SAP Business Technology Platform
Accelerate Innovation by Unlocking the Potential of Your Business

Sadiq Manji, SAP BTP Solution Advisor
July 2023

THE BEST RUN **SAP**

Agenda

What is BTP and Why does it exist? (Hint: Clean Core…)

BTP Portfolio – Services and Use Cases

How to Get Started

Summary

Why SAP BTP?

Digital technology platforms are a key innovation enabler

Firms that have a flexible technology foundation and a business operating model that can change quickly **grow nearly three times faster than their industry average**.

Forrester

Navigating Today's & Tomorrow's Business Challenges

New office protocols and remote workforce

Halt or minimize non-critical spend

Disrupted supply chains and product demand
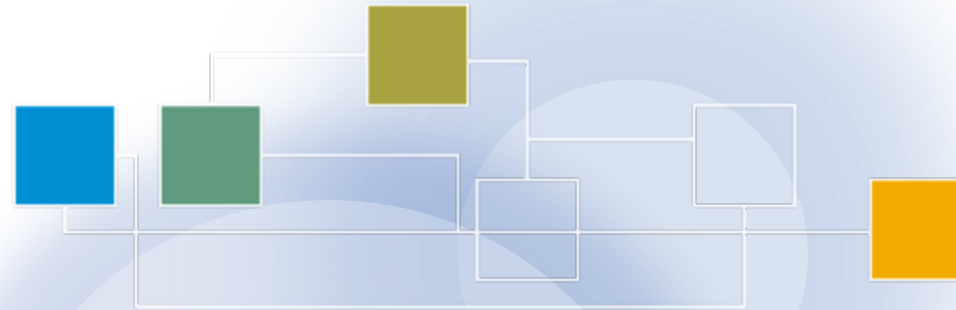
Real-time financial insight and control

Integrated and contextual customer experiences

Rapid transformation and innovation

IT Complexity – The Ugly Reality

Disconnected
Processes

Siloed
Applications
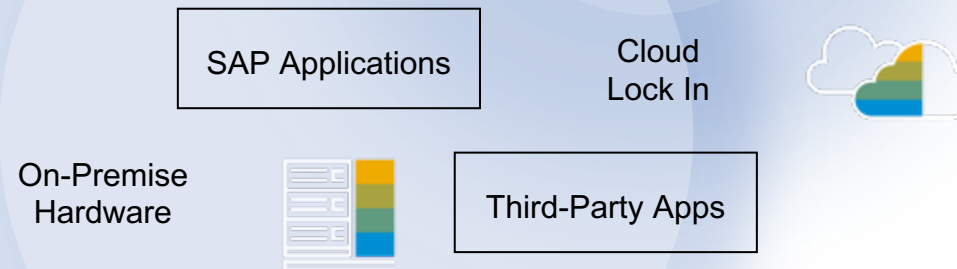
**Complex and
Inconsistent**
Technology Stack

SAP Applications

Cloud
Lock In

On-Premise
Hardware

Third-Party Apps

Dev Tools

Automation Tools

Cloud Services

Analytics
Tools

App Dev
Platforms

AI/ML
Services

Integration
Platforms

Process Management
Tools

Databases

Data Warehousing

The Spaghetti Mess
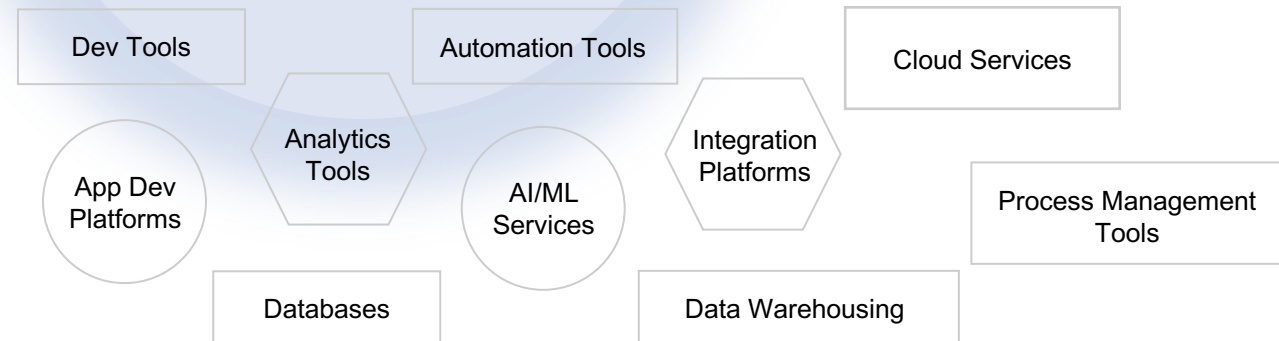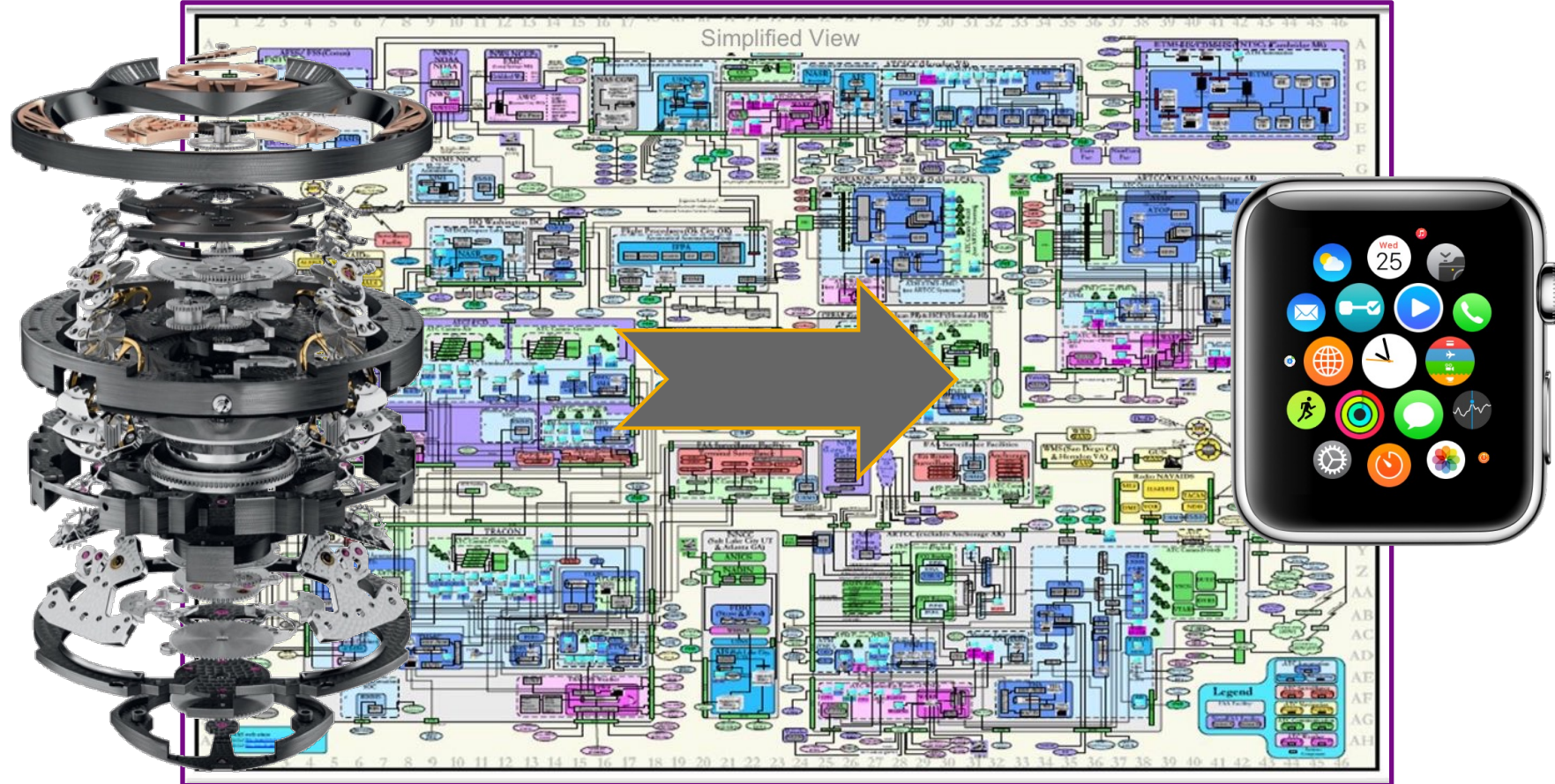
Need a new playbook for information technology

The New Innovation Playbook With The SAP Business Technology Platform

Network &
Spend Management

People
Engagement

Digital Core

Keep Core Systems Clean

Manufacturing &
Supply Chain

Customer
Experience

Innovative
Core

Analytics	**Database & Data Management**	**Automations**	**Business Technology Platform**	**Application Integration/Extension**	**Intelligent Technologies**

Innovation
Beyond
The Core

Innovate Beyond The Core

Blockchain

Machine
Learning

Internet Of
Things

Chatbots

Data
Intelligence

Advanced
Analytics

Mobile

Modern Extensibility Options for SAP S/4HANA

In-App Extensions ← — → **Cloud Extensions**

[1]
SAP S/4HANA Cloud, public edition, since the 2208 release for new customers (Embedded Steampunk*)
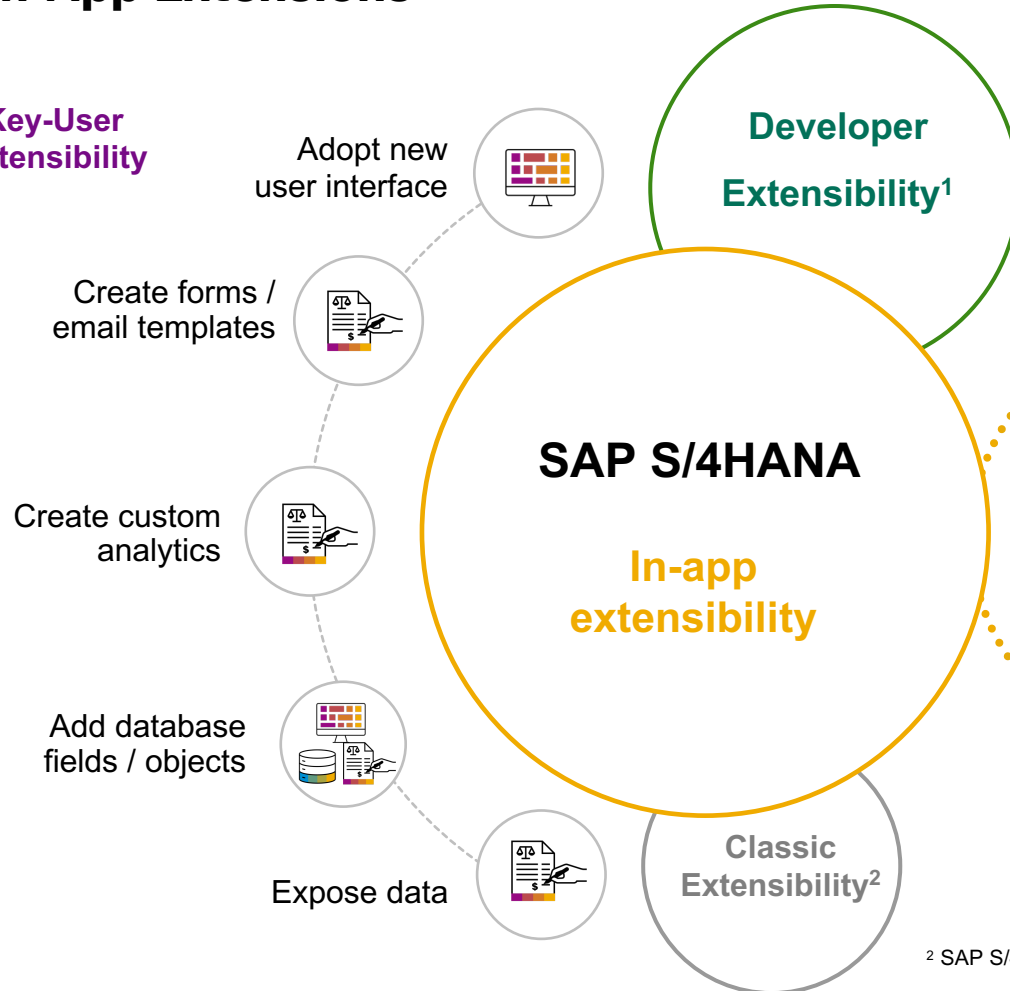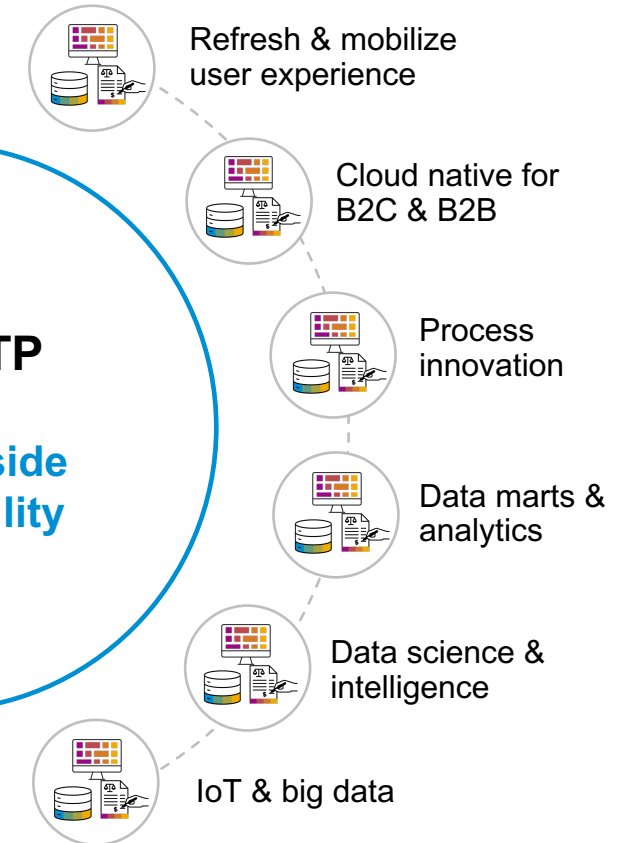SAP S/4HANA Cloud, private edition and on-premise, since the SAP S/4HANA 2022 release (Embedded Steampunk*)

Key-User Extensibility

Adopt new user interface

Create forms / email templates

Create custom analytics

Add database fields / objects

Expose data

Developer Extensibility[1]

SAP S/4HANA

In-app extensibility

Classic Extensibility[2]

Secured connectivity

← User Interface →
← Rules / Workflow →
← Process / Events →
Data Replication →

SAP BTP

Side-by-side extensibility

Refresh & mobilize user experience

Cloud native for B2C & B2B

Process innovation

Data marts & analytics

Data science & intelligence

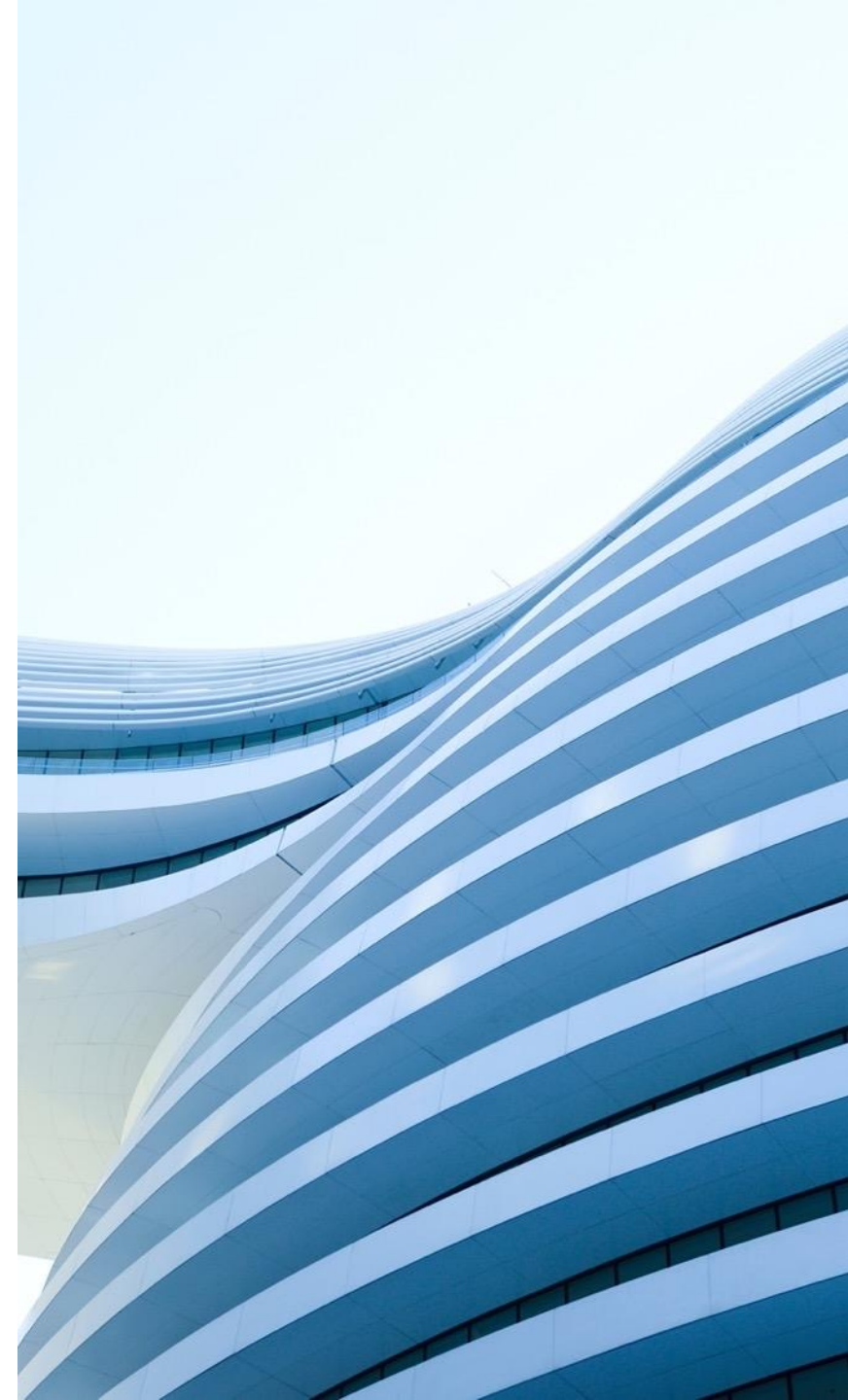IoT & big data

[2] SAP S/4HANA on premise only

What Is SAP BTP?

What Is SAP BTP?

The platform that brings together application development, automation, data management, analytics and planning, integration, and AI capabilities into one unified environment optimized for SAP applications

It is a comprehensive solution with:

- An intuitive, modern development environment for both, professional IT and citizen/business developers

- Prebuilt data models, integrations, workflows, app templates, and AI business services

- Self-service data discovery, modeling, planning and analytics, for business users in a governed environment

- Availability on Microsoft™ Azure™, AWS™, Google Cloud™ and Alibaba Cloud™

Enable every enterprise to become an intelligent, sustainable enterprise

AI-powered business processes

Ecosystem solutions

Spend management and business network

Human capital management

Industry-specific and sustainable

Customer relationship management

Cloud ERP

Business Technology Platform
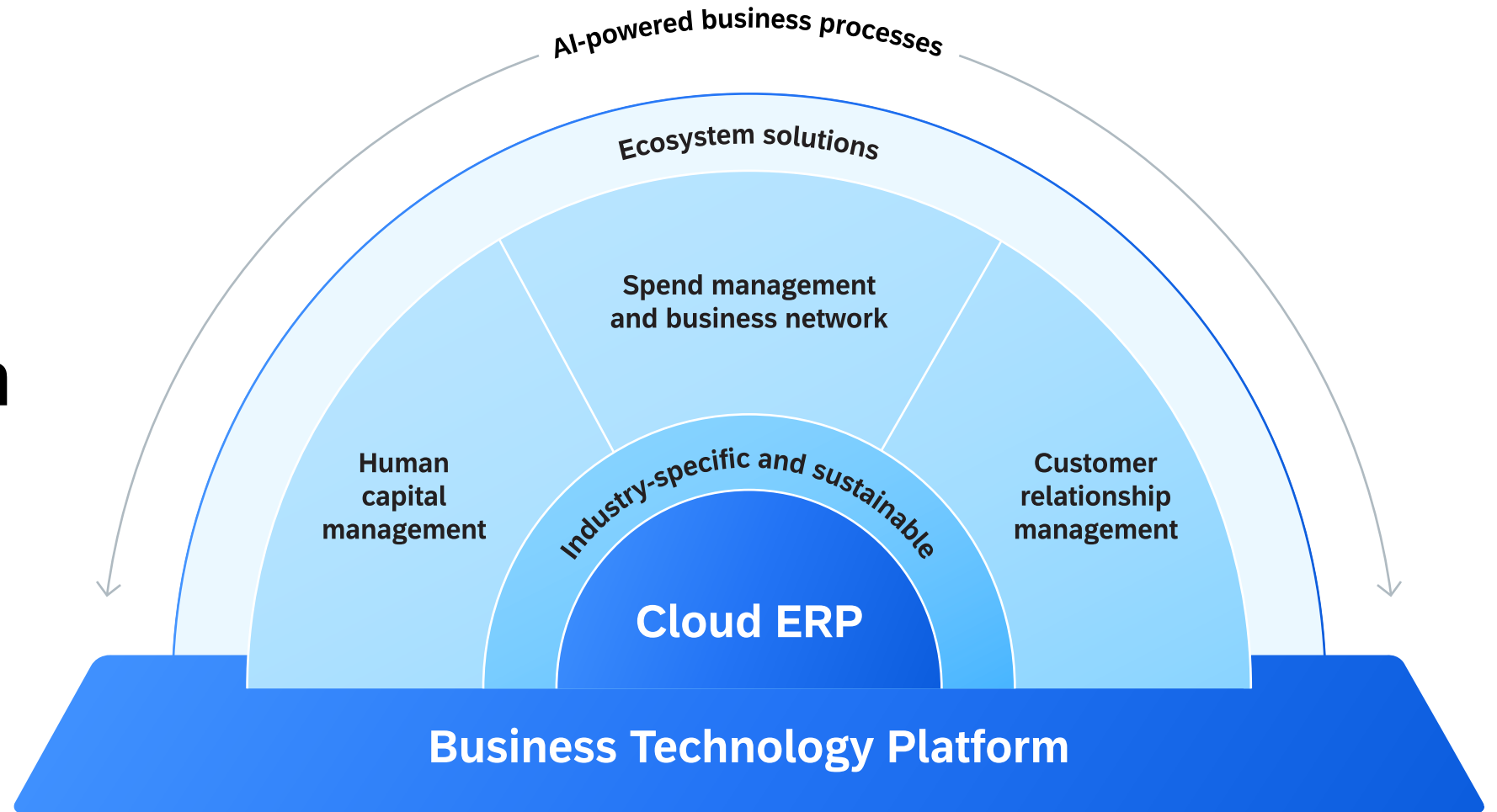
SAP BTP is the foundation of the Intelligent Sustainable Enterprise

AI-powered business processes

Ecosystem solutions

Spend management and business network

Human capital management

Industry-specific and sustainable

Customer relationship management

Cloud ERP

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	**Automation**	**Integration**	**Data and Analytics**	**AI**
Build and innovate	Optimize and automate	Integrate to Innovate	Give data purpose	Infuse intelligence

SAP BTP Cloud Capabilities

Secure & compliant
Open & flexible
Unified & simple

Broad ecosystem
Enterprise-grade & scalable
Business-centric

Business Technology Platform

| App Dev	Automation	Integration	Data and Analytics	AI
➔ Visual Low-Code / No-Code experience	➔ Workflow Management	➔ Process integration	➔ Database	➔ Pre-built business AI models
➔ Pro-code tooling	➔ Robotic Process Automation	➔ API led integration	➔ Data management	
➔ Digital experience	➔ Process monitoring & analytics	➔ Event based integration	➔ Data warehouse	➔ MLOps
➔ DevOps	➔ Automated document processing	➔ Data integration	➔ Analytics & planning	➔ Responsible AI

SAP Discovery Center – one-stop shop for all SAP BTP resources
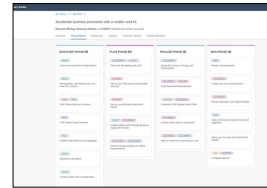
Explore BTP Use Cases & Services
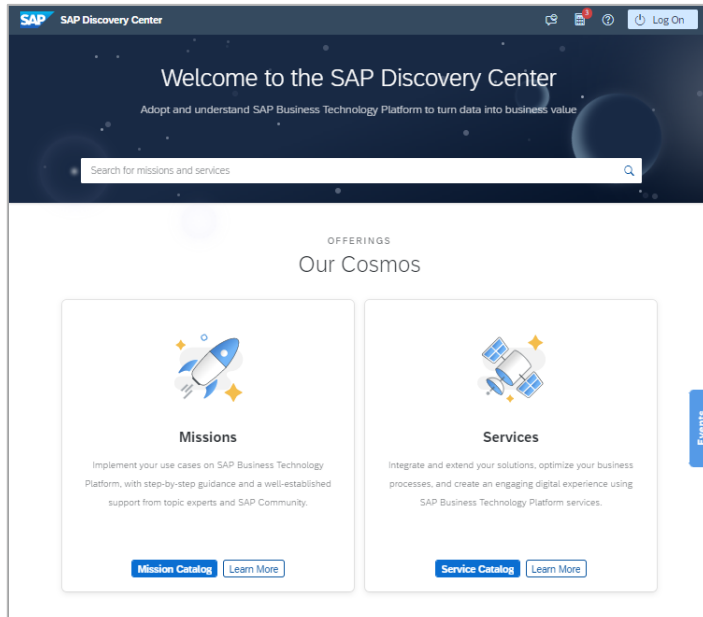
SAP Discovery Center

Find all SAP BTP related information
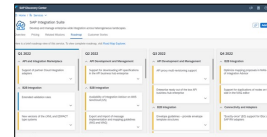- Use cases
- Free Tier Services

Realize the Use Cases as a Mission
- Step-by-step guidance and tutorials
- Structured project board with phases and tasks
- Collaboration with SAP Experts and Partners

Be Inspired by Customer Stories
Take a look at
other customers' success

**Discover the
B and T of SAP BTP
with a 360° view**

Adapt the Architecture
Adjust your architecture

**Gain More Insights
Into the Service(s)**
- Roadmaps
- Service plans

Analyze & Estimate Costs
Check pricing with the integrated estimator

Discovery Center Demo Video

Analyst Ratings – Beyond SAP …. enterprise wide

Gartner MQ - **Enterprise Integration Platform-as-a-Service**

SAP Integration Suite

- SAP Integration
- Master Data Integration
- API Business Hub
- Robotics Process Automation
- Enterprise Messaging

Gartner MQ - **Data Integration Tools**

SAP Data Intelligence

- Data orchestration, data pipelining,
- Data catalog
- Machine learning services with enhanced connectivity,
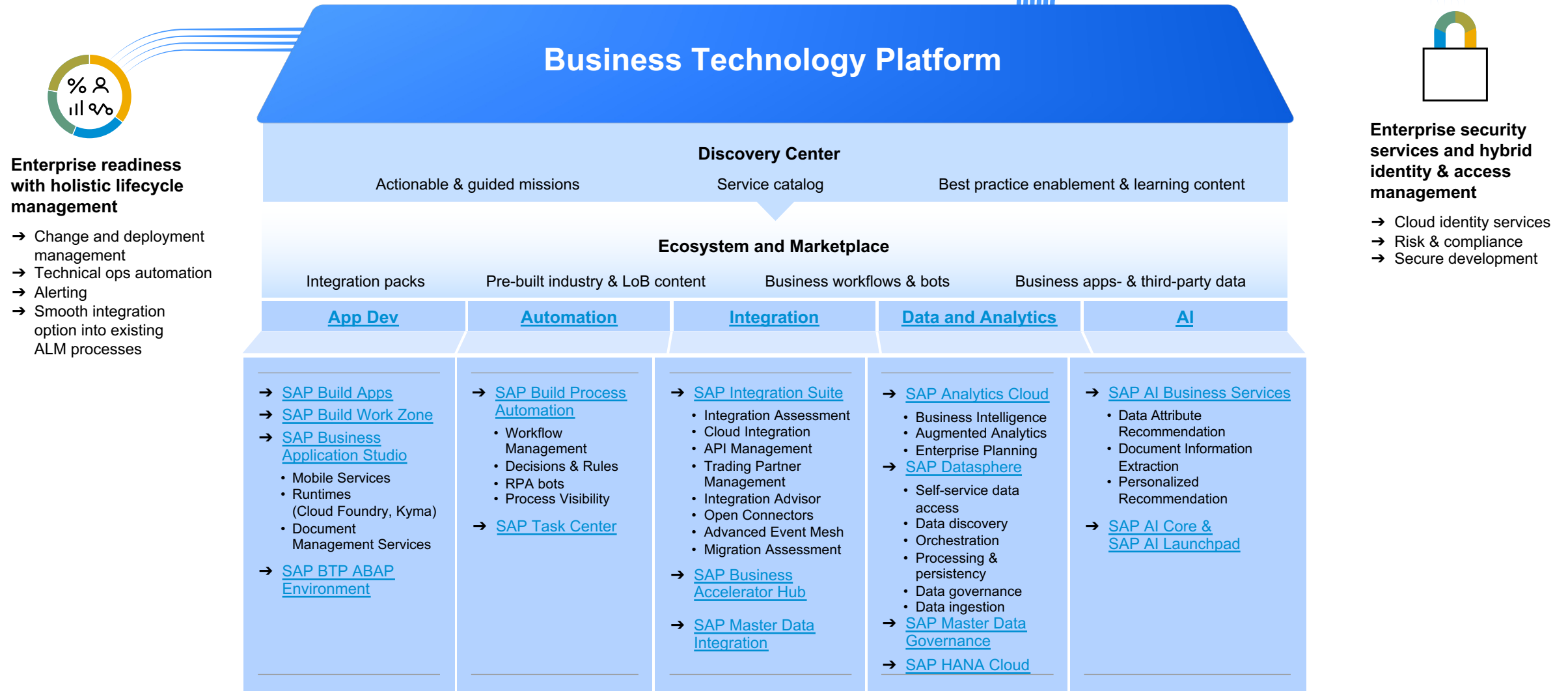- Data Governance

Gartner MQ - **Multiexperience Development Platforms**

SAP Extension Suite

- SAP Business Application Studio, next-generation web IDE
- MX Development Kit (MDK), low-code tools for building cross-platform native mobile apps;
- Fiori development tools;
- Conversational AI

Public

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SAP BTP Cloud Services

Business Technology Platform

Discovery Center

| Actionable & guided missions | Service catalog | Best practice enablement & learning content |

Ecosystem and Marketplace

| Integration packs | Pre-built industry & LoB content | Business workflows & bots | Business apps- & third-party data |

App Dev	**Automation**	**Integration**	**Data and Analytics**	**AI**
➔ SAP Build Apps ➔ SAP Build Work Zone ➔ SAP Business Application Studio • Mobile Services • Runtimes (Cloud Foundry, Kyma) • Document Management Services ➔ SAP BTP ABAP Environment	➔ SAP Build Process Automation • Workflow Management • Decisions & Rules • RPA bots • Process Visibility ➔ SAP Task Center	➔ SAP Integration Suite • Integration Assessment • Cloud Integration • API Management • Trading Partner Management • Integration Advisor • Open Connectors • Advanced Event Mesh • Migration Assessment ➔ SAP Business Accelerator Hub ➔ SAP Master Data Integration	➔ SAP Analytics Cloud • Business Intelligence • Augmented Analytics • Enterprise Planning ➔ SAP Datasphere • Self-service data access • Data discovery • Orchestration • Processing & persistency • Data governance • Data ingestion ➔ SAP Master Data Governance ➔ SAP HANA Cloud	➔ SAP AI Business Services • Data Attribute Recommendation • Document Information Extraction • Personalized Recommendation ➔ SAP AI Core & SAP AI Launchpad

Enterprise readiness with holistic lifecycle management

➔ Change and deployment management
➔ Technical ops automation
➔ Alerting
➔ Smooth integration option into existing ALM processes

Enterprise security services and hybrid identity & access management

➔ Cloud identity services
➔ Risk & compliance
➔ Secure development

Integration
Integrate Everything to Innovate Now

Integrate everything to accelerate innovation with a single, robust solution for multiple integration modes and enterprise-grade capabilities.
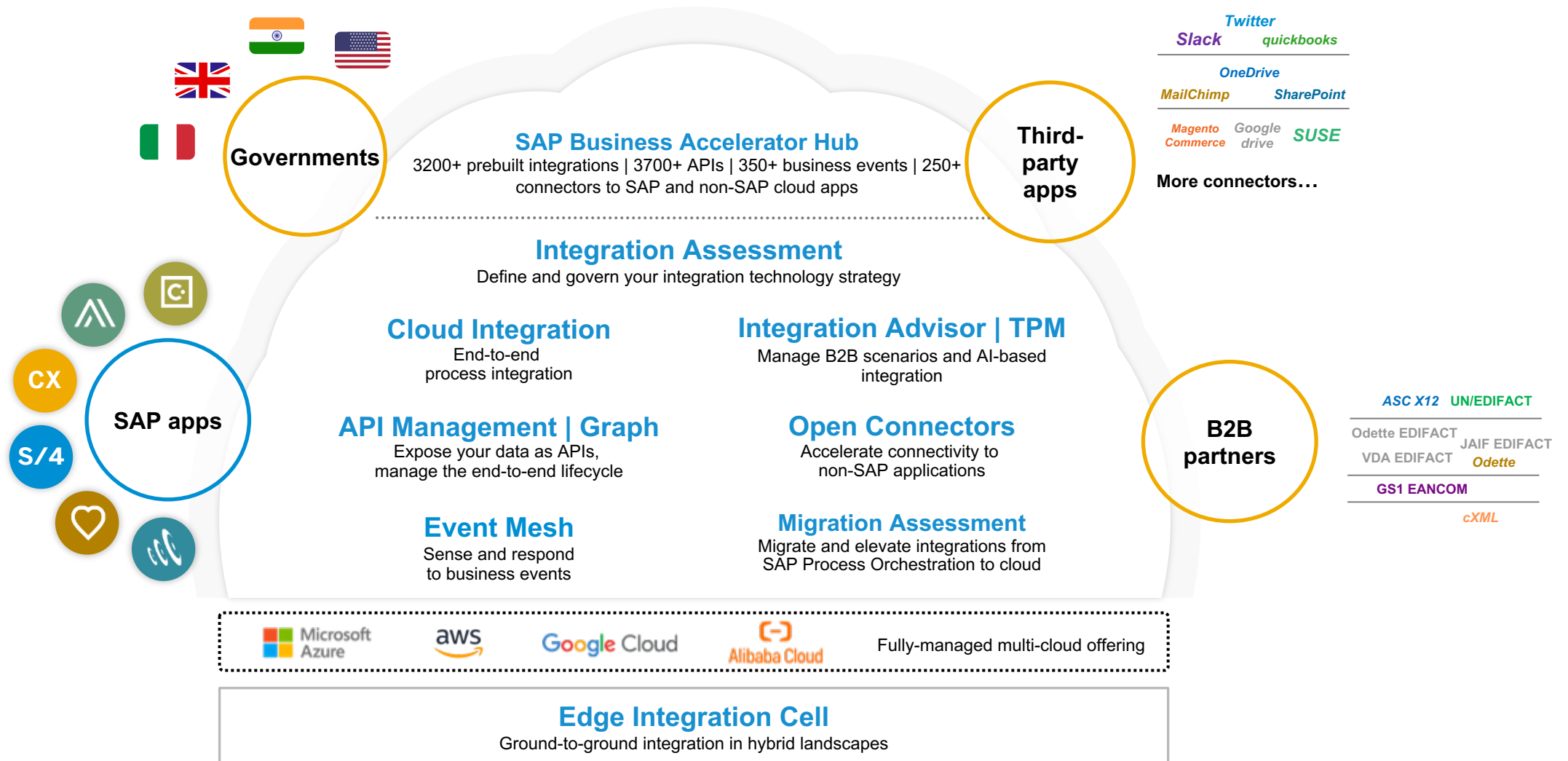
Accelerate connectivity for faster time to value with thousands of proven integrations built and maintained by SAP, while applying a systematic approach to integration that includes built-in best practices.

Connect everyone with automated processes in real-time providing situational awareness, scale, and high-performance, regardless of organizational boundaries.
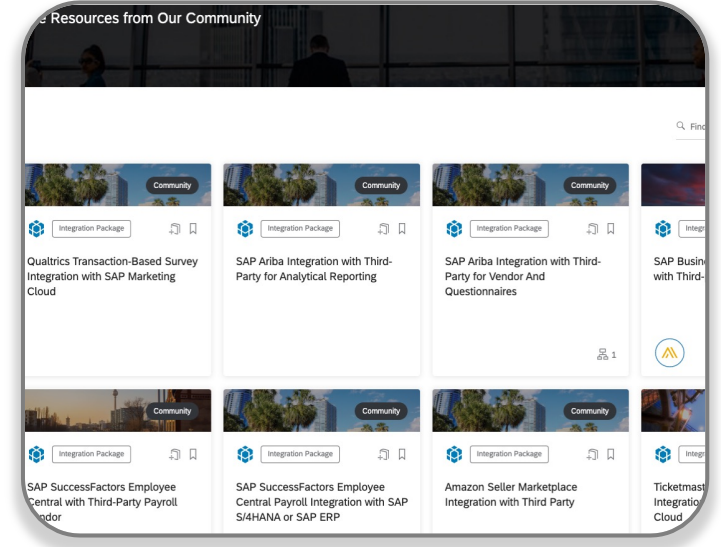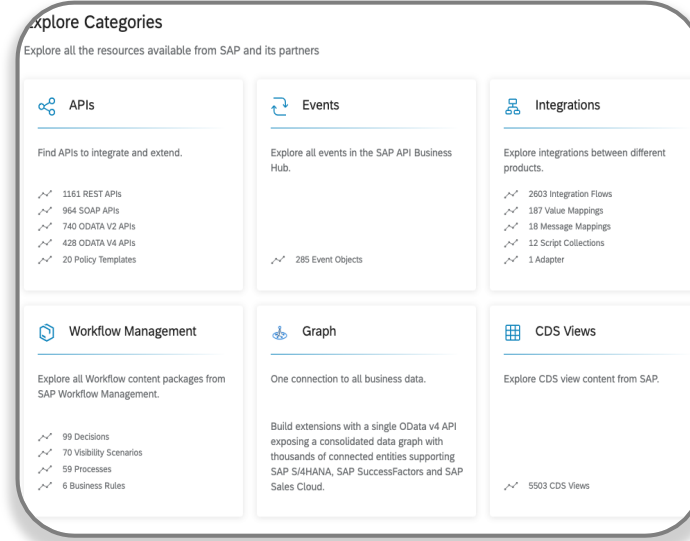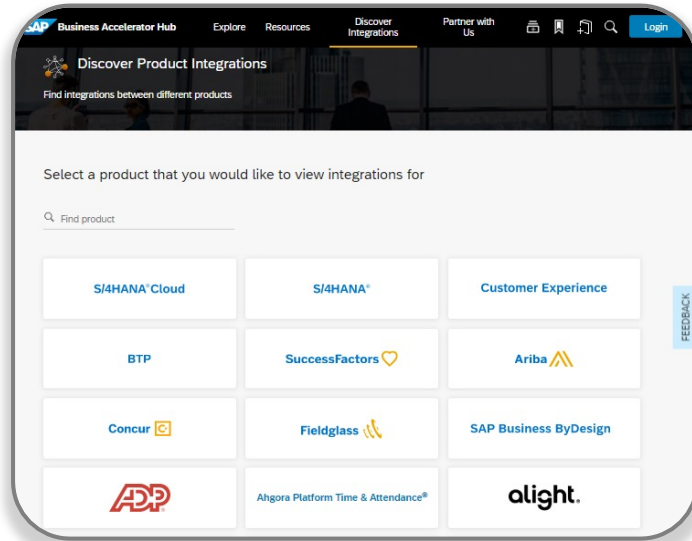
SAP Integration Suite

SAP's hybrid integration platform for the Intelligent Enterprise

Governments

SAP Business Accelerator Hub
3200+ prebuilt integrations | 3700+ APIs | 350+ business events | 250+ connectors to SAP and non-SAP cloud apps

Third-party apps

Twitter
Slack　　*quickbooks*

OneDrive
MailChimp　　*SharePoint*

Magento Commerce　*Google drive*　*SUSE*

More connectors…

Integration Assessment
Define and govern your integration technology strategy

Cloud Integration
End-to-end
process integration

Integration Advisor | TPM
Manage B2B scenarios and AI-based integration

SAP apps

API Management | Graph
Expose your data as APIs,
manage the end-to-end lifecycle

Open Connectors
Accelerate connectivity to
non-SAP applications

B2B partners

ASC X12　*UN/EDIFACT*

Odette EDIFACT　*JAIF EDIFACT*
VDA EDIFACT　*Odette*

GS1 EANCOM

cXML

Event Mesh
Sense and respond
to business events

Migration Assessment
Migrate and elevate integrations from
SAP Process Orchestration to cloud

Microsoft Azure　　aws　　Google Cloud　　Alibaba Cloud　　Fully-managed multi-cloud offering

Edge Integration Cell
Ground-to-ground integration in hybrid landscapes

Profit from quick time-to-value through proven prebuilt integrations

Central catalog: SAP Business Accelerator Hub @ api.sap.com

Value = 5x acceleration, 10x savings

Public catalog
to discover, try out, and consume prebuilt integrations and connectors easily to increase speed of implementation of integration and extensions

Content categories
3.200+ Prebuilt integrations
~3.700 APIs
350+ Business event
250+ Connectors to SAP & non-SAP

Content providers
- SAP LoB solutions, industries
- Partners: 460+ integration flows
- Community: 60+ integration flows

Automation
Optimize and Automate

Automate Visually: Simplify automation with drag-and-drop and AI capabilities

Integrate Seamlessly: Develop faster using pre-built workflows, bots and connectors for SAP and non-SAP systems

Collaborate Securely: Enable fusion team development in a secure and agile fashion

Automate visually
Simplify process and task automation

SAP Build Process Automation
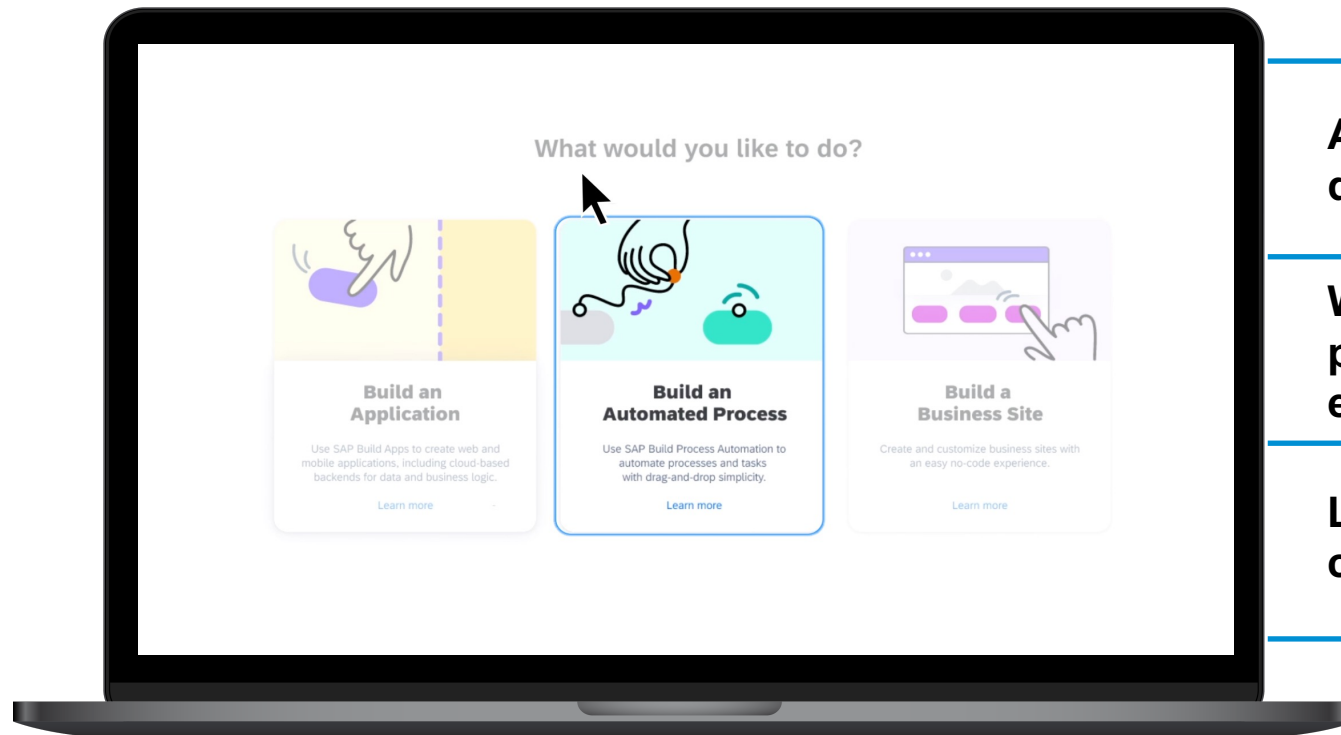
Automate processes and tasks with drag-and-drop simplicity

Workflow management, robotic process automation (RPA), and embedded AI in a single solution
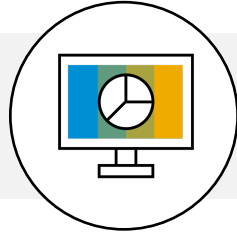
Leverage process expertise without coding
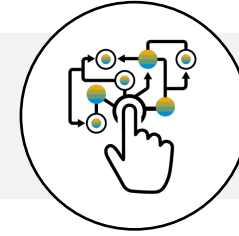
SAP Build Process Automation use cases

Get inspired, start today

Automate manual, repetitive tasks

Enable "lights-out" automation of high-volume process steps

Automatically aggregate data from multiple systems

| Lead to cash	Capital expenditure approvals	Invoice approvals	Account opening
Hire to retire	Relocation	Visa permits	HR employee self-services	Management of contingent workers
Design to operate	Master data record updates	Document approvals	Lead-generation workflows
Source to pay	Return-order process	Incident management	Procurement data collection
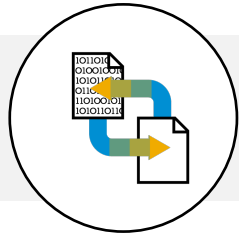
Digitalize manual and semi-automated processes
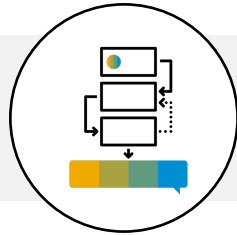
Extend and adapt standard application flows
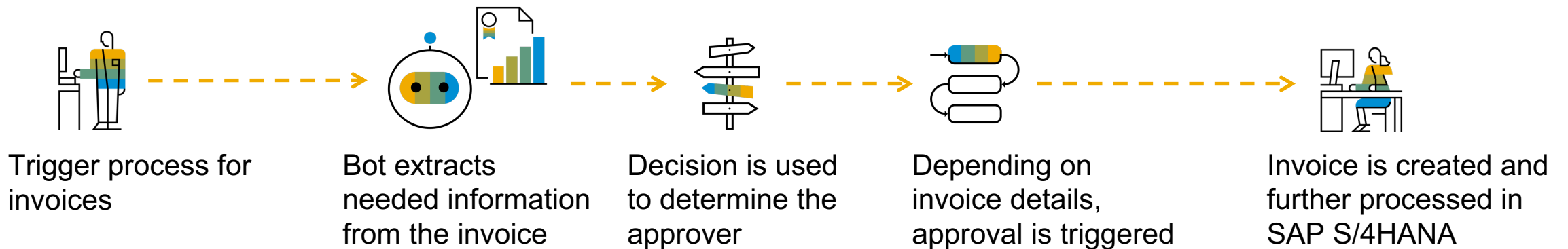
Automate comprehensive cross-application workflows

77% of the world's transactions run through SAP systems

#1 ERP | #1 Procurement | #1 Supply Chain | #1 Human Capital | #2 CRM

Example: Automate paper-based invoice posting in SAP S/4HANA

SAP Build Process Automation

SAP S/4HANA

Trigger process for invoices

Bot extracts needed information from the invoice

Decision is used to determine the approver

Depending on invoice details, approval is triggered

Invoice is created and further processed in SAP S/4HANA


An example scenario, showing how to improve the efficiency of invoice processing for further posting to your transactional system with SAP Build Process Automation.

Throughout the **mission** participants will create a process, combining forms, automation, embedded Document Information Extraction service, and approval flow including rules on how to select the approver.

Check out the SAP Discovery Mission

+ **sample project available** in the store for the creation of this invoice approval process

Create an Invoice Approval Process
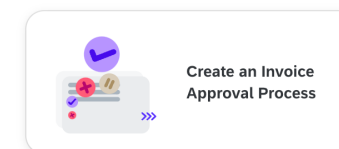
Application Development
Build and Innovate

Simplicity without compromise with tools **for developers of all skill levels**
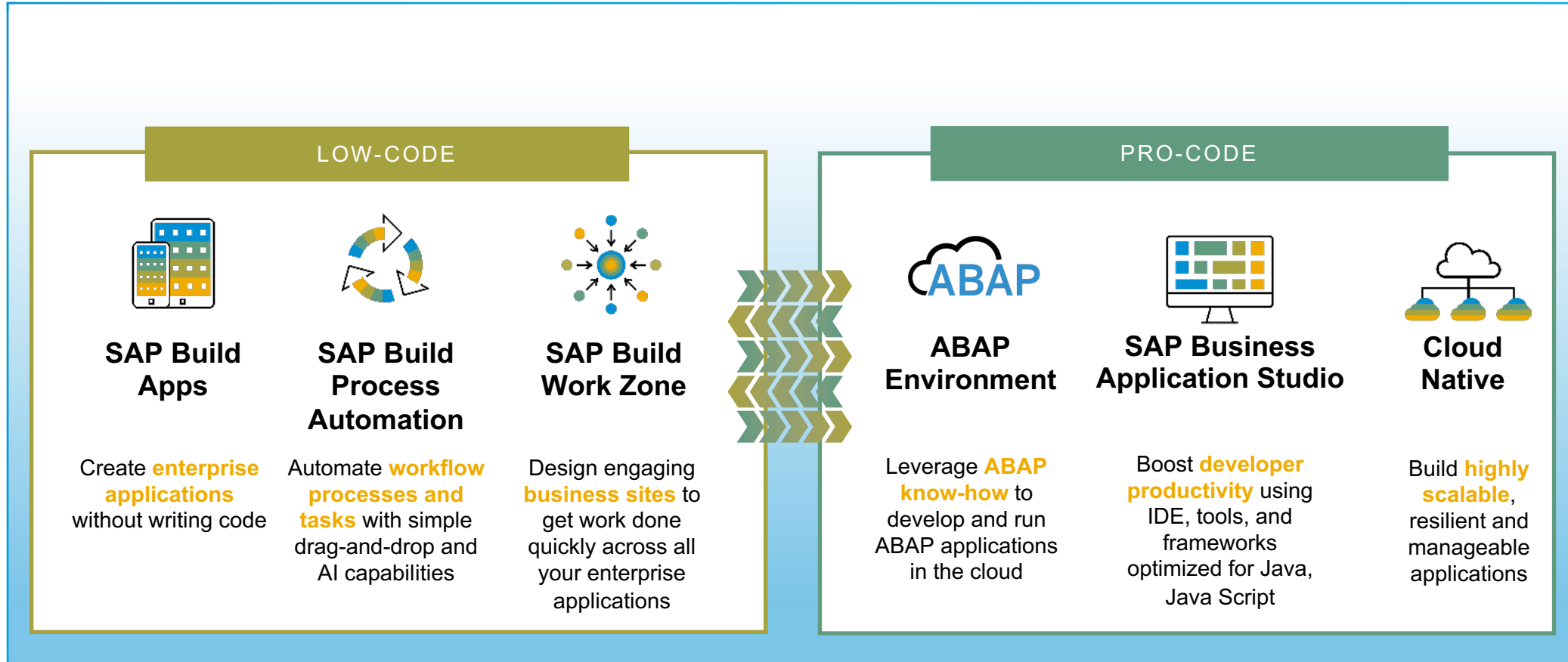
Augment SAP applications faster with the industry's broadest set of pre-built components

Deliver personalized experiences through unmatched integration and connectivity with SAP and third-party applications

For business and professional developer

With low-code and pro-code tools

LOW-CODE

SAP Build Apps

Create **enterprise applications** without writing code

SAP Build Process Automation

Automate **workflow processes and tasks** with simple drag-and-drop and AI capabilities

SAP Build Work Zone

Design engaging **business sites** to get work done quickly across all your enterprise applications

PRO-CODE

ABAP Environment

Leverage **ABAP know-how** to develop and run ABAP applications in the cloud

SAP Business Application Studio

Boost **developer productivity** using IDE, tools, and frameworks optimized for Java, Java Script

Cloud Native

Build **highly scalable**, resilient and manageable applications

SAP Build Work Zone

Data and Analytics
Give Data Purpose

Deliver meaningful data to every data consumer - with business context and logic intact - with a **business data fabric**
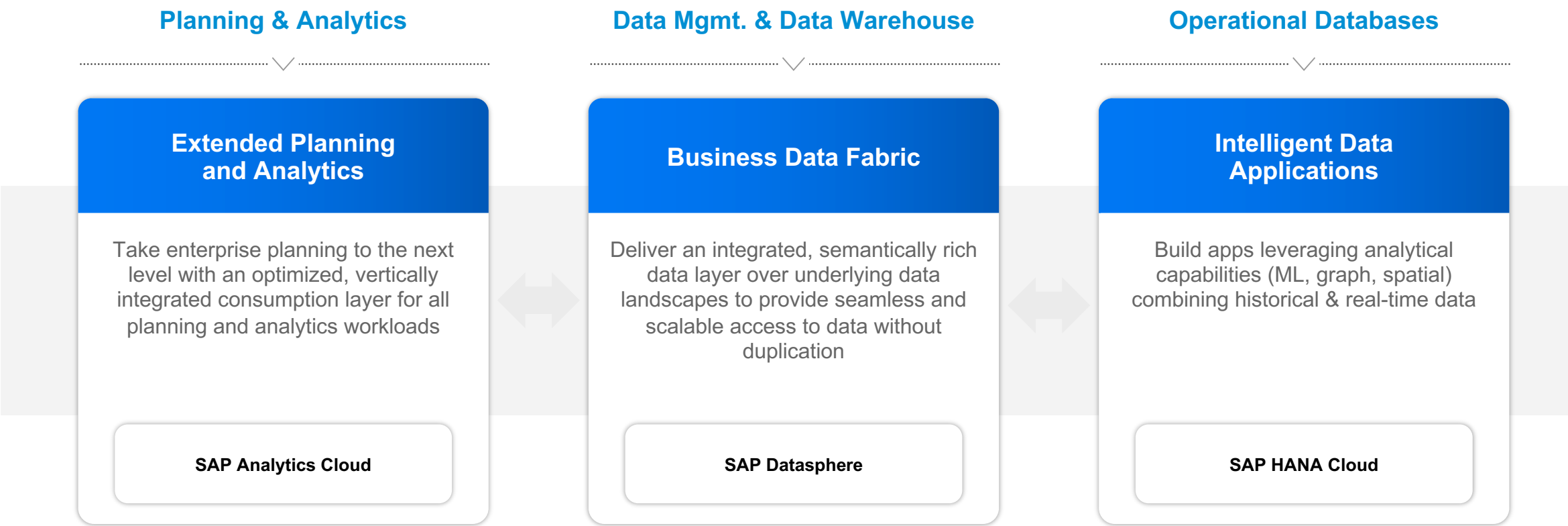
Leverage **pre-built content packages with unified SAP data models**, transformations, calculations and analyses for a variety of industry- and line of business specific use cases

Align strategic, financial, and operational planning with collaborative tools for budgeting, forecasting, and analysis to drive better business results

SAP Data and Analytics

Equip your organization to deliver meaningful data to every data consumer with business context and logic intact—across any cloud infrastructure

Planning & Analytics

Data Mgmt. & Data Warehouse

Operational Databases

Extended Planning and Analytics

Take enterprise planning to the next level with an optimized, vertically integrated consumption layer for all planning and analytics workloads

SAP Analytics Cloud

Business Data Fabric

Deliver an integrated, semantically rich data layer over underlying data landscapes to provide seamless and scalable access to data without duplication

SAP Datasphere

Intelligent Data Applications

Build apps leveraging analytical capabilities (ML, graph, spatial) combining historical & real-time data

SAP HANA Cloud

AI
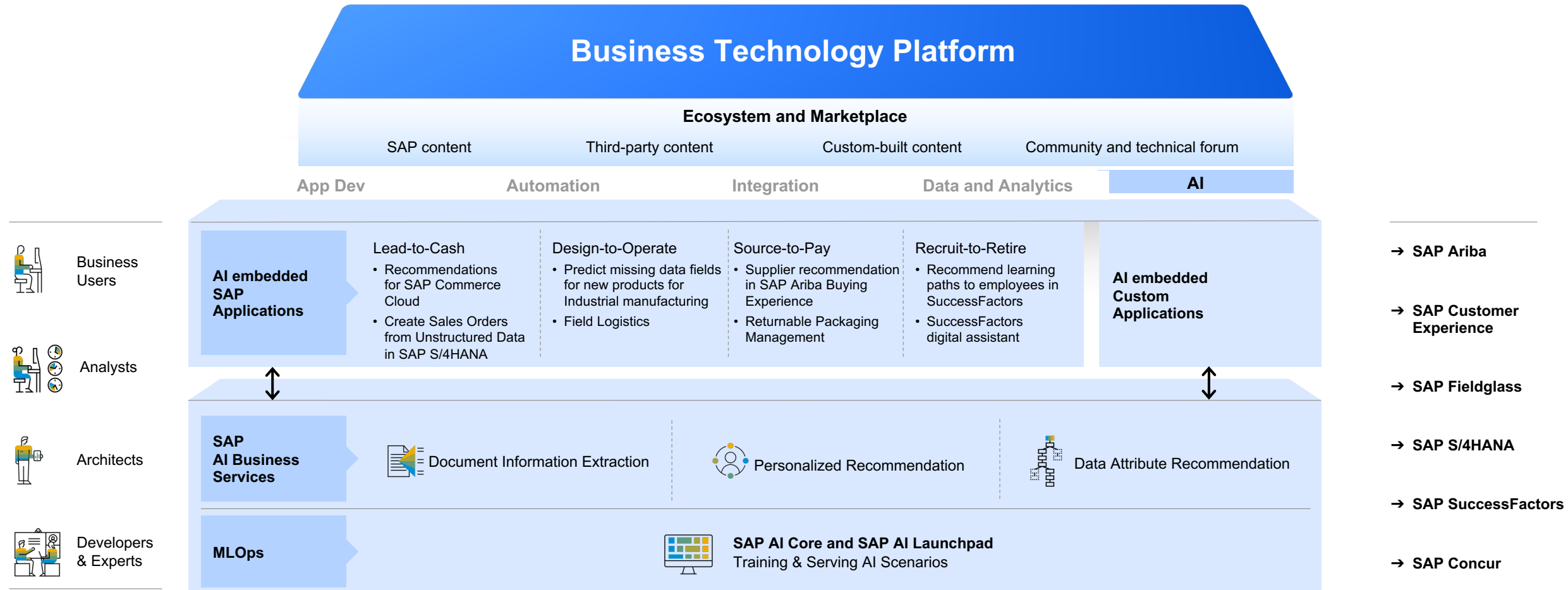## *Infuse intelligence into business processes*

Optimize, automate and re-imagine end-to-end business processes across all LoBs and industries by consuming AI services embedded natively into SAP applications and services.

Extend business processes by deploying AI pre-trained and custom models built for business use cases, across all SAP applications.

Run AI responsibly – transparent and compliant according to SAP's guiding principles and SAP AI Ethics Policy, while maintaining full visibility and control of AI assets across your landscape.

Artificial Intelligence

Business Technology Platform

Ecosystem and Marketplace

| SAP content | Third-party content | Custom-built content | Community and technical forum |

| App Dev | Automation | Integration | Data and Analytics | **AI** |

Business Users

Analysts

Architects

Developers & Experts

AI embedded SAP Applications

Lead-to-Cash
- Recommendations for SAP Commerce Cloud
- Create Sales Orders from Unstructured Data in SAP S/4HANA

Design-to-Operate
- Predict missing data fields for new products for Industrial manufacturing
- Field Logistics

Source-to-Pay
- Supplier recommendation in SAP Ariba Buying Experience
- Returnable Packaging Management

Recruit-to-Retire
- Recommend learning paths to employees in SuccessFactors
- SuccessFactors digital assistant

AI embedded Custom Applications

SAP AI Business Services

Document Information Extraction

Personalized Recommendation

Data Attribute Recommendation

MLOps

SAP AI Core and SAP AI Launchpad
Training & Serving AI Scenarios

→ **SAP Ariba**

→ **SAP Customer Experience**

→ **SAP Fieldglass**

→ **SAP S/4HANA**

→ **SAP SuccessFactors**

→ **SAP Concur**

Want to Try out SAP BTP?

Sign up for a <u>PAYG account</u>* and start today with our free tier service plans!

Need ideas? Check out the "Free Tier" missions on <u>SAP Discovery Center</u>

Access free-tier service plans
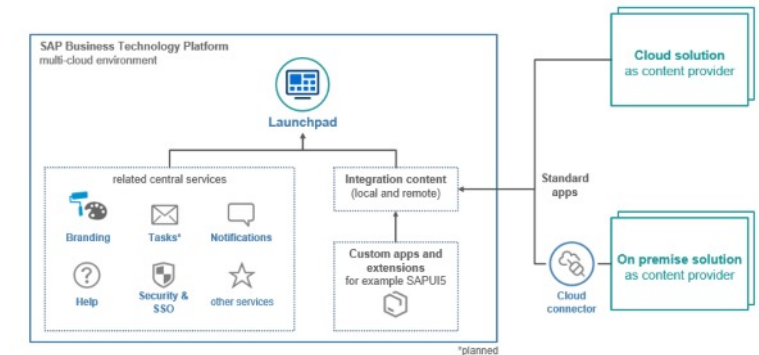
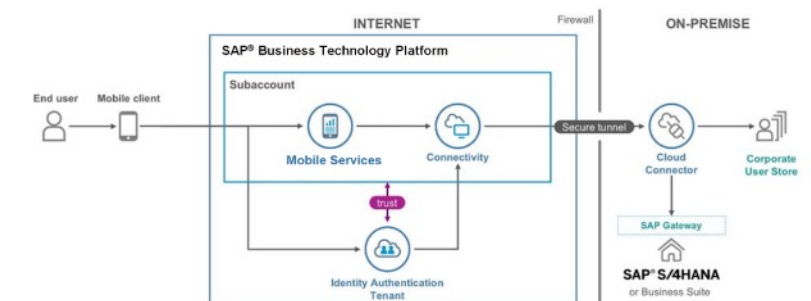Start developing – check out missions

Go productive with a simple upgrade

Get support from the entire SAP community

Establish a central point of access on SAP Business Technology Platform
high-level architecture

Empower field technicians by building native apps using SDKs

→ <u>Free tier services</u>   → <u>Free tier missions</u>   → <u>SAP Community for SAP BTP</u>

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

Our platform helps you respond to modern demands

SAP BUSINESS TECHNOLOGY PLATFORM

Innovation
Cutting-edge technologies drive value and differentiation

Automation
Go beyond standardized processes to truly automated processes

Sustainability
Manage sustainability data across the value chain

Business Centricity
Pre-built content, use cases, and data from SAP applications

Flexibility
Run in the region of your choice with the model that suits you best

Agility
Intuitive, modern development for IT and citizen developers

Thank you.

Contact information:

Sadiq Manji, SAP BTP Solution Advisor
Sadiq.Manji@sap.com