



Navigating Your Path to Success with SAP BTP

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SAPinsider
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In This Session

- Understand the value of cloud
- Learn how SAP BTP facilitates ERP Core and line of business applications.
- Explore the platform's capabilities
- Understand the developer guidelines, best practices, and coding techniques to create robust and scalable solutions.

What We'll Cover

- The value of SAP BTP in the cloud
- SAP BTP Overview and key capabilities
 - AppDev
 - Integration
 - AI
- Developer Guidance and Reference Architectures
- How get started



Navigating Your Path to Success with SAP BTP

- SAP Business Technology Platform
- Value and Overview
- Application Development
- Integration
- AI
- Developer Guide & Reference Architectures
- How to get started





Accelerate Time to Value



Operational Excellence

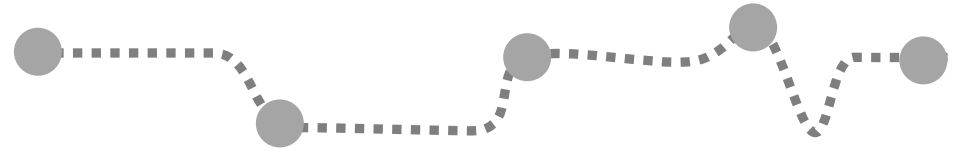


Accelerate Time to Value

processes



Recruit to retire
Source to pay
Design to operate
Lead to cash



Operational Excellence

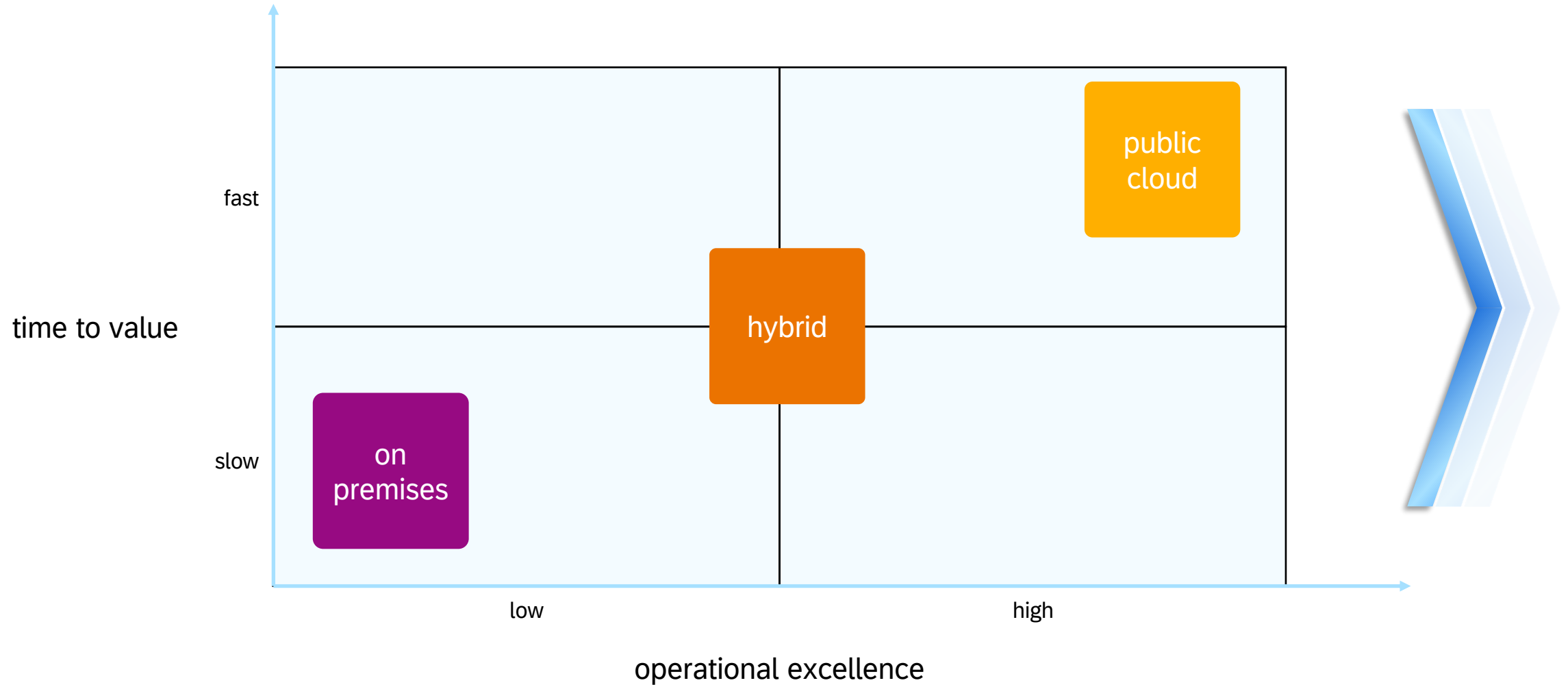
landscape



code
integration
data
plan & analyze



Transformation Value Matrix





Cloud Technologies!



SAP BTP: The Foundation of SAP's Cloud Strategy

Business Technology **Platform**

Access, combine, and embed any technology across and for business processes.

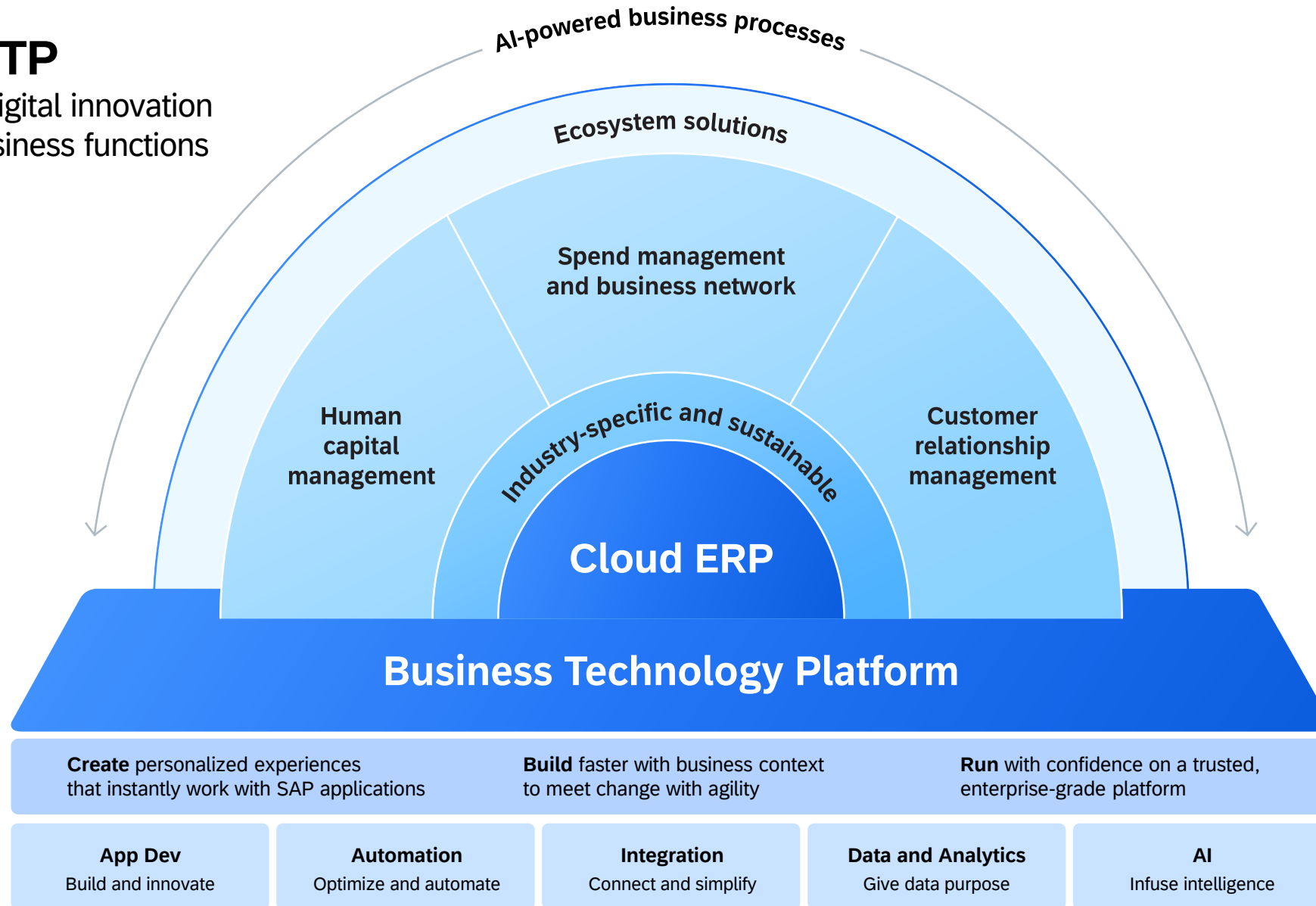
Cloud **Core**

Powerful business solutions in the cloud.

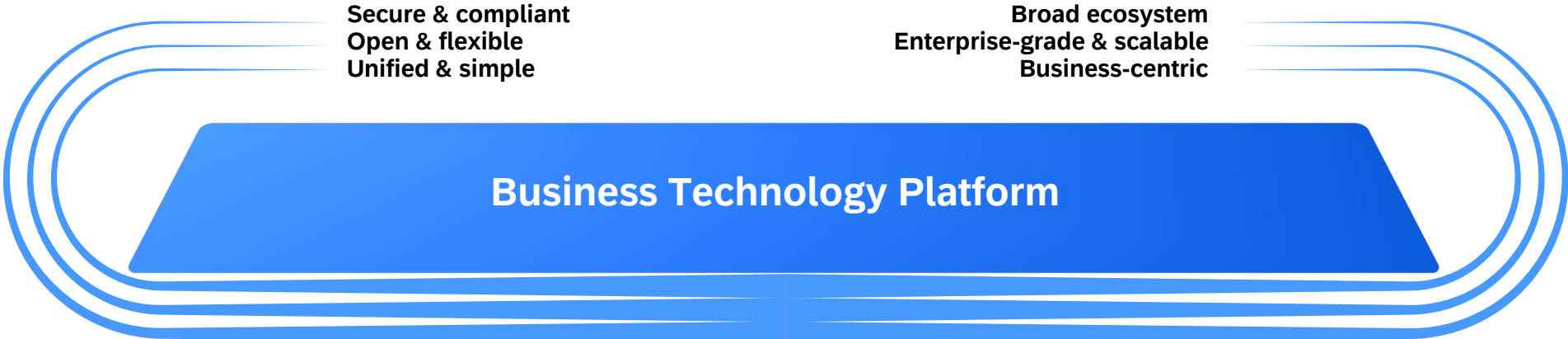


SAP BTP

Unleash digital innovation
across business functions




SAP BTP Cloud Capabilities




App Dev	Automation	Integration	Data and Analytics	AI
→ Visual Low-Code / No-Code experience	→ Workflow Management	→ Process integration	→ Analytics & planning	→ Pre-trained AI models
→ Pro-code tooling	→ Robotic Process Automation	→ API-led integration	→ Data management	→ Responsible AI
→ Digital experience	→ Process monitoring & analytics	→ Event-driven integration	→ Operational database	→ AI model lifecycle management
→ DevOps	→ Automated document processing	→ B2B integration	→ Data warehouse & data lake	→ AI-infused SAP Applications (incl. Generative AI)
		→ Data integration		

Demo: SAP BTP Service Catalog

Log On

[Home](#) / [Services](#)



Services


Integrate and extend your solutions, optimize your business processes, and create an engaging digital experience using SAP Business Technology Platform services.

[Service Catalog](#) [Learn More](#)

Optimize your business processes, and create an engaging digital experience using SAP Business Technology Platform services.


Commercial Model: All - 5Provider: All - 5Regions: All - 25 xReset

All Services (90)Sort By: A - Z

**ABAP environment**


Develop ABAP Cloud apps and extensions, leveraging innovations of SAP HANA.

[Free Tier](#)


**Advanced Event Mesh**

Use an event-streaming and management platform for the real-time enterprise.

[NEW](#)


**Agent Activation for Dynatrace Service**

Connect your Java applications to a Dynatrace SaaS monitoring environment.

**Agentry**


Develop and run Agentry metadata-driven mobile applications.

[Always Free](#)

**Alert Notification**


Create and receive real-time alerts about your services.

[Free Tier](#)


**Application Autoscaler**

Automatically scale your applications to meet their dynamic resource needs.

[Always Free](#)


**Application Logging Service**

Create, store, access and analyze application logs.


**Audit Log Service**

Write, store, and retrieve audit data for your subaccount and global account.


[NEW](#)

**Authorization and Trust Management Service**


Manage application authorizations

**Automation Pilot**

Simplify the operational effort behind any cloud solution in the

**Bandwidth**

Data transfer rate to a subscribed user

**Business Application Studio**

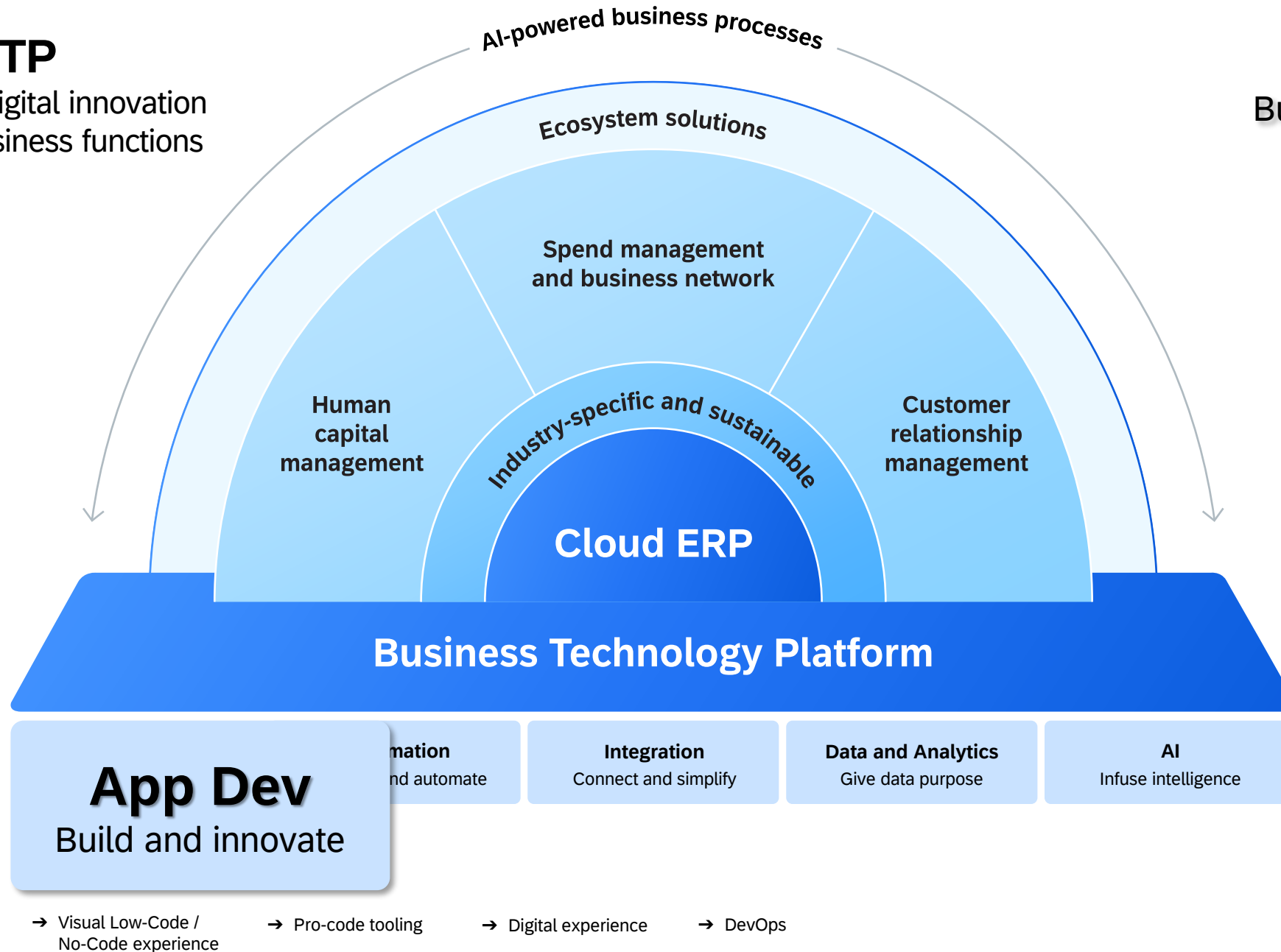
Develop, debug, test, and deploy SAP business applications

[FEATURED](#)

SAP BTP

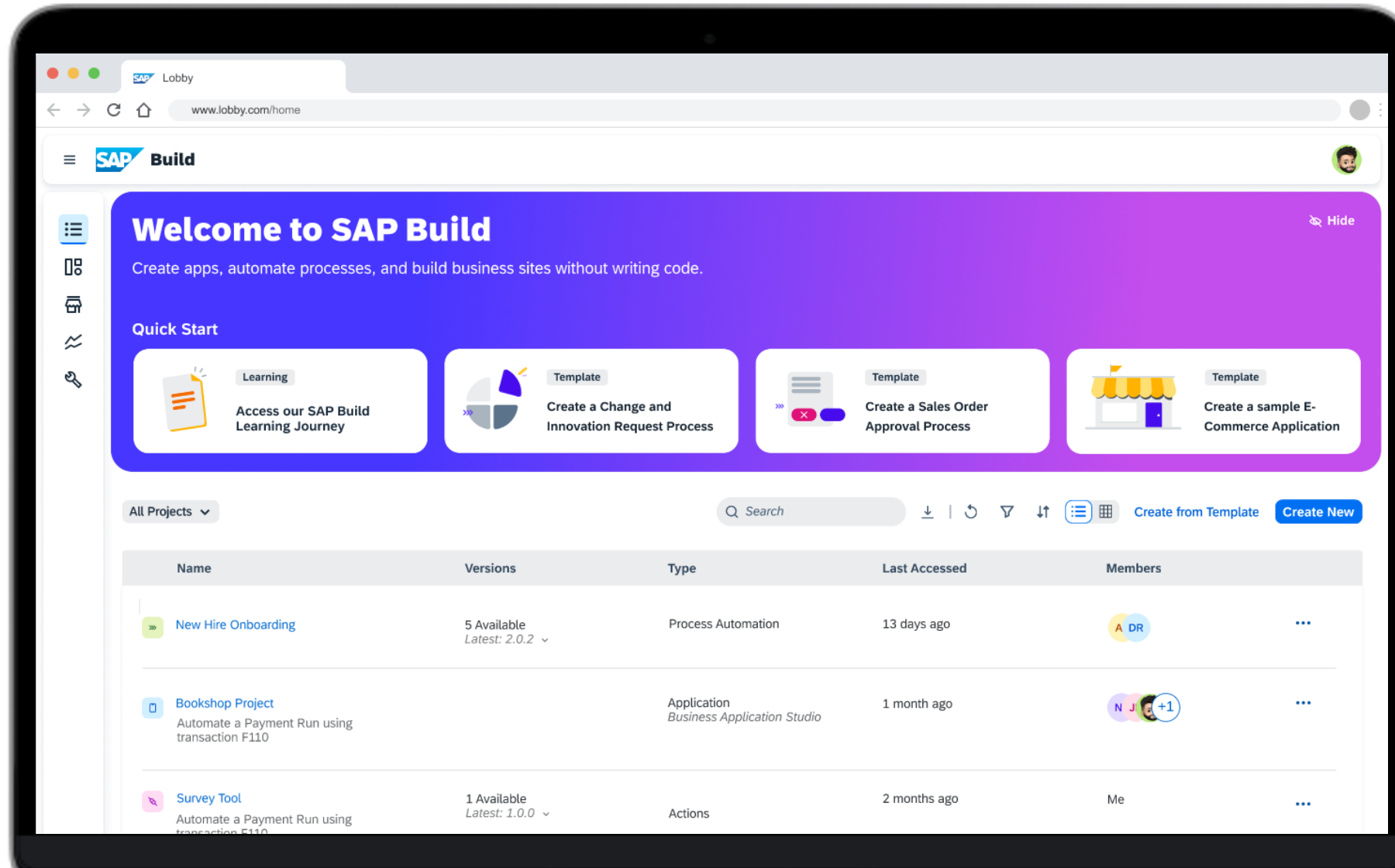
Unleash digital innovation
across business functions

App Dev
Build and innovate



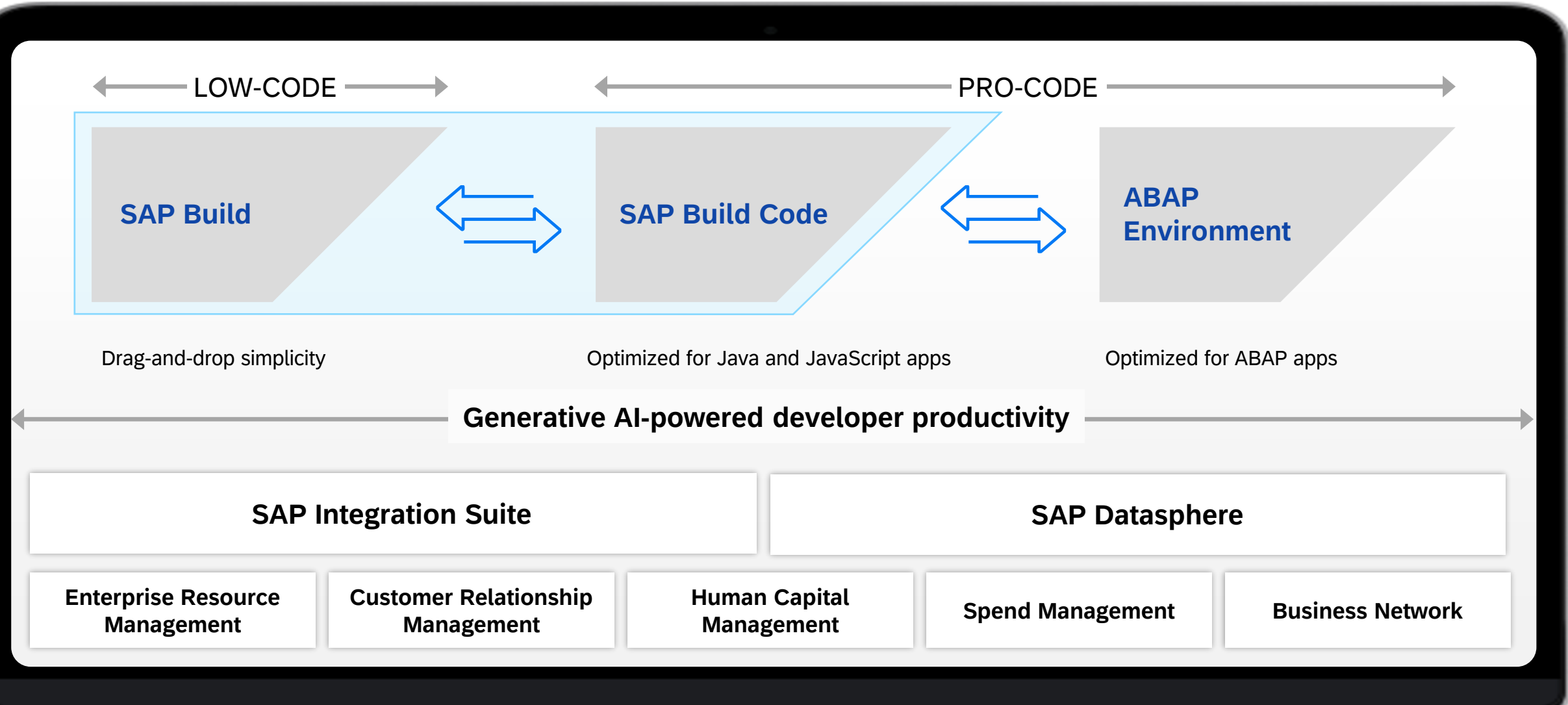
SAP Build Lobby facilitates fusion development

- One entry point for all business users and developers building on SAP BTP



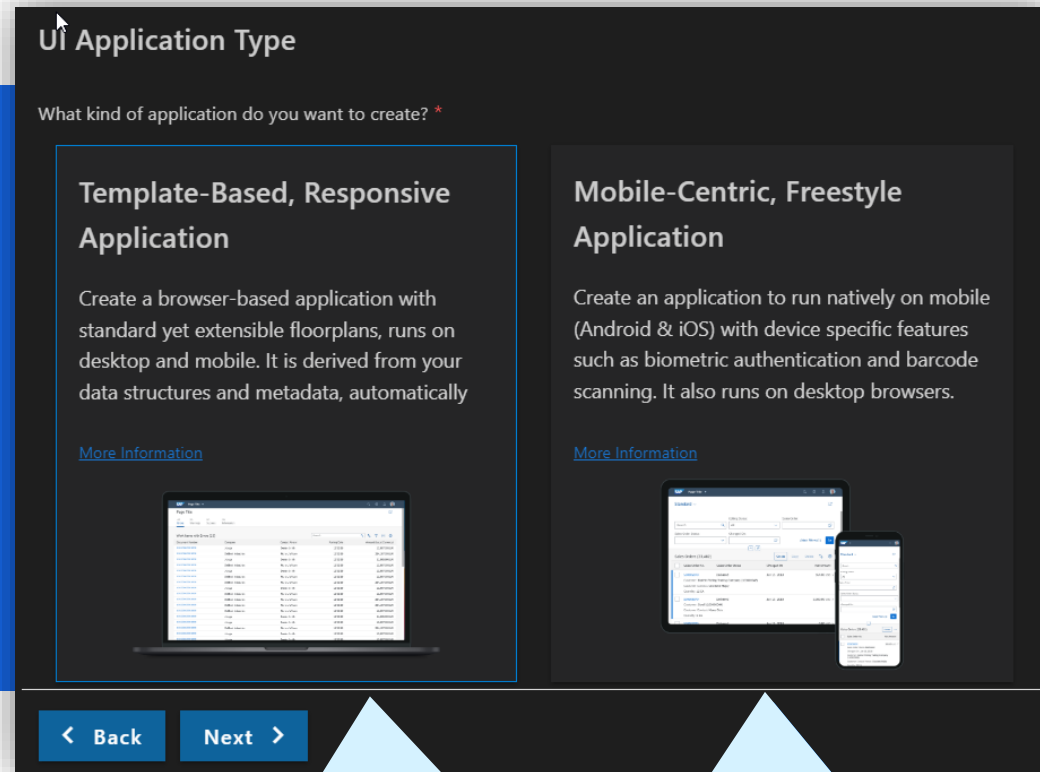
Application development and automation on SAP BTP

Integrated solutions enabled by generative AI



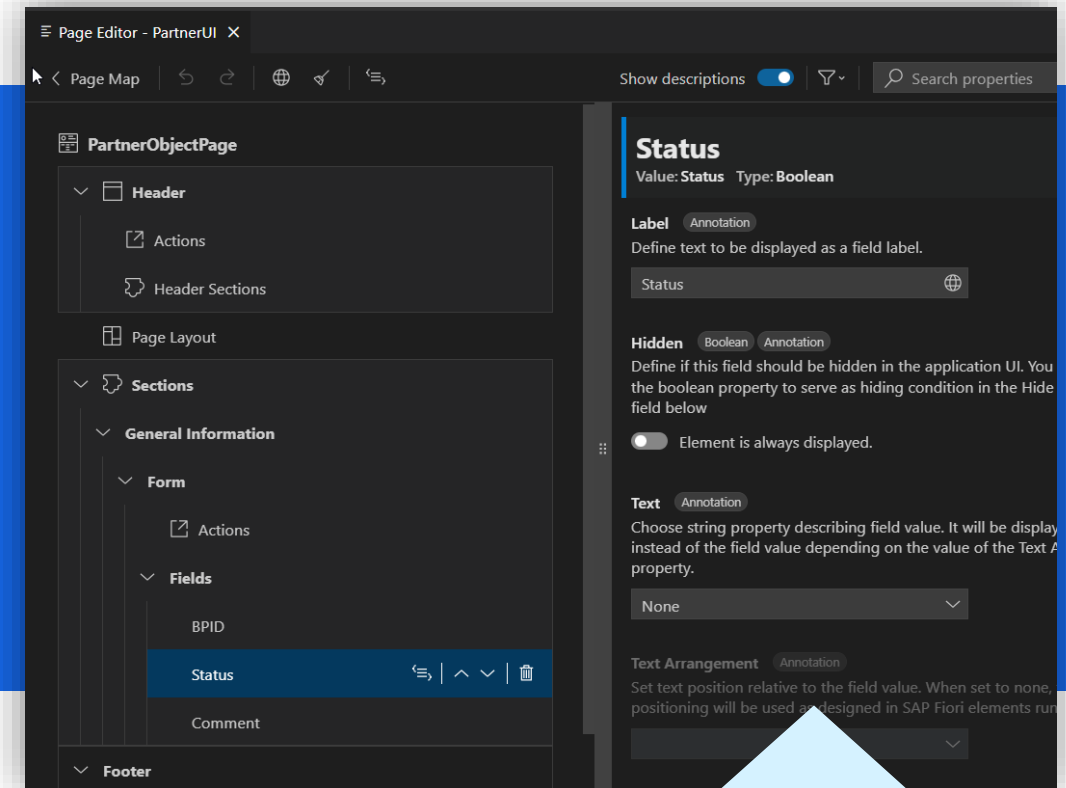
High productivity environment for developers

- Choice of UI types for web and mobile: SAP Fiori elements and Mobile Development Kit



Fiori elements apps
responsive, works on all devices
but optimized for Desktop

MDK apps
responsive, works on all devices
but optimized for Mobile



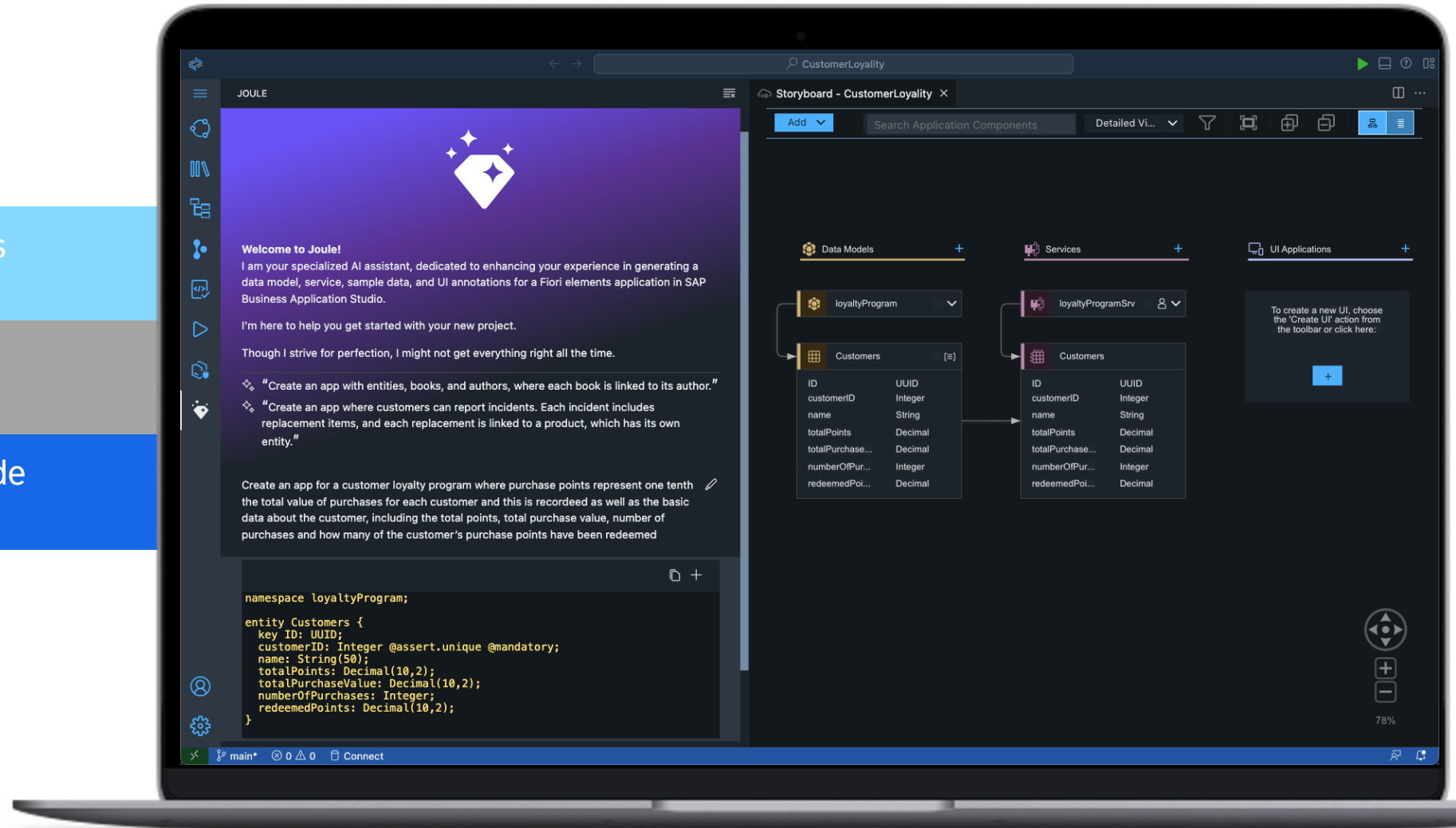
Page Map for SAP Fiori elements apps
no manual writing of annotations, lots of
configs e.g. for creating value helps

Turbocharging application development with generative AI

AI co-pilot Joule auto-generates app logic and data models*

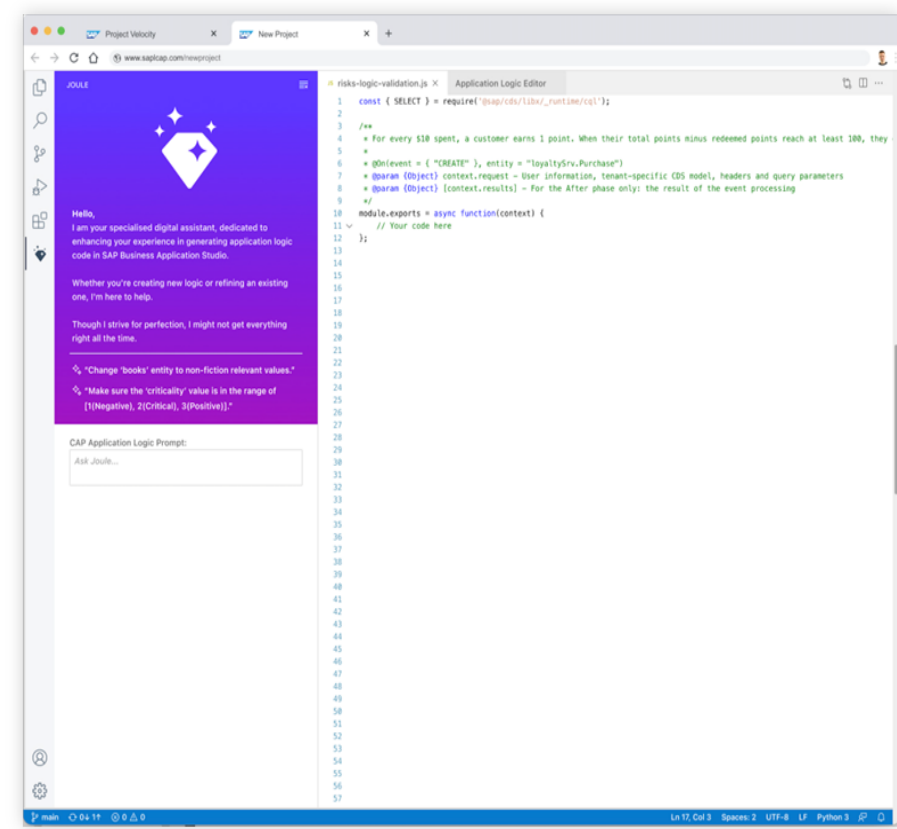
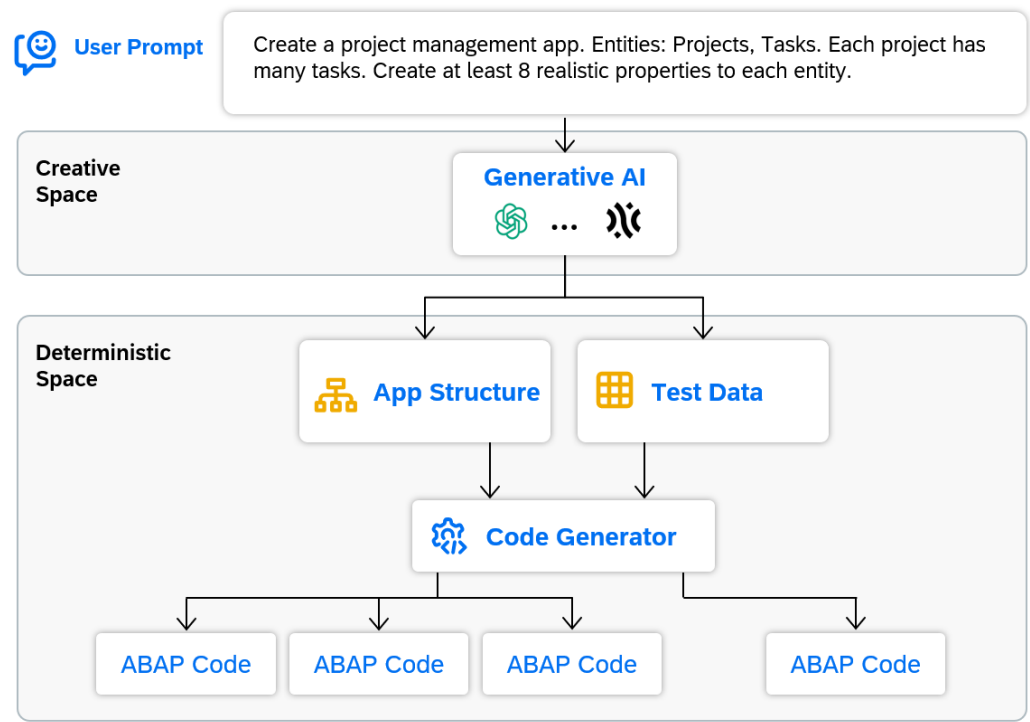
Automated generative AI unit test coverage

Contextual application logic code generation based on prompts



*Joule is only available when SAP Build Code is used with SAP Business Application Studio

AI based Code Generation for SAP BTP, ABAP environment & CAP Applications



Simplified and guided development

- Turn-key development environment with built-in runtime, design time, DevOps and lifecycle management



1

Guided development to quickly build SAP Fiori, mobile, and full stack applications

2

Built-in guidance and SAP best practices for developers to create enterprise-grade applications

3

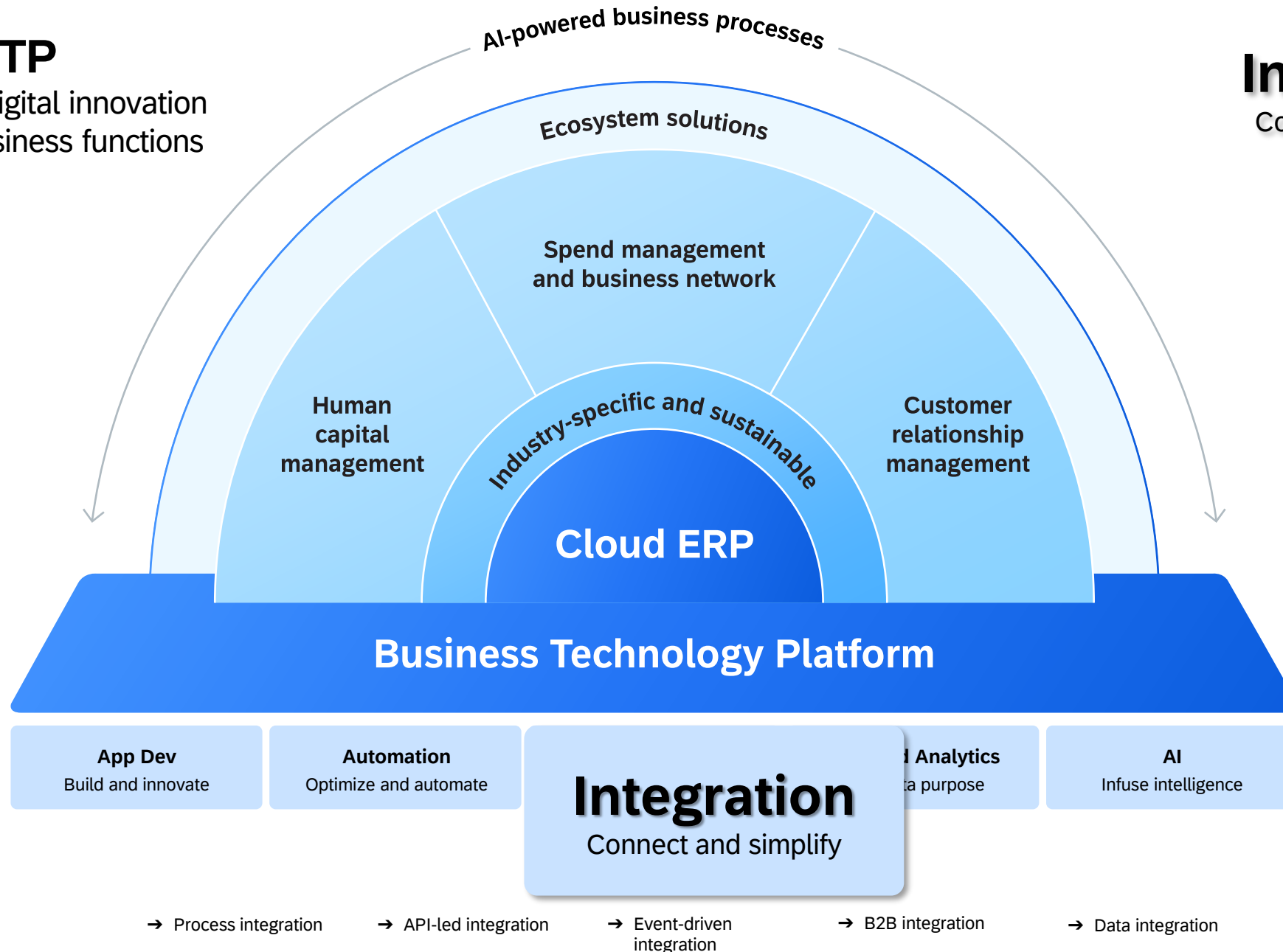
Use visual tools or a programming language of choice – JavaScript, Typescript, Java and more

SAP BTP

Unleash digital innovation
across business functions

Integration

Connect and simplify



→ Process integration

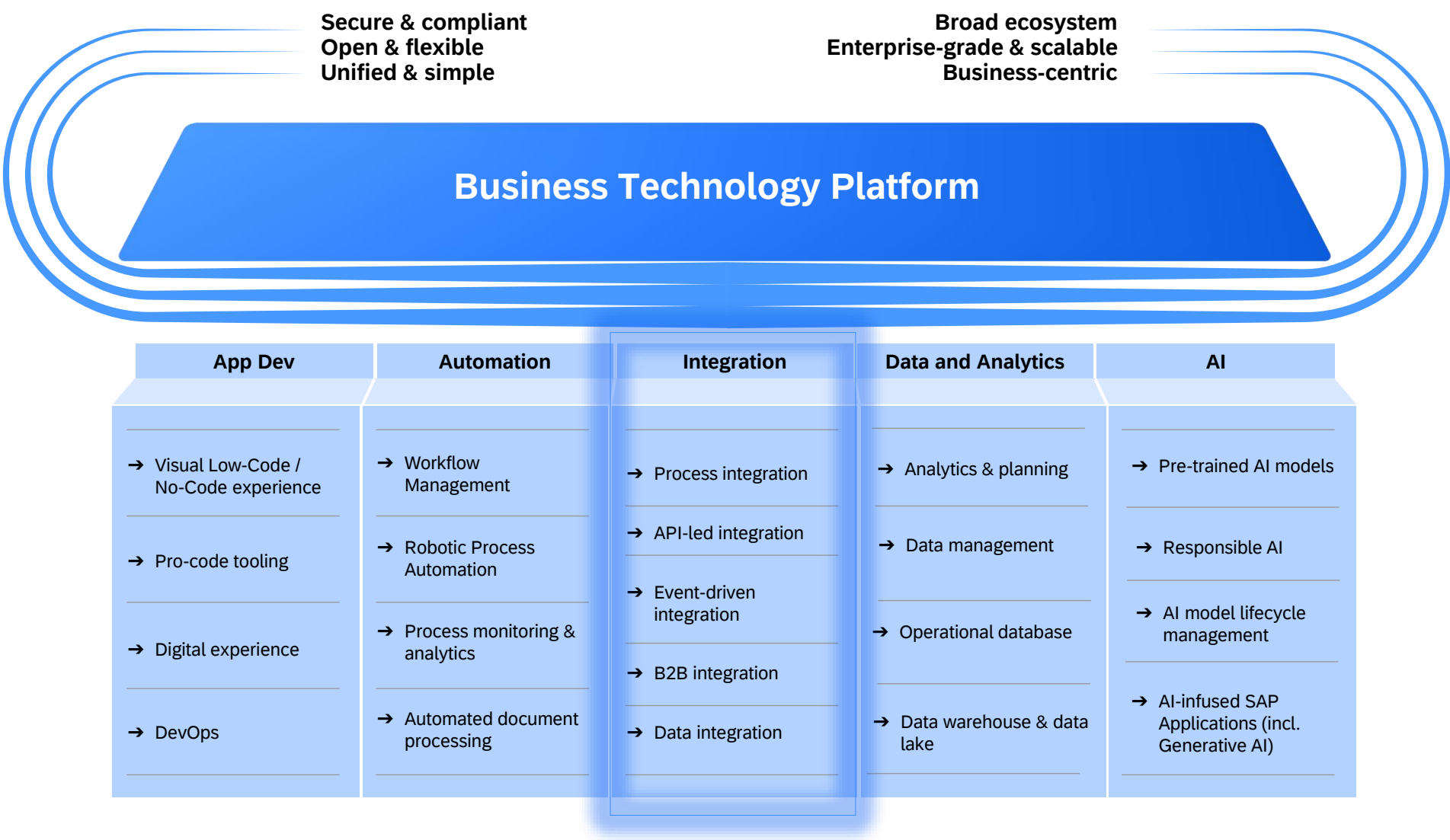
→ API-led integration

→ Event-driven
integration

→ B2B integration

→ Data integration

SAP BTP Cloud Capabilities



SAP Integration Suite

SAP's hybrid integration platform for the Intelligent Enterprise



Integrate everything
to accelerate innovation

Connectors for 250+ systems



Accelerate connectivity
for faster time-to-value

3K+ pre-built integrations

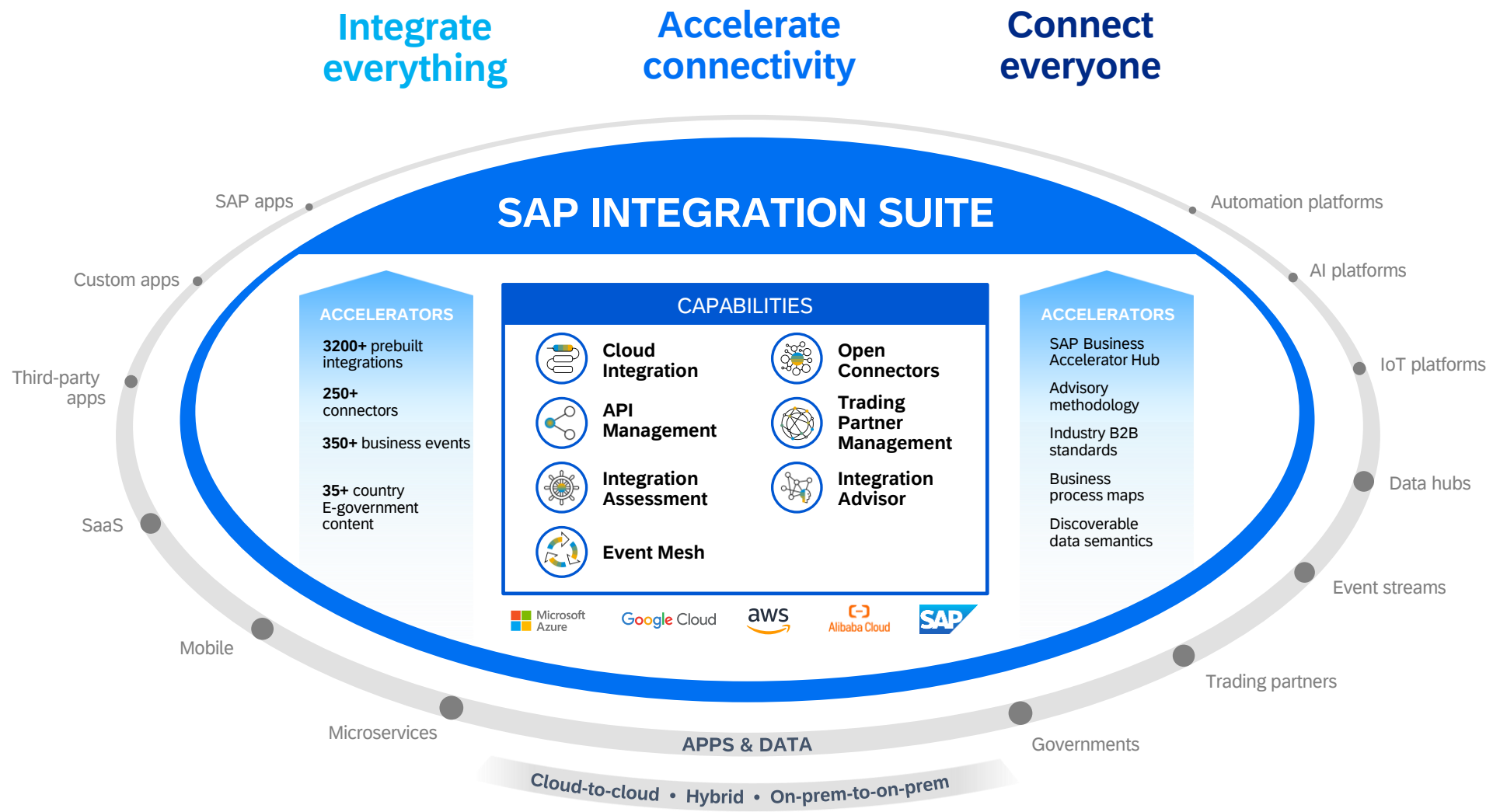


Connect everyone
with automated processes


19K+ integration customers



SAP Integration Suite


SAP's hybrid integration platform for the Intelligent Enterprise



Demo: SAP Integration Suite

 **SAP Discovery Center**

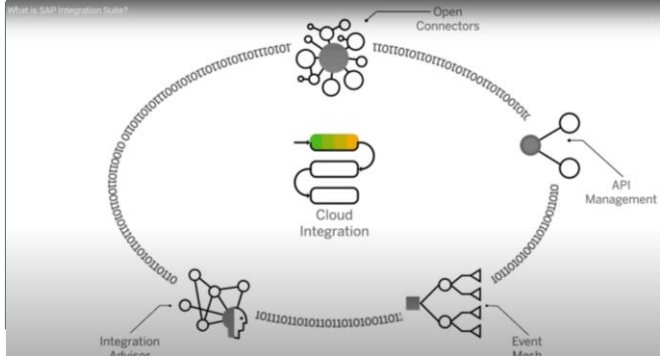
 Home /  Services ▾ /

 **SAP Integration Suite**
Simplify and accelerate enterprise integration.
Free Tier

[Overview](#) [Pricing](#) [Related Missions](#) [Roadmap](#) [Customer Stories](#)

Features

SAP Integration Suite connects and contextualizes processes and data while enabling new content-rich applications to be assembled faster with less dependence on IT. Pre-built integration packs along with existing investments can be composed to deliver new outcomes with less involvement by integration experts.







About SAP Integration Suite

Build Integration Scenarios
Discover, design, and operate scenarios for end-to-end process integration with Cloud Integration.





Manage APIs
Discover, design, and govern application programming interfaces (APIs) for API consumers with API Management incl. Graph.

Extend Non-SAP Connectivity
Connect to non-SAP cloud applications from your integration scenarios with Open Connectors.

Tools










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

Integration Content

-  [API Management](#)
-  [EDI Integration Templates for SAP Integration Advisor](#)
-  [Open Connectors - Database](#)
-  [Cloud Integration OData API](#)

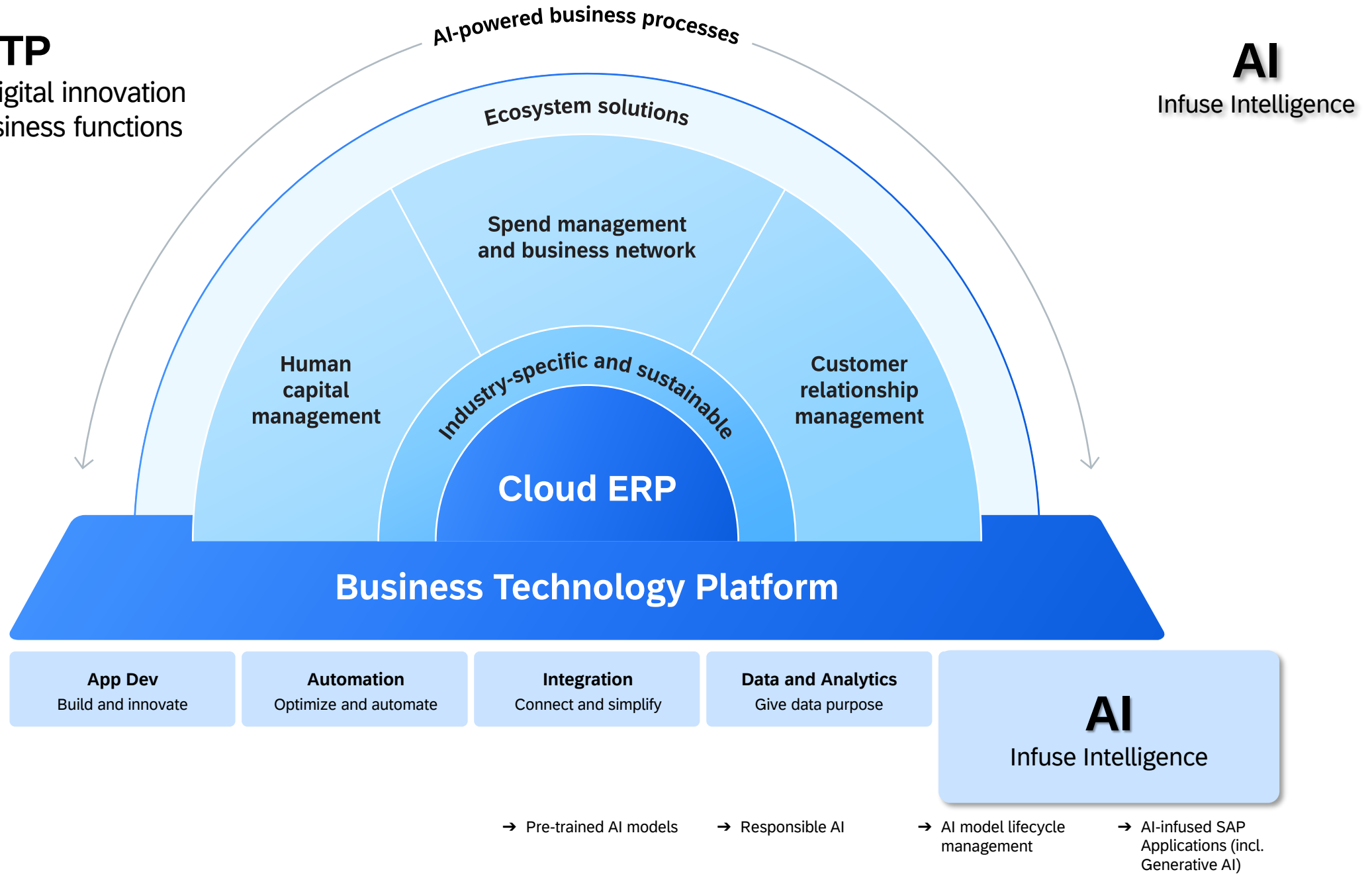
[Show All](#)

Resources

-  [Help Portal Product Page](#)
-  [What is SAP Integration Suite](#)
-  [Feature Scope Description](#)
-  [What's New](#)
-  [Initial Setup](#)
-  [API Documentation](#)
-  [Integration Suite Digital Edition Estimator](#)
-  [Integration Maturity Assessment](#)
-  [Integration Flow Design Guidelines](#)

SAP BTP

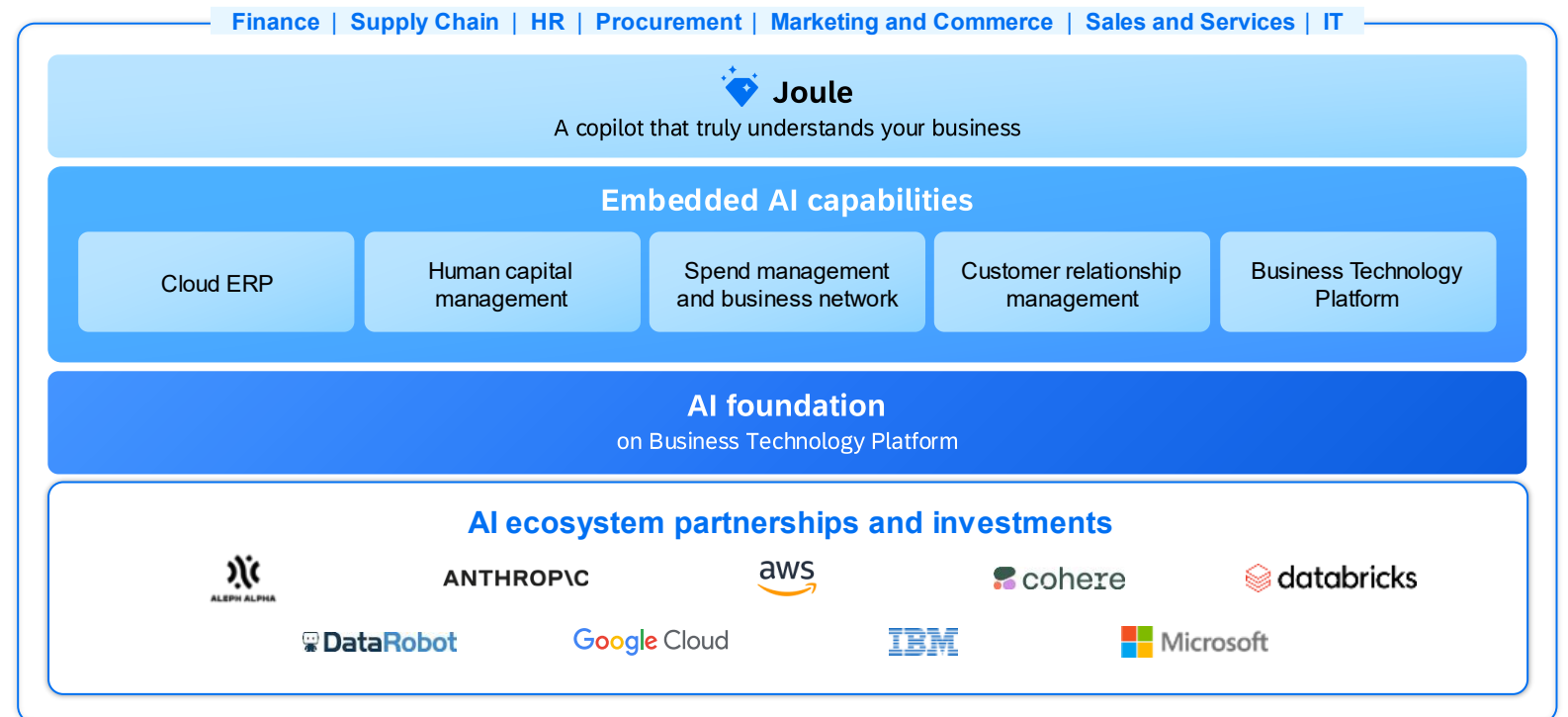
Unleash digital innovation
across business functions



SAP Business AI approach

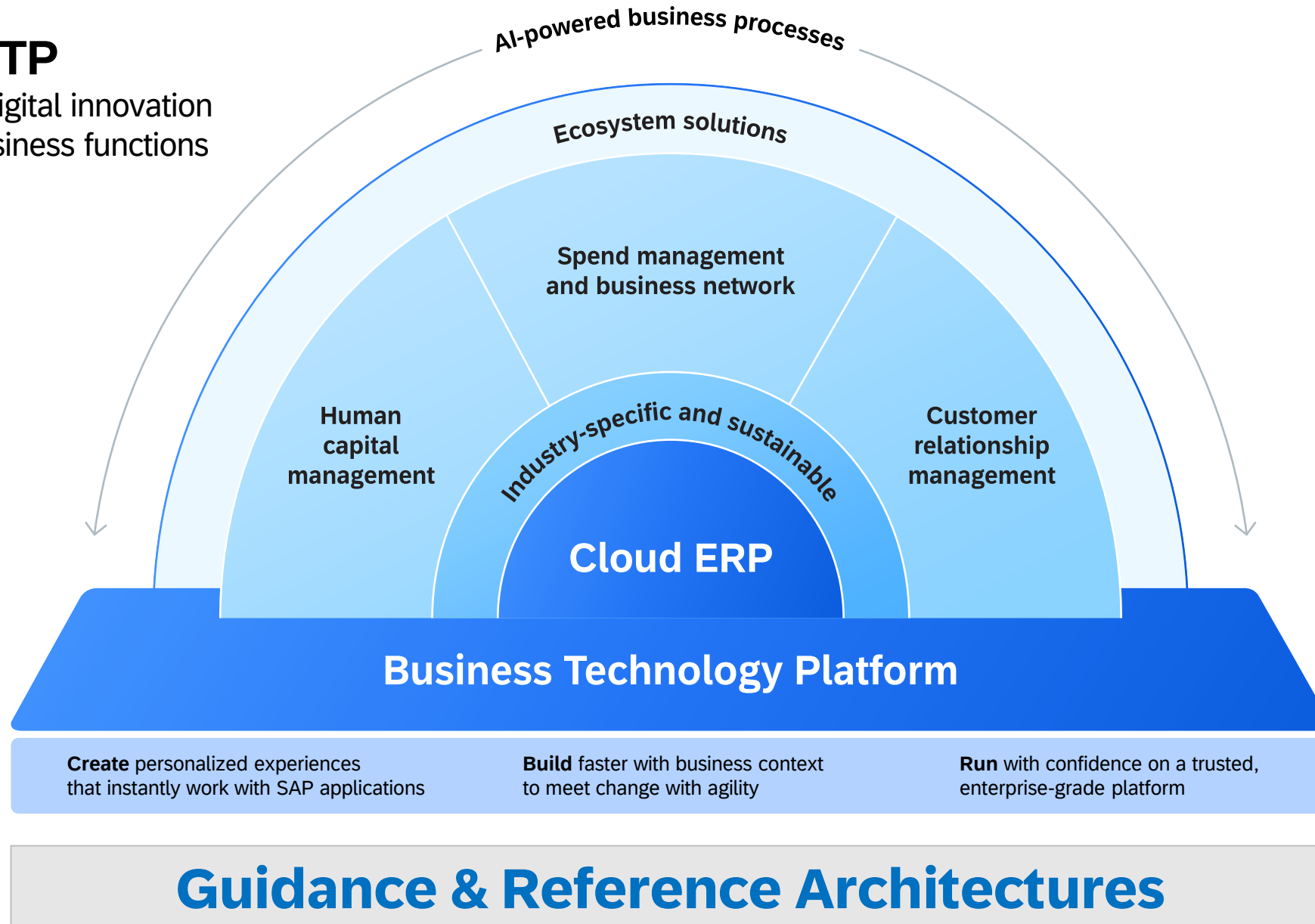
AI foundation on SAP BT

SAP BTP as the enabler for the development of Generative AI-powered business applications across our ecosystem.

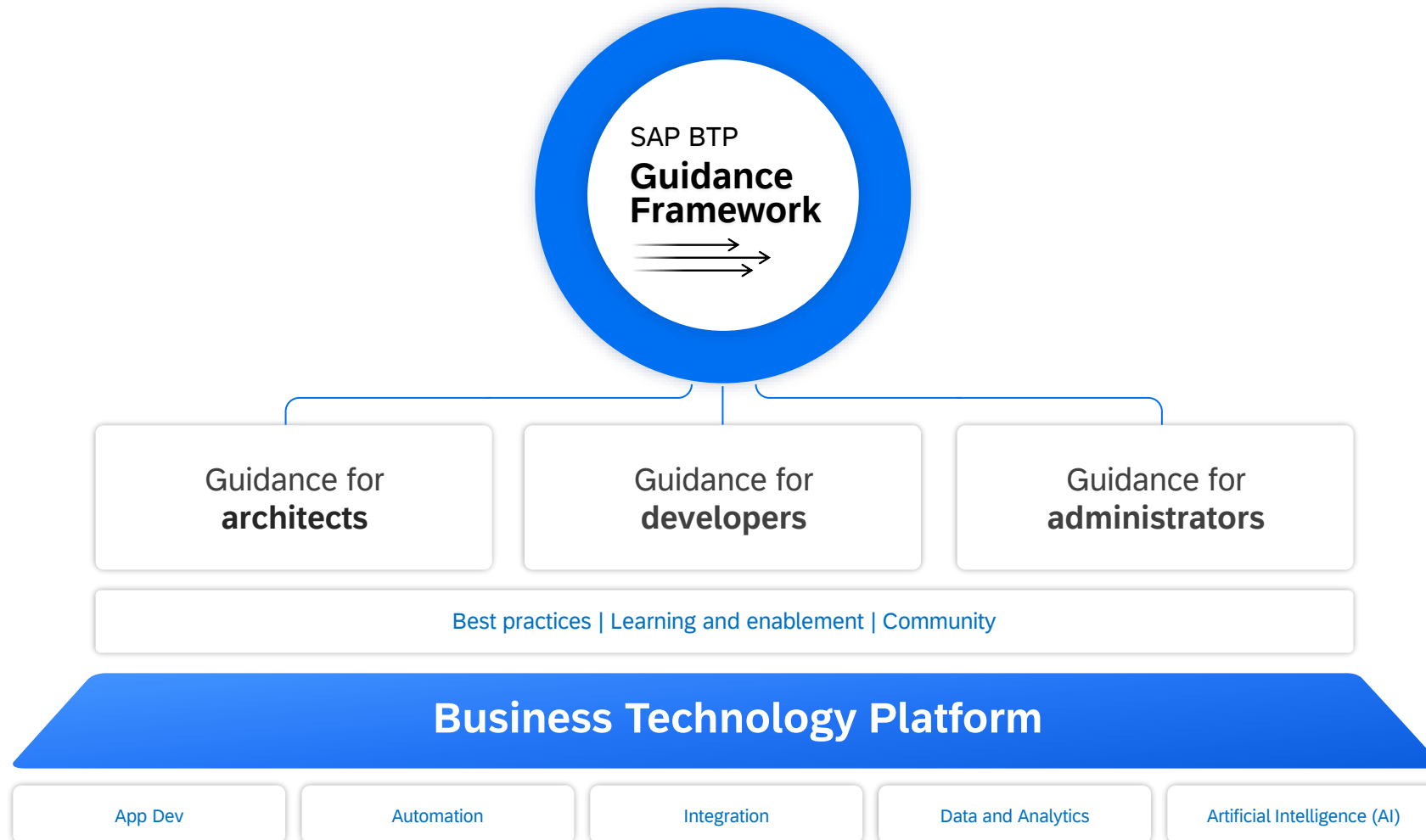


SAP BTP

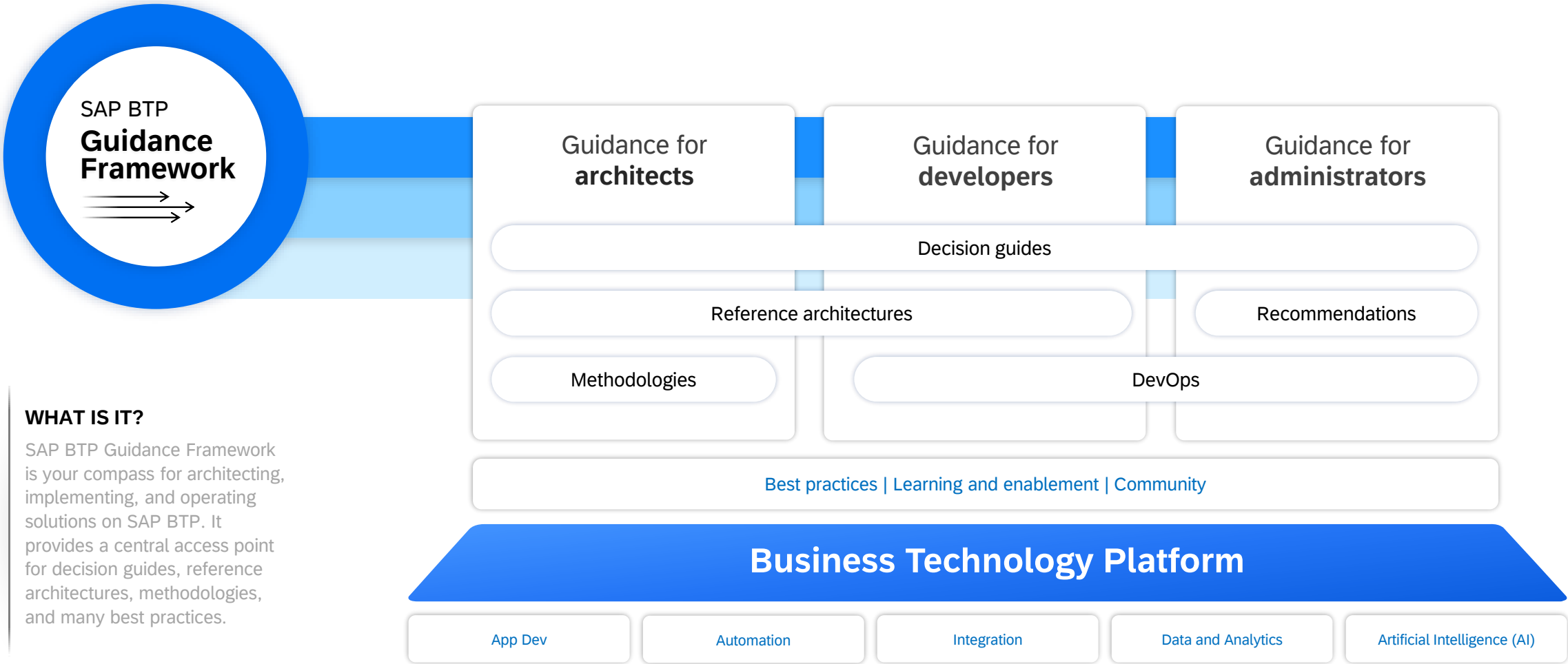
Unleash digital innovation
across business functions



SAP BTP Guidance Framework



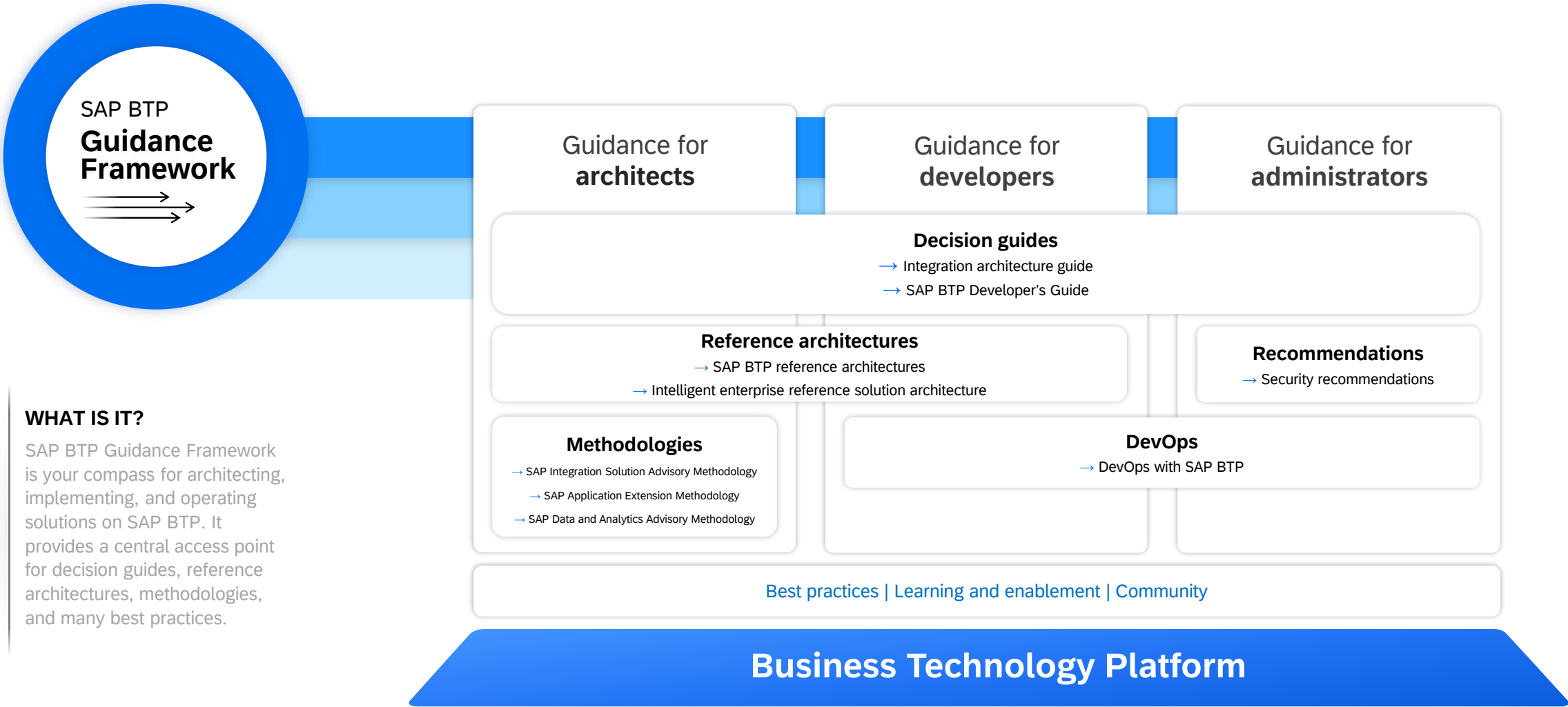
SAP BTP Guidance Framework



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



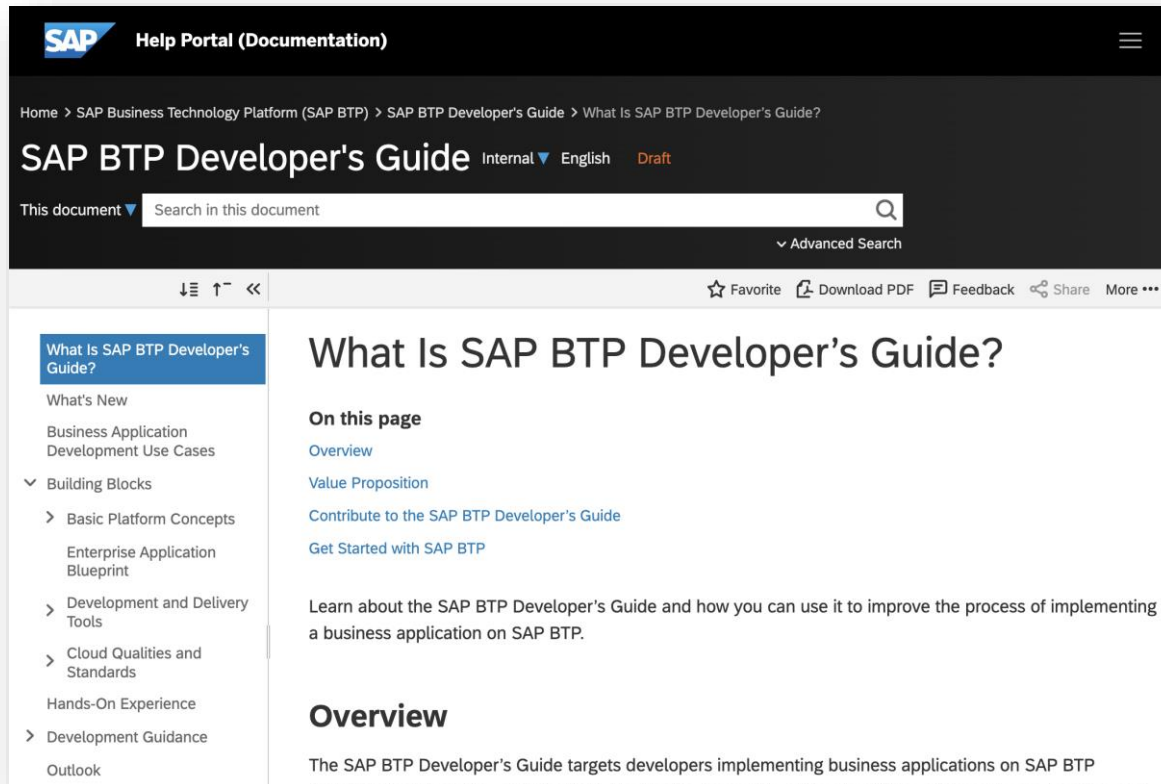
WHAT IS IT?

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 Developer's Guide



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

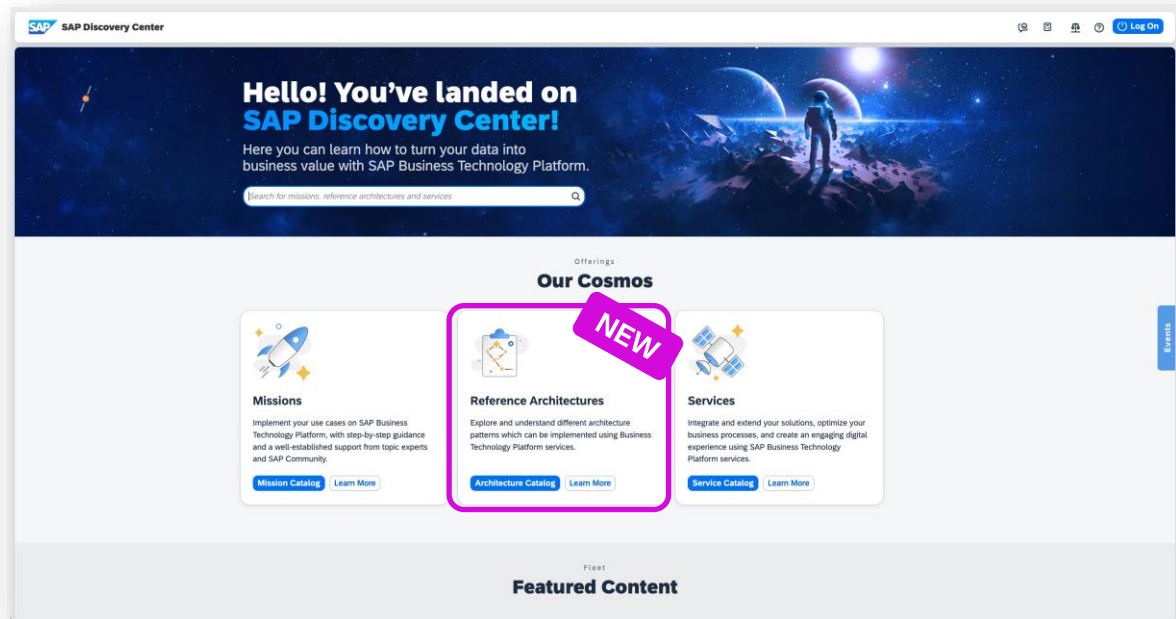


The SAP BTP Developer's Guide offers developer guidance to software developers on how to implement business applications as an integrated part of SAP software on SAP BTP.

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 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
- Guiding information
- Related services and missions

Demo: SAP BTP Reference Architectures

 **SAP Discovery Center**

 Home /  Reference Architectures ▾



Reference Architectures

Architects shall be able to explore and understand different architecture patterns which can be implemented using BTP services.

Categories : All ▾ Services : All x ▾


Reference Architectures

Explore and understand different architecture patterns which can be implemented using Business Technology Platform services.

[Architecture Catalog](#) [Learn More](#)


API Managed Integration

API-managed integration allows you to provide omni-channel and secure access to business applications that can also hide the complexity of underlying heterogeneous landscapes.

Integration 


Application to Application Integration

With the help of application-to-application (A2A) integration you can exchange transactional data along internal company processes by connecting involved business applications in a (near-) real-time fashion.

Integration 


Business to Business Integration

With the help of the business-to-business (B2B) integration you can electronically exchange business documents with other organizations.

Integration 


Business to Government Integration

In many countries or regions organizations need to comply with local requirements mandating the submission of electronic documents such as invoices, summaries, or transport registrations, and statutory reports to external communication parties.

Integration 


Federated Machine Learning

The SAP Federated ML Python libraries (FedML) applies the Data Federation architecture of SAP Datasphere for intelligently sourcing SAP as well as non-SAP data for Machine Learning experiments done at the Hyperscalers thereby removing the need for...

Data & Analytics 


Google & SAP Datasphere Integration

Combine the data processing and analytical capabilities of the SAP Business Technology Platform based on SAP Datasphere and SAP Analytics Cloud with database, storage and AI capabilities of Google Cloud.

Hyperscaler 


Master Data Integration


With the help of master data integration, you can share replicate master data objects across connected business applications.

Integration 

Retrieval Augmented Generation with GenAI on SAP BTP

Implement Retrieval-Augmented Generation (RAG) use cases on SAP BTP using SAP Cloud Application Programming (CAP) model. The architecture offers best practices for building multi-tenant applications and vector encoding using CAP and SAP HANA Cloud.

Hyperscaler 

 SAPinsider

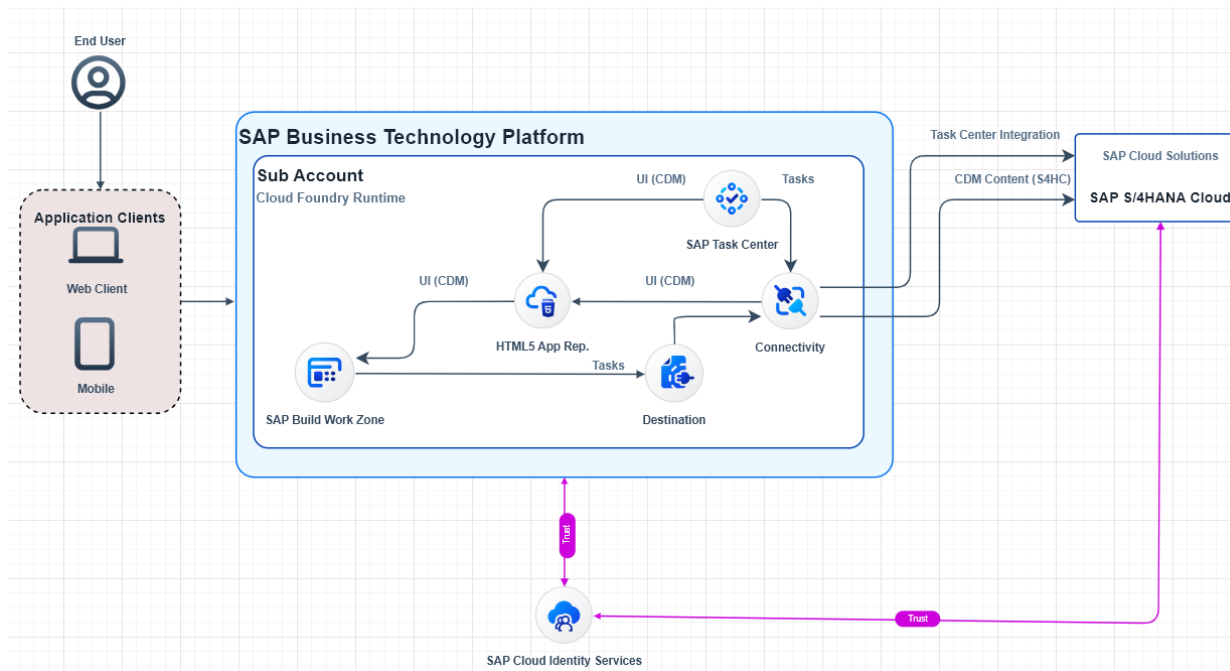
New SAP BTP Solution Diagram Design

Refreshed experience of SAP BTP solution diagrams based on new Horizon theming

Updated SAP BTP solution diagram includes

- Comprehensive library of SAP BTP and generic SAP icons as open source
- Updated SAP BTP solution diagram guideline
- Support of draw.io as diagramming tool, including libraries

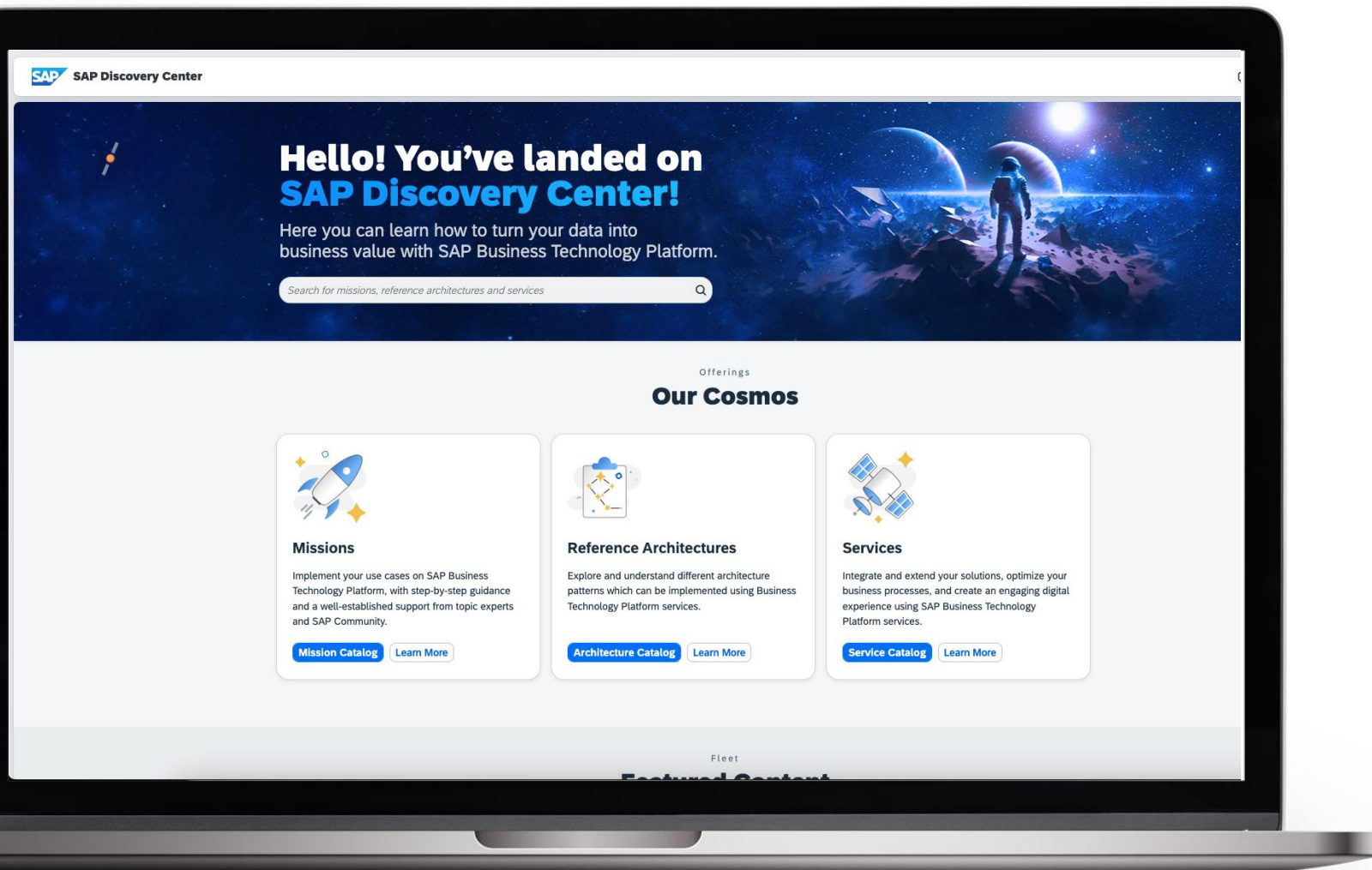
Reference architecture diagrams will follow this new design guideline



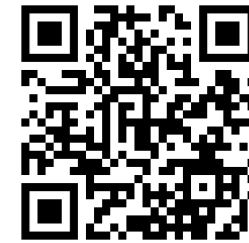
→ SAP TechEd Session ID XP286v – [SAP Business Technology Platform Solution Diagrams](#)



SAP Discovery Center

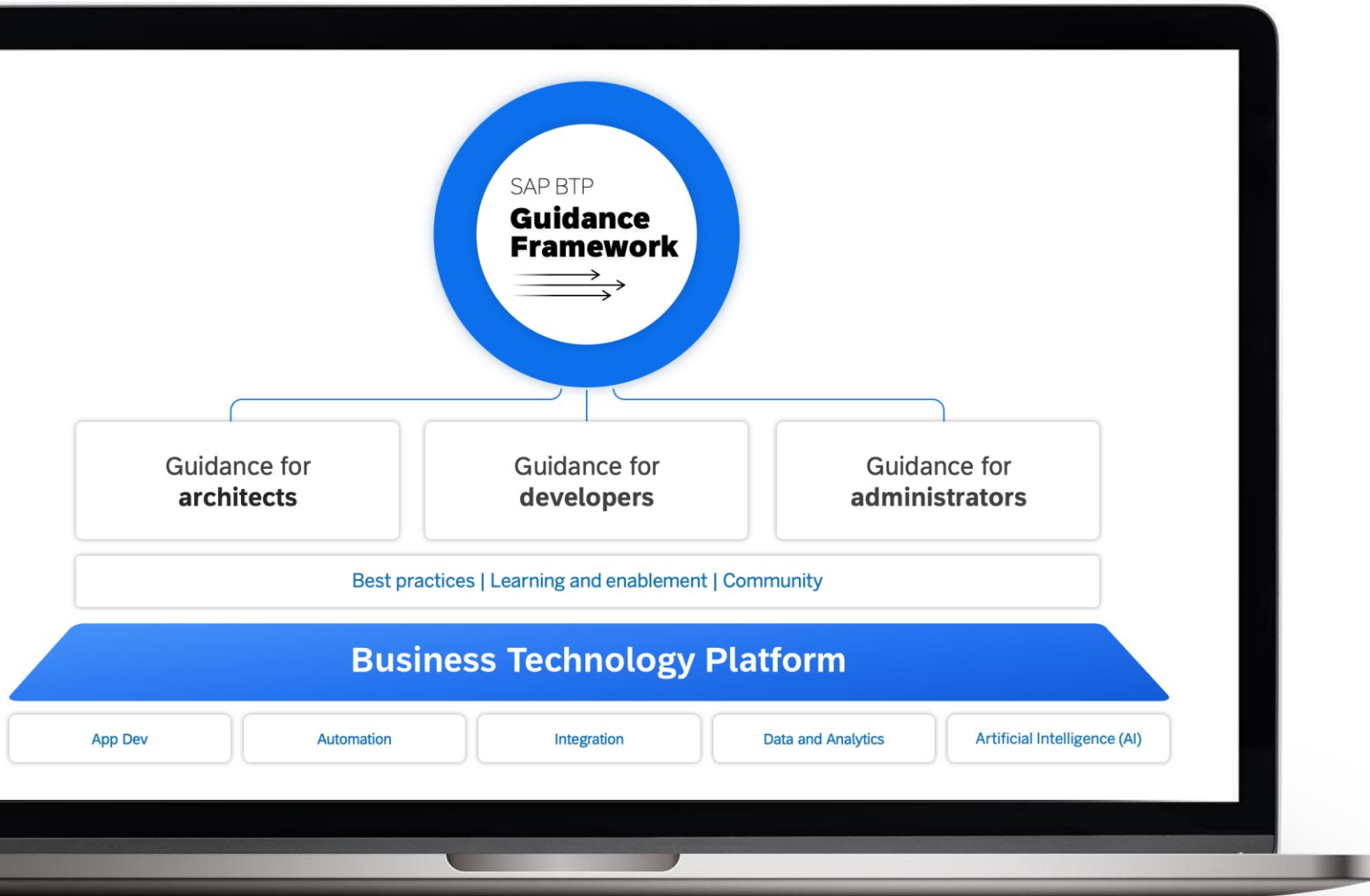


SAP Discovery Center



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

SAP BTP Guidance Framework



SAP BTP Guidance Framework



- 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.

SAP BTP services certifications and attestations

- **SAP BTP runs in secure and certified environments**
 - World-class data centers
 - Advanced network security
 - Reliable data backup
- **SAP BTP services attestations and certifications can be found under the naming in the SAP Trust Center**
- **For more details:**
 - [SAP Data Center](#)
 - [SAP Cloud Trust Center](#)
 - [Service level agreement for SAP Cloud Services*](#)

- **Certifications & Attestations**

- ISO27001, ISO27017, ISO27018
- ISO22301
- SOC1 (ISAE3402), SOC2 (ISAE3000)
- C5 (ISAE3000)
- CSA STAR Level 2
- TISAX
- EU Cloud Code of Conduct
- HDS
- ISMAP
- KRITIS
- FedRAMP/ITAR



* Please also refer to the respective [product supplements](#)

Want to Try out SAP BTP?

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](#)

POWERING
**SAP
BTP**



Access free-tier service plans



Start developing – check out missions

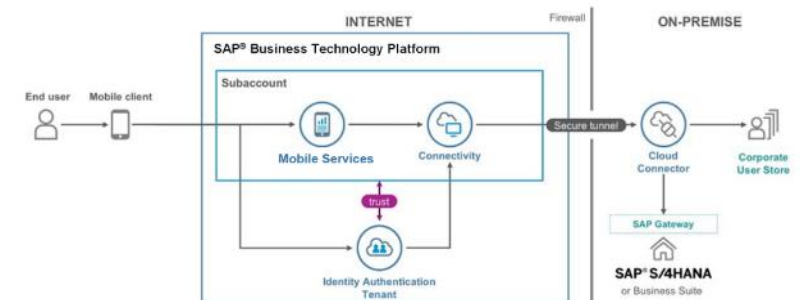


Go productive with a simple upgrade



Get support from the entire SAP community

Empower field technicians by building native apps using SDKs



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

How to Unleash the Power of SAP BTP with the SAP Discovery Center

Use Cases

Best Practices

Wednesday
17:00 – 17:45
Harlekin

Step by Step Guidance



Q & A

Thank you!



[SAP Discovery Center](#)



discovery-center.cloud.sap

Wrap up

- SAP BTP is the innovation platform optimized for SAP applications in the cloud
- SAP BTP enables you to Accelerate your time to value with operational excellence
- SAP BTP offers all you need for application development, integration and to infuse AI into your business
- SAP guides you

Where to Find More Information

- [SAP Discovery Center \(cloud.sap\)](https://cloud.sap)
- SAP BTP Guidance Framework: <https://url.sap/3jfar>
 - SAP BTP Developer's Guide
 - Reference architectures in SAP Discovery Center

Key Points to Take Home

- 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 Discovery Center is the one place to start and get guidance

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Please remember to complete
your session evaluation.

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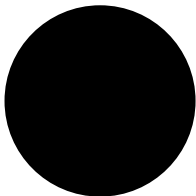
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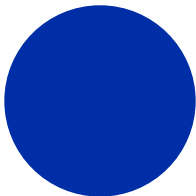
SAPinsider comprises the largest and fastest growing SAP membership group worldwide, with more than 750,000 global members.

SAPinsider Color Palette

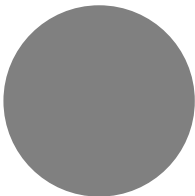
Primary



• Black #000000



Navy Blue #002EA6



Gray #808080



Blue Tint #EFF3F9

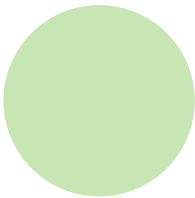
Secondary



Bright Blue #24B0FF



Green #96D26E



Green Tint #C8E6B4

Icons

