SAP Business Technology Platform in 2026 - An Overview

Arne Speck

SAP BTP Product Management

January 2026

Public

Agenda

- **What is SAP Business Technology Platform?**
- **SAP BTP Technology Areas**
  - Agent & Application Development
  - Integration
  - Artificial Intelligence & Data Foundation
  - Core Platform Capabilities
- **SAP BTP Multi-cloud**
- **Getting Started with SAP BTP**

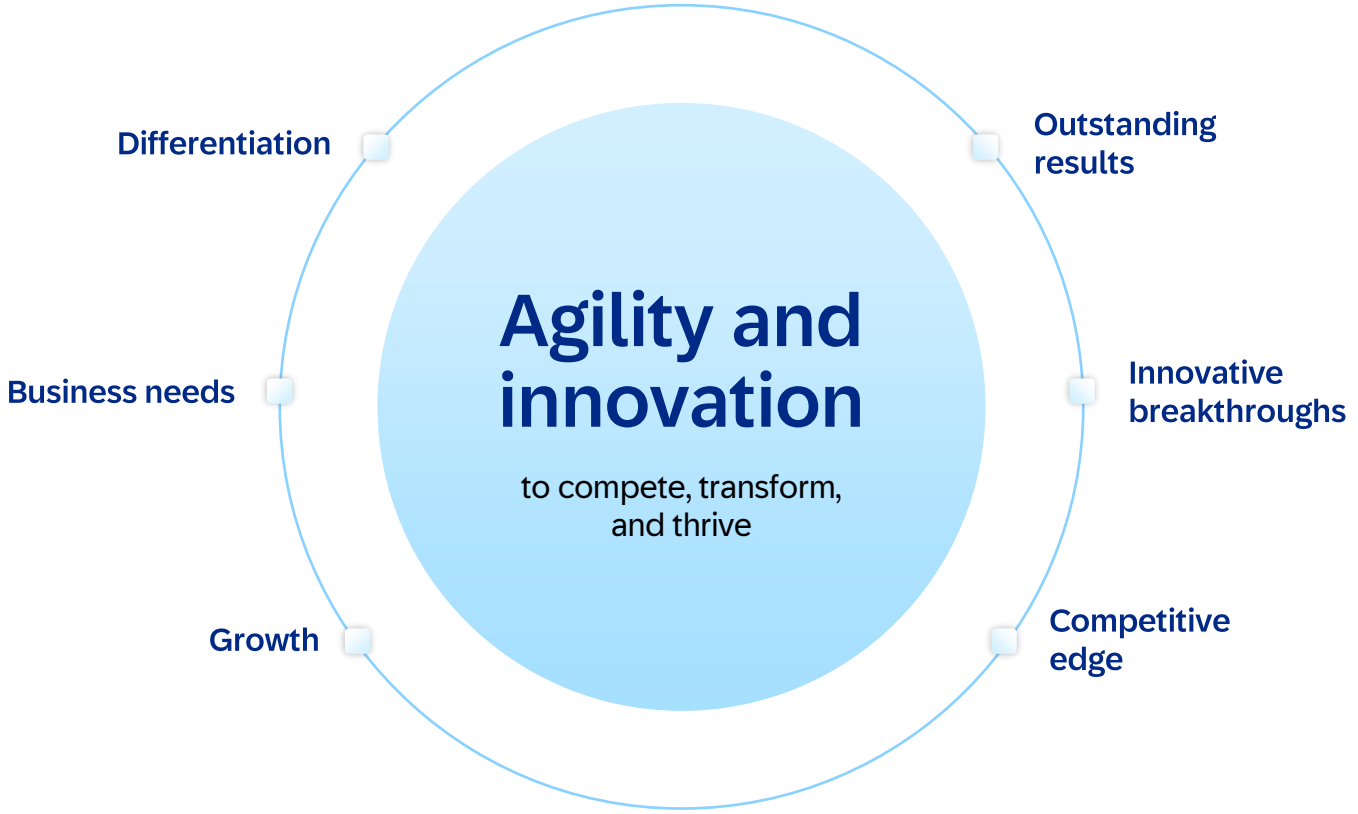
What are winning organizations looking to achieve?

Agility

React quickly to market changes and emerging opportunities

Meet business needs with agility and assurance

Compete and thrive in this digital age



Innovation

Achieve amazing business outcomes and innovative breakthroughs

Differentiate and set them apart from the competition

Transform the business and become an innovative disruptor

What’s holding them back

Disconnected applications and processes

Most IT landscapes are a myriad of disconnected applications and processes. Years of buying one-off business applications and technologies have left organizations awash in decentralized systems

Inadequate technologies and legacy systems

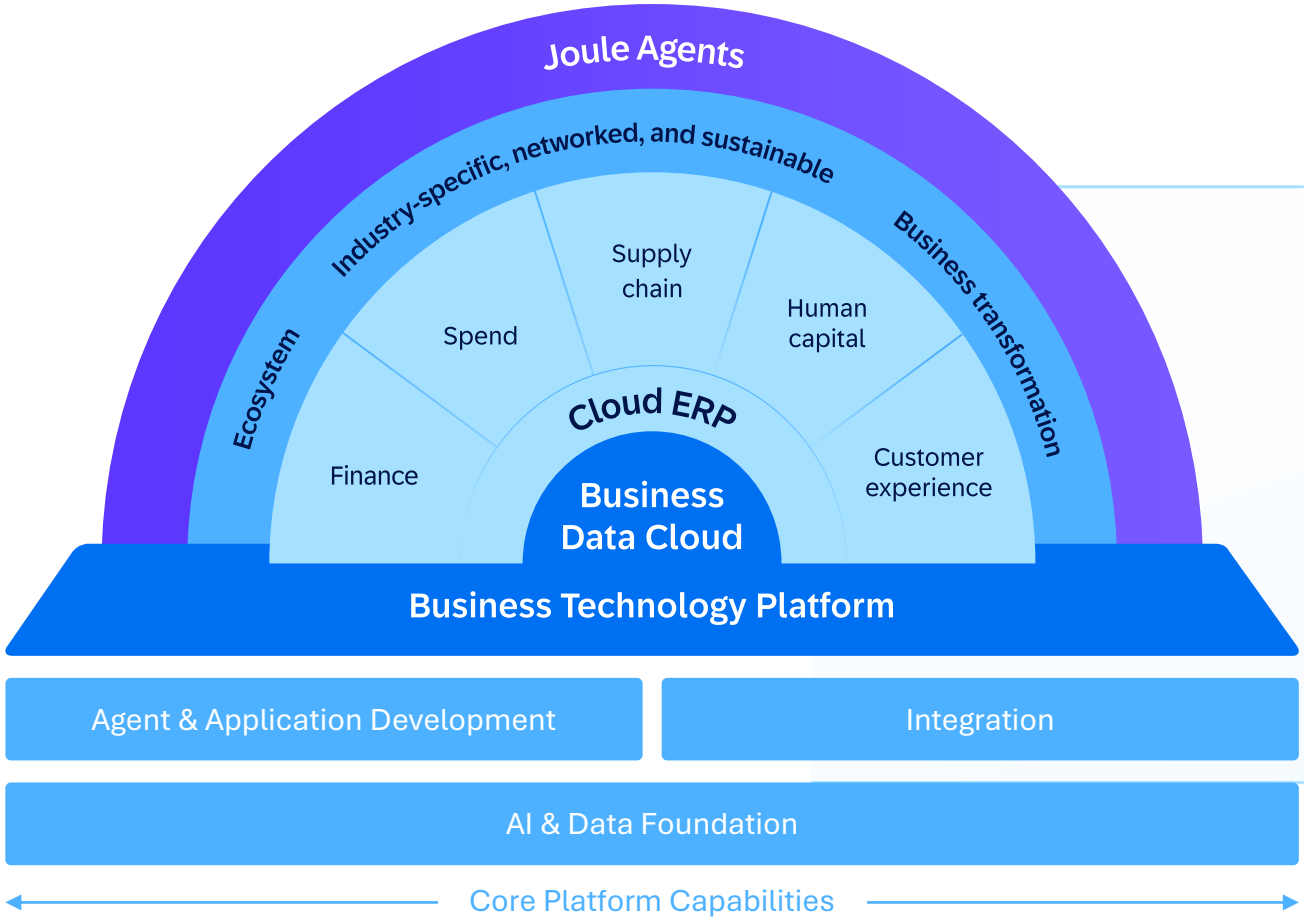
Organizations often lack the best technologies and AI needed to spawn innovation. Without a ‘unified platform’ approach, organizations are left with an array of disparate legacy or best-of-breed technologies working in isolation

What do they need?

Ability to connect disparate applications, processes, and data

Access to the best technologies working together to spawn innovation and differentiate their business

SAP Business Technology Platform

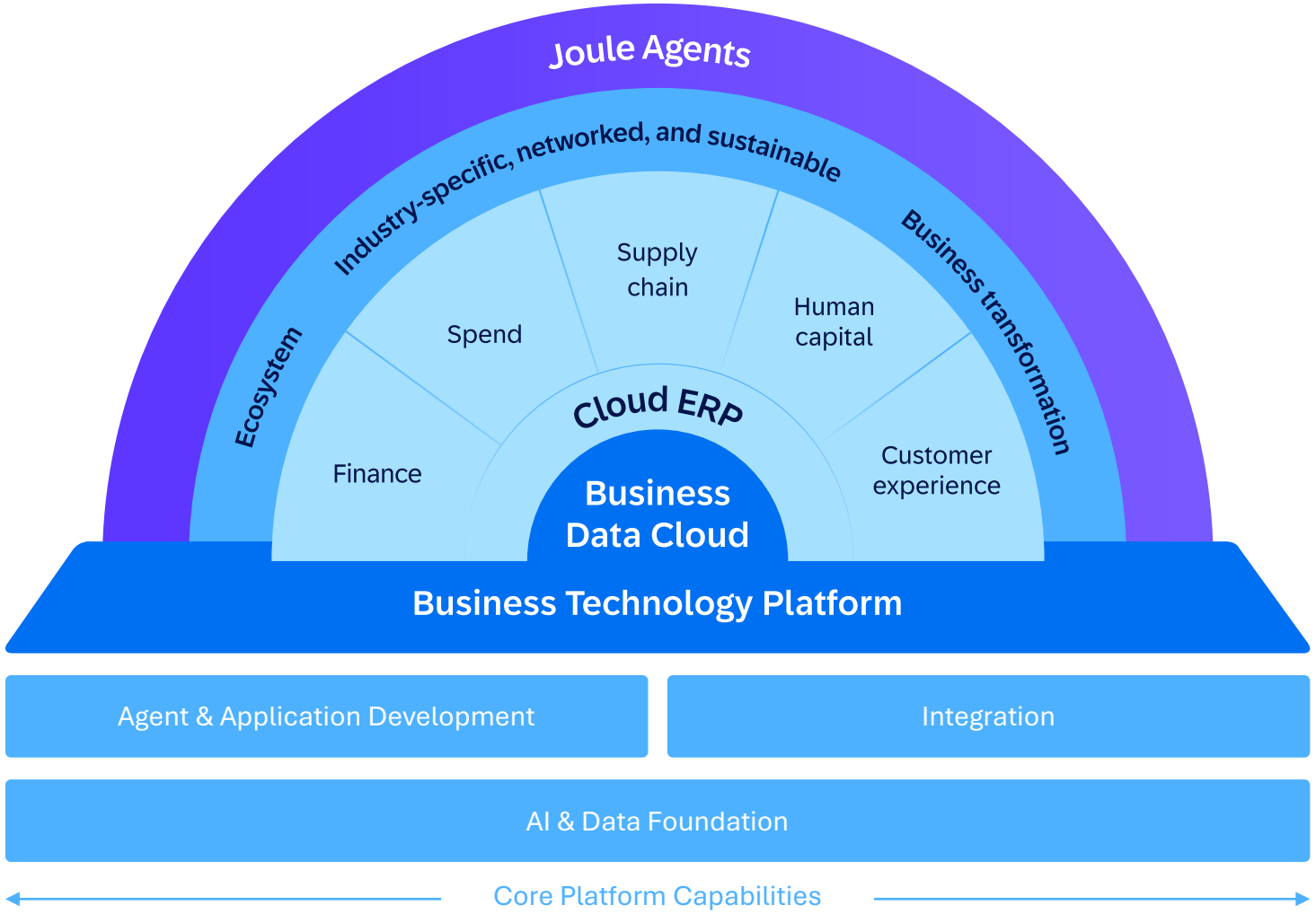


SAP Business Technology Platform

is a multi-cloud platform to unlock the full potential of your business.
SAP BTP empowers teams with generative AI-powered development and integration, making the solid foundation for your custom innovations and AI developments and operations across SAP and non-SAP applications.

SAP Business Technology Platform

The technology foundation **for the SAP Business Suite**



Innovation engine for SAP cloud applications
by embedding latest intelligent technologies

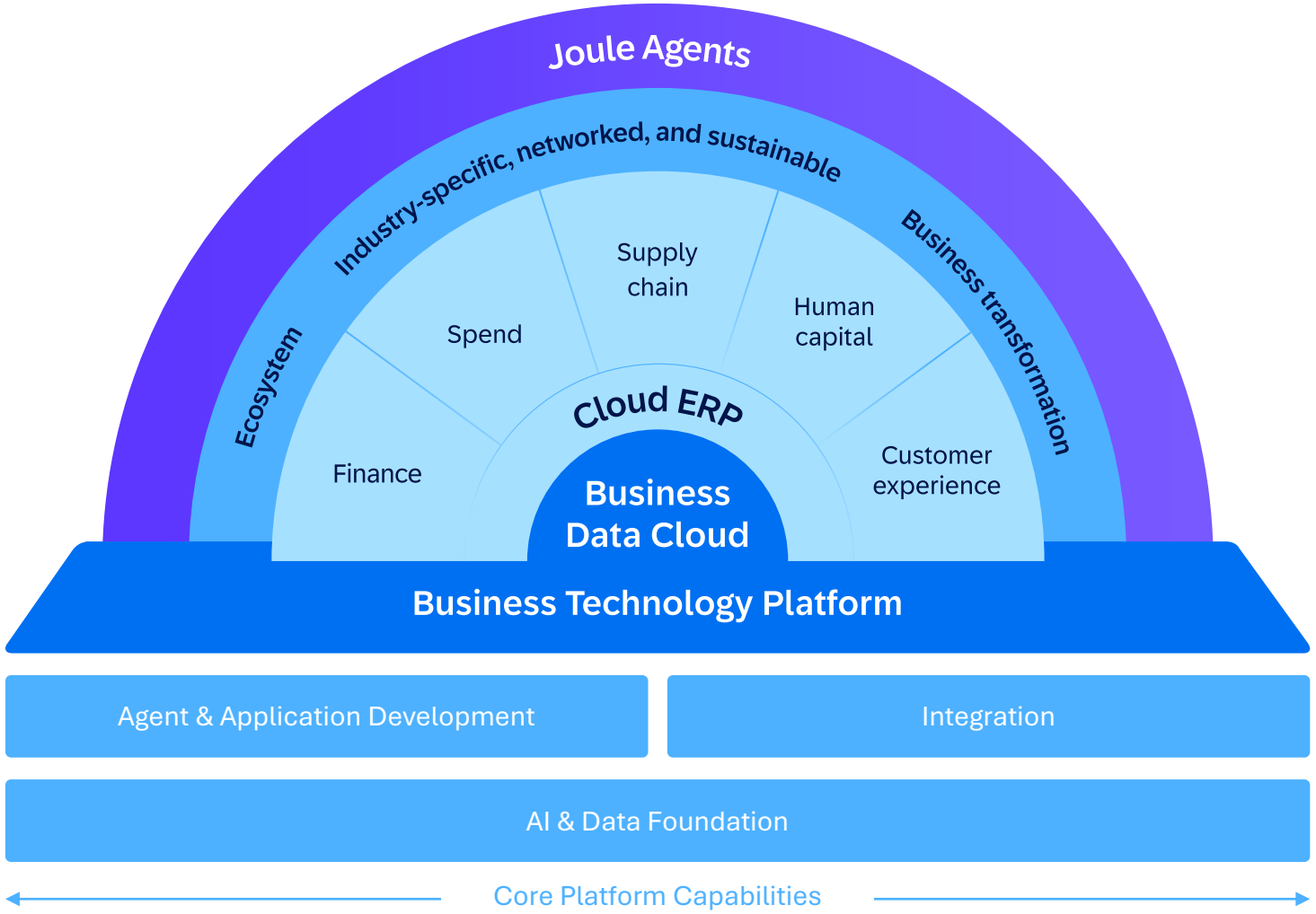
- ~ 400 generative AI scenarios embedded into SAP business applications running and operated on SAP Business Technology Platform

Utilize common platform services
across the full SAP portfolio, enabling consistent **qualities** across all SAP applications.

Harmonized technology foundation
to build and run new SAP cloud applications

SAP Business Technology Platform

The development and operations foundation **for SAP partners**



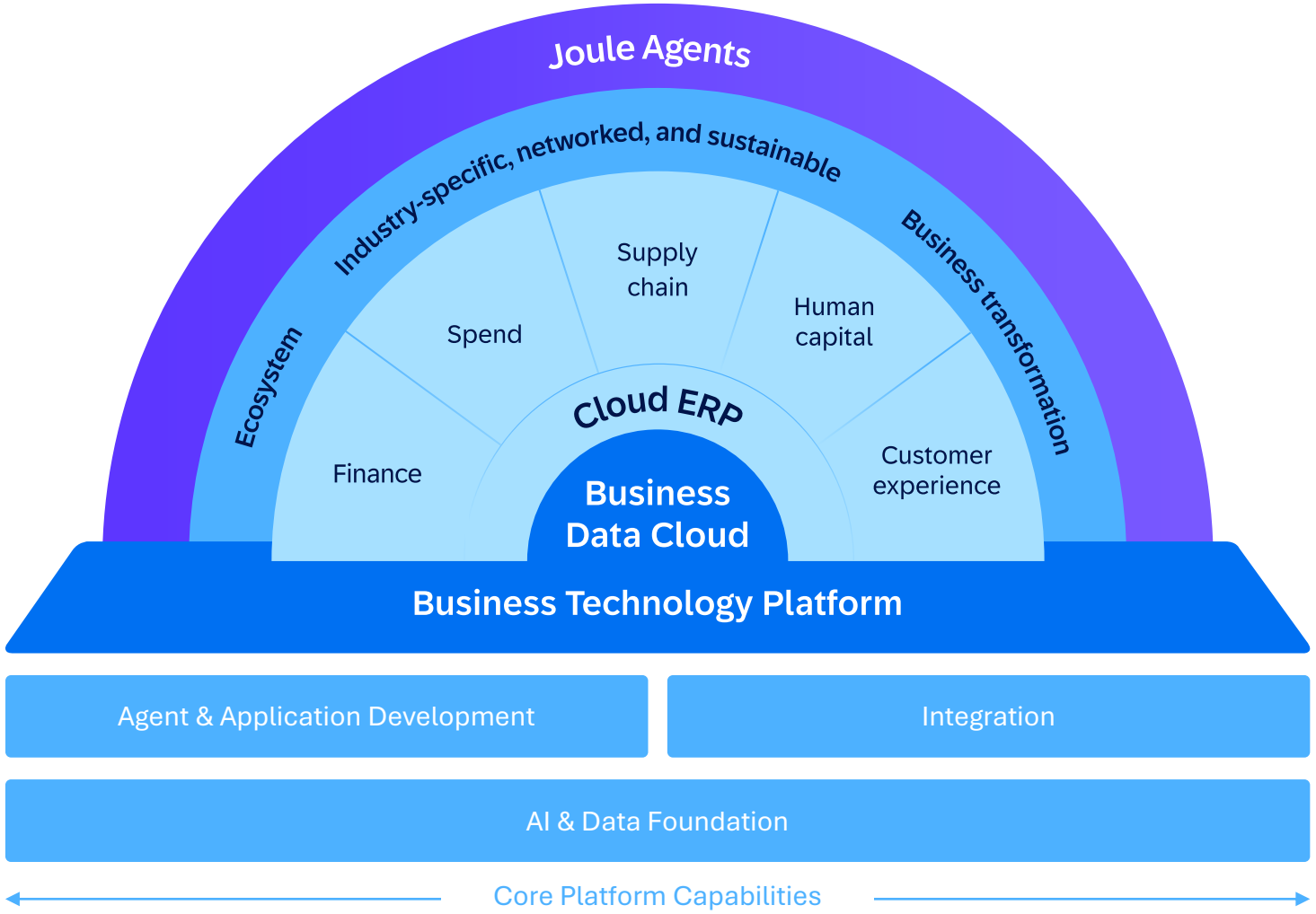
Easy and fast access to applications and content from the **SAP ecosystem**

- 3,650 partners with 50,000+ trained BTP experts
- 750+ partner applications and business application extensions available

Develop, integrate, and operate complementary solutions and content

SAP Business Technology Platform

The innovation, integration, and extension platform **for SAP customers**



An intuitive, modern **development, innovation and operations platform** for enterprise workloads

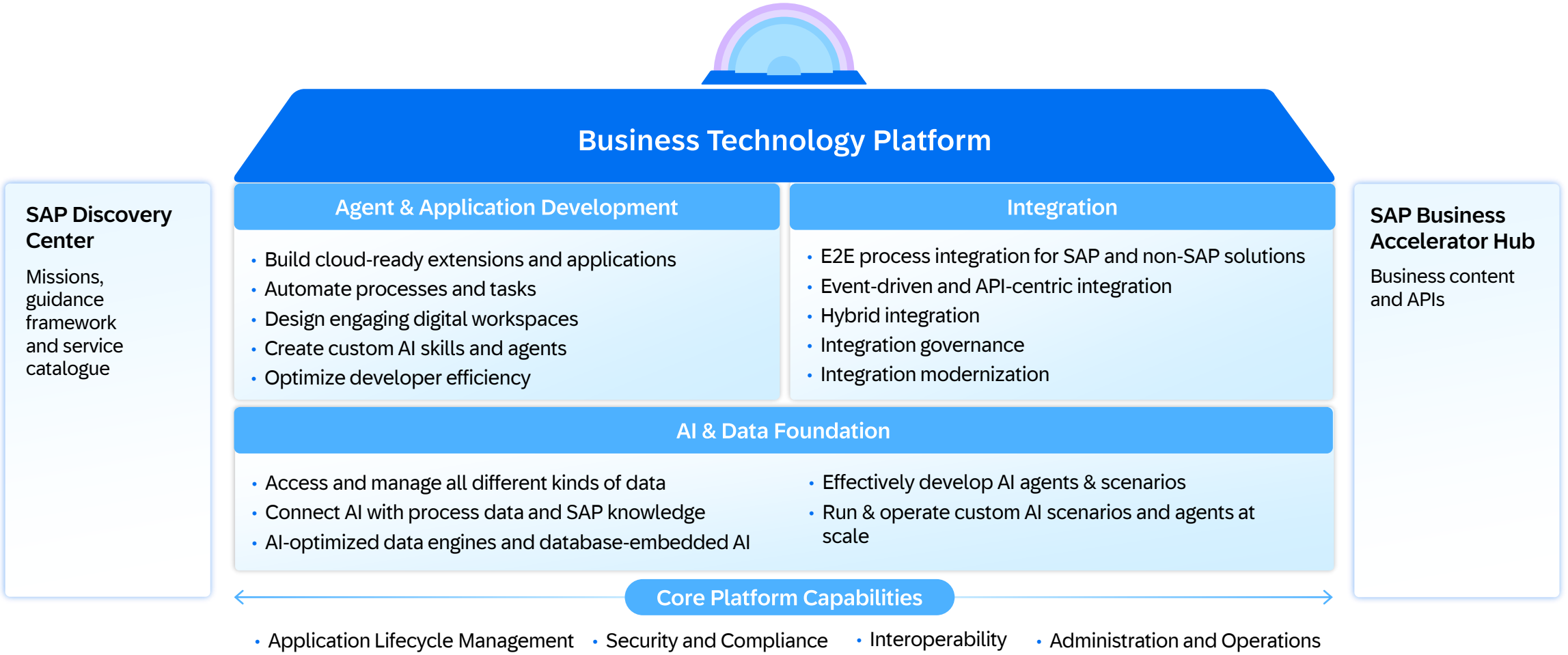
Providing integration solutions to **connect and streamline applications and processes** across the entire enterprise

The enterprise **AI platform** for your custom AI scenarios **from idea to enterprise-grade operations**

Offering pre-built business content for **integrations, workflows, app templates, and AI services**

SAP Business Technology Platform

A comprehensive platform of interoperable technologies



Agenda

What is SAP BTP?

SAP BTP Technology Areas

Agent & Application Development

Integration

Artificial Intelligence & Data Foundation

Core Platform Capabilities

SAP Multi-Cloud

Getting Started with SAP BTP

Agent & Application Development

Build, innovate, and automate

The agent & application development services of SAP BTP allow organizations to build new innovative apps and workspaces, extend and personalize business applications, and automate their business with pro-code, low-code, and AI-enabled development.

Build cloud-ready extensions and applications that maximize your investments across SAP applications

Automate processes and tasks with drag-and-drop simplicity

Design engaging **digital workspaces** to connect and collaborate across desktop and mobile

Create **custom AI skills** and **agents** to support your employees in all daily tasks and situations

Optimize **developer efficiency** with **low-code, pro-code,** generative AI supported tooling and prebuilt solutions **for developers of any skill level**

Introducing SAP Build

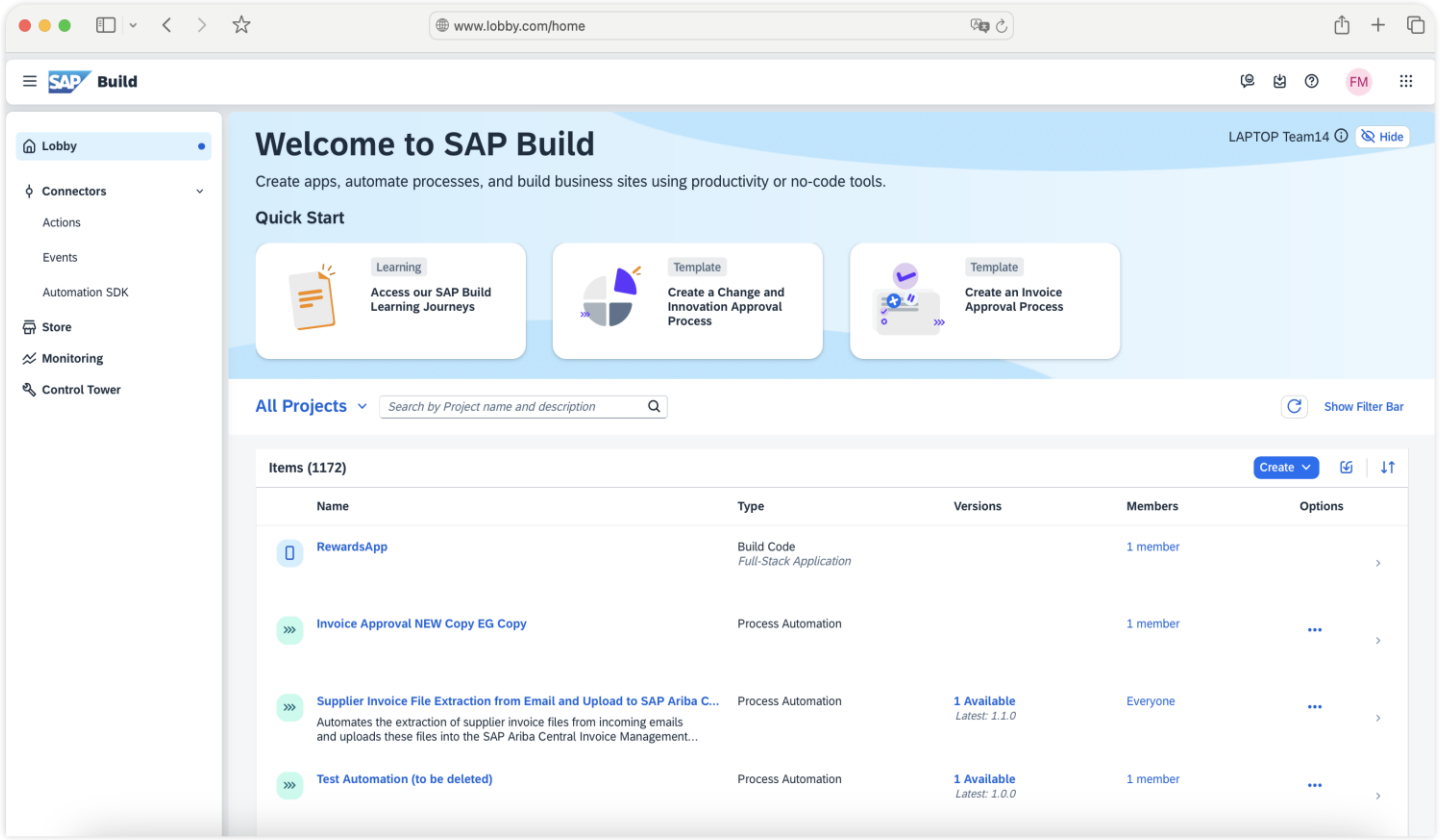
Bring it all together with a unified agent, app development, and process automation solution

A single solution for both **pro-code and low-code** needs supported by **AI based** coding and automation **assistance**

Provide a **unified lobby** for app composability and a single-entry point for projects

Fast-track projects with **prebuilt solutions from the lobby store**

Govern ongoing hybrid development projects for **secure developments**



Why SAP Build is the Backbone of Extensibility

Your strategy wins with extensibility; extensibility requires SAP Build

Scale with confidence

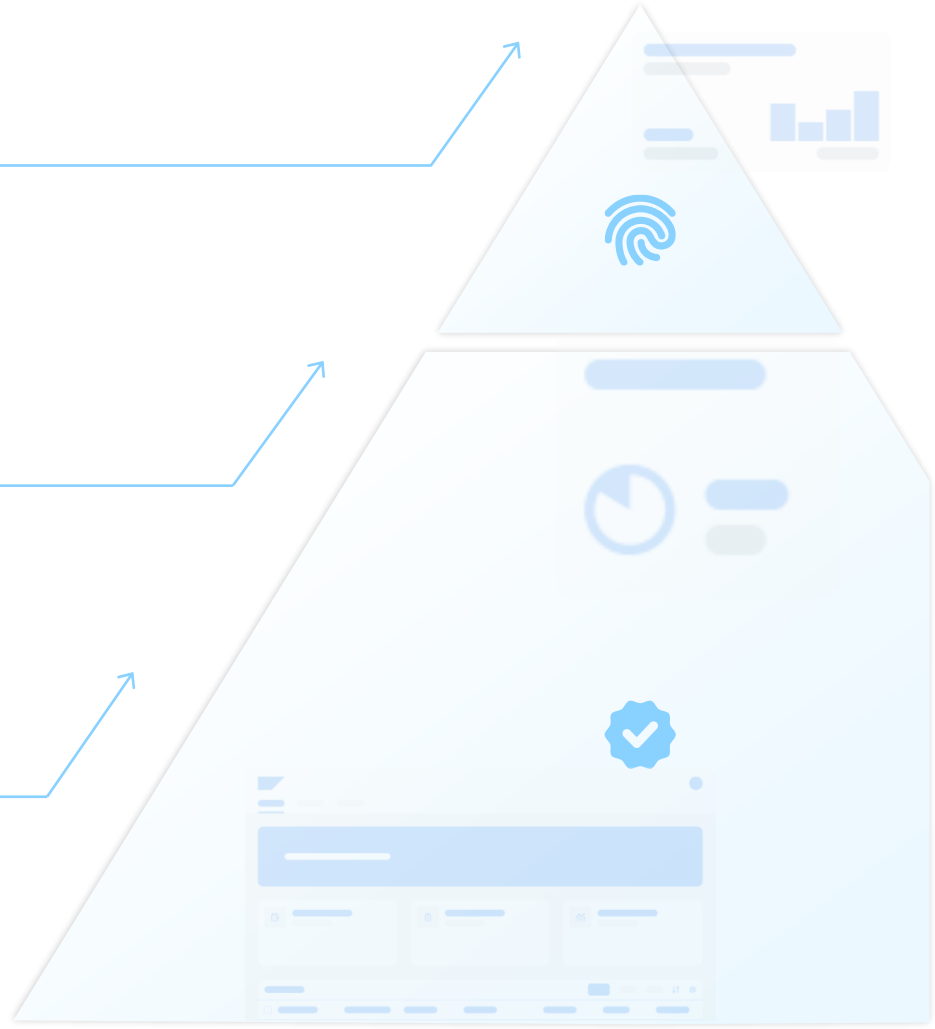
- Create upgrade-safe and clean core extensions
- Build on governance that you already trust with SAP BTP
- Develop extensions across lines of business and extend SAP S/4HANA, SAP Ariba and SAP SuccessFactors solutions, and more

Reduce complexity

- Use unified SAP Build licensing and see everything included with SAP Business Suite
- Simplify how you build across SAP with a unified platform
- Reclaim developer capacity and reduce development effort by 59%

Deliver faster

- Accelerate every phase of development with AI
- Use best-practice frameworks (CAP, ABAP Cloud development, SAPUI5)
- Jump-start work with pre-built solutions and a full library of templates



Create AI Agents and Joule Skills with SAP Build

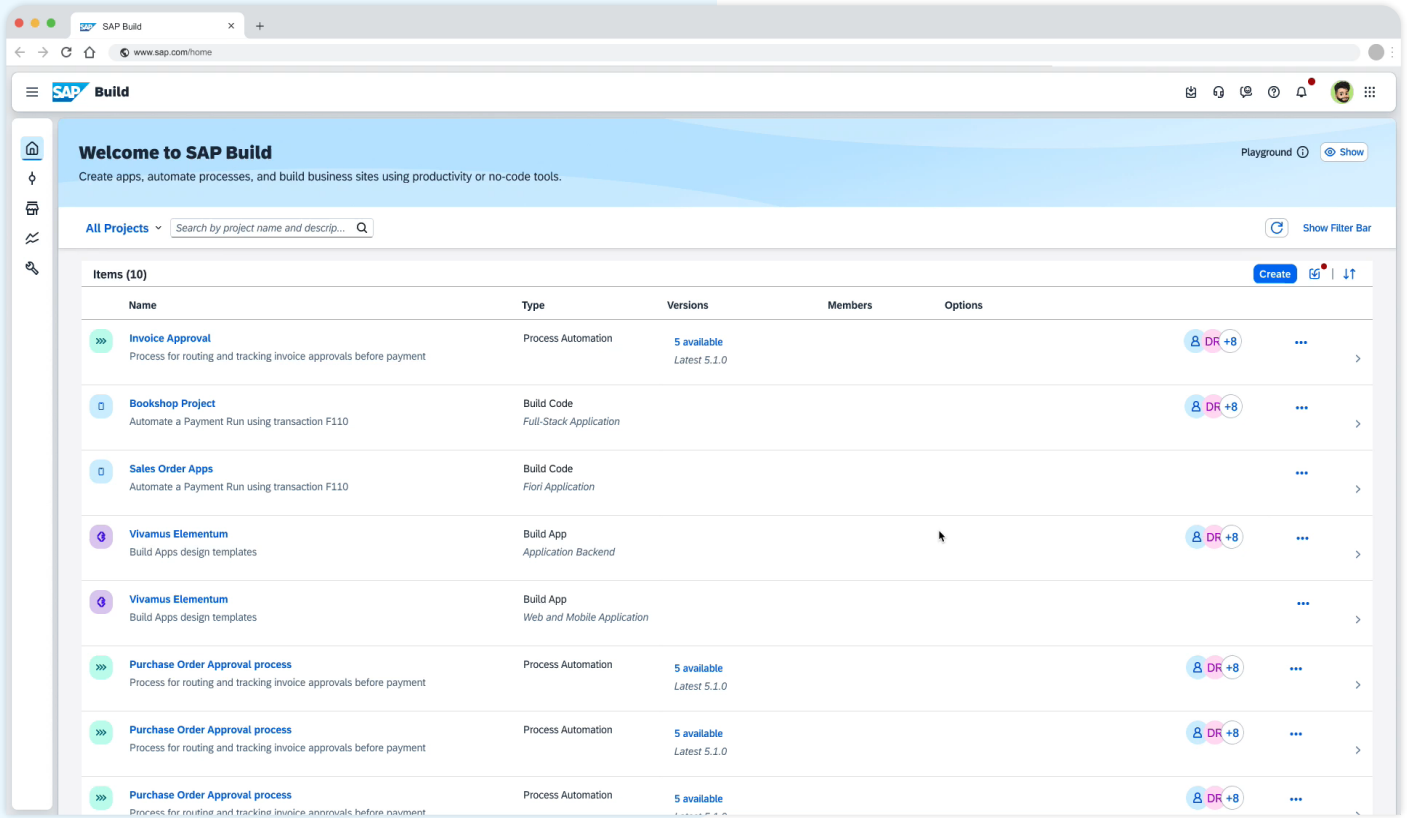
Extend Joule copilot with company-specific skills and intelligent agents

Create and orchestrate tailored, business-specific **Joule skills** and custom **AI agents** that understand and solve business problems

Bring **data and transactions** from **SAP and third-party** apps into Joule to provide a unified conversational experience

Govern AI agents centrally within SAP Build for **built-in enterprise-grade security**

Joule Studio



Create Cloud-native Applications and Extensions with SAP Build

Generative AI-based code development optimized for Java and JavaScript

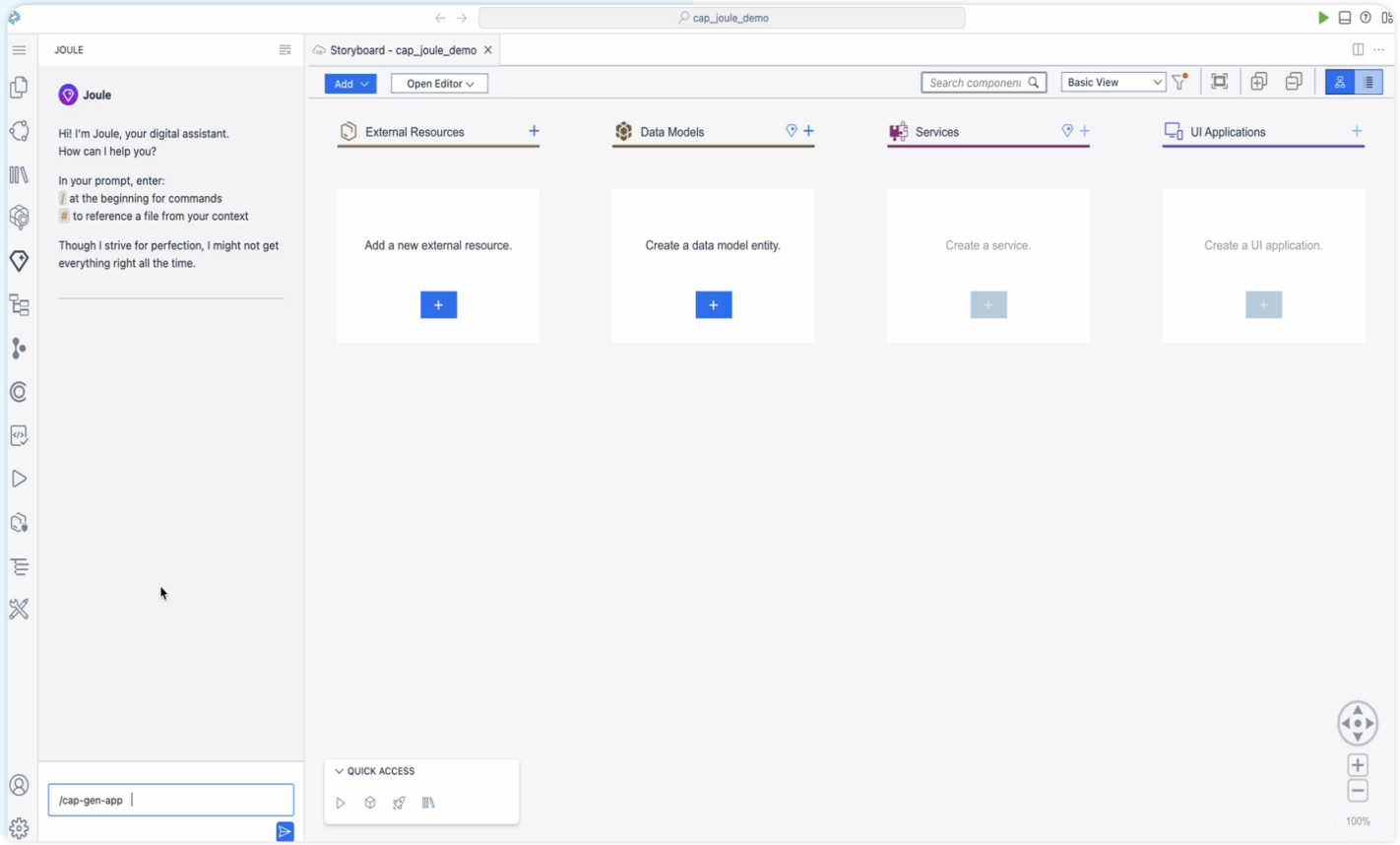
Leverage broad **cloud-native** developer community to **build** new innovative business applications and **extend** SAP solutions

Get coding assistance from Joule, the generative AI copilot

Accelerate your developments using **prebuilt templates** and a proven **application framework (CAP)**

- **Full-stack** business applications
- UI applications based on **SAP Fiori** or **SAPUI5**
- Cross-platform **mobile apps**
- Native **SAP HANA** applications

SAP Build Code



Create ABAP Applications and Extensions with SAP Build

Develop ABAP applications and extensions powered by generative AI

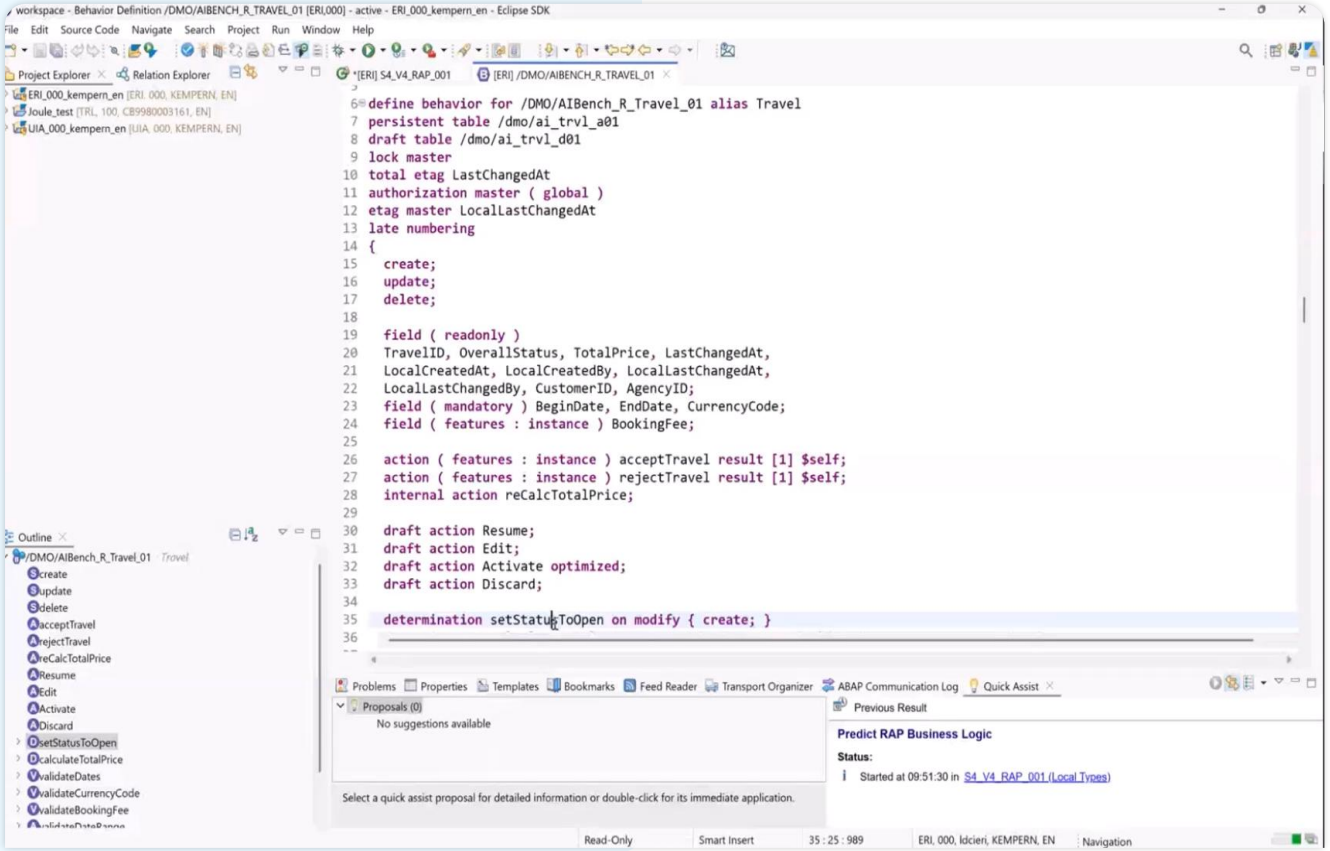
Leverage **existing** process and ABAP **knowledge** to **extend** SAP solutions or **build** new independent business applications

Get coding assistance from Joule, the generative AI copilot

Create transactional and analytical SAP Fiori apps and integration events using the **ABAP cloud** application framework

Analyze, optimize and migrate ABAP code with **custom-code migration** tools to operate cloud-based ABAP applications and **keep your SAP** S/4HANA **core clean**

ABAP environment



Create and Extend Applications without Coding with SAP Build

Build and augment enterprise apps quickly and visually with low-code development tools

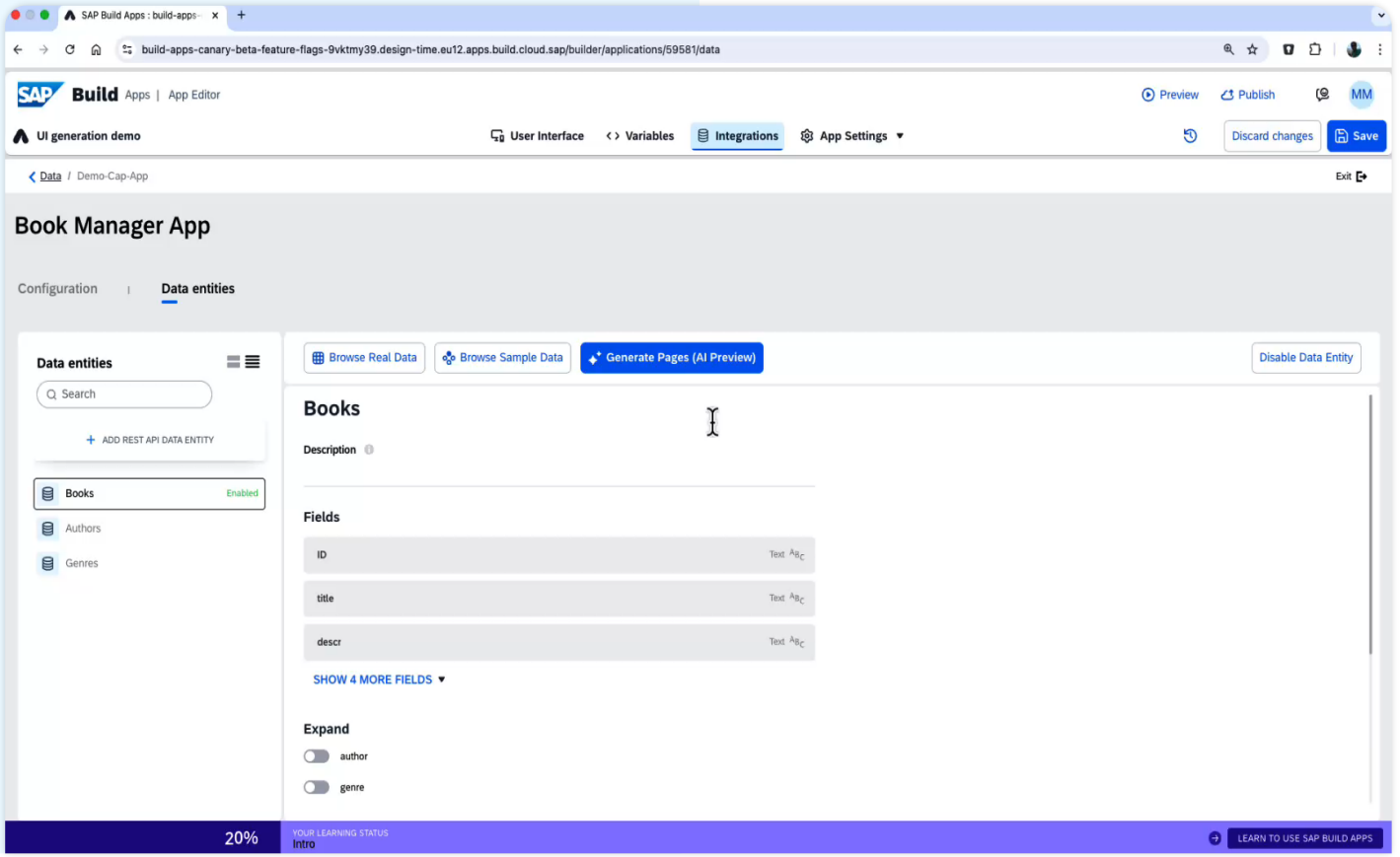
Let **Business Users** and **developers collaboratively** create SAP Solution extensions or stand-alone Business Applications

Visual cloud functions for creating full-stack apps with a back end, data models, and business logic **without coding**

Multichannel support to support to create **mobile** and **web** applications fully **integrated** with SAP or third-party systems

Integration with SAP or third-party systems through REST APIs and OData

SAP Build Apps



Automate Processes and Tasks with SAP Build

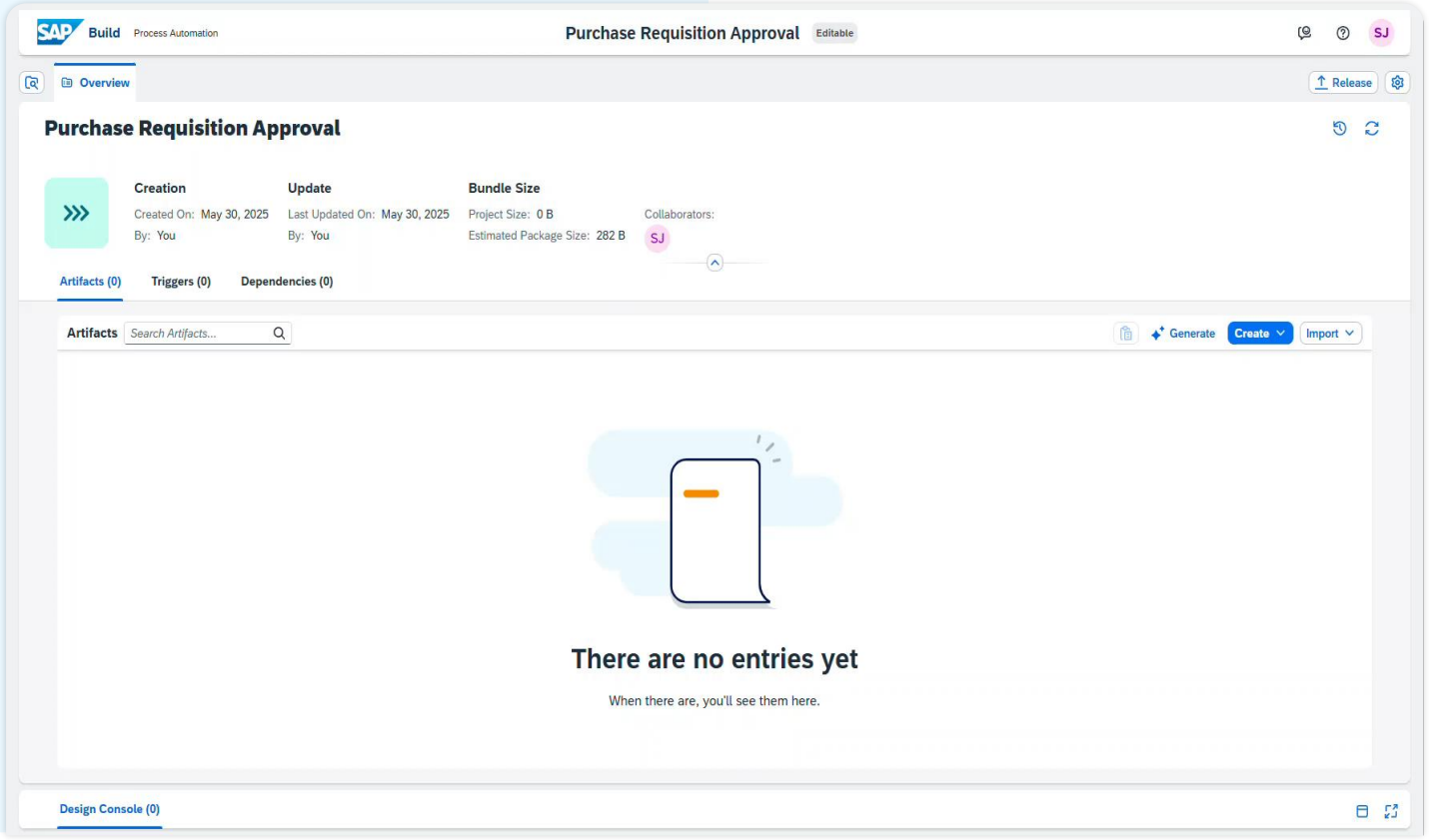
Generate Workflows and Bots with Drag-and-Drop Simplicity

Create and manage **workflows, task automations**, and **business rules** with drag-and-drop simplicity

Automate faster using **prebuilt solutions, bots, and connectors** for SAP and third-party systems

Use **built-in AI** for process generation, explanation and intelligent document processing

SAP Build Process Automation



Design Digital Workspaces with SAP Build

Create engaging sites to get work done quickly across enterprise applications

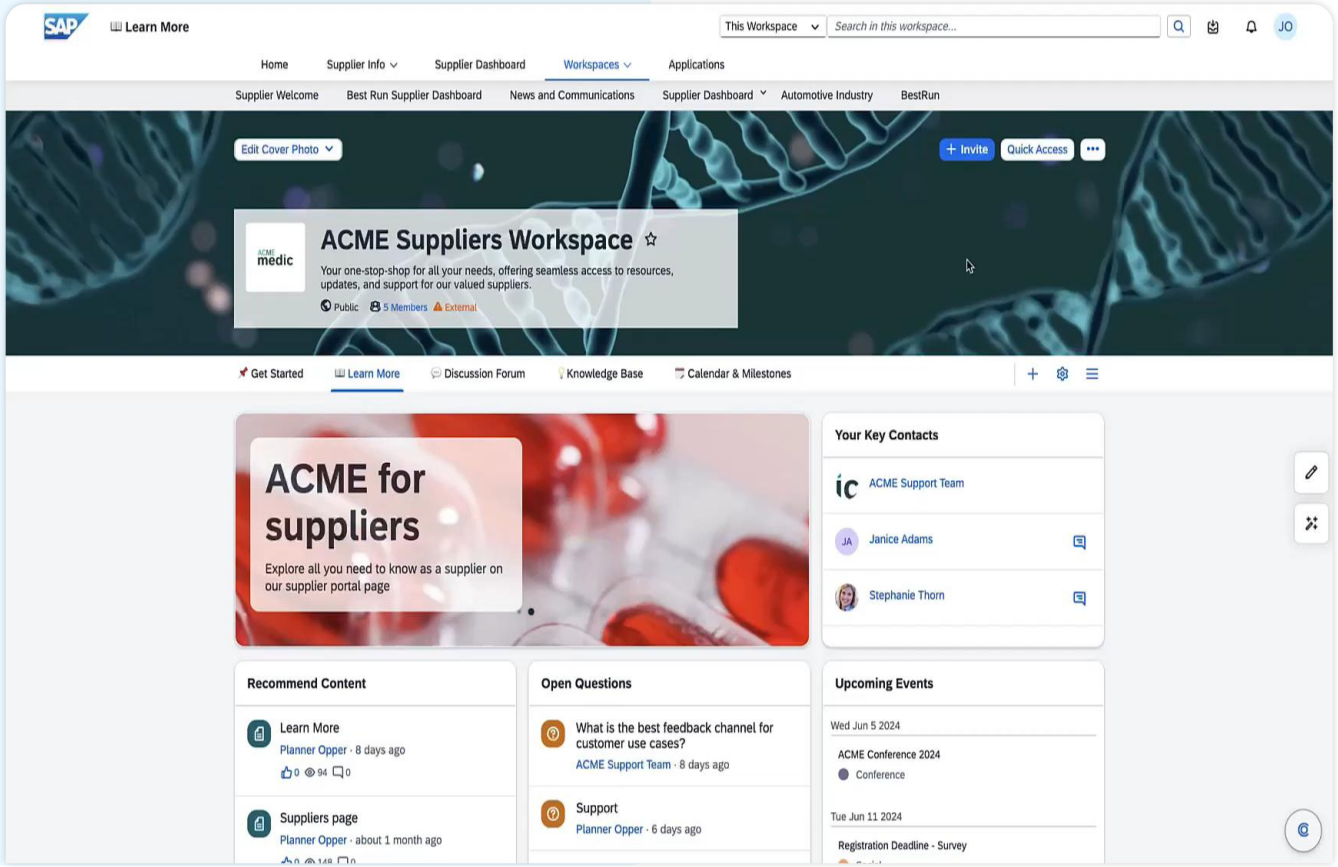
Enable personalized, role-based **digital workspaces** to provide a **central access point** for apps, tasks, and processes

Enrich sites with **content widgets** and **guided experiences** and **organize** knowledge with **document management**

Leverage solution-specific, **ready-made SAP or partner content** and templates and **empower business users** to create and share content

Maximize team **productivity** with **interactive workspaces**

SAP Build Work Zone



Exploring the Total Cost of Ownership of SAP Build

GIGAOM

58% Reduction in Development Effort

3x Increase in Development Velocity

30% Faster Test Data Generation

Development Productivity Gains

Eliminate repetitive coding tasks with built-in templates and components

Accomplish objectives with less than half the required workforce allocation

Reduced code complexity and technical debt lowers long-term maintenance costs

Accelerated Time-to-Value

Automate routine code generation and testing tasks via integrated tools

Leverage AI for code suggestions, query optimization & problem-solving

Faster development cycles leveraging CAP frameworks and built-in best practices

AI-Driven Development Acceleration

Utilize Joule AI assistant to accelerate routine development tasks

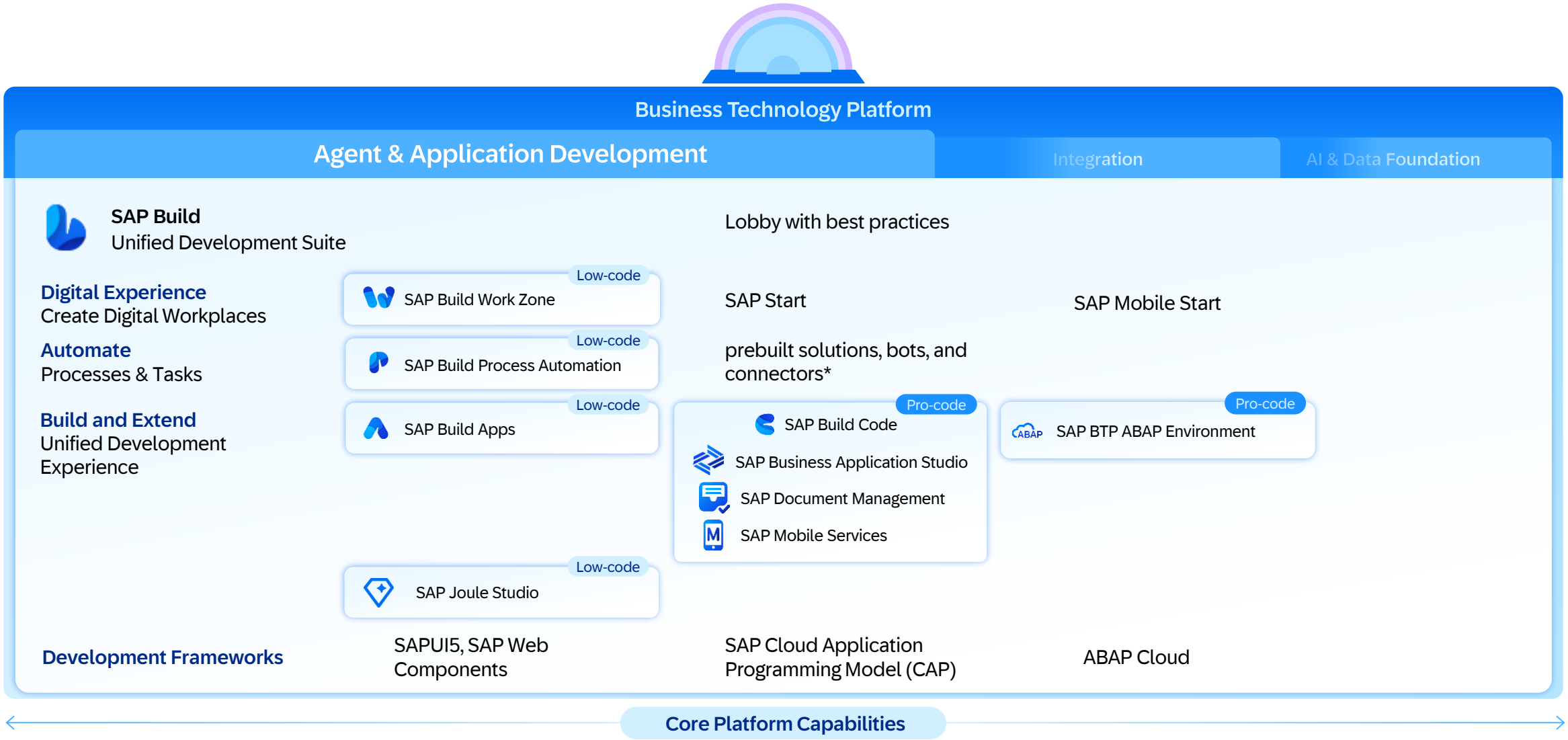
Streamline development with AI-powered code suggestions and query optimization

Improve data consistency and enable more thorough application validation

Source: Gigaom TCO Analysis: SAP Build vs Custom Development

SAP BTP Agent & Application Development Cloud Services

The right tools for all development scenarios



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SAP BTP Technology Areas

Integration

Connect, simplify, modernize

The integration solutions of SAP BTP allow organizations to connect and streamline applications and processes across the entire enterprise. Accelerate outcomes through AI-based proposal services and recommendations as well as thousands of prebuilt integrations and connectors to SAP and third-party integrations.

Connect and automate all your applications and processes throughout your enterprise environment and beyond

Efficiently manage and secure APIs leveraging AI to unlock new business opportunities in the API economy

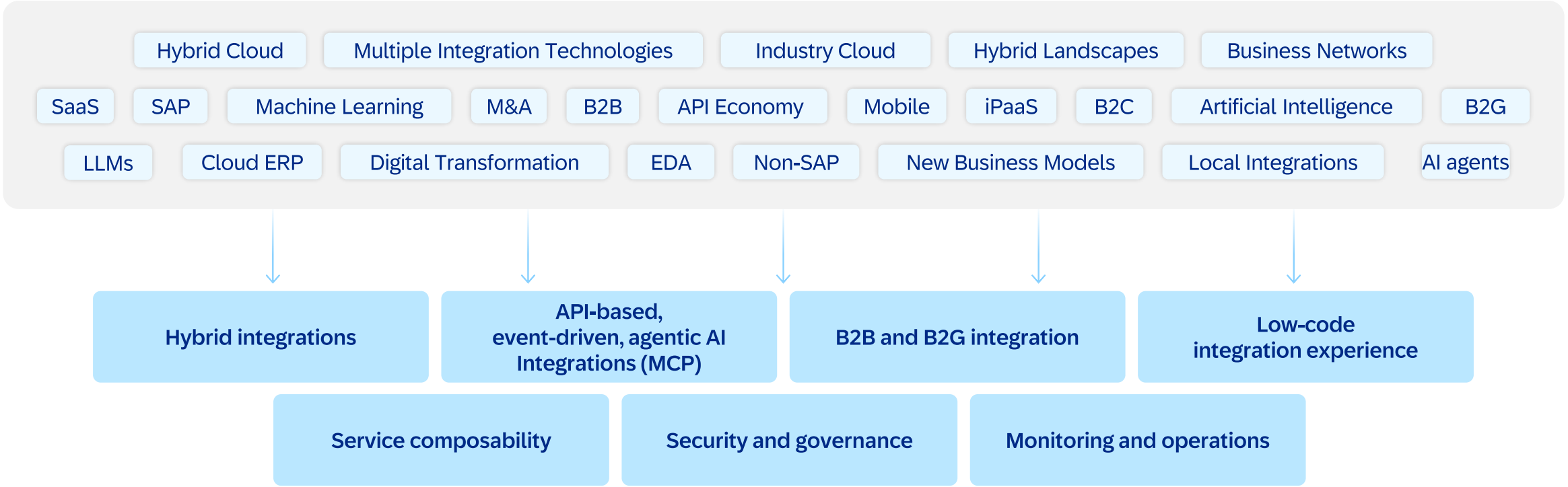
Adopt an **event-driven architecture** to distribute events in real time for seamless integration with hybrid environments

Communicate with your trading partners efficiently using a robust **B2B integration platform**

Smoothly integrate with **LLMs** and **AI agents**

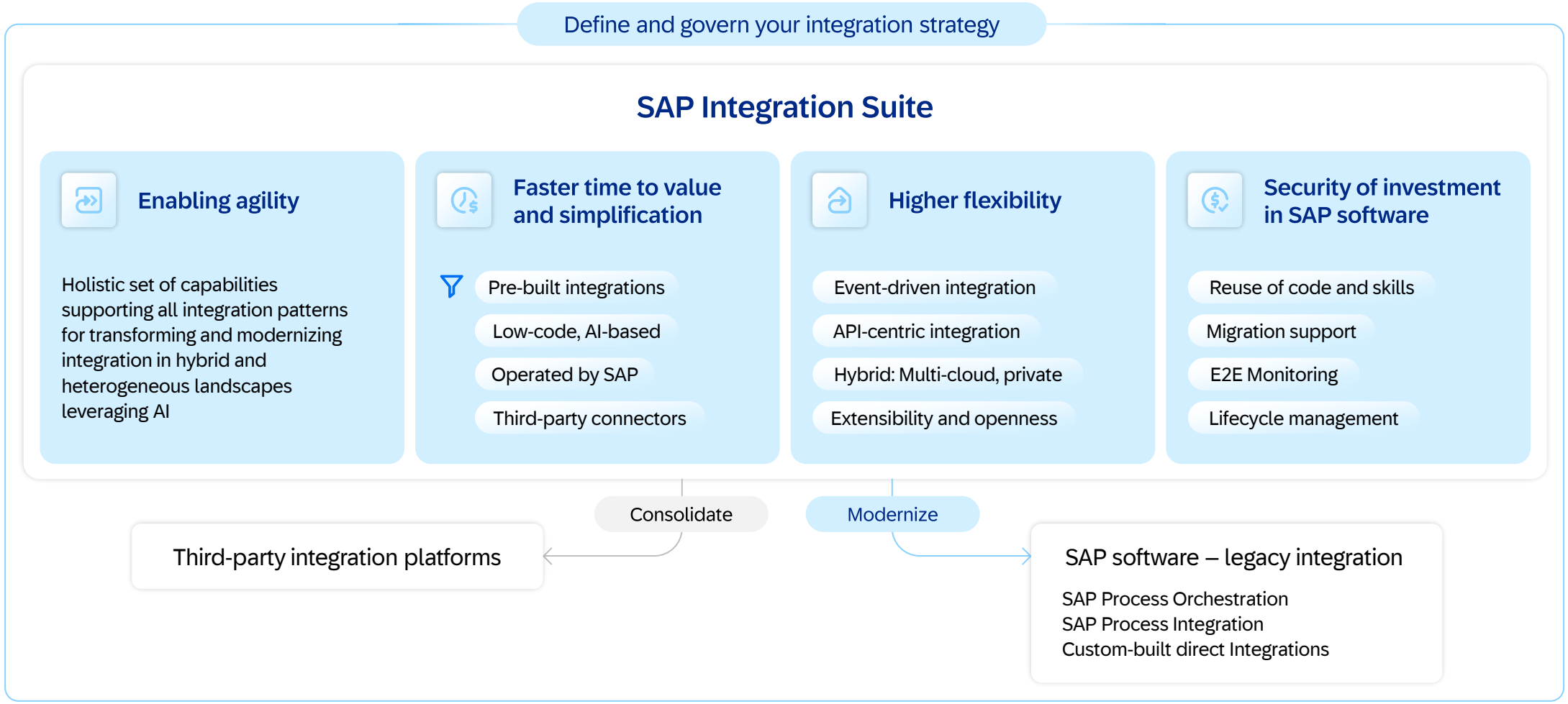
Quickly Evolving Hybrid Landscapes

Require the evolution of integration solutions



SAP Integration Suite

A holistic and modern, AI-based platform for all integration and innovation needs



SAP Integration Suite, Advanced Event Mesh

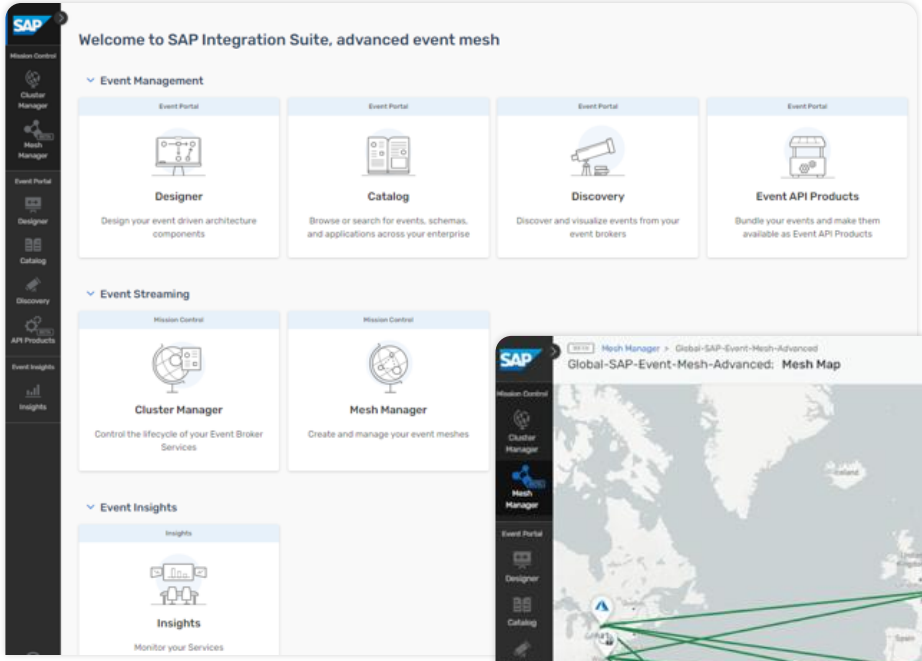
Manage and process events at enterprise scale

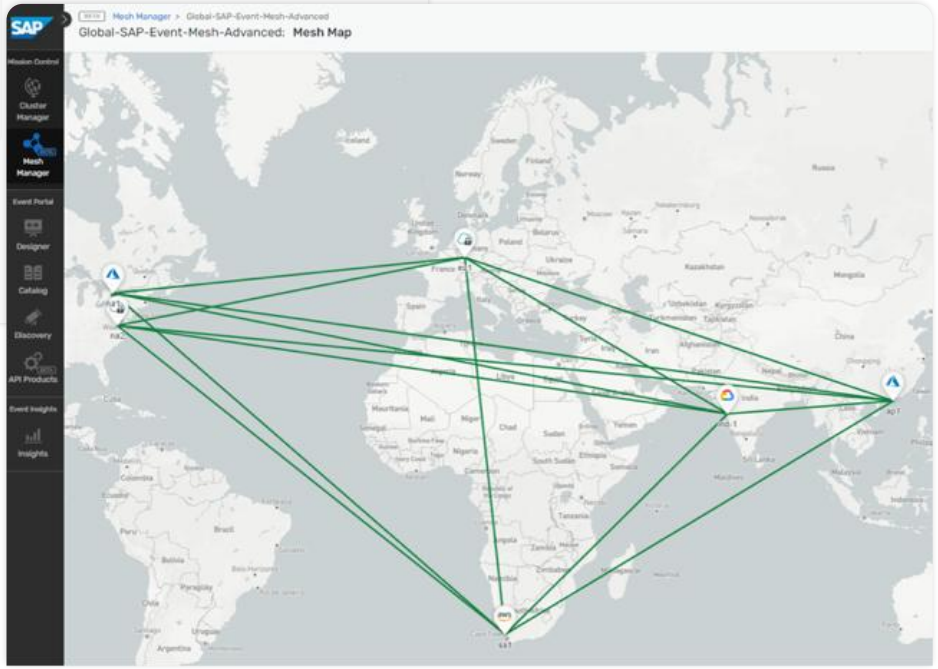
Distributed mesh of event brokers that can be **deployed across environments** targeting demanding event-driven scenarios

Event streaming, management and monitoring for real time updates on changes in business applications

Includes **advanced management toolset** and sophisticated features like message routing, filtering, deployment options and distributed tracing

Go beyond vendor boundaries by using **open standards** and protocols by loosely coupling business applications **across public and private cloud** environments





SAP BTP Integration Cloud Services

Connect, simplify, and modernize

Business Technology Platform

App Dev & Automation | **Integration** | AI & Data Foundation

SAP Integration Suite

Integration platform-as-a-service (iPaaS) connecting processes and data across your value chain

AI-assisted integration & development

Integration Advisor

Low-code development tooling

AI-based operational excellence

API Management

Graph

5,000+ APIs and data graphs*

API-based integrations & Unified Business APIs

Event Mesh

1,400+ business event types*

Event-driven integrations

Cloud Integration

Open Connectors

Trading Partner Management

A2A / B2B / B2G integration

4,200+ built-in integrations*
1,500+ int. artifacts from partners*

250+ connectors to SAP and third-party software

Industry B2B Standards

Integration with AI agents

Exchange Data Within Data Spaces

Data Space Integration

Access Data in SAP Business Suite

OData Provisioning

Integration strategy proposals

Integration Assessment

Migration Automation from SAP Process Orchestration

Migration Assessment & Tooling

SAP Integration Suite, advanced event mesh

Real-time event streaming across distributed environments

Cloud Integration Automation

Automated integration of SAP Cloud solutions

On-premise-to-on-premise integration in hybrid landscapes

Edge Integration Cell (part of SAP Integration Suite)

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SAP BTP Technology Areas

AI & Data Foundation

Build, run and connect your custom AI solutions and agents with SAP Business Technology Platform

Backed by a robust AI and data foundation, SAP BTP is the platform of choice for rapidly building, operating and extending custom AI solutions that meet your fast-evolving business needs.

Data access

Provide access and processing of all different types of data for all your application and AI developments.

AI-optimized

Drive all kinds of AI use cases via specialized engines (like vector and knowledge graph), as well as database embedded AI capabilities

Develop effectively

Build AI agents, extend Joule, experiment with models and orchestrate workflows through intuitive interfaces.

Run AI at scale

Benefit from technology in the background to manage agents, runtimes workloads, models, and security, and lifecycle.

Connect

Bring AI to your data by connecting it to SAP specific knowledge, sensitive customer data, external data sources, and infrastructure.

The Reality of Today's Organizational AI & Data Challenges

Pace of Innovation

Requires organizations to continually adapt to new tools, methodologies, and frameworks

Resources

High resource requirements for onboarding AI models and managing orchestration tasks such as authorizations, metering, and monitoring

Time

Big portion of AI engineers' time is dedicated to preparatory tasks like selecting and fine-tuning LLMs or engineering prompts

Productivity

Lacking empowerment to fully utilize AI, often results in low productivity and value realisation from AI initiatives

Operationalization

Gap between AI development and operational deployment due to lack of frameworks, tools, and integration

SAP HANA Cloud

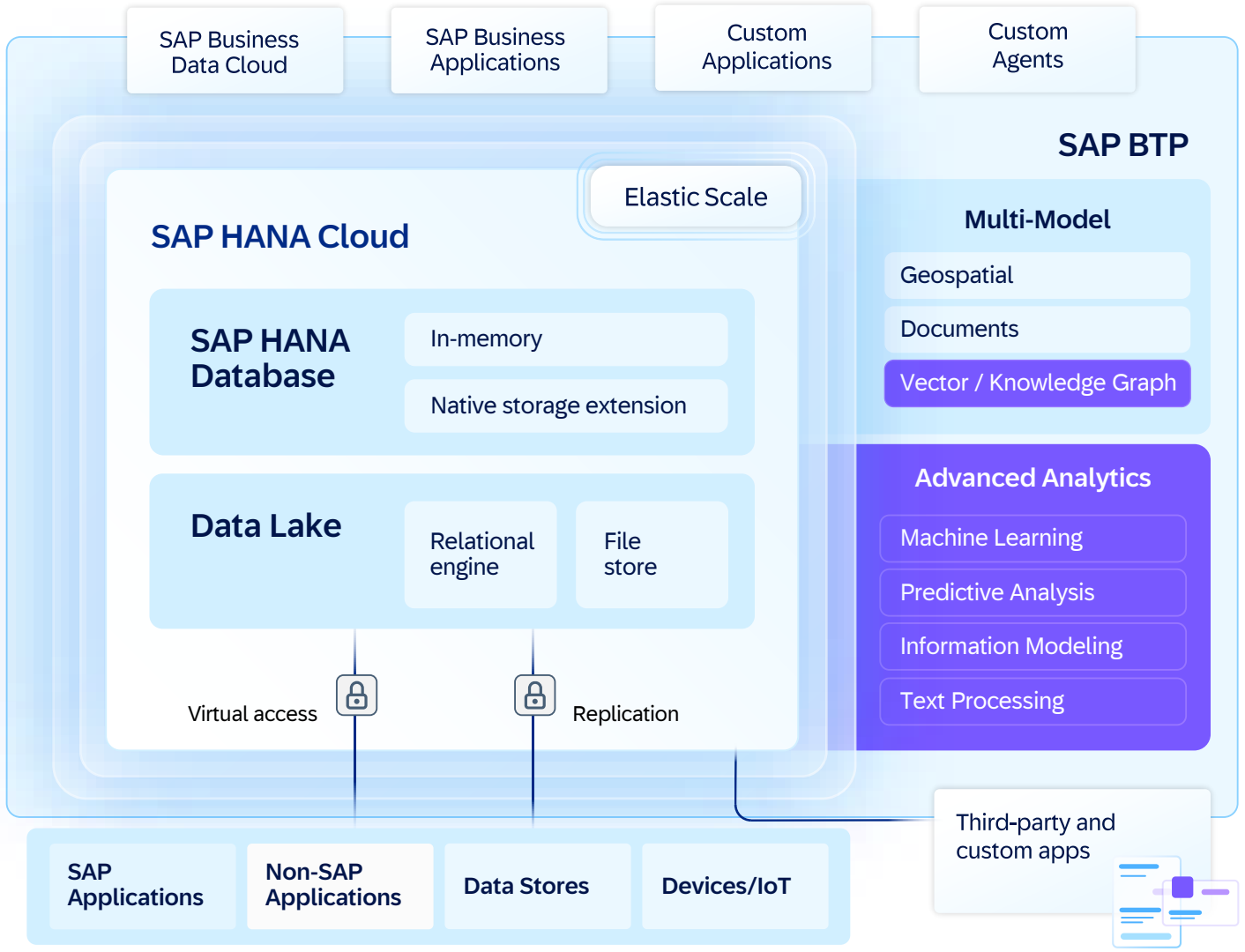
Solution overview

SAP HANA Cloud is SAP's **cloud-native database-as-a-service,** running on SAP BTP

Designed to offer cloud qualities like **low total cost of ownership (TCO), elasticity, high availability, resilience and autonomous behaviors**

Public multi-cloud offering provided by the SAP Business Technology Platform in various **regions and data centers all around the globe**

Ensures **data security, compliance and easy scalability** across the business



Why SAP HANA Cloud is the Database AI was Looking for

ONE database service to ground your agents and apps with context, domain features and embedded AI

All models in one system

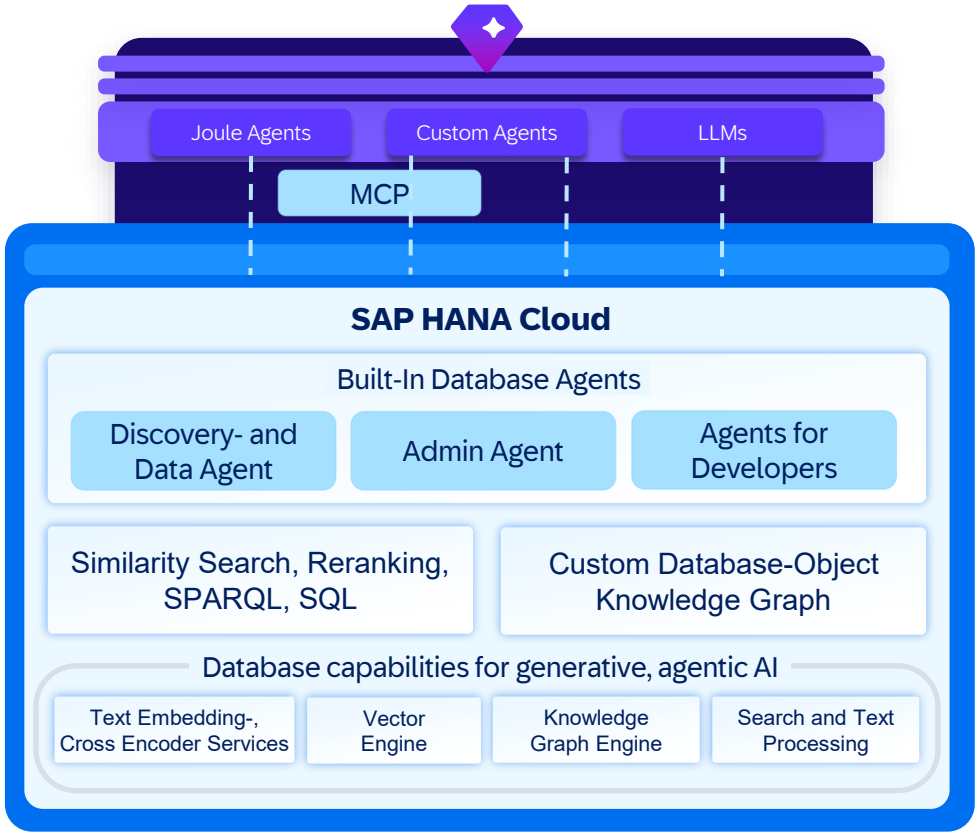
- Leverage transactional, analytical and multi-model cases, all in one database
- Simplify your AI workflows, by connecting to one database only
- Benefit from advanced data analysis and processing capabilities, to build rich domain specific intelligent applications and custom agents

Data analysis powered by agents

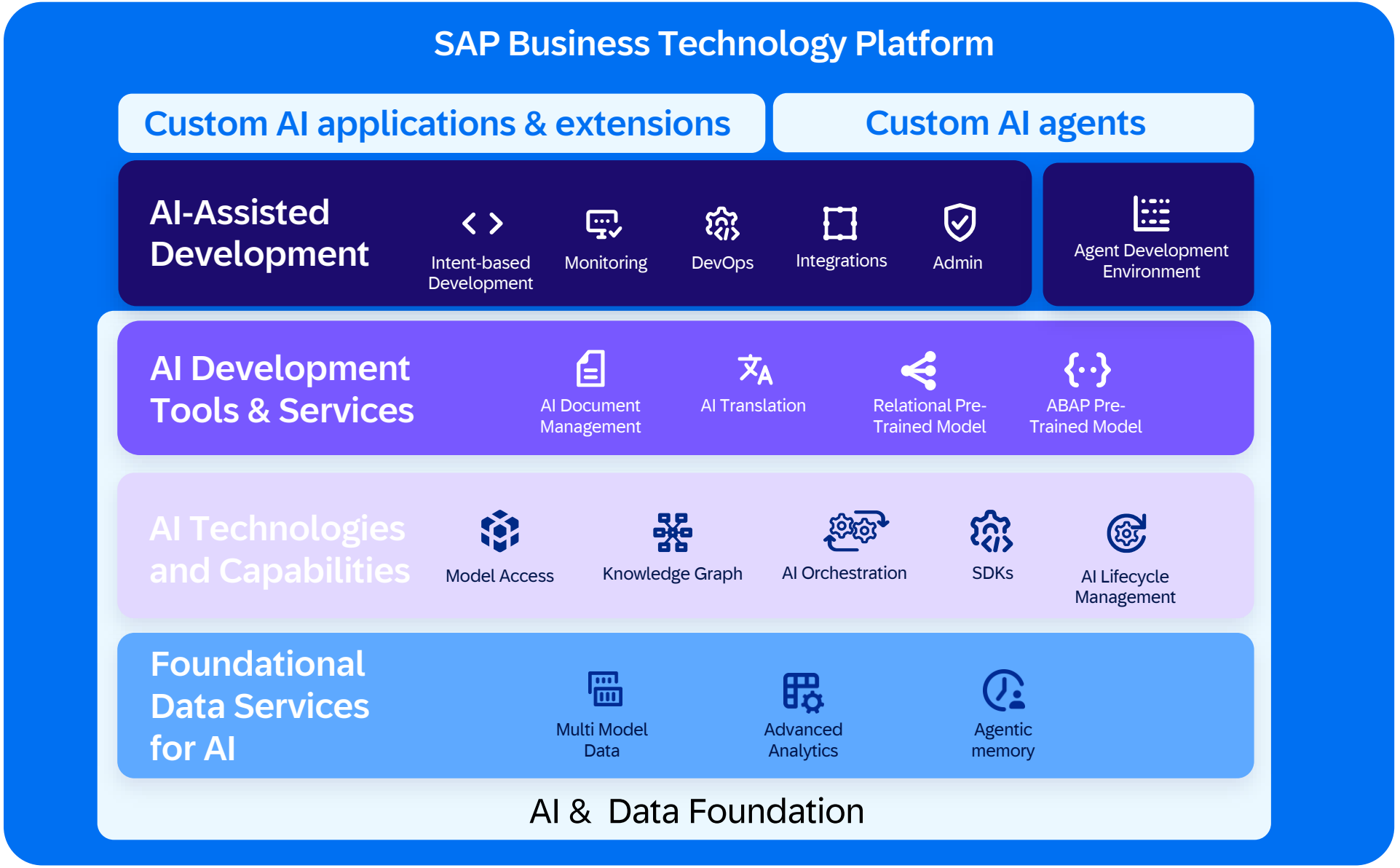
- Embed SAP HANA Cloud's advanced data processing capabilities even easier, via the help of out of the box agents
- Found your scenarios on top of a solid grounding layer, represented by an automatically generated knowledge graph on your custom data

Providing agentic memory

- Persist conversation context across long-running sessions to improve reasoning and decision making
- Hyper-personalize user experiences, as agents will remember important facts via SAP HANA Cloud, as it extracts knowledge from previous conversations



How AI is Built and Delivered within SAP BTP



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AI Foundation on SAP BTP - A Growing Set of Capabilities

Model Benchmarks

AI Ethics safety scores

Grounding service

AI Playground

Orchestration

Training & Serving Engine

Data Masking

Content Filter

Data center choice

AI SDKs

Security standards

Prompt Registry

Joule Studio

Embedding Endpoint

Multi-model support

Prompt Optimizer

SAP Knowledge Graph

SAP Document AI

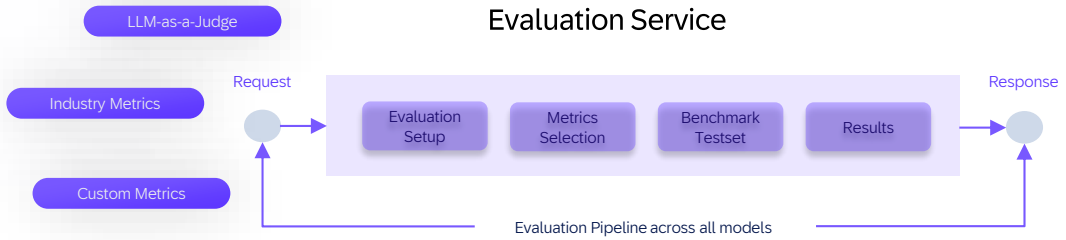
SAP Foundation Model

SAP ABAP LLMs

Translation module

Agent runtime

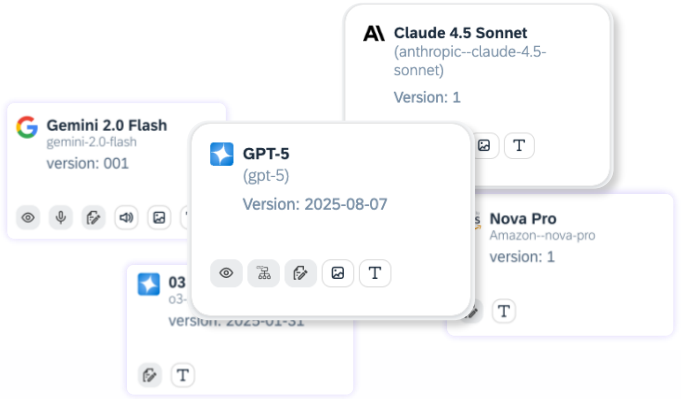
Evaluation Service

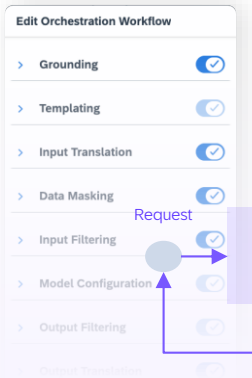


40+ Model Access

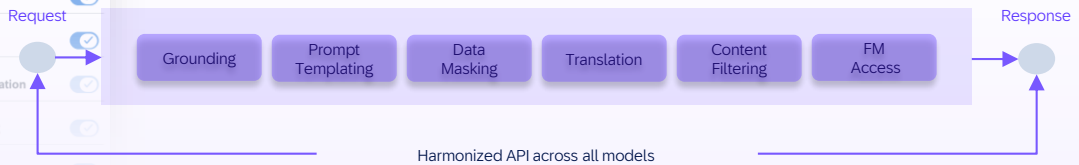
Model Benchmarking

Prompt Optimizer



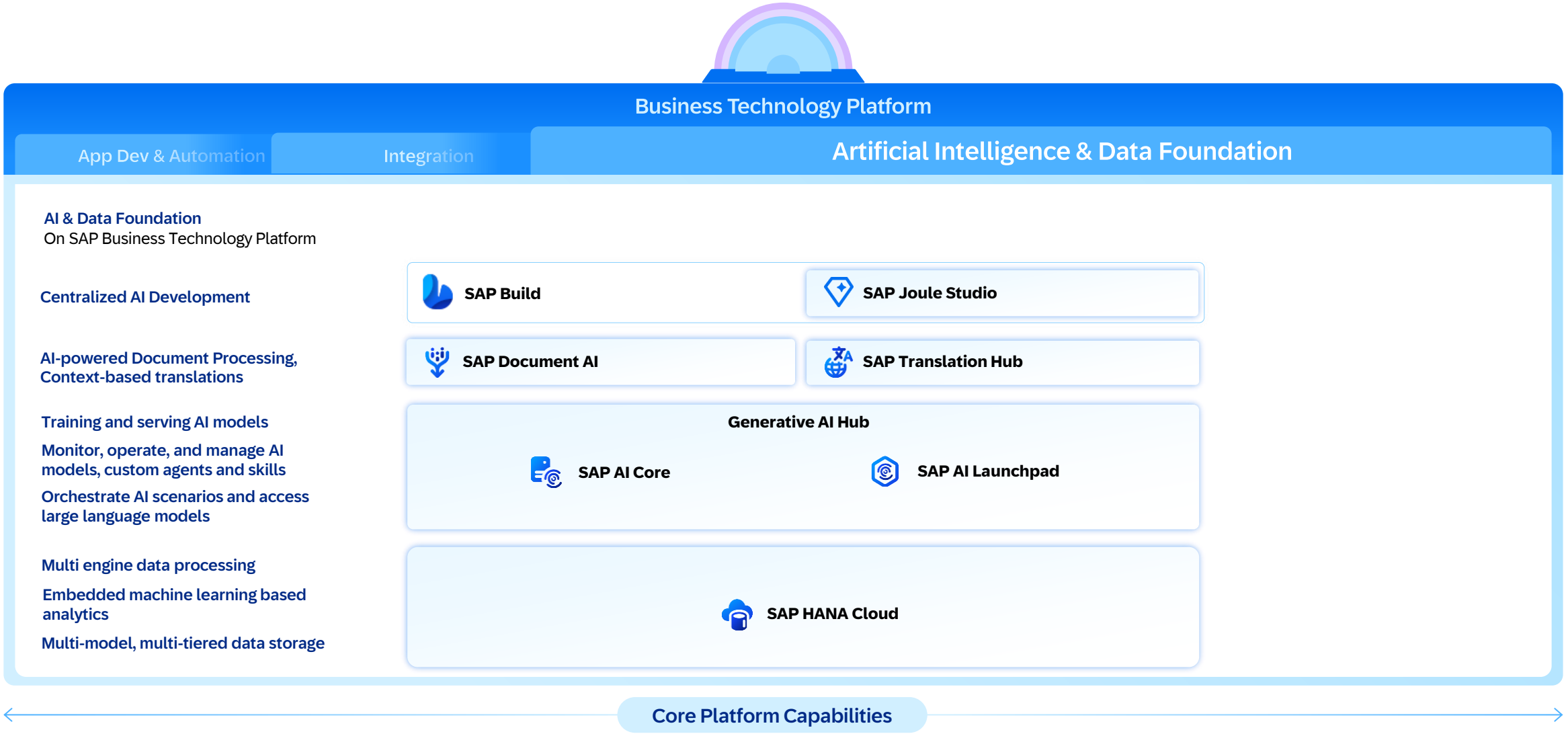


Orchestration Workflows



SAP BTP AI Cloud Services

Leverage a powerful set of products to build, extend and run custom AI solutions



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SAP BTP Core Platform Capabilities

Run secure and enterprise ready

The BTP Core Platform Capabilities is a business centric catalog of services designed to accelerate your integration and extension projects. This enables your business to quickly and effectively operate an automated end-to-end business processes across all business applications.

Setup your personalized cloud environment–with flexible runtime, persistency and application life-cycle management options tailored to your needs

Seamlessly connect your hybrid IT landscapes, integrating public, private, and on-prem systems for all your custom development, integrations, AI, and data scenarios

Stay safe and compliant with SAP BTP services providing highest security standards, built-in capabilities for authentication, data protection and privacy, or audit controls

Available on your infrastructure of choice, either managed by SAP or from one of our partner hyperscalers

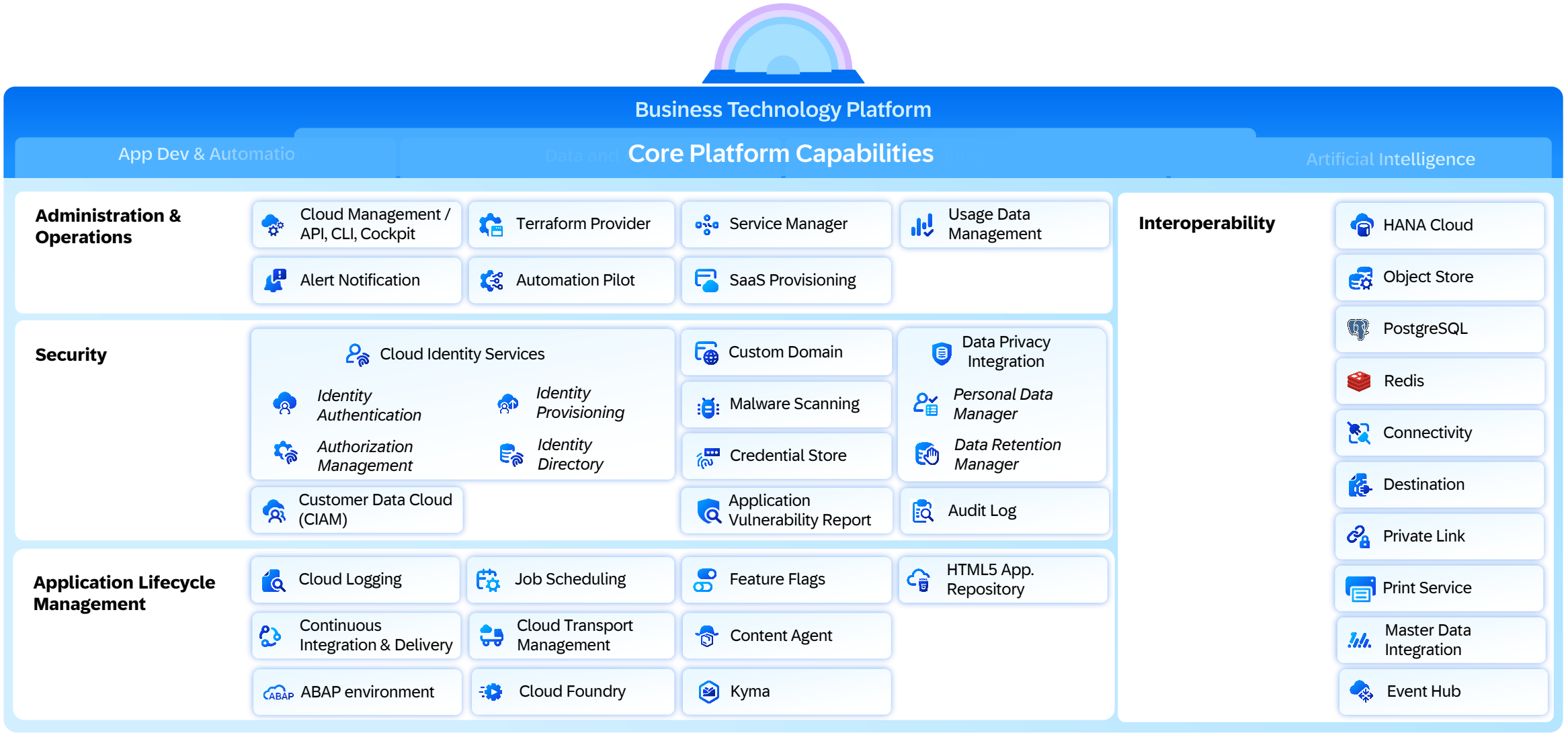
SAP BTP Core Platform Capabilities

Run secure and enterprise ready

Application lifecycle management	Security	Interoperability	Administration & Operations
→ End-to-end lifecycle management across dev, test, and production	→ Centralized identity, authentication, and authorization across applications	→ Universal connectivity to SAP and non-SAP systems without hyperscaler lock-in, across hybrid and multi-cloud landscapes	→ Centralized cloud, account, and service management to reduce overhead and maintain control across landscapes
→ Standardized CI/CD, transport, and deployment automation	→ Built-in security services to implement applications with security by design and default	→ Support for APIs, events, and asynchronous integration patterns	→ Unified monitoring and usage visibility across landscapes
→ Centralized application configuration, feature control, and runtime management	→ Central credential, encryption, and secrets management	→ Native integration with SAP data and application services	→ Automated provisioning, notifications, and operational workflows
→ Scalable provisioning and deprovisioning across cloud runtimes	→ Policy-driven audit logging, privacy controls, and compliance reporting	→ Flexible interoperability across data stores and runtimes	→ Operational consistency through shared admin tools and services

SAP BTP Core Platform Capabilities

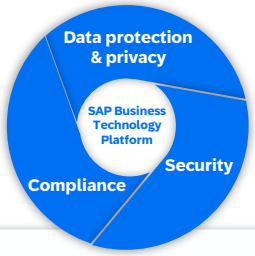
Run secure and enterprise ready



Agenda

- What Is SAP BTP?
- SAP BTP Technology Areas
  - Agent & Application Development
  - Integration
  - Artificial Intelligence & Data Foundation
  - Core Platform Capabilities
- **SAP BTP Multi-Cloud**
- Getting Started with SAP BTP

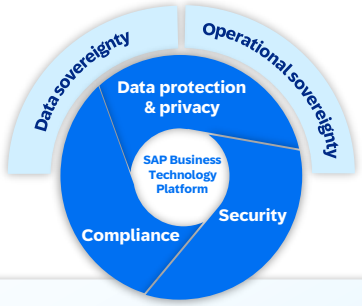
SAP BTP Deployment Options and Strategy



Public Cloud

A globally distributed, shared, multi-tenant architecture that operates at economies of scale to deliver innovation quickly and at best TCO.

- Access to broad range of locations around the globe
- Locations are based on infrastructure of global hyperscalers (AWS, Azure, GCP, AliCloud) and SAP (SCI)
- Robust security and compliance foundation
- Comprehensive data protection & privacy



...extended

To support country and industry specific requirements for dedicated customer segments, some public cloud locations fulfill additional regulations or certifications, e.g.

- EU-Access locations to secure data locality for personal data
- Meeting extended industry specific requirements for public cloud BTP locations in India, Israel, Korea, KSA, Switzerland, UAE...

Sovereign Cloud

Individual, sovereign BTP locations for security-hardened, regulated, and (where applicable) classified workloads for companies / industries requiring strict regulatory, security, and confidentiality controls.

- Complete sovereignty across data, operational, technical, and legal dimensions.

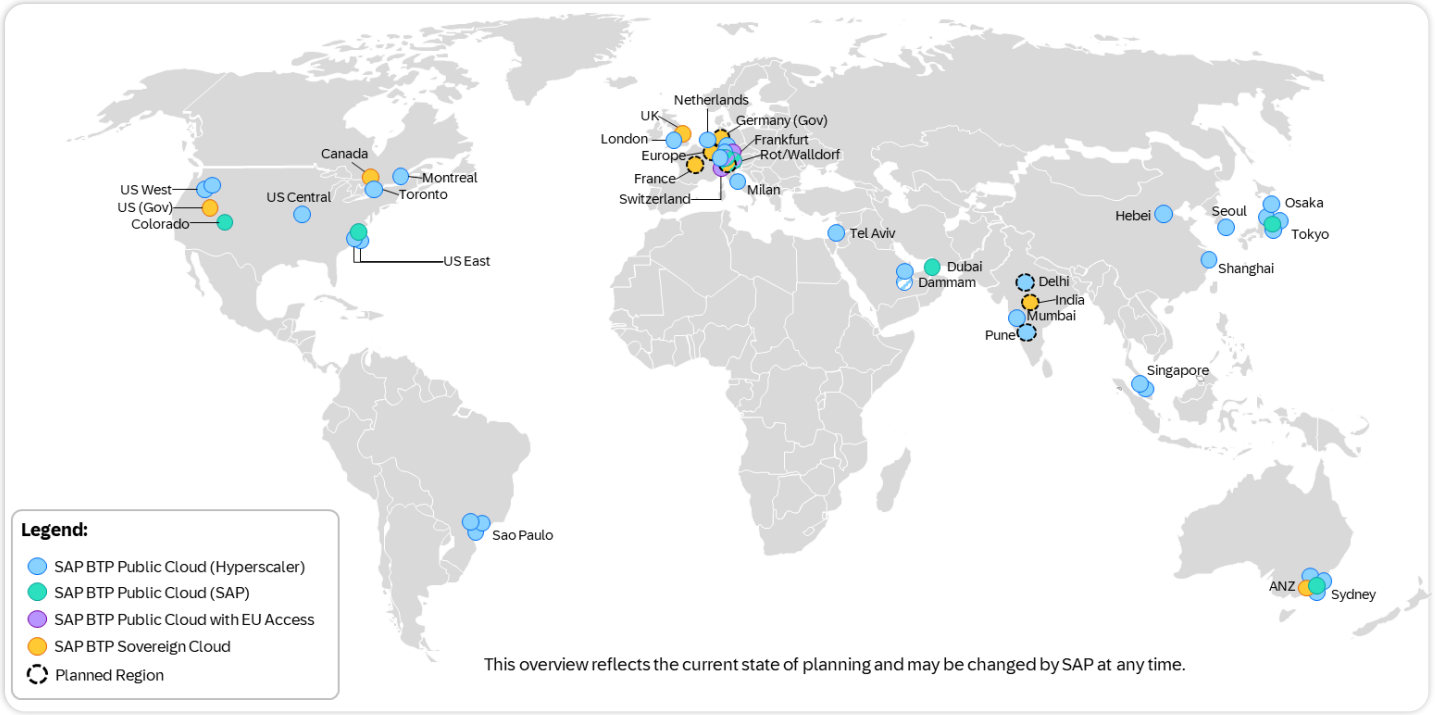
Sovereign Cloud onsite (SCOS)

Delivery and operations of SAP BTP with sovereign-cloud capabilities inside customers' data centers based on SAP's Cloud Infrastructure stack (SCI).

SAP BTP Build-Out and Data Center Strategy

Based on hyperscaler and SAP Cloud Infrastructure

- SAP BTP Multi-Cloud environment with global coverage of 40+ available public cloud locations
- Strategic infrastructure partnerships with the 4 leading global hyperscalers AWS, Azure, GCP and AliBaba
- SAP Cloud Infrastructure (SCI) as additional infrastructure choice with currently 7 locations available
- Sovereign Cloud offerings available for AUS/NZ, US, UK and Canada. Additional offerings for Europe and India planned for H2/2026



Discover the details of SAP's plans regarding BTP data center build-out on SAP Roadmap Explorer

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Where to Start?

Start your learning journey today

SAP BTP Guidance Framework

- Discover your compass for architecting, implementing, and operating solutions on SAP BTP
- Your central access point for:
  - Decision guides
  - Reference architectures
  - Methodologies
  - Best practices
  - And more

SAP Discovery Center

- Realize the use cases as a mission
- Be inspired by customer stories
- Explore reference architectures
- Analyze cost with an estimator
- Gain more insights into road maps and service plans.

SAP Learning

- Develop your SAP skills for free, anywhere, anytime, and at your own pace at learning.sap.com
- Access more than 100 SAP Learning Journeys for SAP BTP and more
- Start your journey with Discovering SAP Business Technology Platform

Onboarding resource center for SAP BTP

- Obtain access to your services
- Be empowered with proper governance and structure
- Highlight best practices and things to consider
- Gain helpful assets and resources for self-service guidance

Free tier and trial

- Find the best try-to-buy solution for your situation and role
- Start developing – check out the mission catalog
- Be productive with a simple upgrade with free-tier service plans
- Get support from SAP Community
- Access SAP Discovery Center

Road map

- Learn how road maps from SAP support the journey to the future SAP product portfolio
- Check out the latest road map for SAP BTP for upcoming platform innovations

Scan code to learn more

Connect, automate, and innovate

Let’s get started!

www.sap.com/btp

Thank you.

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