



SAP Business Technology Platform

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About ABAP Workbench
- SAP Mentor (2012 -)

Agenda

SAP BTP Overview

Architecture

Application Development & Automation

Integration

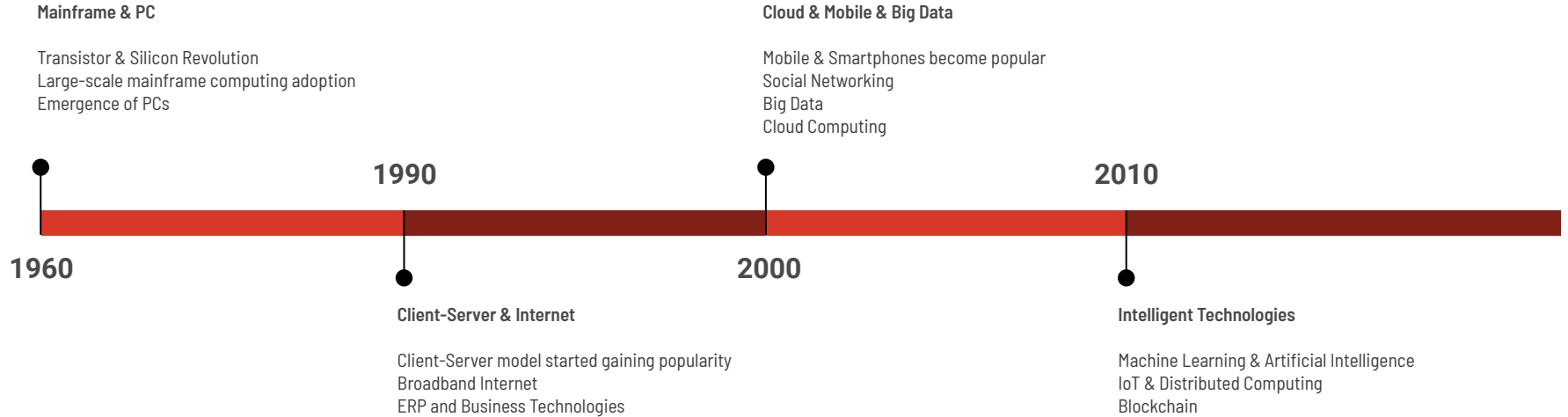
Data & Analytics

Artificial Intelligence

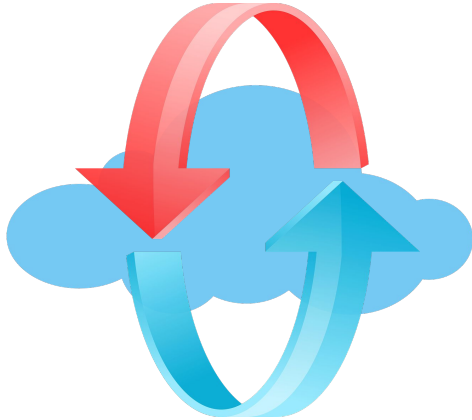
Security & Connectivity

SAP BTP Overview

Moving to the Cloud



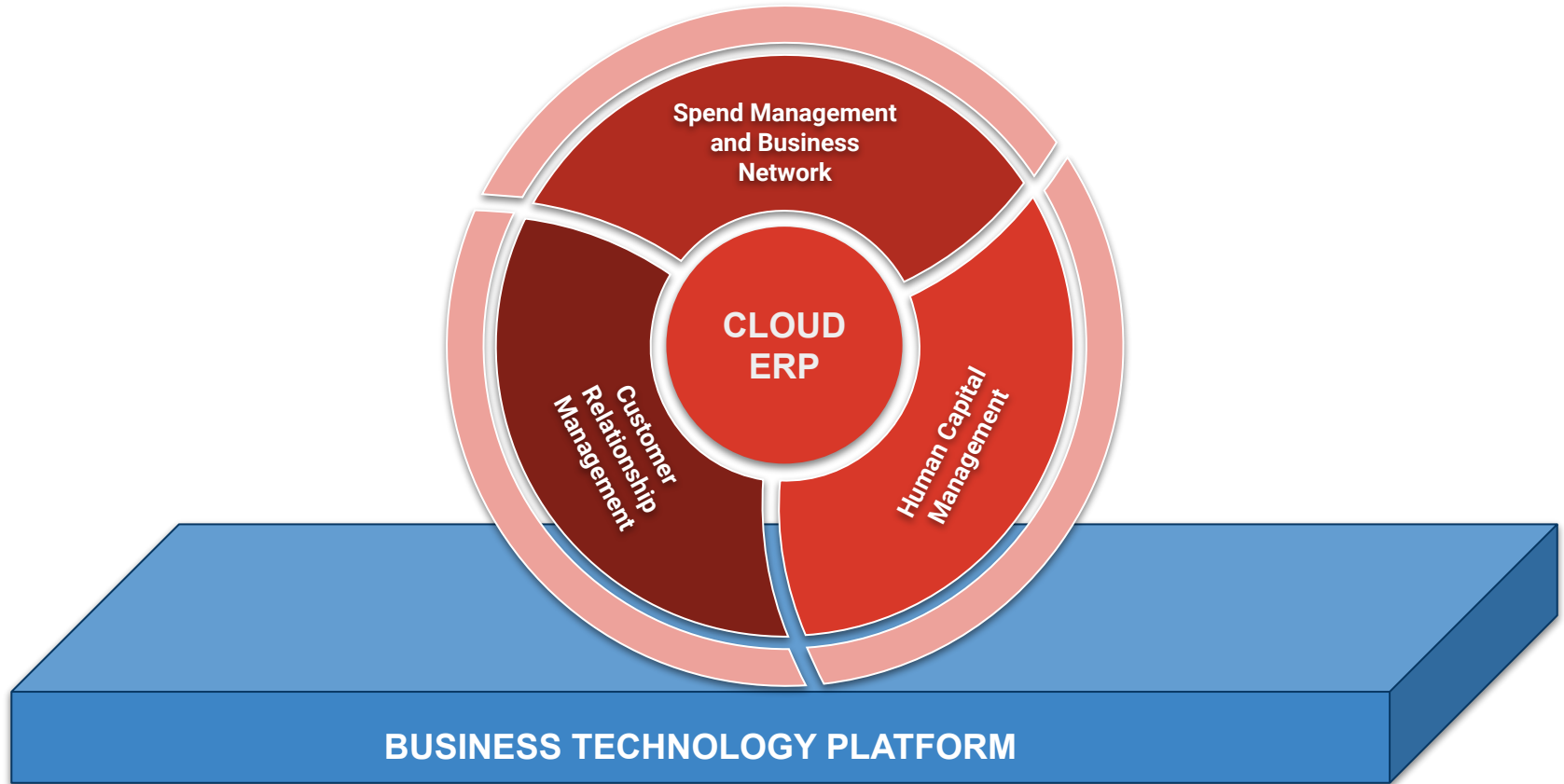
On-Premise & Cloud & Hybrid Model



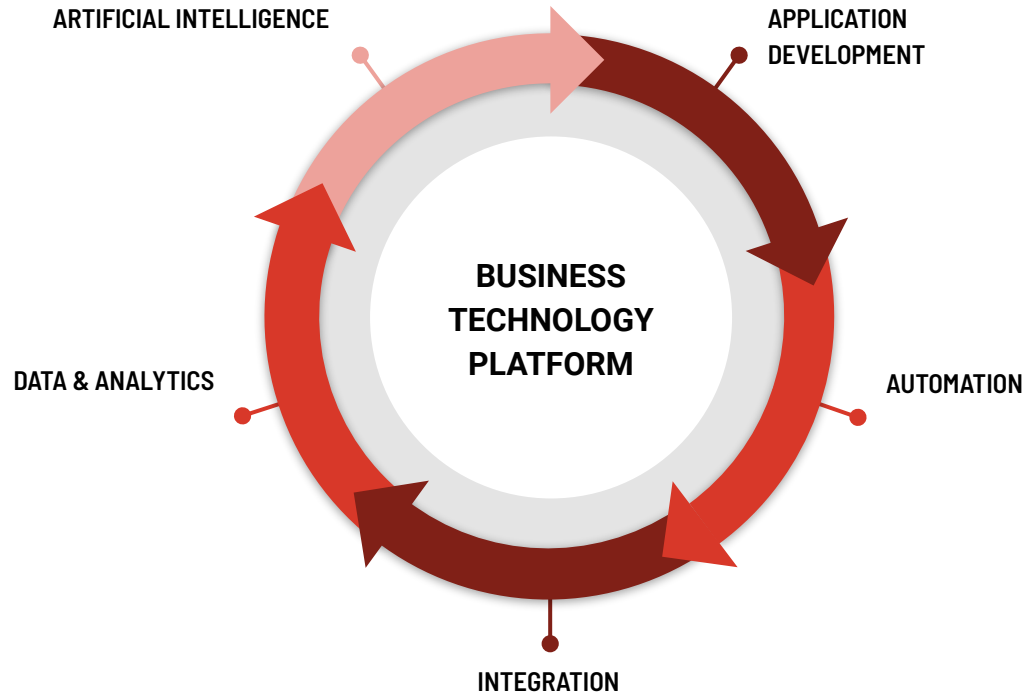
The latest innovations in cloud infrastructure enable customers to be more flexible in designing their IT landscapes, spanning from on-premises to a public and/or private cloud platforms.

The hybrid cloud approach has gained remarkable popularity due to its ability to achieve a seamless integration between on-premise and pure-cloud solutions, providing organizations with the optimal choice of control, scalability, and cost-effectiveness.

SAP's Intelligent Enterprise Strategy



SAP Business Technology Platform



SAP Business Technology Platform

Application Development

Runtime Platforms
(CF, Kyma, ABAP)
Development Tools (CAP;RAP)
SAP Build Apps / WorkZone
DevOps

Automation

SAP Build Process
Automation

Integration

SAP Integration Suite
Advanced Event Mesh

Data & Analytics

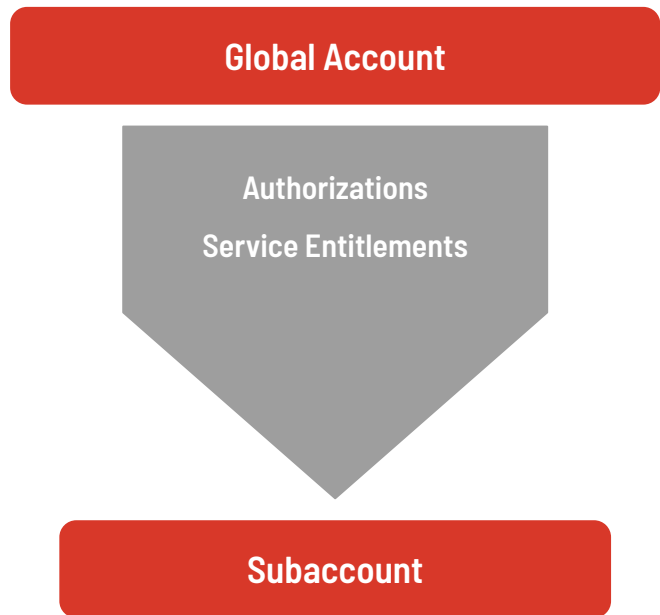
SAP HANA Cloud
SAP Analytics Cloud
SAP Datasphere
SAP Master Data
Governance
SAP Data Intelligence
Cloud

Artificial Intelligence

SAP AI Launchpad
SAP AI Core
SAP AI Business Services

SAP BTP Architecture

Account Model



Each customer is assigned to a Global Account where they can create subaccounts to manage and run different services and integrations even in different regions. It is possible to assign different security and service configurations for each subaccount. This provides flexibility in designing and implementing different configurations for custom requirements.

BTP - Subaccounts

Global Account

Directory

Subaccount

Subaccount

Directory

Subaccount

Subaccount

Subaccount

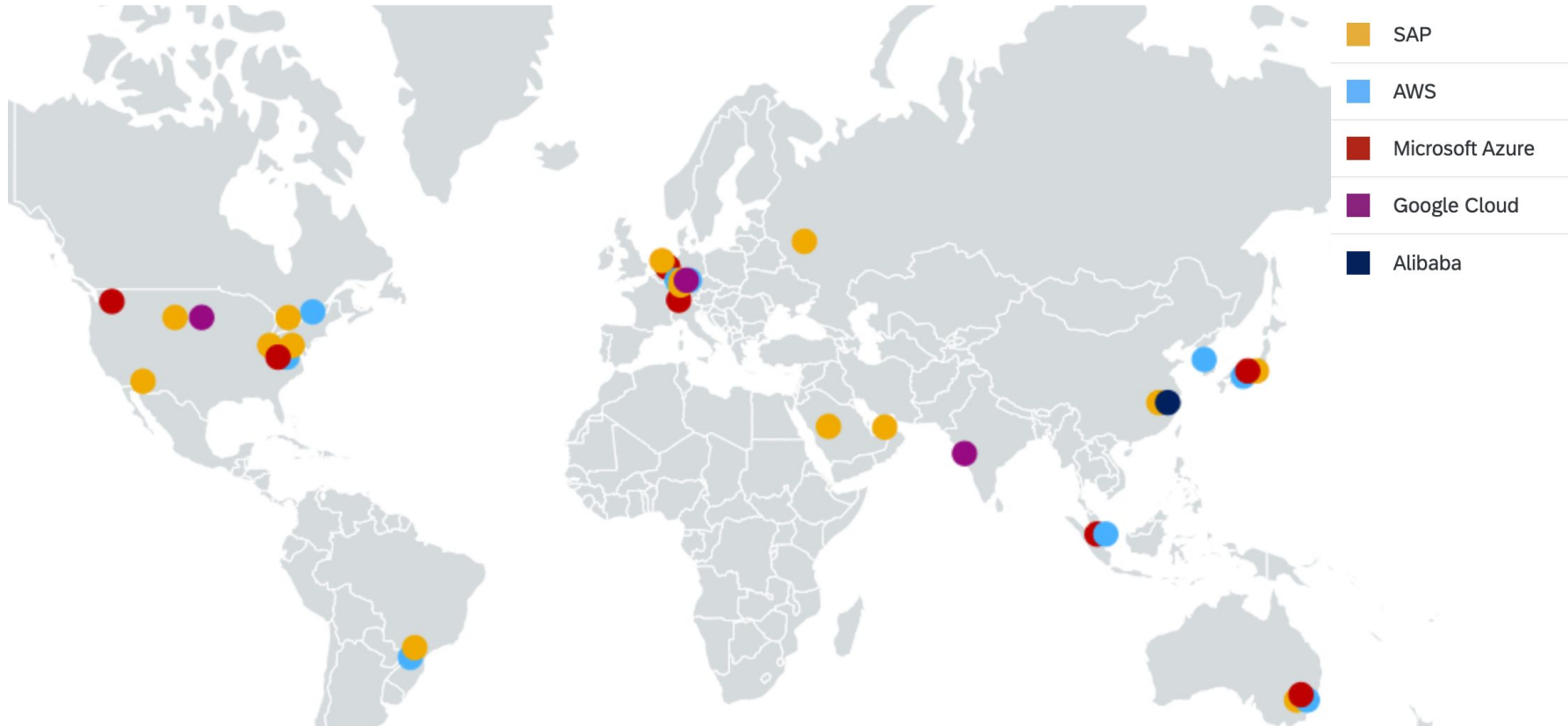
Directory

Subaccount

Subaccount

Subaccount

BTP - Regions



BTP - Regions



SAP



AWS



Microsoft Azure



Google Cloud



Alibaba

Every subaccount can be assigned to a different region.

Not all BTP services are available on every region.

Check service availability for regions on

SAP Discovery Center - Service Catalog

<https://discovery-center.cloud.sap/viewServices>

SAP Discovery Center - Service Catalog

The screenshot displays the SAP Discovery Center interface, specifically the 'Services' section. The header bar includes the SAP logo and 'SAP Discovery Center' text. Below the header, there are navigation links for 'Home' and 'Services'. The main heading 'Services' is followed by a descriptive sentence: 'Integrate and extend your solutions, optimize your business processes, and create an engaging digital experience using SAP Business Technology Platform services.' Below this, there is a search bar with the placeholder text 'Search for SAP Business Technology Platform services'. To the right of the search bar are three dropdown menus for 'Commercial Model' (set to 'All - 5'), 'Provider' (set to 'All - 5'), and 'Regions' (set to 'All - 27'). A 'Reset' button is located to the right of these filters. The main content area is titled 'All Services (94)' and features a grid of service cards. On the left side of the grid, there are three vertical navigation menus: 'Categories' (with 'All' selected), 'Solutions', and 'Capabilities'. Each service card includes an icon, a title, a brief description, and a 'FREE TIER' or 'ALWAYS FREE' badge. The services shown are: ABAP environment, Advanced Event Mesh, Agent Activation for Dynatrace Service, Agency, Alert Notification, Application Autoscaler, Application Logging Service, and Audit Log Service. Each card also has a small icon in the bottom right corner representing a document or list.

SAP Discovery Center

Home / Services

Services

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

Search for SAP Business Technology Platform services

Commercial Model: All - 5

Provider: All - 5

Regions: All - 27 X

Reset

Categories

- All
- New & Featured
- Always Free & Free Tier Services

Solutions

- AI
- Application Development and Automation
- Data and Analytics
- Extended Planning and Analysis
- Foundation / Cross Services
- Integration

Capabilities

- Database and Data Management
- Developer Productivity
- DevOps
- Mobile
- Process Automation

All Services (94)

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.

Agency

Develop and run Agency 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

Retrieve the audit logs for your subaccount.

ALWAYS FREE

<https://discovery-center.cloud.sap/viewServices>

SAP BTP Cockpit

SAP BTP Cockpit

Choose your global account:

G1

Global Account 1 ⓘ
Subdomain: globalaccount1

G2

Global Account 2 ⓘ
Subdomain: globalaccount2

G3

Global Account 3 ⓘ
Subdomain: globalaccount3

G4

Global Account 4 ⓘ
Subdomain: globalaccount4

Can't find your global accounts? [View global accounts in feature set A](#) ⓘ

☐ Remember my selection

Logged in as **Abdulbasit Gulsen** (abdulbasit@gulsen.net)

Can't find your global account? [Log in with a different user](#)

Continue

<https://<region>.cockpit.btp.cloud.sap/cockpit>

<region> : emea, aper, amac

Each URL redirects to the same BTP Cockpit home page, which lists all Global Accounts assigned to the user logged in with the Universal ID.

SAP Universal ID

<https://account.sap.com/core/create/register>

Create your SAP Universal ID

We just need some basic personal information and a password for your SAP Universal ID.

Already have a SAP Universal ID? [Link accounts to my SAP Universal ID](#)

Last Name

Country/Region

SAP Universal ID E-mail

The e-mail address will be used as your new login

Password

Re-enter Password

☐ I acknowledge that I have read the [Terms Of Use](#).

BTP Trial

Welcome to Your Personal Trial

Hi Abdulbasit,

Before you continue, we need to finalize your trial account creation.
Choose the region that's closest to you:



US East (VA) - AWS



Singapore - Azure

Create Account

SAP BTP Trial

<https://account.hanatrial.ondemand.com>



Welcome to Your Personal Trial

We will now set up your account. This process can take a minute.

Region: US East (VA) - AWS

Global Account:

Subaccount: trial

Org:

Space: dev

Continue

BTP Trial

The trial account is for personal exploration, non-productive testing and evaluation of the services.

- The trial period is 90 days.
- The trial account is suspended if it is not used for 30 days but the data will not be deleted.
- Once the trial period is over, the trial account is deleted.
- A new trial account can be created after it is deleted.



BTP Free Tier

<https://www.sap.com/products/technology-platform/pricing.html>

<https://discovery-center.cloud.sap/viewServices?category=freetierservices®ions=all&commercialModel=payg>

Pay-As-You-Go for SAP BTP

USD 0.00

- Contract duration between 3 and 12 Month
- Auto-Renewal

[See buying conditions](#)

Start Now

[Terms and Conditions](#)

Features:

- ✓ Build small-scale apps paying only for services used.
- ✓ Use for proof-of-concepts and small-scale pilots.
- ✓ Pay only for what you use beyond free limits.
- ✓ Includes access to [free tier model](#) for learning, prototyping, and testing.
- ✓ Estimate your usage and evaluate your monthly cost. Access the "Local Estimate" in the [SAP Discovery Center](#) by clicking in the edit pencil icon.

The screenshot displays the SAP BTP Services Discovery Center interface. At the top, there's a navigation bar with 'Home' and 'Services'. Below it, the 'Services' section is active, showing a search bar and filters for 'Commercial Model' (Pay-As-You-Go), 'Provider' (All - 3), and 'Regions' (All - 15 x). The main content area is titled 'Showing 45 services' and lists various services in a grid. Each service card includes an icon, a title, a brief description, and a 'Free Tier' or 'Always Free' label. The services listed include ABAP environment, Application Autoscaler, Authorization and Trust Management Service, Automation Pilot, Business Application Studio, Business Entity Recognition, Cloud Foundry Runtime, Cloud Integration Automation, Cloud Management Service, Cloud Transport Management, Connectivity Service, Content Agent, Continuous Integration & Delivery, Credential Store, and Data Attribute Recommendation.

Application Development & Automation

Runtime Platforms

ABAP

Designed for developers familiar with SAP's traditional ABAP

ABAP developers who want to build cloud-native extensions or custom applications in an environment familiar to them.

- Provisioned in SAP BTP subaccount
- Allows reuse of existing ABAP skills and code assets.
- Tightly focused on SAP environments; limited for use with non-SAP technologies.

Cloud Foundry

Supports multiple programming languages and frameworks

Developers looking for flexibility in language and framework choices. Ideal for building cloud-native applications with diverse technology stacks.

- Managed and embedded in SAP BTP subaccount
- Multi-language support, including Java, JavaScript, Python, and more.
- Scalability and Flexibility

Kyma

Kubernetes based runtime

Developers looking to leverage Kubernetes for containerized applications and serverless architectures with a strong focus on extensibility and flexibility.

- Provisioned in SAP BTP subaccount
- Based on Kubernetes, which allows for container orchestration and management.
- Highly flexible and scalable, leveraging open-source tools and ecosystems.

SAP Build

SAP Build Apps

Create and augment enterprise apps quickly and visually with low-code.

- Build user interfaces easily
- Create data models and business logic visually
- Integrate seamlessly

SAP Build Code

Code with generative AI, optimized for Java and JavaScript application development.

- GenAI-based code development with Joule copilot
- Optimized for Java and JavaScript application development
- Providing a turn-key environment for coding, testing, integrations, and application lifecycle management

SAP Build Process Automation

Automate workflow processes and tasks with drag-and-drop simplicity.

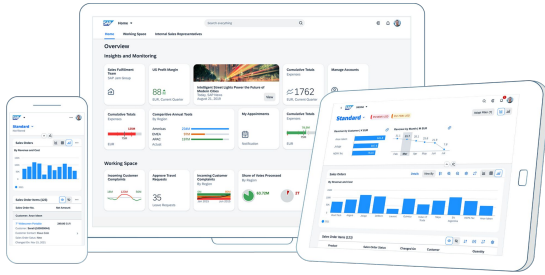
- Build process flows and automate manual tasks
- Use AI for intelligent document processing
- Develop with AI assistance and drag-and-drop simplicity
- Deliver faster with pre-built workflows, bots, and connectors

SAP Build WorkZone

Design digital workspaces to connect and collaborate across all your enterprise applications in one place.

- Build digital workspaces without code
- Connect enterprise applications with ease
- Surface individualized recommendations, insights and actions
- Enable constant communication, knowledge sharing and feedback

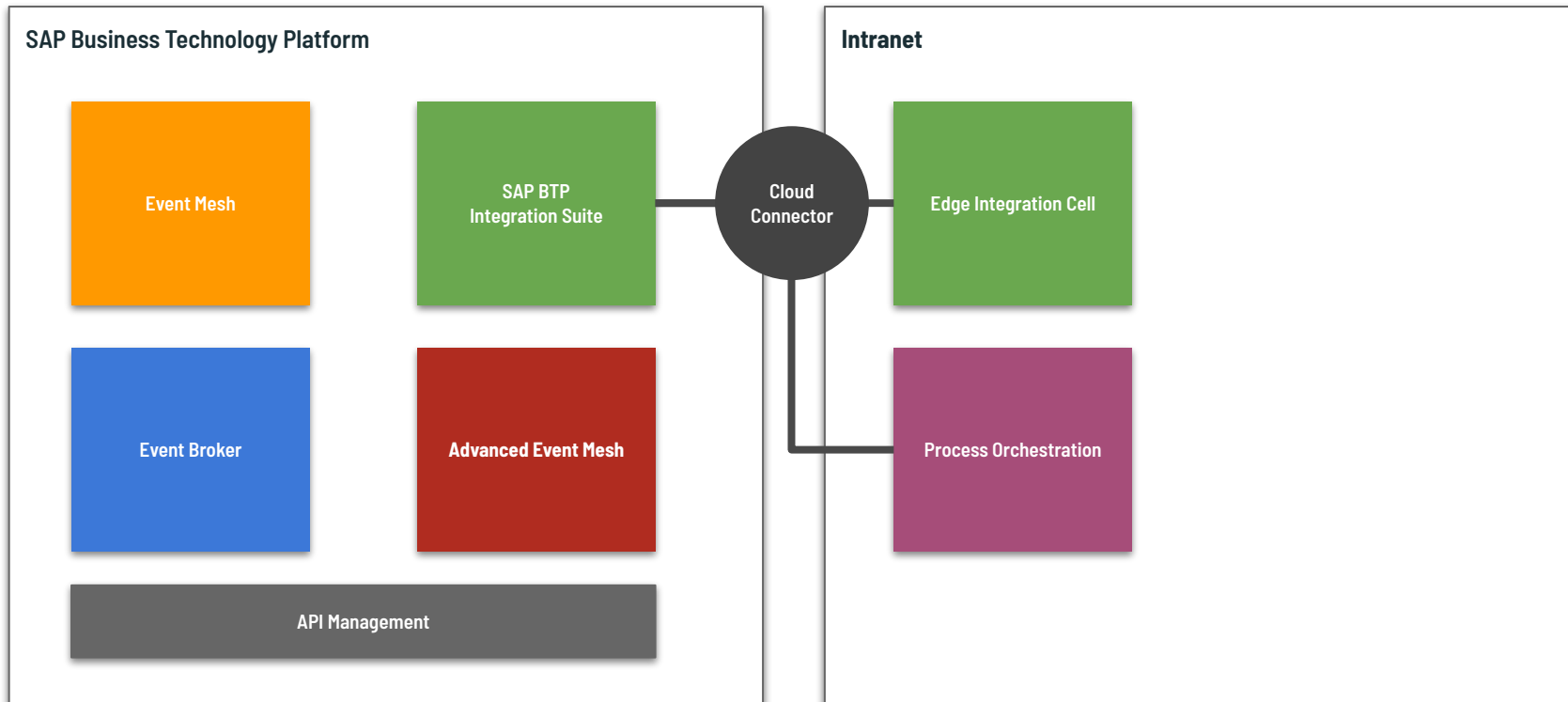
SAP Fiori



- Role-based, Coherent, Adaptive, Simple, Delightful
- Guidelines for Web, iOS, Android
- 3 main development options:
 - Freestyle Development
 - Fiori Elements
 - Flexible Programming Model

Integration

Integration Overview



Data & Analytics

Data & Analytics

SAP Analytics Cloud

Bring analytics and planning together with unique integration to SAP applications and smooth access to heterogeneous data sources.

SAP Datasphere

Make data meaningful with a single business semantic service unifying all data

SAP HANA Cloud

Identify, gather, analyze, and make the most context-relevant data available throughout your enterprise

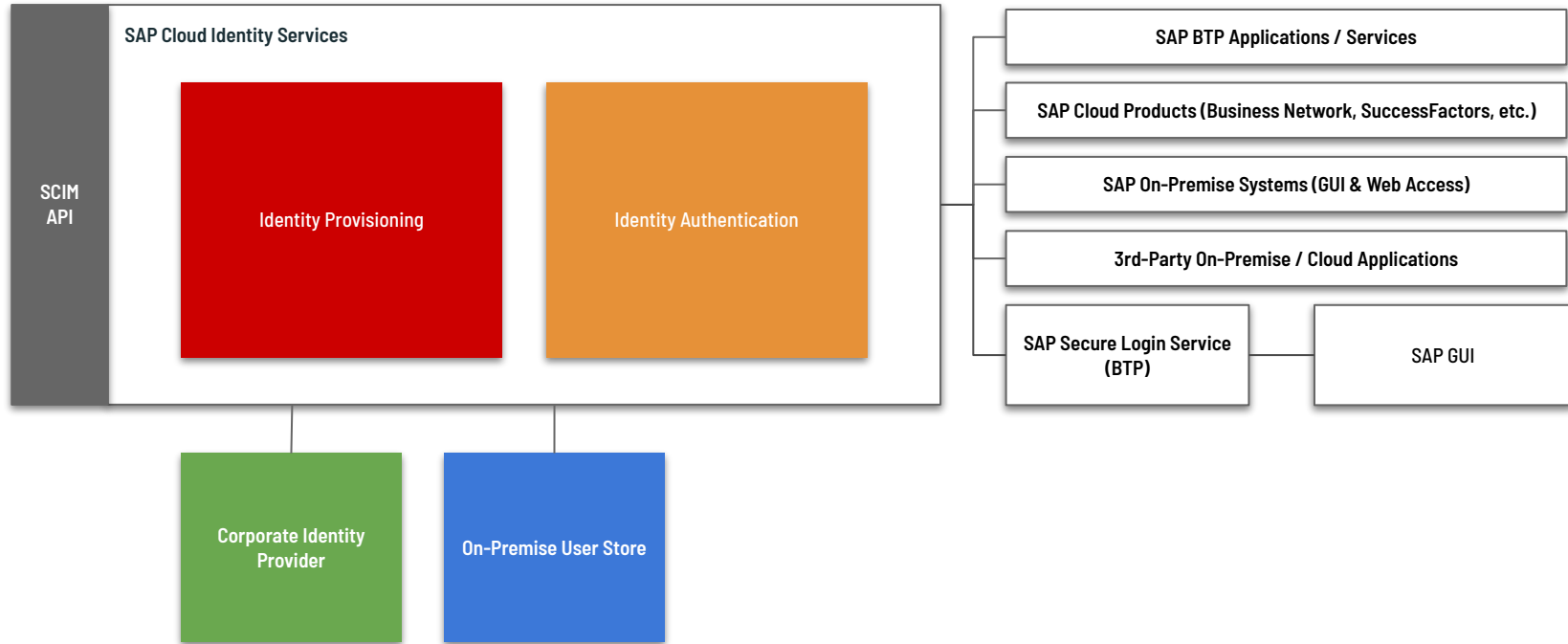
Artificial Intelligence

SAP AI Core

	Execute Pipelines	Execute pipelines as a batch job, for example, to preprocess or train your models, or perform batch inference.
	Serve inference requests	Deploy a trained machine learning model as a Web service to serve inference requests of trained models with high performance.
	Manage the AI scenario lifecycle	Manage your ML artifacts and workflows, such as model training, metrics tracking, data, models, and model deployments via a uniform API lifecycle.
	Benefit from multitenancy support	Use this service in tenant-aware applications. Implement multi-tenant services to segregate your AI assets and executions to isolate your tenants within SAP AI Core.
	Integrate your cloud infrastructure	Register your Docker registry, synchronize your AI content from your git repository, and register your object store for training data and trained models. Productize your AI content and expose it as a service to consumers in the SAP BTP marketplace.
	Generative AI Hub	Choose from a selection of generative AI models for prompt experimentation, and prompt lifecycle management.

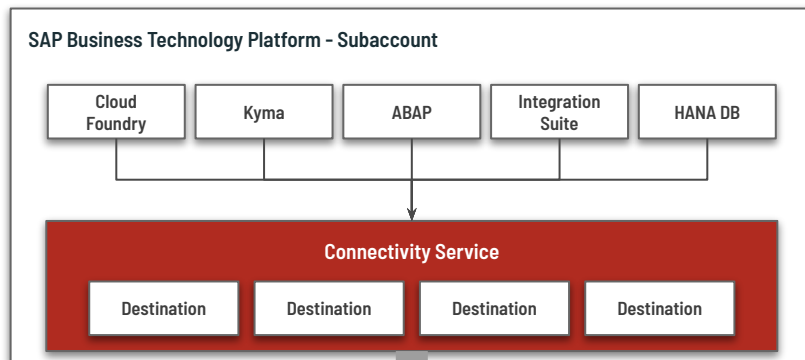
Security & Connectivity

Cloud Identity Services



SAP Cloud Identity Services are a group of services, designed to enable identity and access management across cloud and on-premise systems. They aim to provide a seamless single sign-on experience for users while ensuring that system and data access are secure.

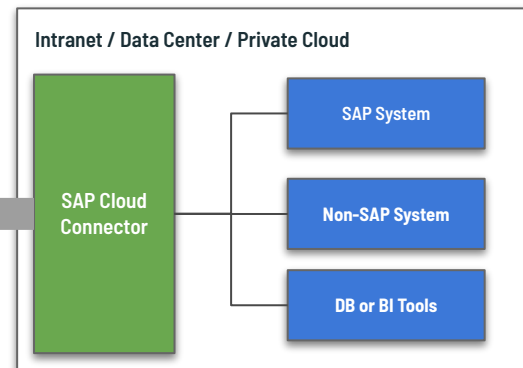
SAP Cloud Connector



HTTPS Secure Tunnel

HTTP, RFC, TCP, LDAP

- Supports HTTP(S), RFC, TCP and LDAP from Cloud to On-Premise
- Service Channels provide access from external systems to specific services on SAP BTP
 - RFC Connection to an ABAP Cloud system
 - TCP connection to a SAP BTP Kubernetes cluster
 - DB Connection to SAP HANA Database on SAP BTP





/thank you

<https://x.com/abdulbasitg/>
<https://www.linkedin.com/in/abdulbasitg/>