



# SAP Business Technology Platform for Developers

Tools, Services and Architecture

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# Agenda

SAP BTP Overview

Application Development & Automation

Databases

Document Management

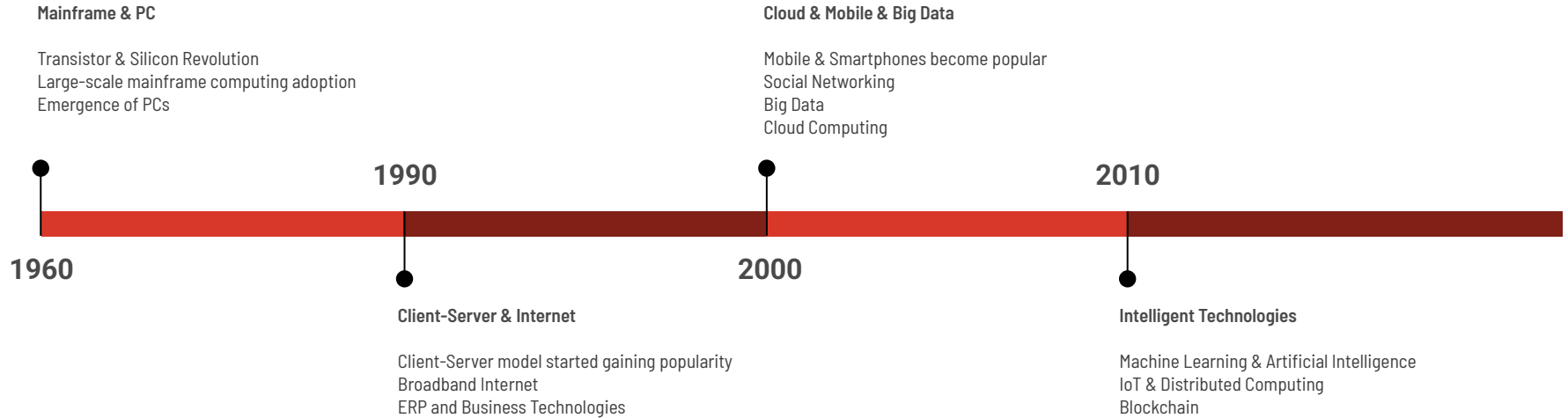
Artificial Intelligence

Integration

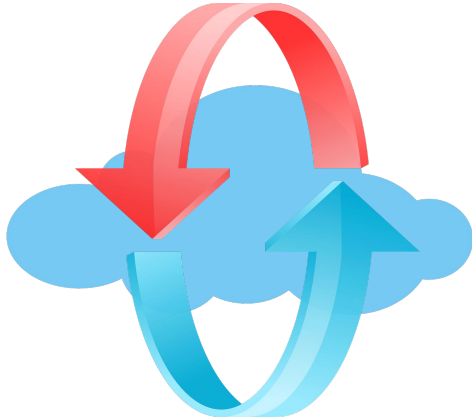
Security & Connectivity

# **SAP BTP Overview**

# Moving to the Cloud



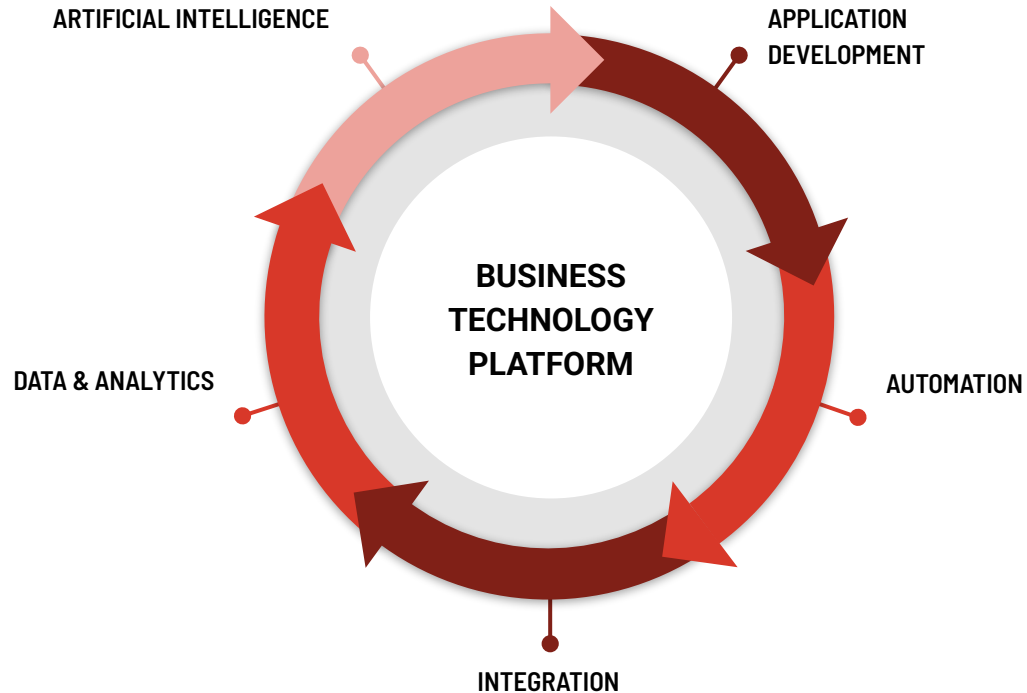
# On-Premise & Cloud & Hybrid Model



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 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

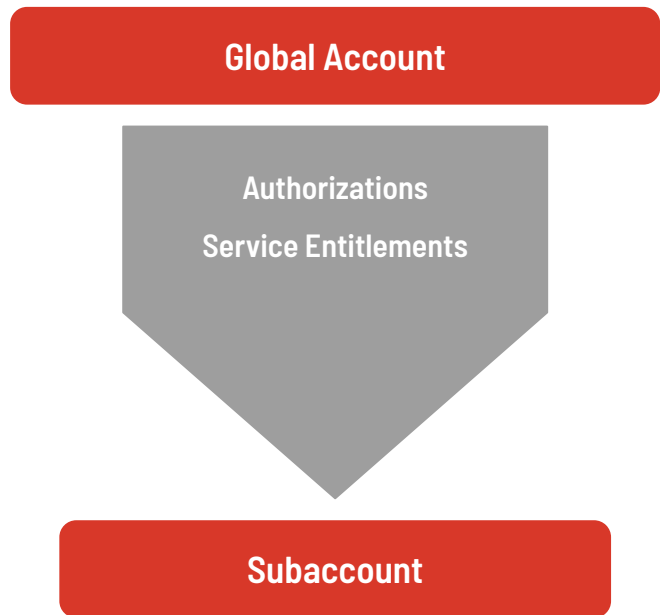
## Data & Analytics

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

# 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

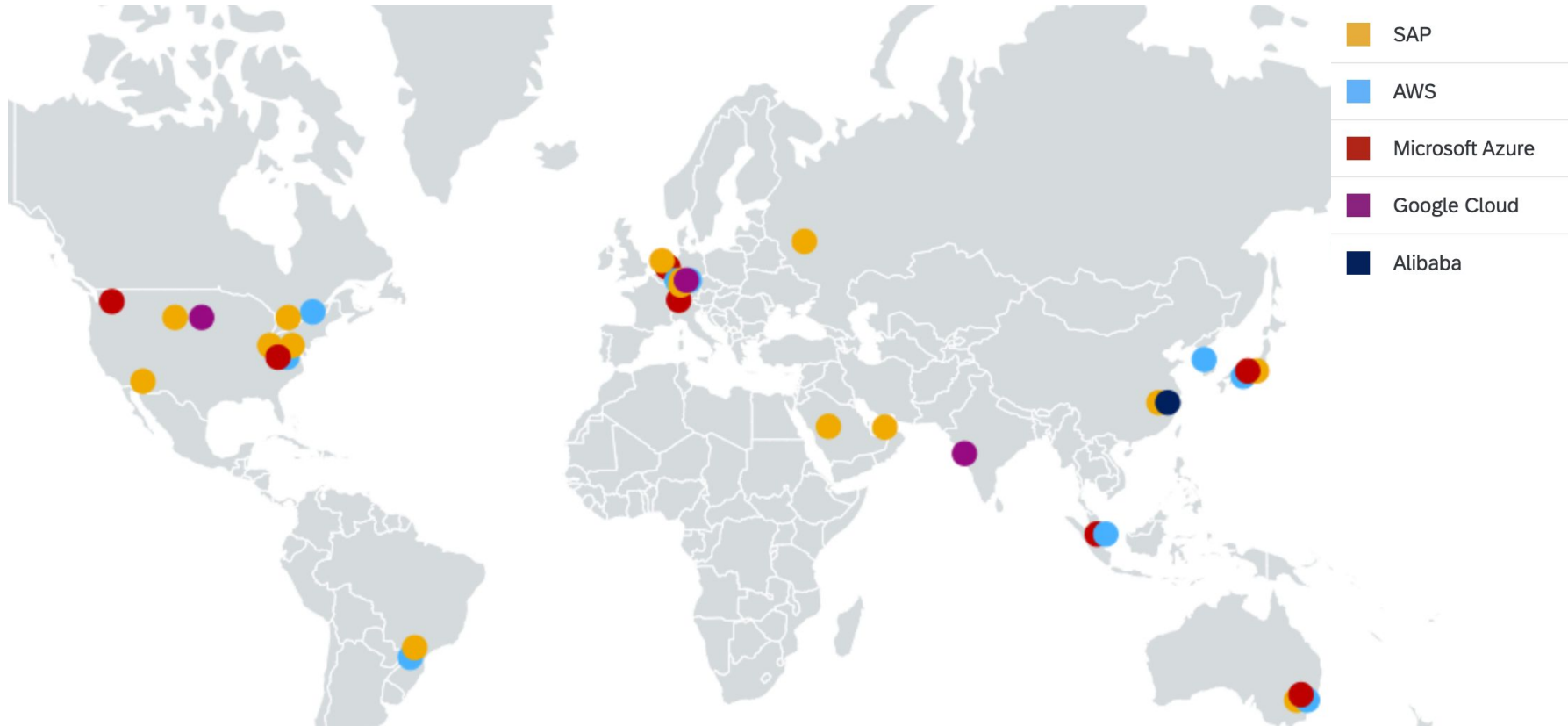
Directory

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. At the top, the header includes the SAP logo and 'SAP Discovery Center'. Below this, a navigation bar shows 'Home' and 'Services'. The main section is titled 'Services' with a sub-header 'Integrate and extend your solutions, optimize your business processes, and create an engaging digital experience using SAP Business Technology Platform services.' A search bar is present with the placeholder text 'Search for SAP Business Technology Platform services'. To the right of the search bar are filters 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. On the left side, there is a sidebar with three main categories: 'Categories', 'Solutions', and 'Capabilities'. Under 'Categories', there is a link for 'All'. Under 'Solutions', there are links for 'New & Featured', 'Always Free & Free Tier Services', 'AI', 'Application Development and Automation', 'Data and Analytics', 'Extended Planning and Analysis', 'Foundation / Cross Services', and 'Integration'. Under 'Capabilities', there are links for 'Database and Data Management', 'Developer Productivity', 'DevOps', 'Mobile', and 'Process Automation'. The main content area is titled 'All Services (94)' and shows a grid of service cards. Each card includes an icon, a title, a description, and a 'FREE TIER' or 'ALWAYS FREE' badge. The services shown are: 'ABAP environment' (FREE TIER), 'Advanced Event Mesh' (NEW), 'Agent Activation for Dynatrace Service' (FREE TIER), 'Agency' (ALWAYS FREE), 'Alert Notification' (FREE TIER), 'Application Autoscaler' (ALWAYS FREE), 'Application Logging Service' (FREE TIER), and 'Audit Log Service' (ALWAYS FREE). Each card also has a 'Download' icon in the bottom right corner.

**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.

FREE TIER

**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.

FREE TIER

**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](#)

First Name

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&regions=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' links. Below this, the 'Services' section is highlighted, with a subtitle: 'Discover SAP Business Technology Platform services that help you integrate, extend and build your solution. Learn about their features, availability and pricing.' A search bar is present, along with filters for 'Commercial Model' (set to 'Pay-As-You-Go'), 'Provider' (set to 'All - 3'), and 'Regions' (set to 'All - 15 x'). A 'Reset' button is also visible.

On the left, there's a sidebar with 'Categories' and 'Solutions' sections. The 'Categories' section lists 'All (62)', 'New & Featured (15)', and 'Always Free & Free Tier Services (45)'. The 'Solutions' section lists various categories like 'AI (7)', 'Application Development and Automation (14)', 'Data and Analytics (9)', 'Extended Planning and Analysis (5)', 'Foundation / Cross Services (26)', and 'Integration (6)'. The 'Capabilities' section lists 'Database and Data Management (6)', 'Developer Productivity (13)', 'DevOps (11)', 'Mobile (1)', 'Process Automation (5)', 'Runtime & Containers (6)', 'Security (7)', and 'User Experience (6)'.

The main content area is titled 'Showing 45 services' and displays a grid of service cards. Each card includes an icon, a title, a brief description, and a 'Free Tier' or 'Always Free' label. The services shown include:

- ABAP environment (Free Tier)
- Application Autoscaler (Always Free)
- Authorization and Trust Management Service (Always Free)
- Automation Pilot (Free Tier)
- Business Application Studio (Free Tier)
- Business Entity Recognition (Free Tier)
- Cloud Foundry Runtime (Free Tier)
- Cloud Integration Automation (Always Free)
- Cloud Management Service (Always Free)
- Cloud Transport Management (Free Tier)
- Connectivity Service (Always Free)
- Content Agent (Always Free)
- Continuous Integration & Delivery (Free Tier)
- Credential Store (Free Tier)
- Data Attribute Recommendation (Free Tier)

# **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

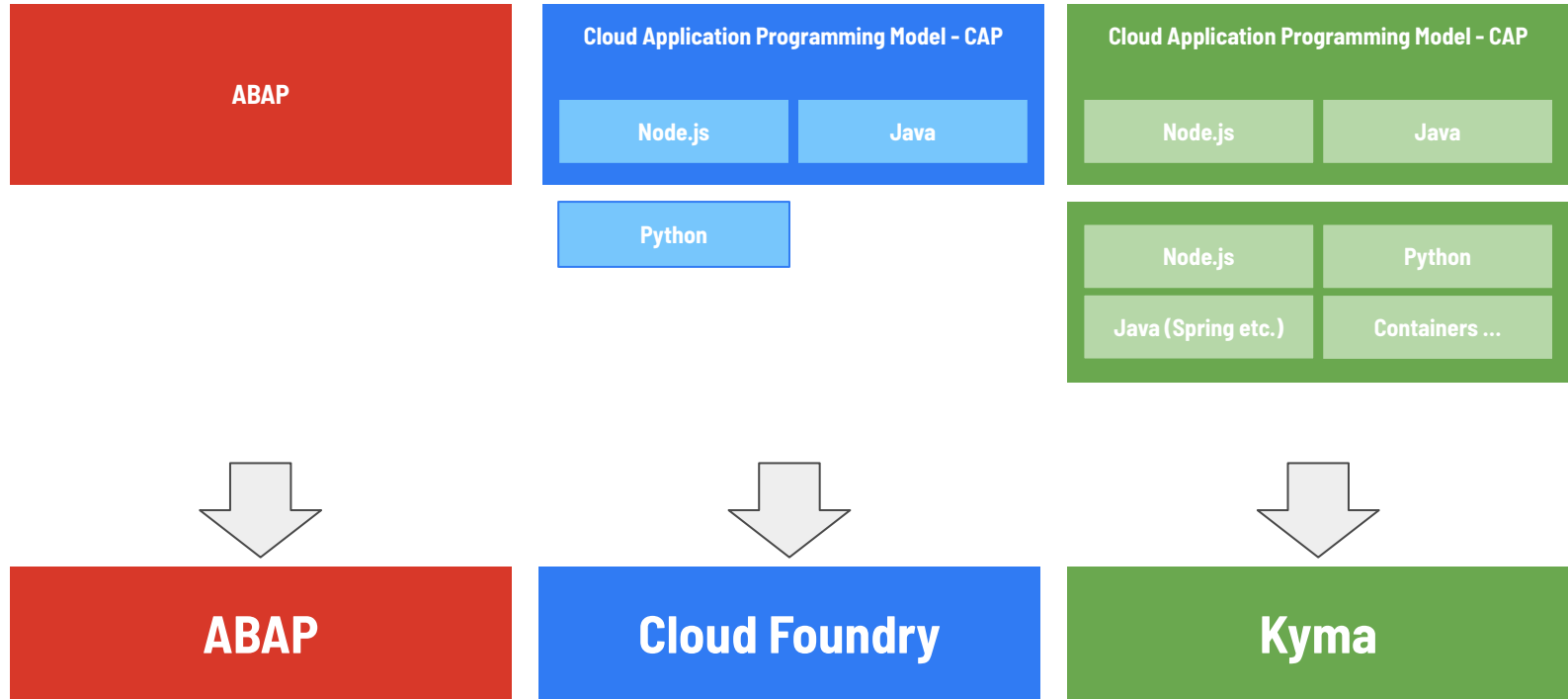
## Kyma

**Kubernetes based runtime**

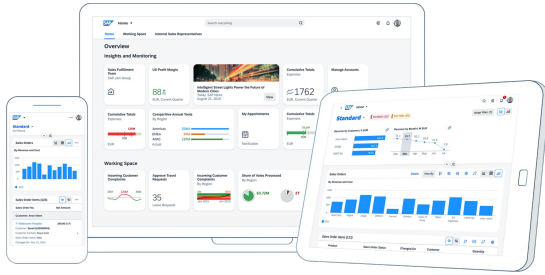
Developers looking to leverage Kubernetes for containerized applications and serverless architectures with a strong focus on extensibility and flexibility.

- 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.

# Runtime Platforms



# SAP Fiori



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

# 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

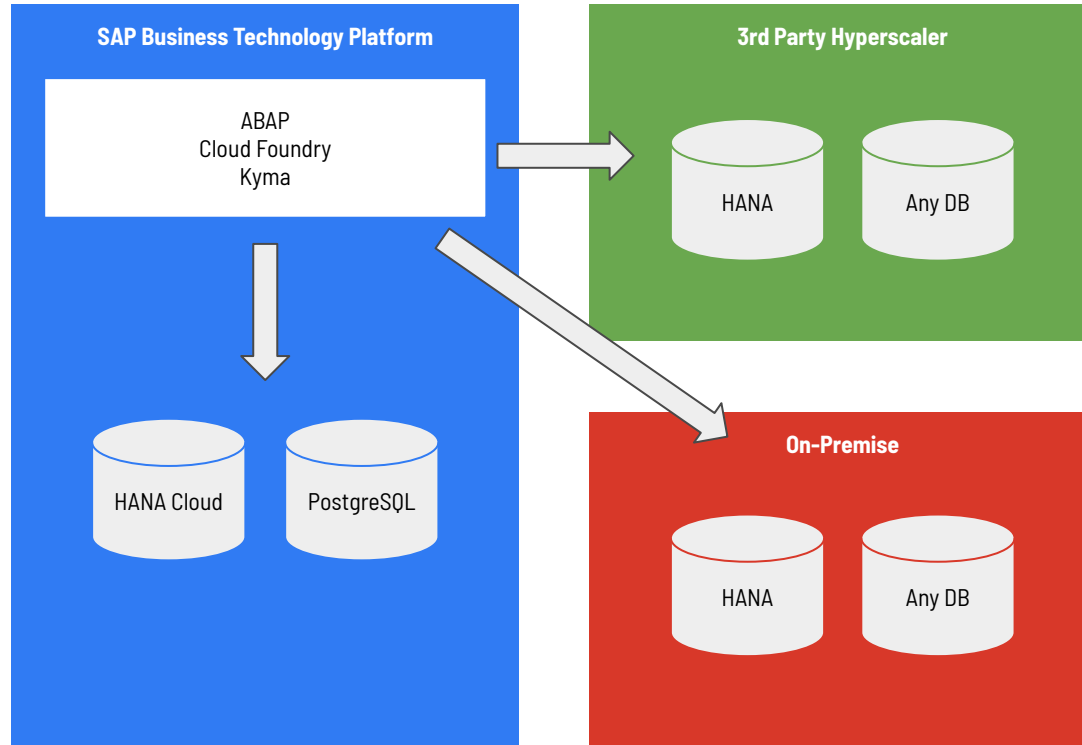
## SAP Build WorkZone

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

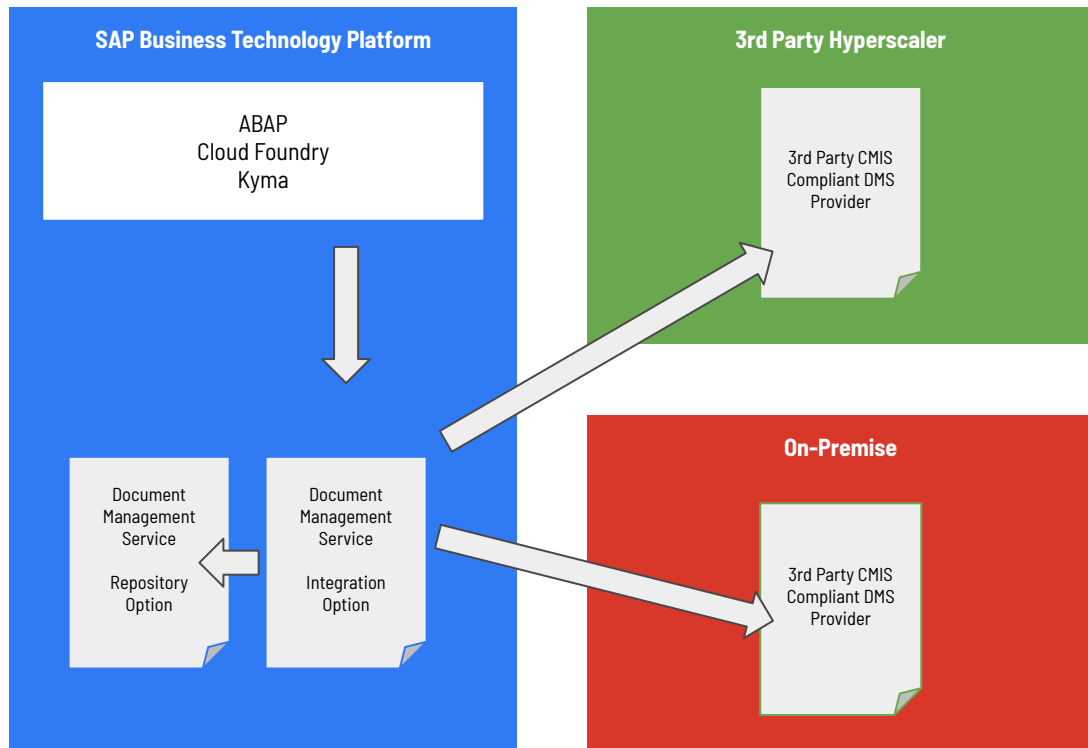
# Databases

# Databases



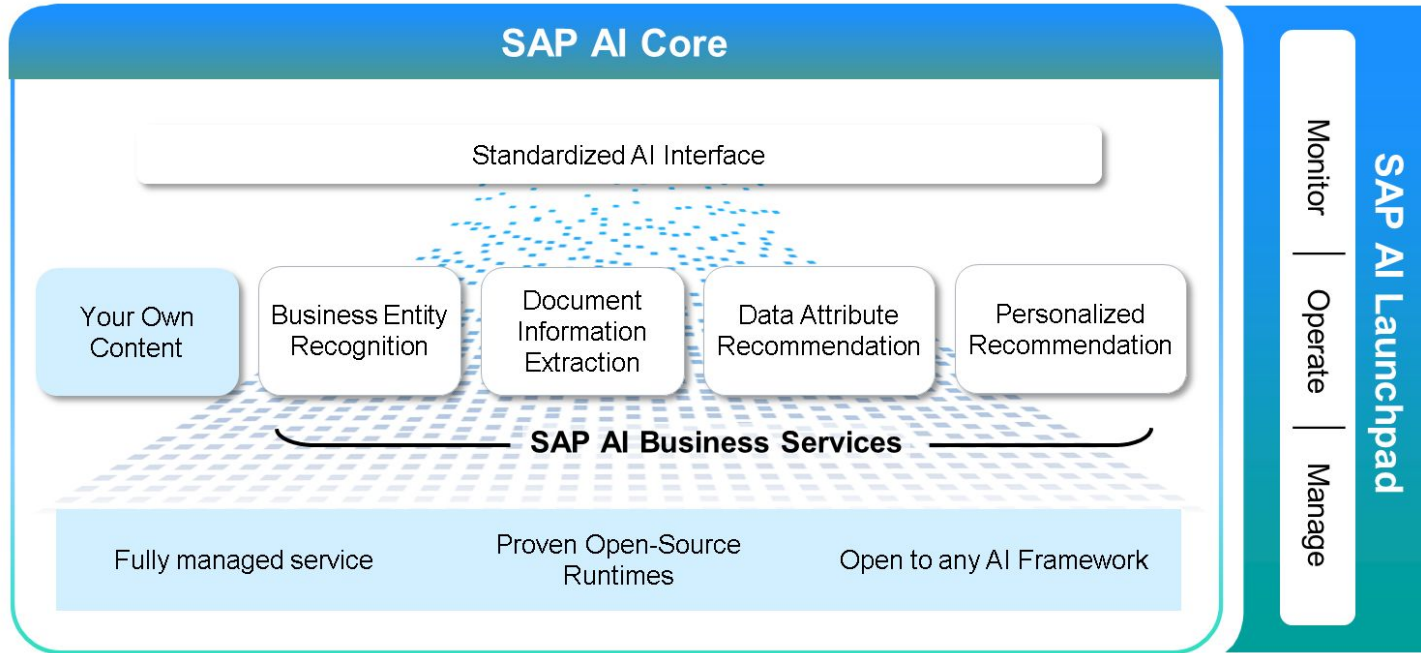
# **Document Management**

# Document Management



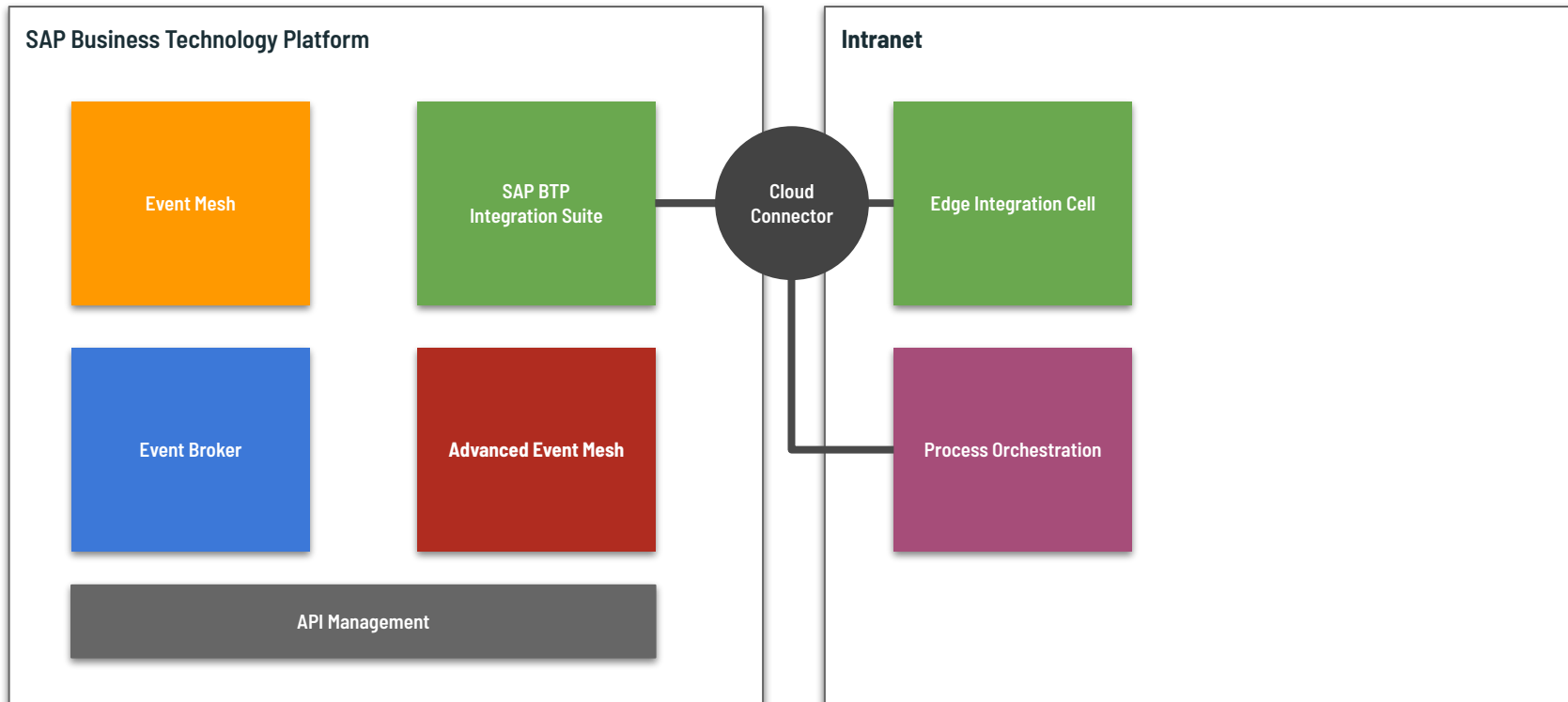
# **Artificial Intelligence**

# Artificial Intelligence



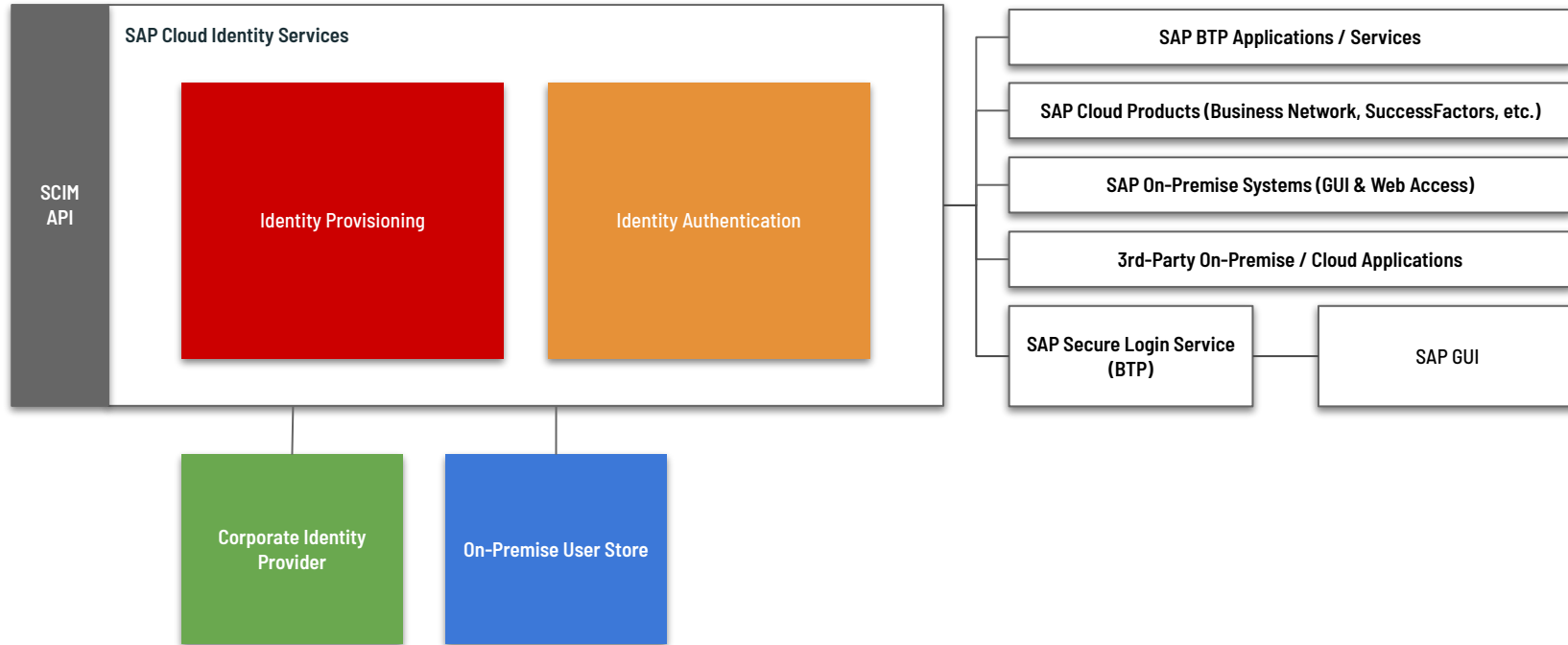
# Integration

# Integration Overview



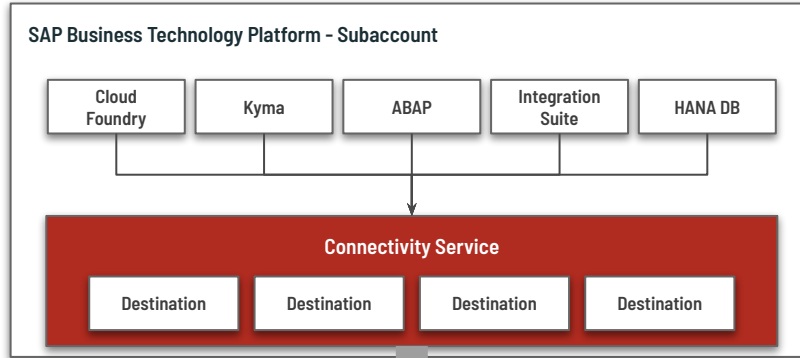
# **Security & Connectivity**

# 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.

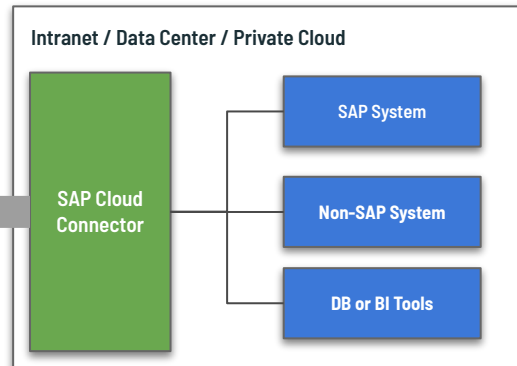
# SAP Cloud Connector



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

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