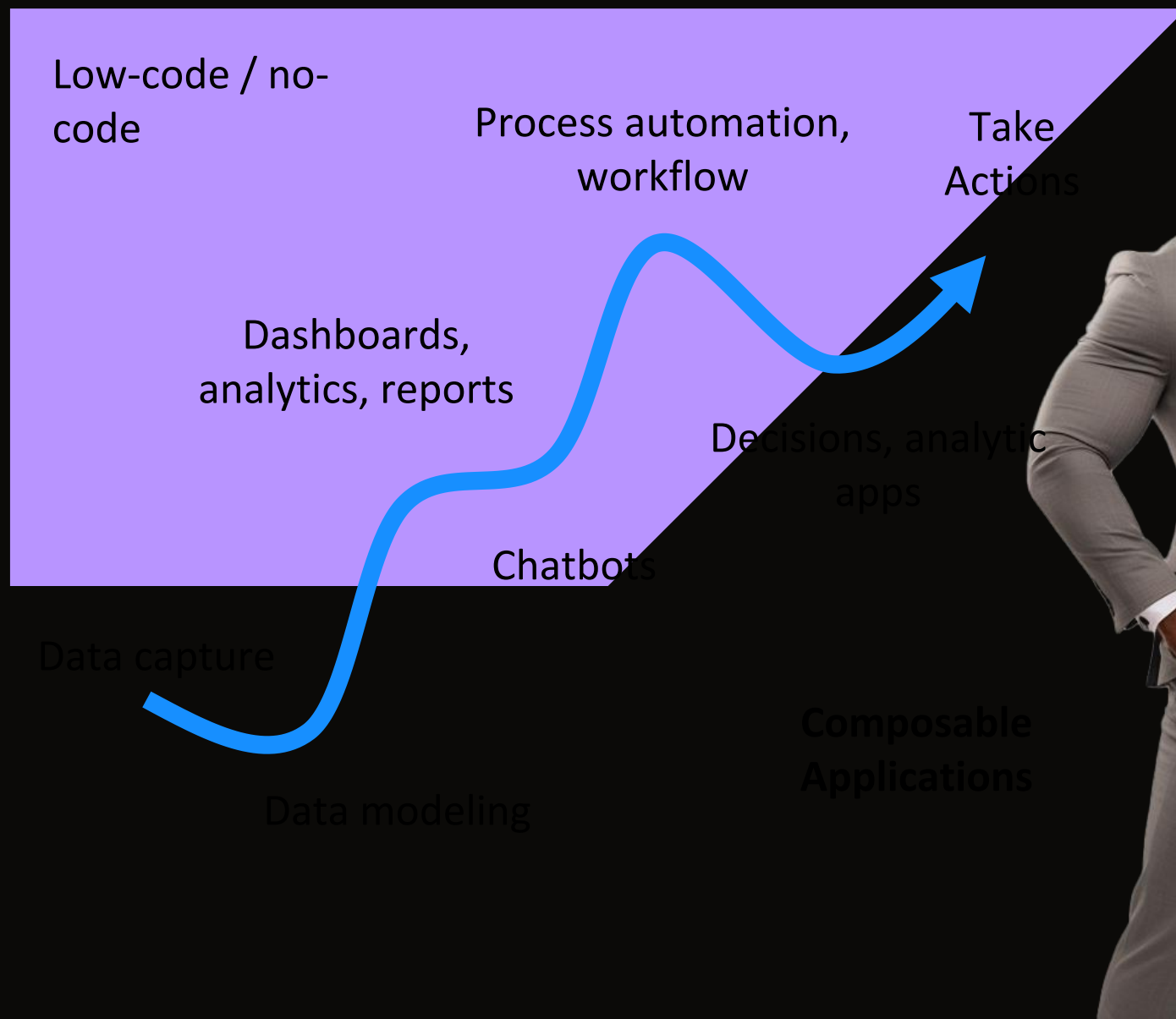
Business technologist

80% of technology products will be built by non-technical people by 2024



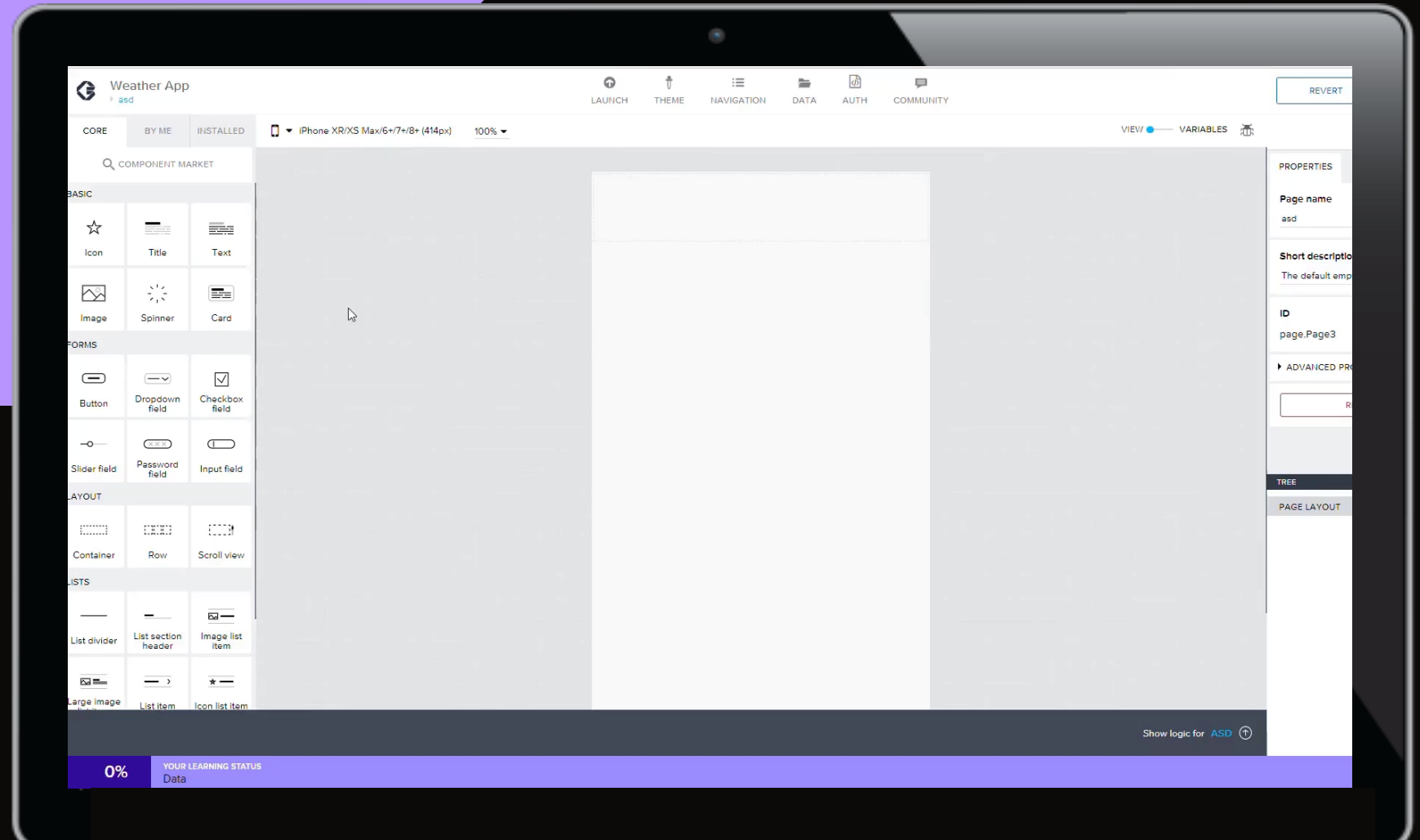
Business professional





# SAP Build Apps

Develop custom  
business apps without  
coding





Not Everybody Is Ready  
To Be Enabled...



**“CO-CODE”**

IT and businesspeople  
working together, with  
governance, security,  
ethics....



## 4. Reimagine the possibilities with Business AI

### Relevant

The most relevant AI delivered in the context of your business processes.

### Reliable

Uniquely reliable AI trained on the industry's broadest business data sets.

### Responsible

AI built on leading ethics and data privacy standards.

# What's hard about AI? Systems and Processes...

“Operationalizing AI has been the biggest issue since I’ve been at Gartner—actually trying to get the system to deliver business value for the enterprise... at the end of the day, **it has to be part of a system somewhere**”



Erick Brethenoux of Gartner  
Webinar: Beyond the Hype: Enterprise Impact  
of ChatGPT and Generative AI



“

With SAP's rich history and business process expertise, it is **uniquely positioned** to deliver AI that helps customers better leverage data to achieve measurable business outcomes.”

Ritu Jyoti, IDC, Group Vice President,  
Worldwide Artificial Intelligence and Automation  
Research Practice Global AI Research Lead

**Embedded**

**on**

**Bolt-**

**It**

**Build**

Use Pattern 1:  
**Embedded**

# SAP Business AI Approach

Relevant

Reliable

Responsible



**Joule**

A copilot that truly understands your business

## Embedded AI capabilities

Cloud ERP

Human capital  
management

Spend management  
& business network

Customer relationship  
management

Business Technology  
Platform

## AI Foundation

on Business Technology Platform

Use  
Pattern 2:  
**Bolt-On**

Use Pattern 3:  
**Build It**

**AI ecosystem partnerships and investments**



ANTHROPIC

cohere

databricks

DataRobot

Google Cloud

Hugging Face

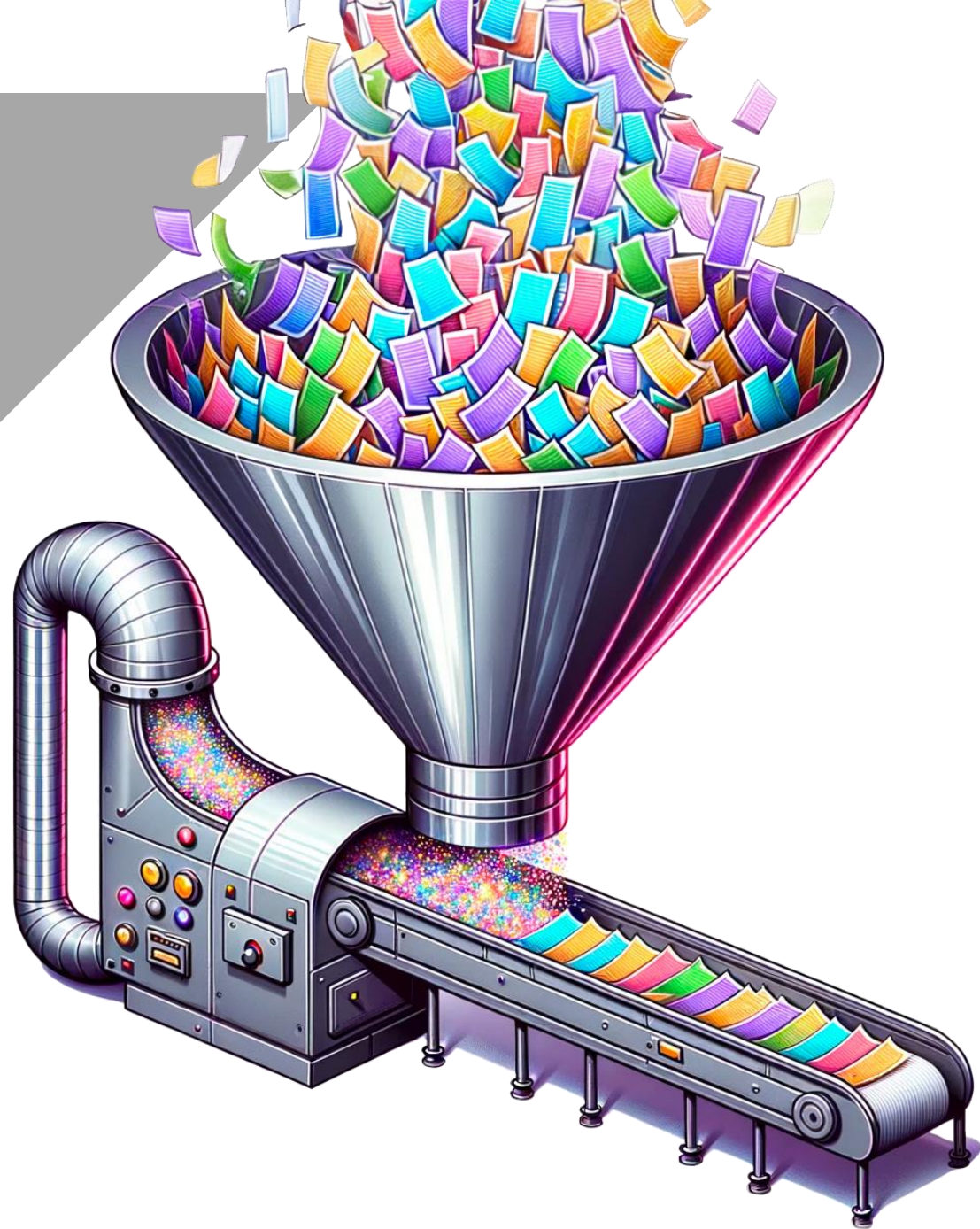
IBM

Microsoft

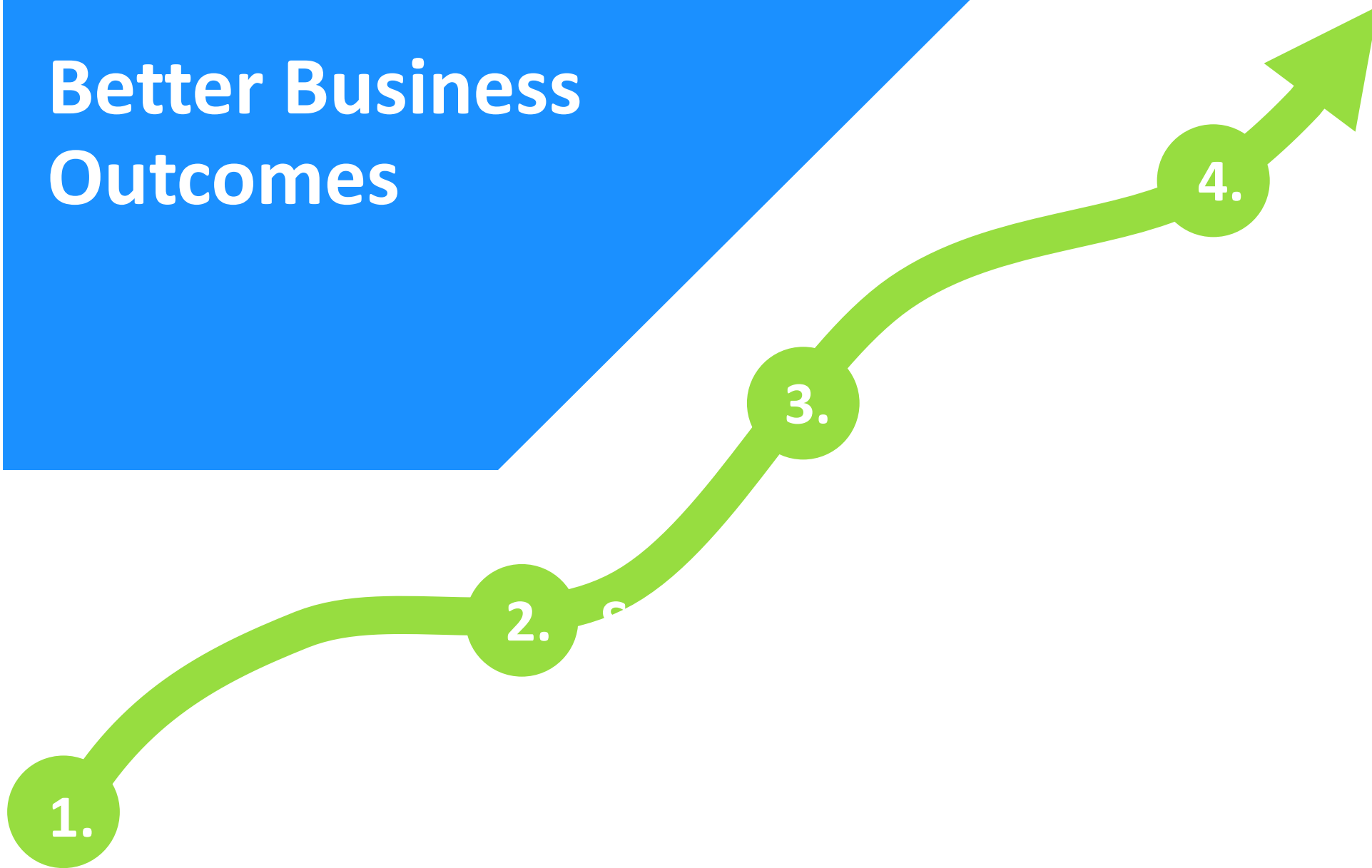
aws



# Looking to the Future: Generative AI for Business Processes

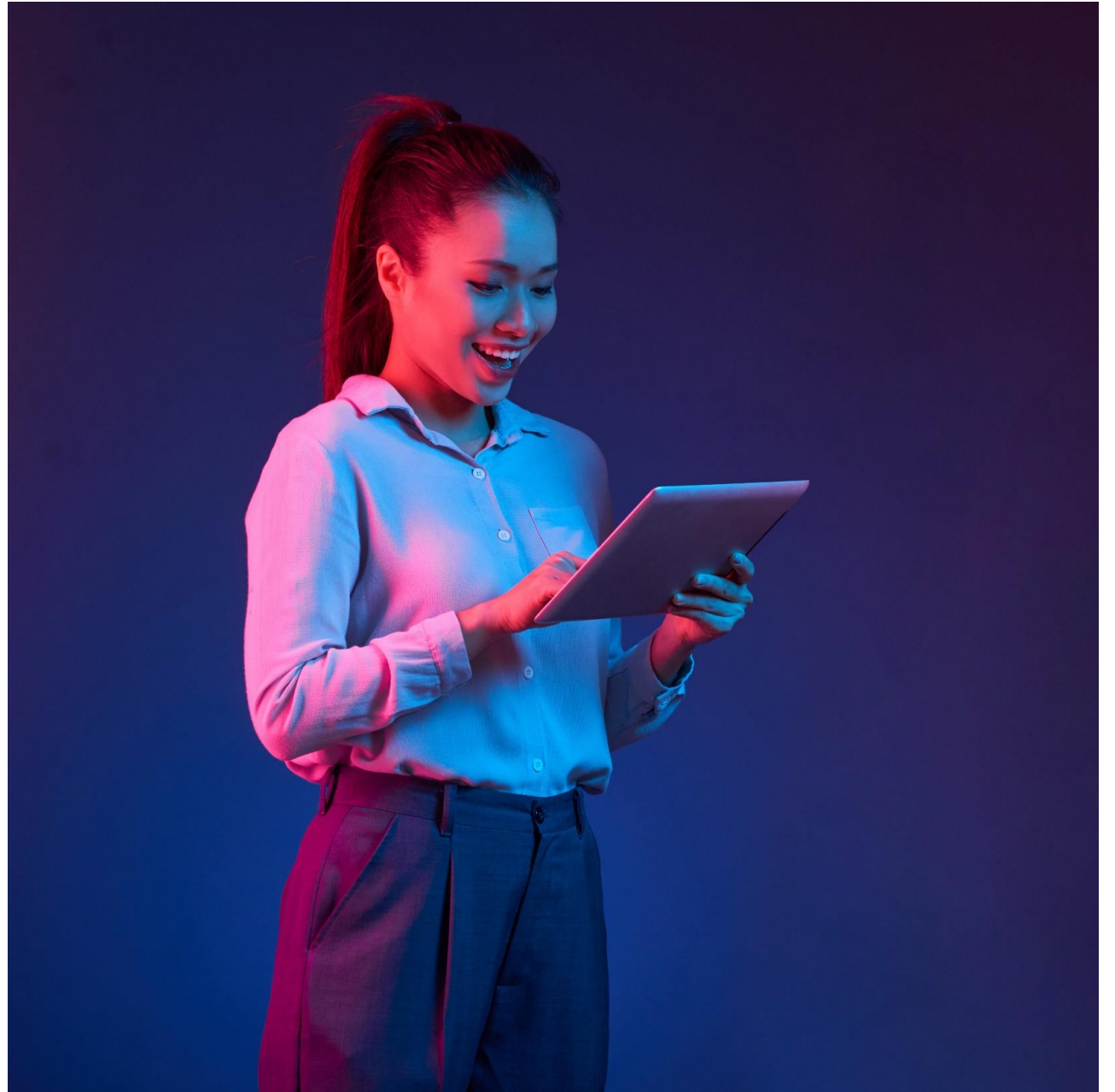


# Better Business Outcomes



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**23k+**  
**customers live**  
**on SAP BTP**





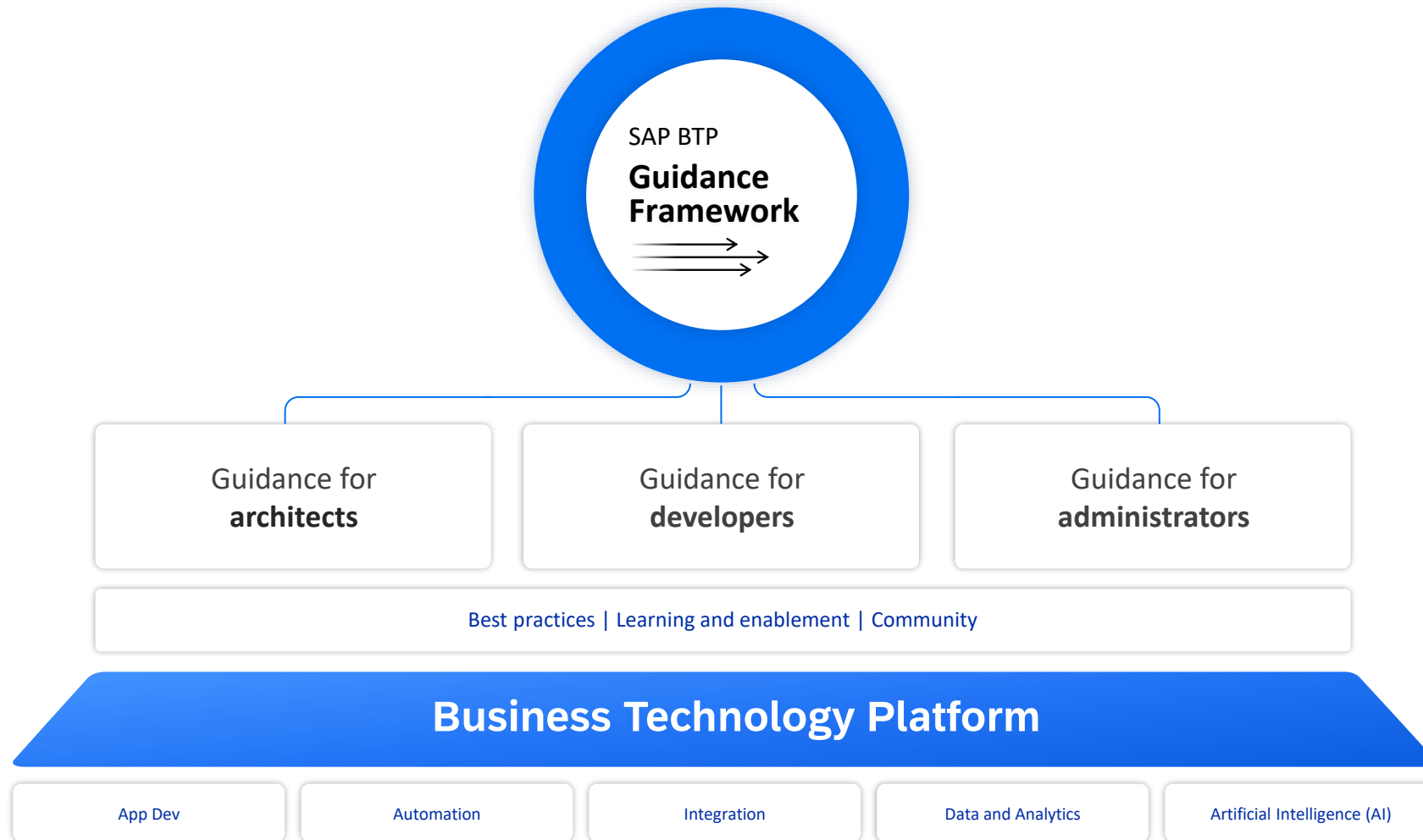
# Explore the SAP BTP Guidance Framework

- Motivation: Why do we need an SAP BTP Guidance Framework
- What is it?
- Sample Content
  - Methodologies & Customer Example
  - SAP BTP Developer's Guide
  - Security Recommendations
  - Reference Architectures

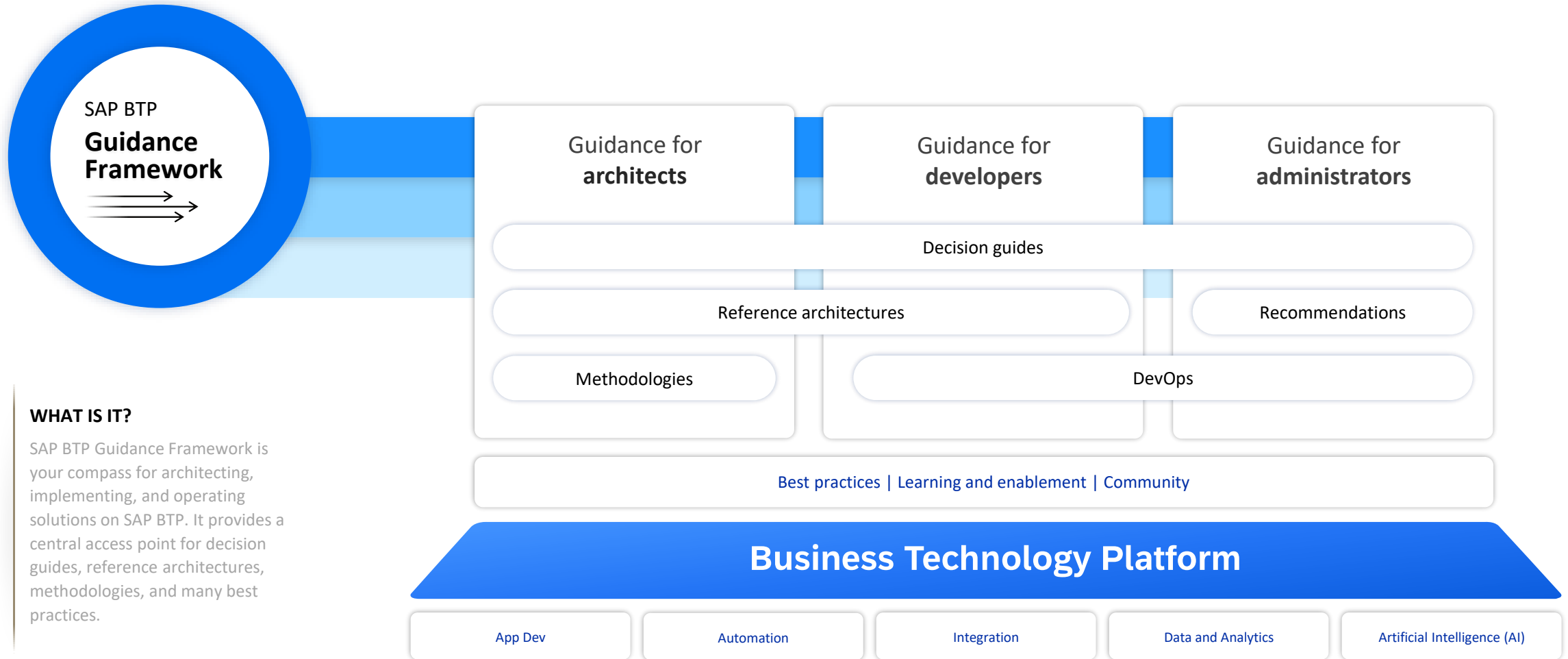


# SAP BTP Guidance Framework

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# SAP BTP Guidance Framework

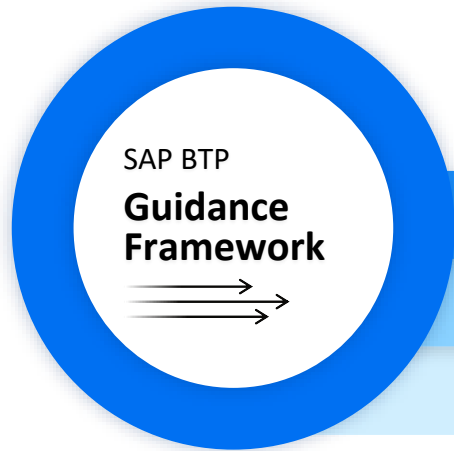


## WHAT IS IT?

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.

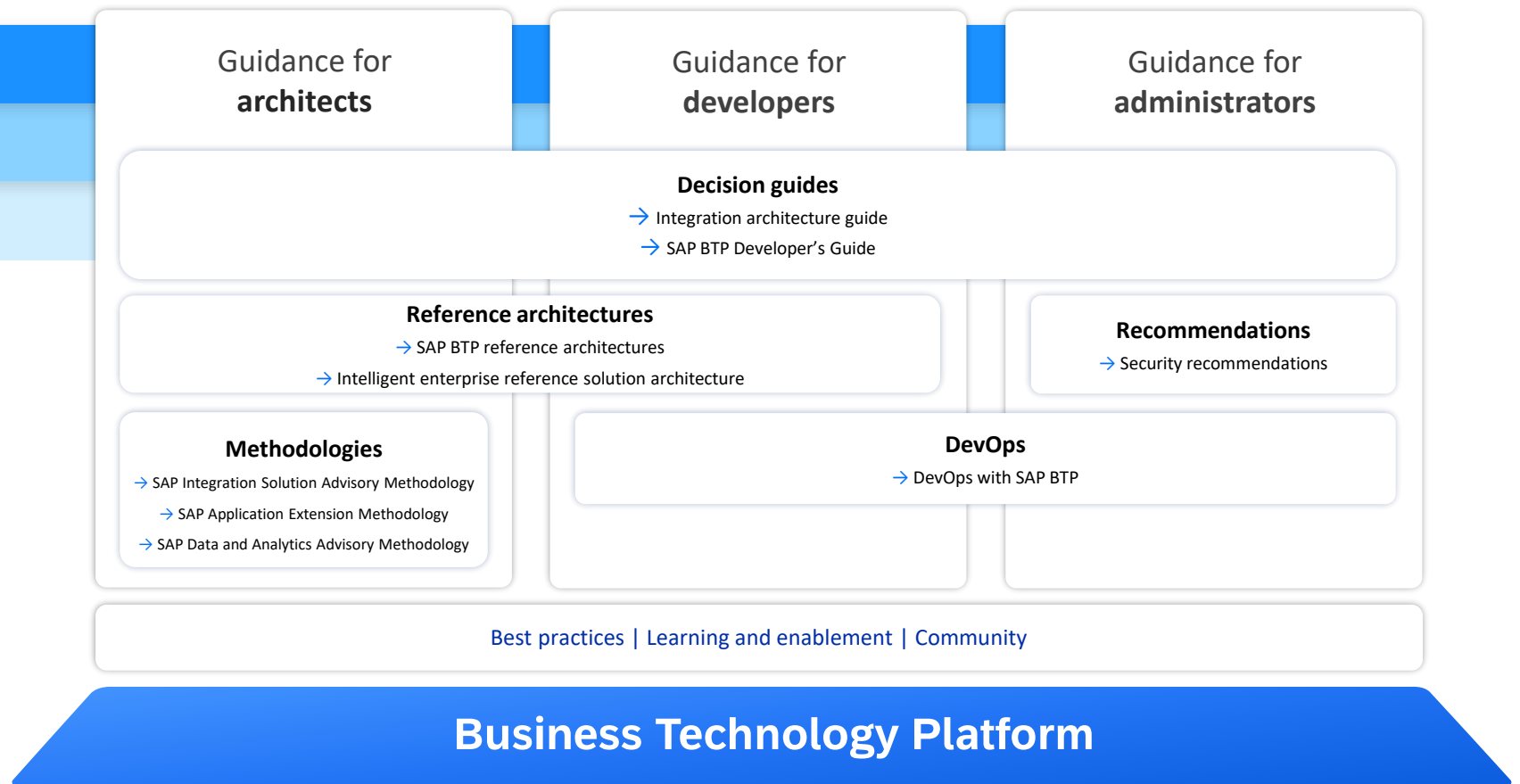


# SAP BTP Guidance Framework



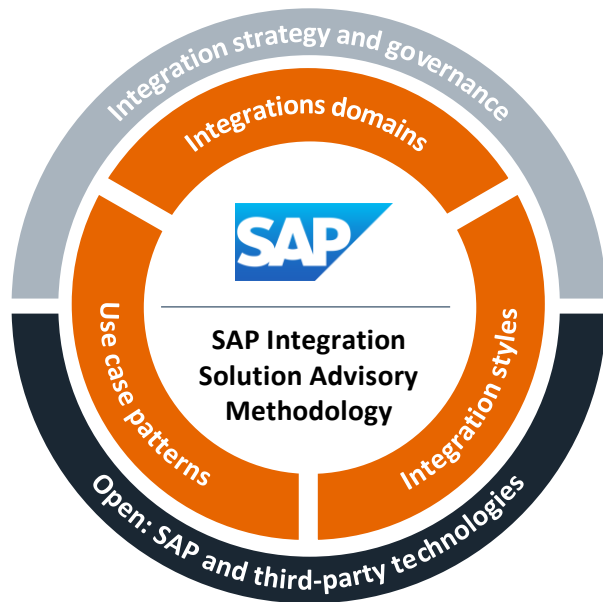
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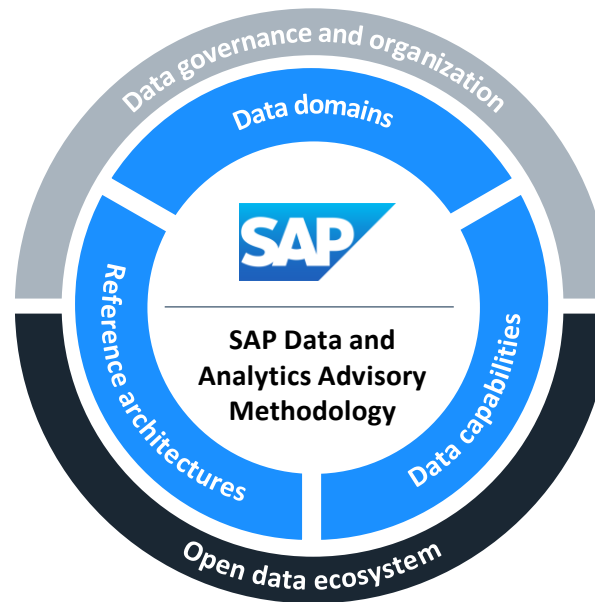


# Methodologies

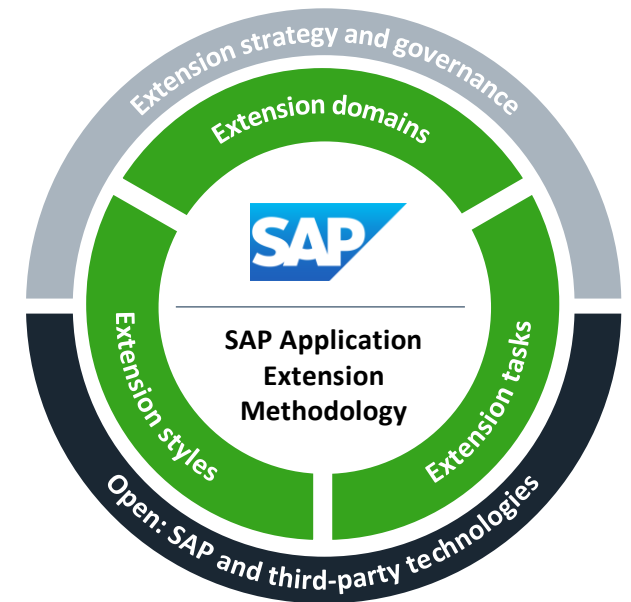
Methodologies provide a structured and technology-agnostic approach to define and execute domain-specific strategies.



[SAP Integration Solution Advisory Methodology](#)



[SAP Data and Analytics Advisory Methodology](#)



[SAP Application Extension Methodology](#)

# Application development and automation - SAP Build Code

## Build rapidly

with AI code generation



Generate code and app logic with AI aligned with SAP-centric programming models from natural language

Turnkey environment for coding, testing, integrations, and application lifecycle management

Guided experiences and prebuilt templates to quickly build full stack, UI, and mobile apps

## Tailored

for SAP development



Prebuilt integration with SAP and non-SAP systems

Trusted security for authentication, authorization, and data protection

Extensibility for SAP S/4HANA and other systems

## Enhanced

fusion development



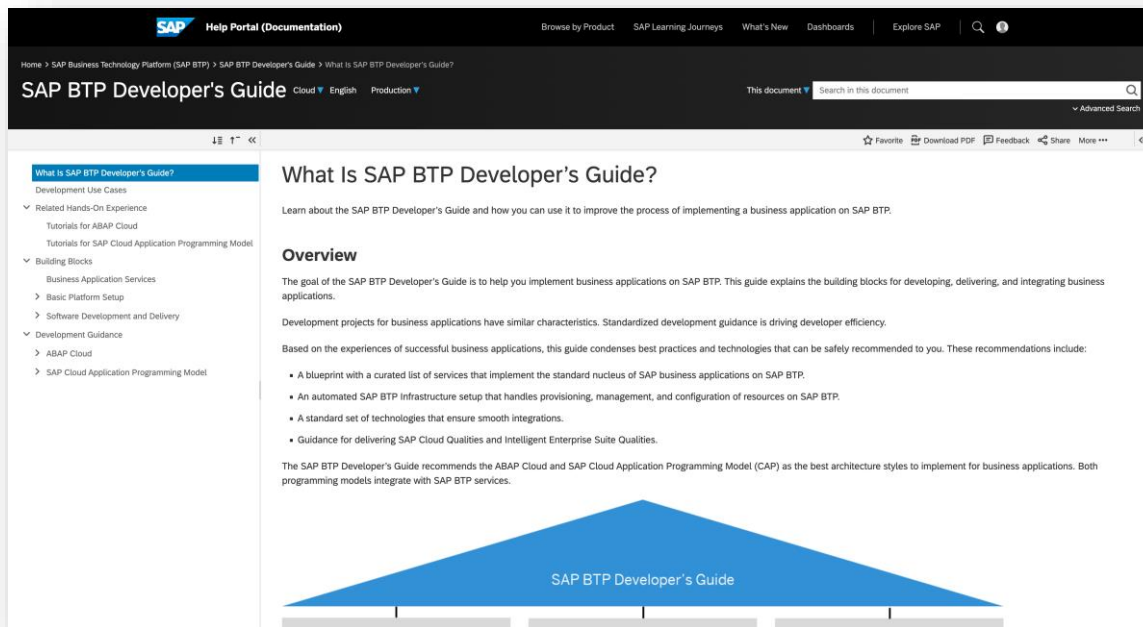
Secure collaboration between professional and citizen developers

App composability across SAP Build and ABAP solutions

Unified governance and simplified application lifecycle management



# SAP BTP Developer's Guide

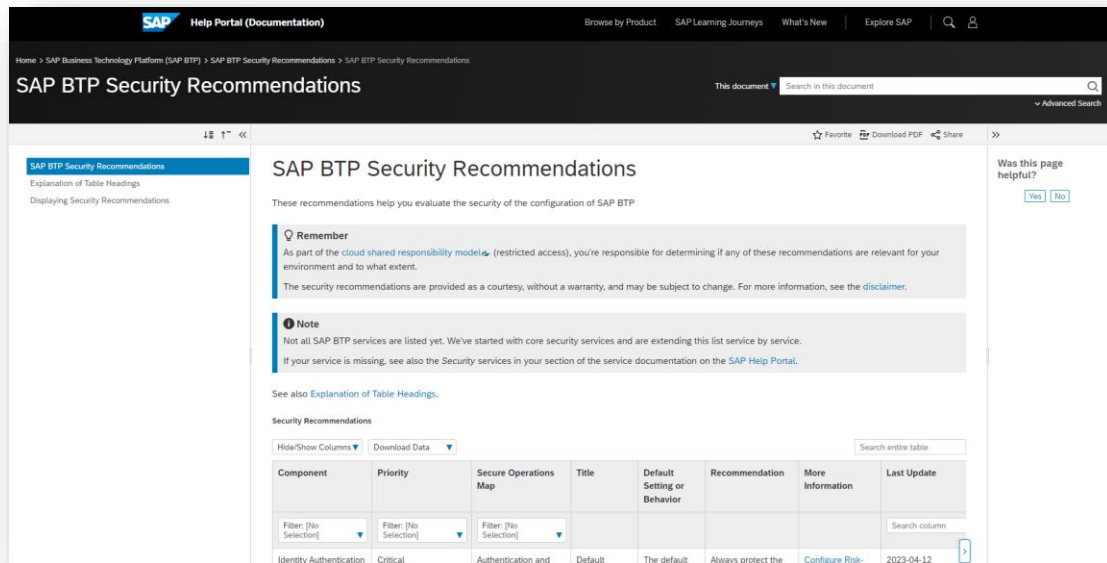


The SAP BTP Developer's Guide offers developer guidance to software developers on how to implement business applications as an integrated part of SAP software on SAP BTP.

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

# SAP BTP Security Recommendations



SAP BTP Security Recommendations

These recommendations help you evaluate the security of the configuration of SAP BTP.

**Remember**  
As part of the [cloud shared responsibility model](#) (restricted access), you're responsible for determining if any of these recommendations are relevant for your environment and to what extent.  
The security recommendations are provided as a courtesy, without a warranty, and may be subject to change. For more information, see the [disclaimer](#).

**Note**  
Not all SAP BTP services are listed yet. We've started with core security services and are extending this list service by service.  
If your service is missing, see also the Security services in your section of the service documentation on the [SAP Help Portal](#).

See also [Explanation of Table Headings](#).

Security Recommendations

Hide/Show Columns Download Data Search entire table

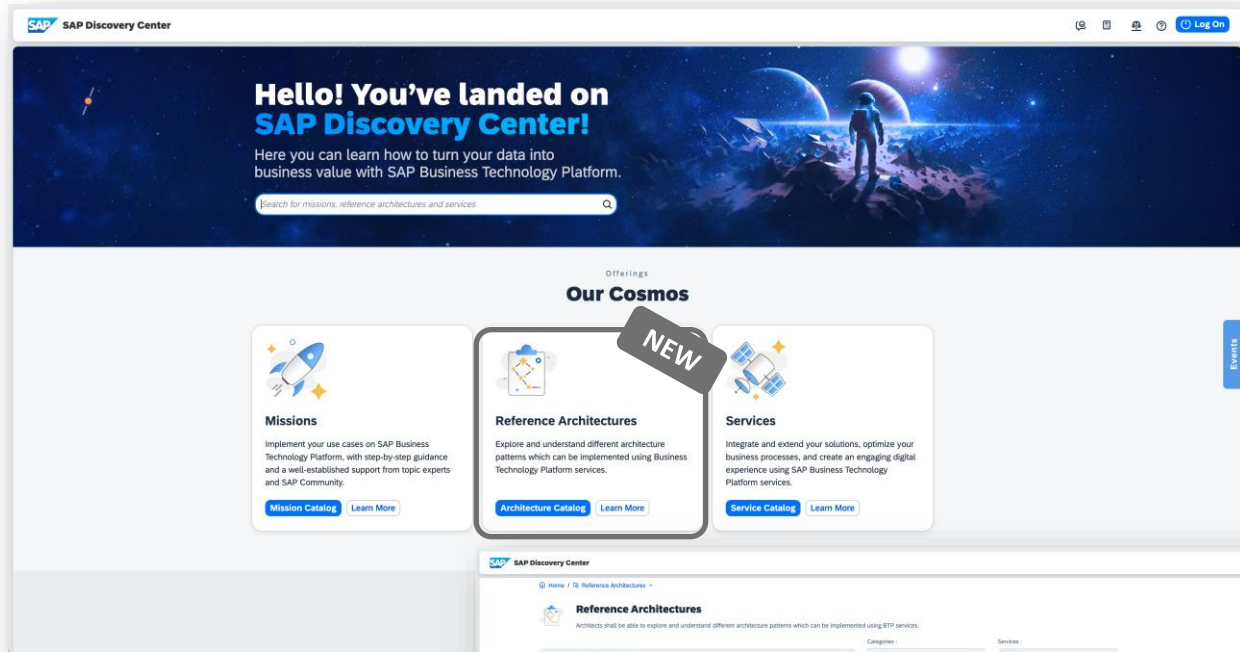
Component	Priority	Secure Operations Map	Title	Default Setting or Behavior	Recommendation	More Information	Last Update
Filter: [No Selection]	Filter: [No Selection]	Filter: [No Selection]					Search column
Identity Authentication	Critical	Authentication and	Default	The default	Always protect the	<a href="#">Configure Risk</a>	2023-04-12

We provide a list with our recommendations for the configuration of SAP BTP services.

These recommendations help you to meet your compliance goals and secure your business.

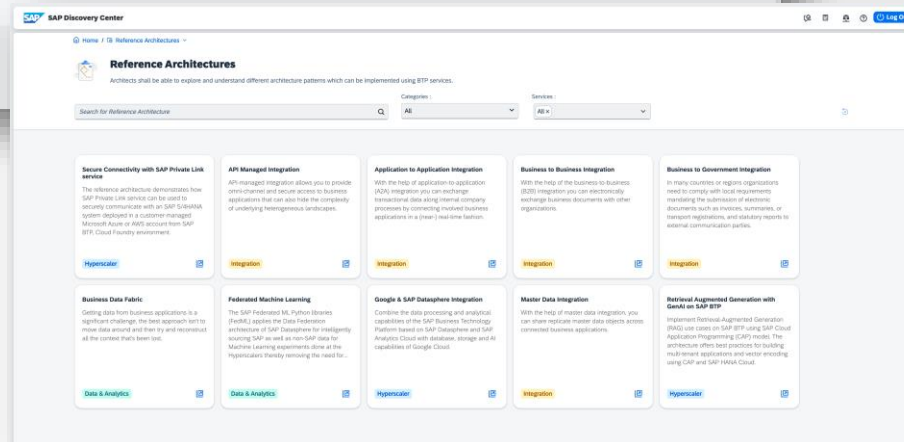
Can be used to create a security baseline template.

# Reference Architectures



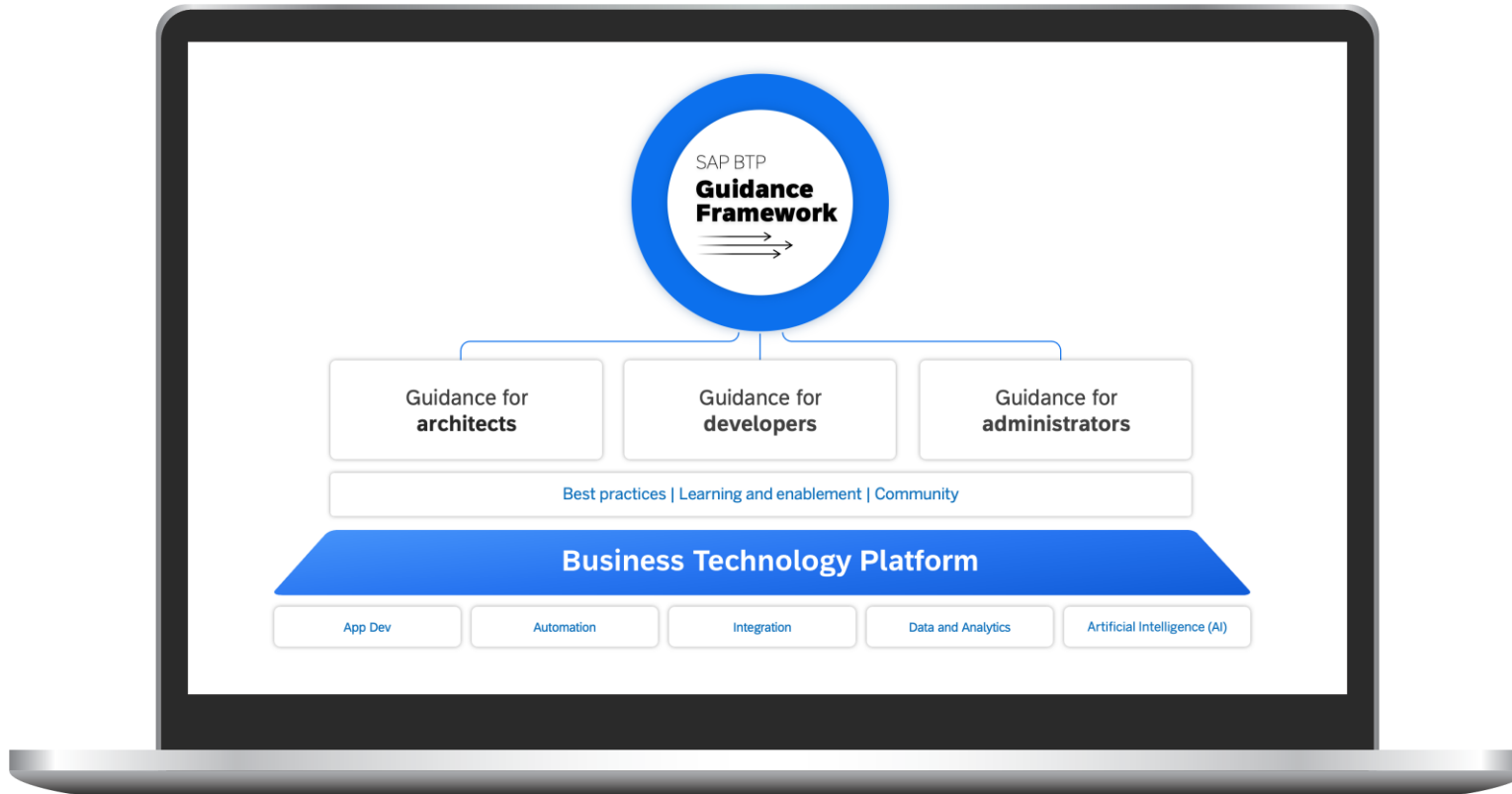
## Explore reference architectures for SAP BTP at SAP Discovery Center

- Architecture diagrams
- Guiding information
- Related SAP Discovery Center missions





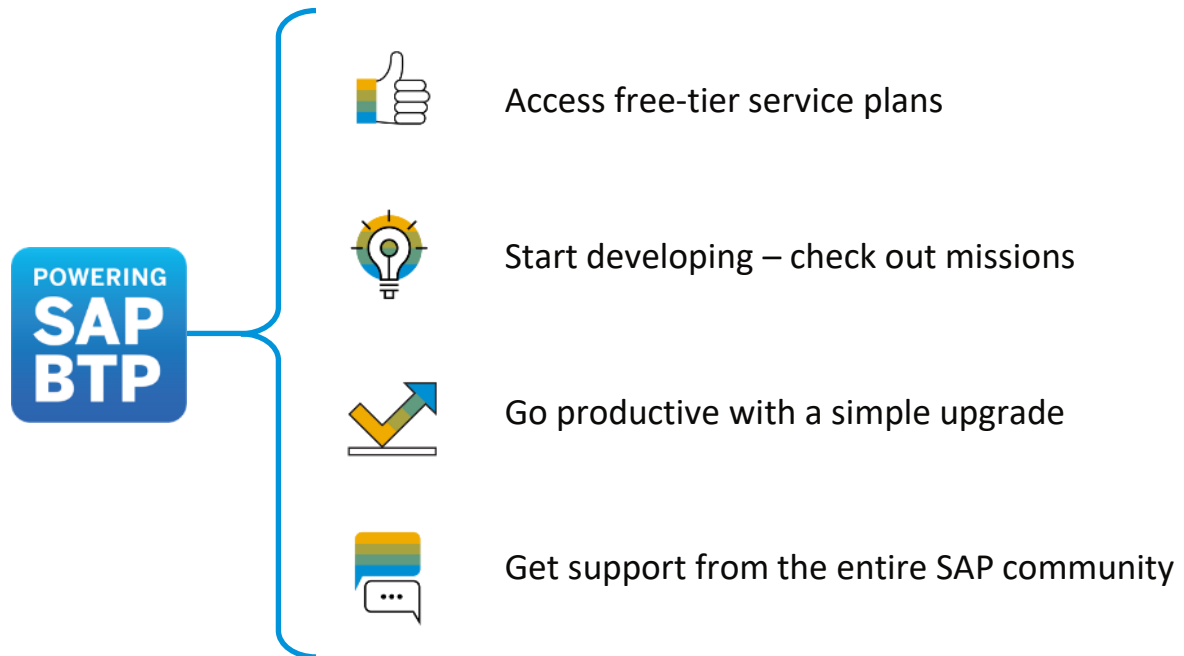
# Explore the SAP BTP Guidance Framework



<https://url.sap/3ifarc>

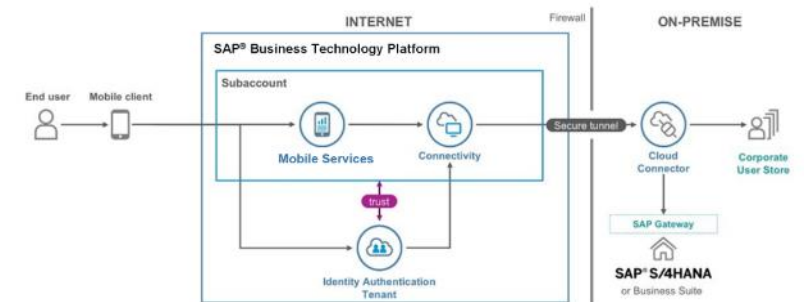
**Sign up** for a PAYG account\* and start today with our free tier service plans!

**Need ideas?** Check out the “Free Tier” missions on [SAP Discovery Center](#)



→ [Free tier services](#) → [Free tier missions](#) → [SAP Community for SAP BTP](#)

Empower field technicians by building native apps using SDKs



\* Existing CPEA & PAYG customers have access to free tier service plans

## Wrap up

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- SAP BTP can accelerate your business innovation and give you better business outcomes in 4 key ways:
  1. Prepare for cloud
  2. Implement a strong data foundation
  3. Innovate faster
  4. Reimagine future possibilities
- SAP BTP Guidance Framework is your compass for architecting, developing and operating solutions on SAP BTP
- SAP BTP Developer's Guide helps you to develop enterprise-grade solutions on SAP BTP





# Where to find more information

## SAP Discovery Center

- Realize the use cases as a mission
- Be inspired by [Customer Stories](#)
- Explore how to architect solutions
- Adapt the architecture
- Analyze cost with [estimator](#)
- Gain more insights into [Roadmaps](#) and [Service plans](#)



Scan this code or  
click [here](#) to learn more

## Learning

- Learn SAP for free, anytime, anywhere!
- Attend high quality [learning journeys](#) for all areas of SAP BTP. Content for all levels:
  - Beginner
  - Intermediate
  - Advanced
- Get [certified](#)!



Scan this code or  
click [here](#) to learn more

## SAP BTP Guidance Framework

- Central access point for architects, developers, and administrators
- Guidance how to build and run enterprise-grade solutions on SAP BTP, e.g.
  - Decision Guides
  - Methodologies
  - DevOps principles
- Includes [SAP BTP Developer's Guide](#)

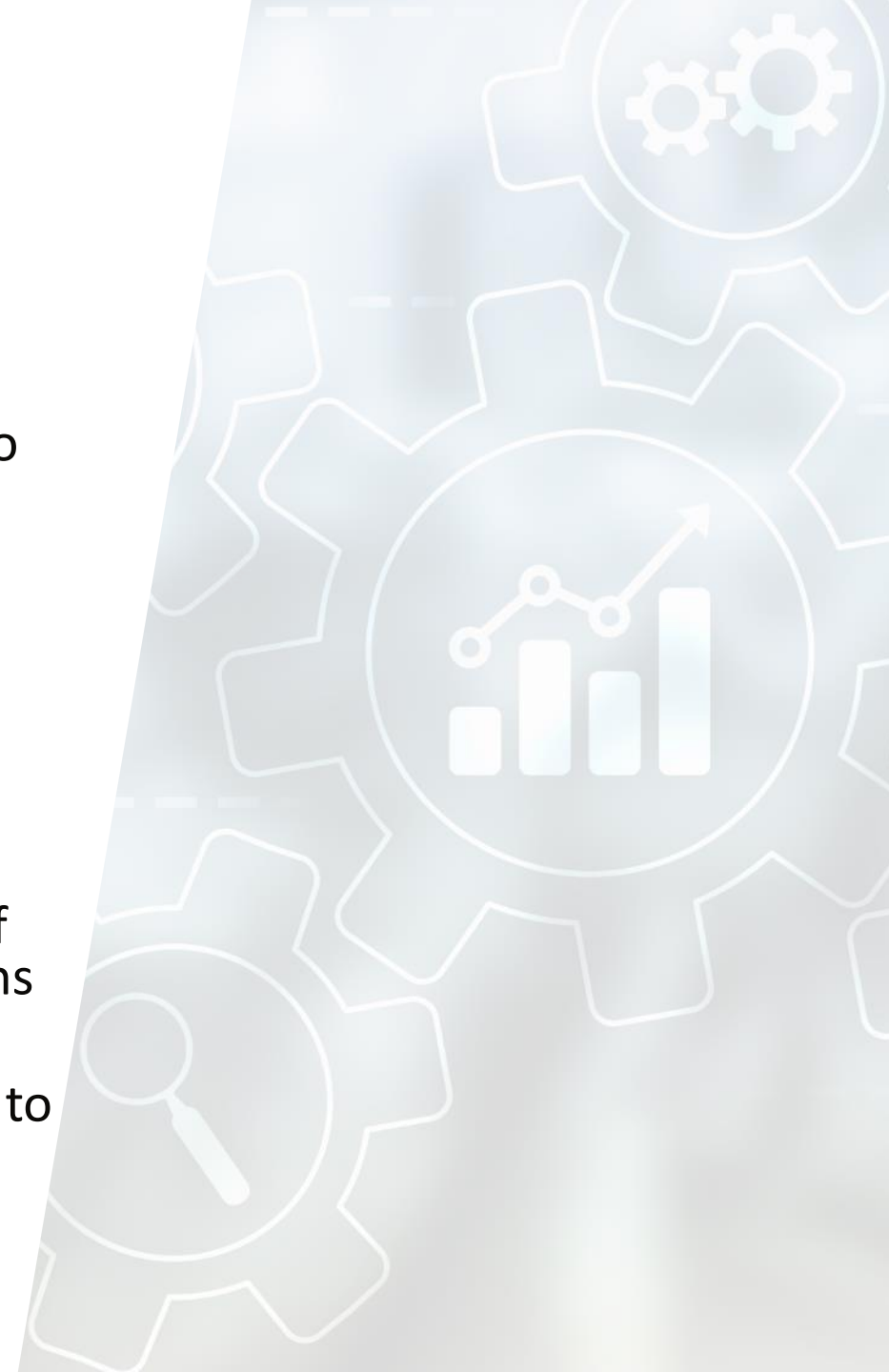


Scan this code or  
click [here](#) to learn more

# Key Points to Take Home

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- SAP Business Technology Platform (SAP BTP) is the foundation for a smoothly integrated SAP portfolio.
- SAP BTP is the platform for SAP, customers, and partners to innovate and transform.
- SAP BTP is an enabler for the development of Generative AI-powered business applications across SAP's ecosystem.
- The SAP BTP Guidance Framework is your compass for architecting, implementing, and operating solutions on SAP BTP.
- Reference architectures for SAP BTP offer a template solution for an architecture and describe the interaction of BTP services with each other and with business applications from SAP, partners or third party.
- 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.



# Thank you! Questions?

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Please remember to complete  
your session evaluation.



# SAPinsider



## SAPinsider.org

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