

SAP **Business Technology Platform** Common Concepts and Strategic Direction

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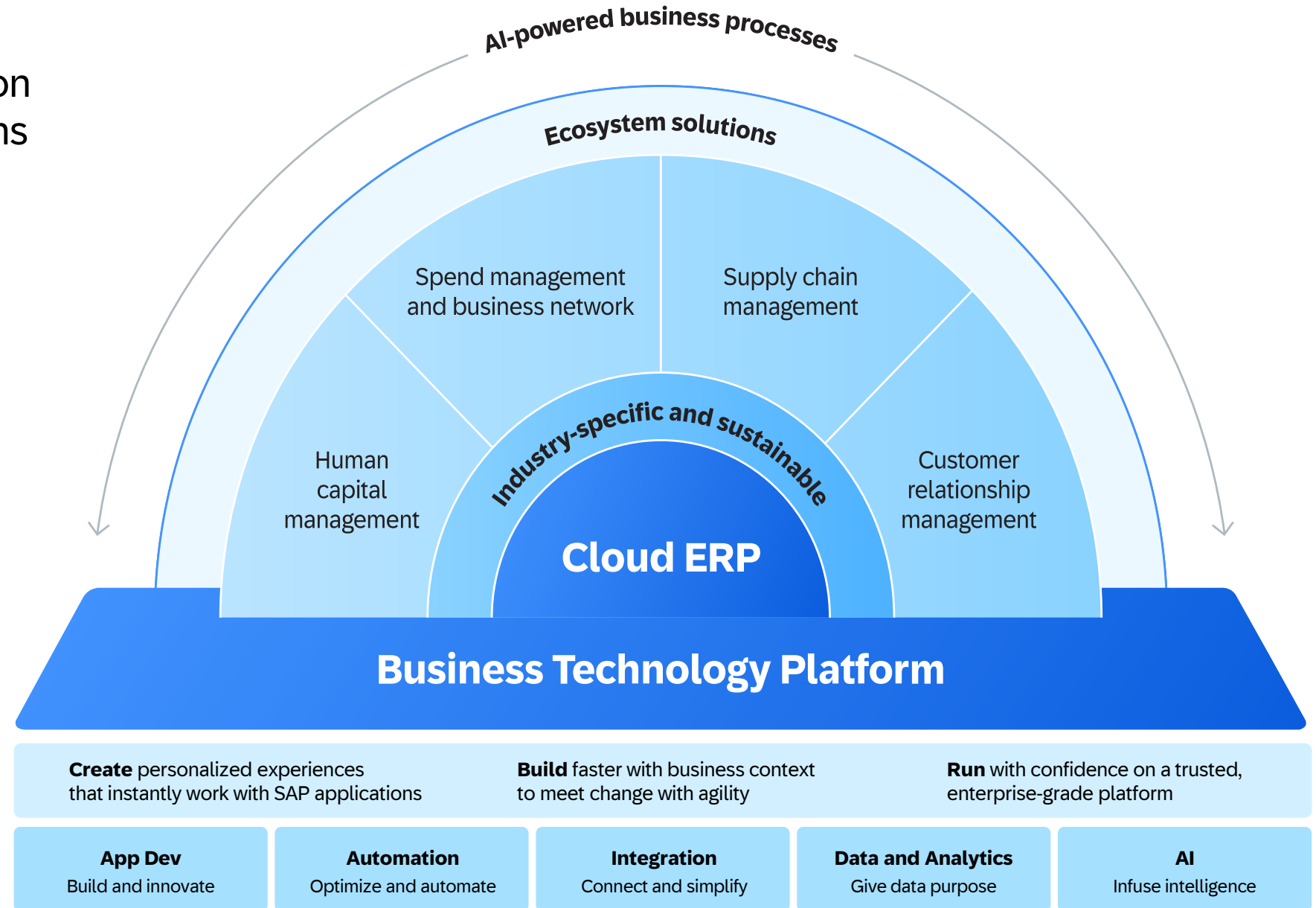
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SAP BTP

Unleash digital innovation across business functions

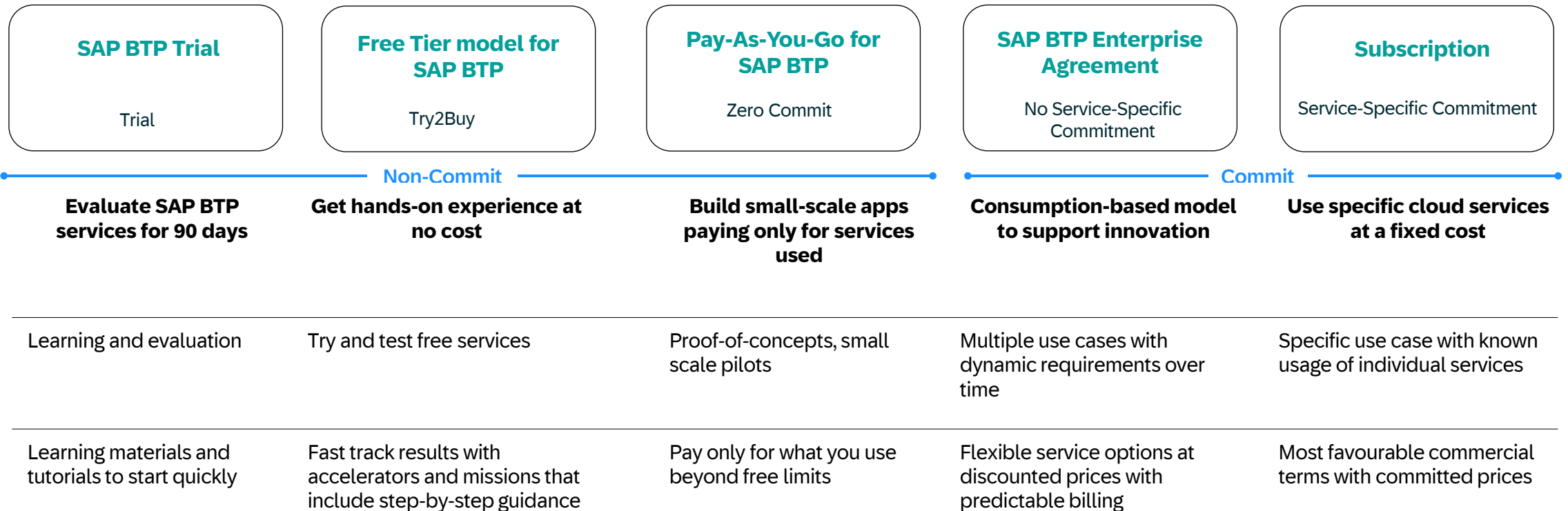


SAP BTP is your platform to individualize your business processes

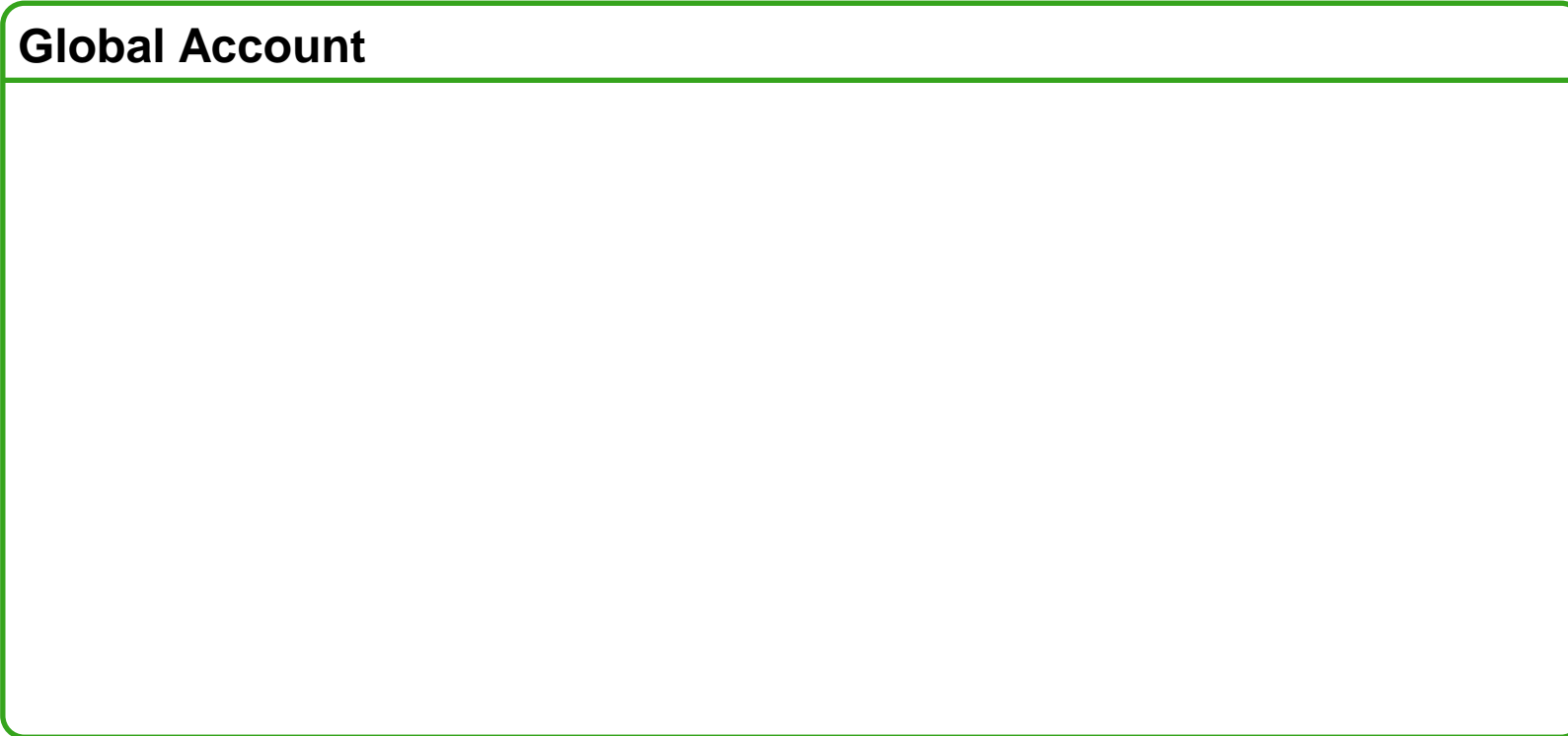


App Dev	Automation	Integration	Data and Analytics	AI
→ Visual low-code/ no-code experience	→ Workflow management	→ Process integration	→ Analytics and planning	→ Pretrained AI models
→ Pro-code tooling	→ Robotic process automation	→ API-led integration	→ Data management	→ Generative AI and AI workload management
→ Digital experience	→ Process monitoring and analytics	→ Event-driven integration	→ Operational database	→ Business data and context
→ DevOps	→ Automated document processing	→ Hybrid integration	→ Data warehouse and data lake	→ Responsible AI
		→ B2B integration		
		→ Data integration		

SAP BTP has flexible options to support your transformation journey



SAP Business Technology Platform – General Concepts



SAP Business Technology Platform – General Concepts

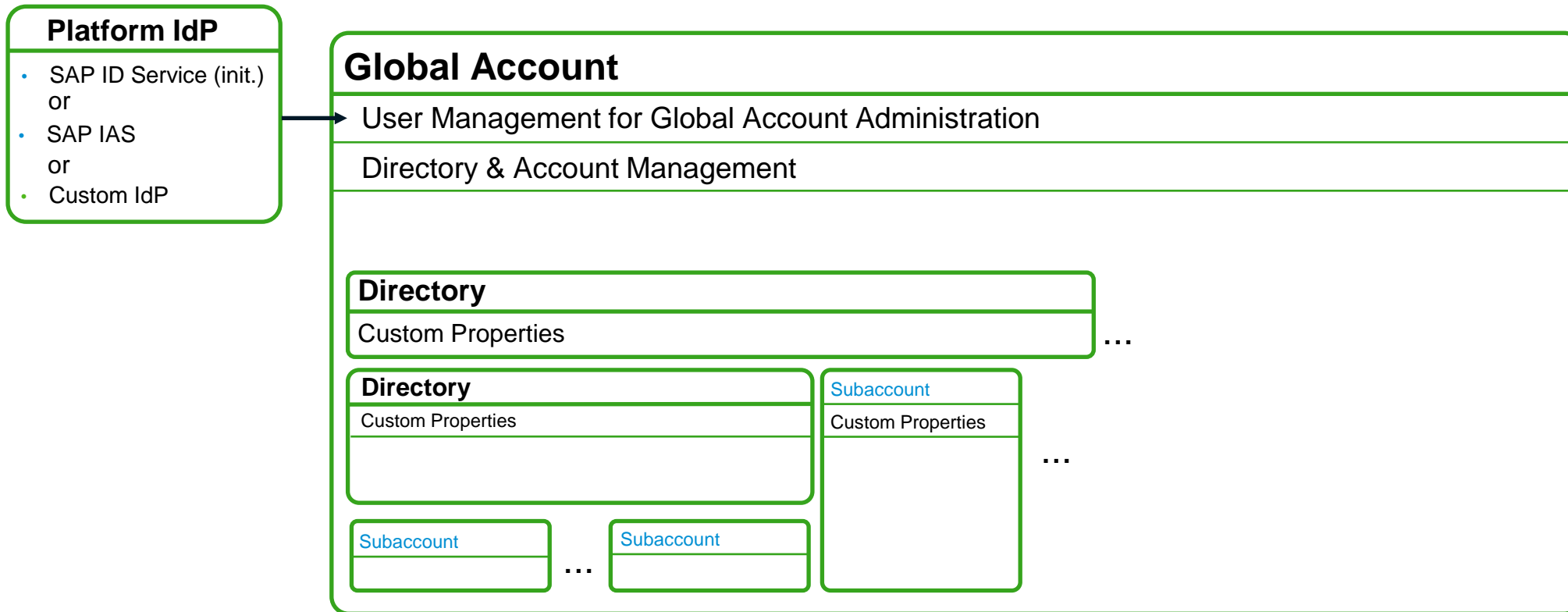
Platform IdP

- SAP ID Service (init.)

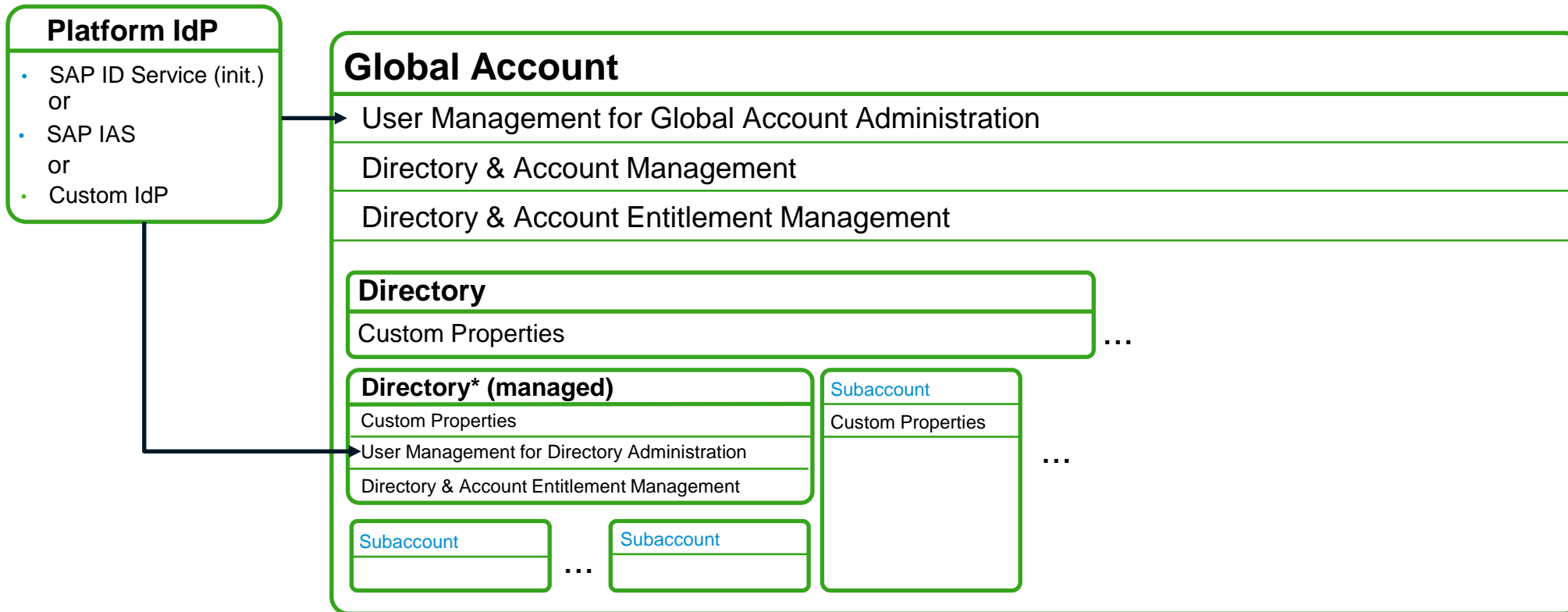
Global Account

User Management for Global Account Administration

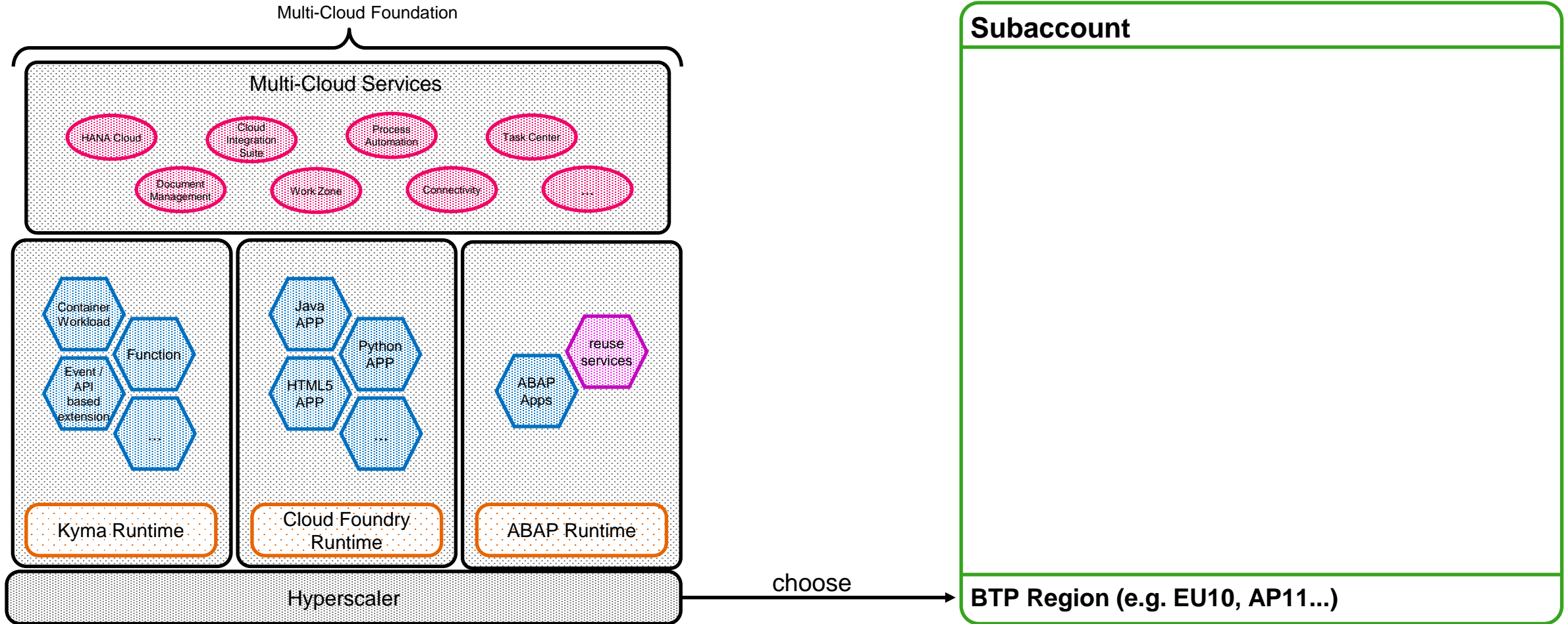
SAP Business Technology Platform – General Concepts



SAP Business Technology Platform – General Concepts

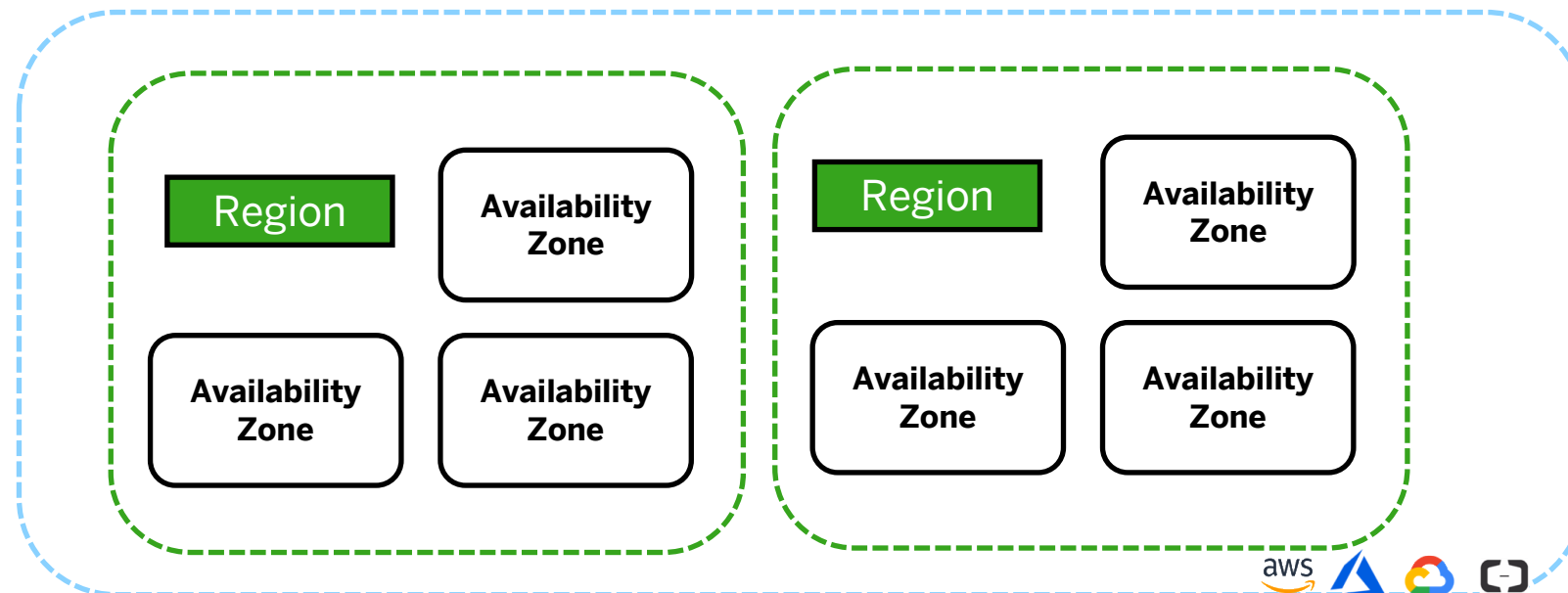


Business Technology Platform: Subaccounts



Availability Zones (AZs)

- Hyperscaler infrastructure is hosted in multiple locations world-wide called **Regions**
- Regions consist of several isolated locations known as **Availability Zones (AZs)**
- Availability zones are physical locations consisting of one or more data centres, with independent power, cooling and network connectivity.
- Every AZ in a region is connected to each other by a low-latency, high-bandwidth communication link and offer the ability to replicate resources between them.

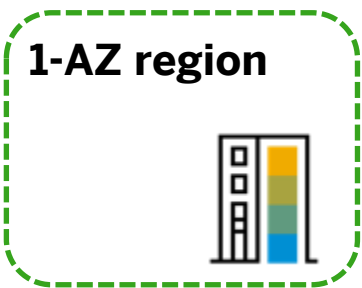


SAP BTP High Availability: Multi-AZ

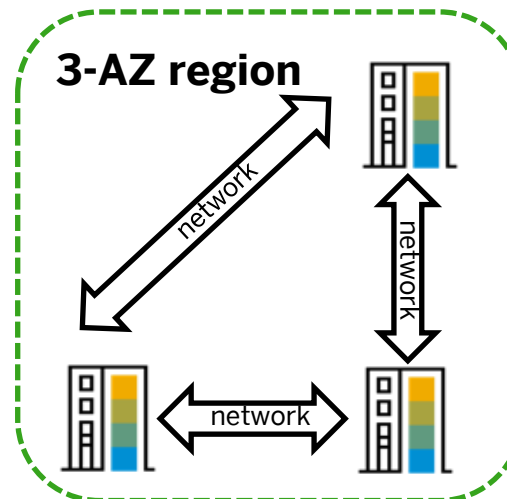
Multi-AZ deployments provide resiliency against infrastructure failure of a single availability zone by distributing stateless services across AZs and replicating data of stateful services between AZs.

The multi-cloud environments of SAP BTP run transparently in a HA setup over multiple availability zones with an end state of 3 Availability Zones (AZs) in a hyperscaler's region. Exceptions to the 3 AZ set up can be found in SOC report¹.

In a **Single-AZ** configuration, your application instances are located within **1 AZ only**. Failure of given AZ will result in total app downtime.

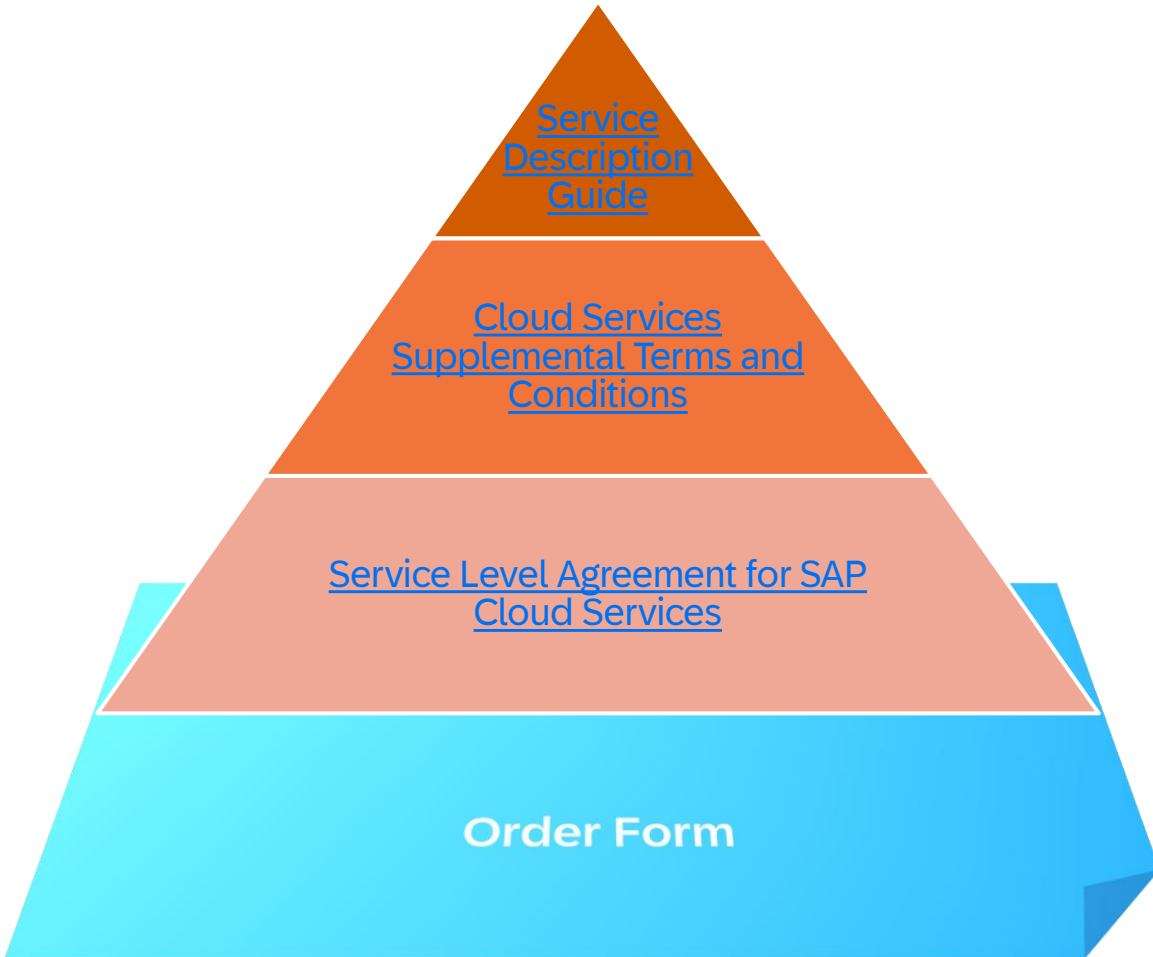


In a **Multi-AZ** configuration, your application instances are located in **different AZs**. Failure of one AZ will not impact the application availability and protects customers from incidents in a single AZ



- **Transparent HA setup** over multiple near-by AZs within one region
 - HA pairs are equally distributed over the AZs
 - Applications run active-active across 3 AZs
 - Databases run active-passive across 2 AZs
- **Synchronous data replication**
- Automatic failover
- Traffic management, load balancing and failure detection
- “Chaos Days” testing methodology to regularly test internally for Multi-AZ failovers

SAP Cloud Service Level Agreement Hierarchy



Any deviations from SLA per service are noted here (99.95%)

Amended by the Supplemental Terms for SAP Cloud Services (99.9%) and other BTP services

Availability SLA of **99.7%** promised by SAP

Baseline document for all SAP Cloud services (E.g. S4, Ariba, Concur, SuccessFactors)

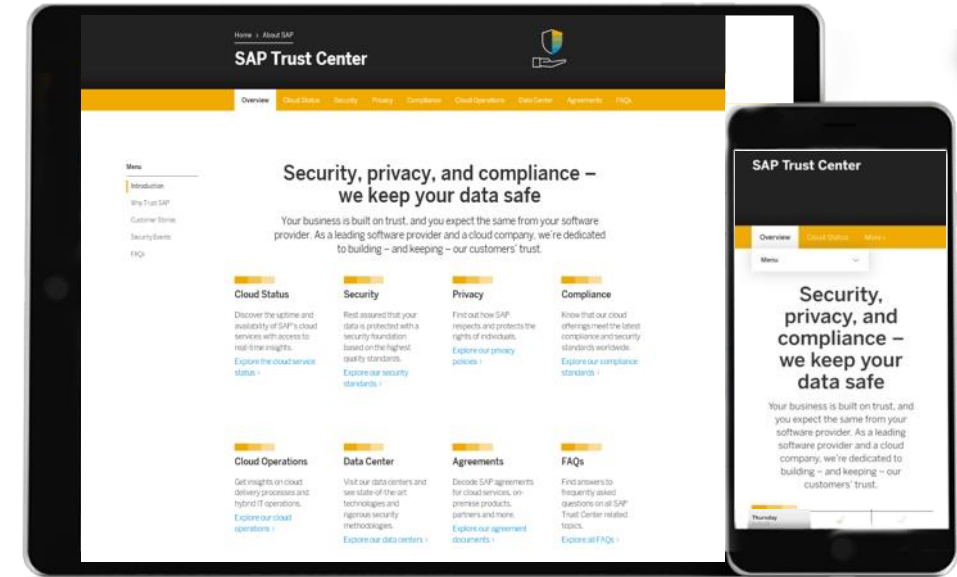


SAP Trust Center

www.sap.com/trust-center

The **SAP Trust Center** is a public-facing website on sap.com, designed to provide unified and easy access to trust related content, such as security, privacy, and compliance.

- Delivers **transparency**
- Easy access to SAP trust-related **documents, certificates, and contracts.**
- Users can **initiate requests and engage with SAP**
- **[BTP Supplement Agreement](#)**



Cloud Service Status

Availability data of our cloud services showing the current live status



Security

Measures to ensure SAP Cloud Security



Privacy

SAP respects and protects the rights of individuals



Compliance

Shows the vast variety of ISO/BS as well as certificates



Cloud Operations

Shows how SAP runs cloud operations to help plan and optimize resources



Data Center

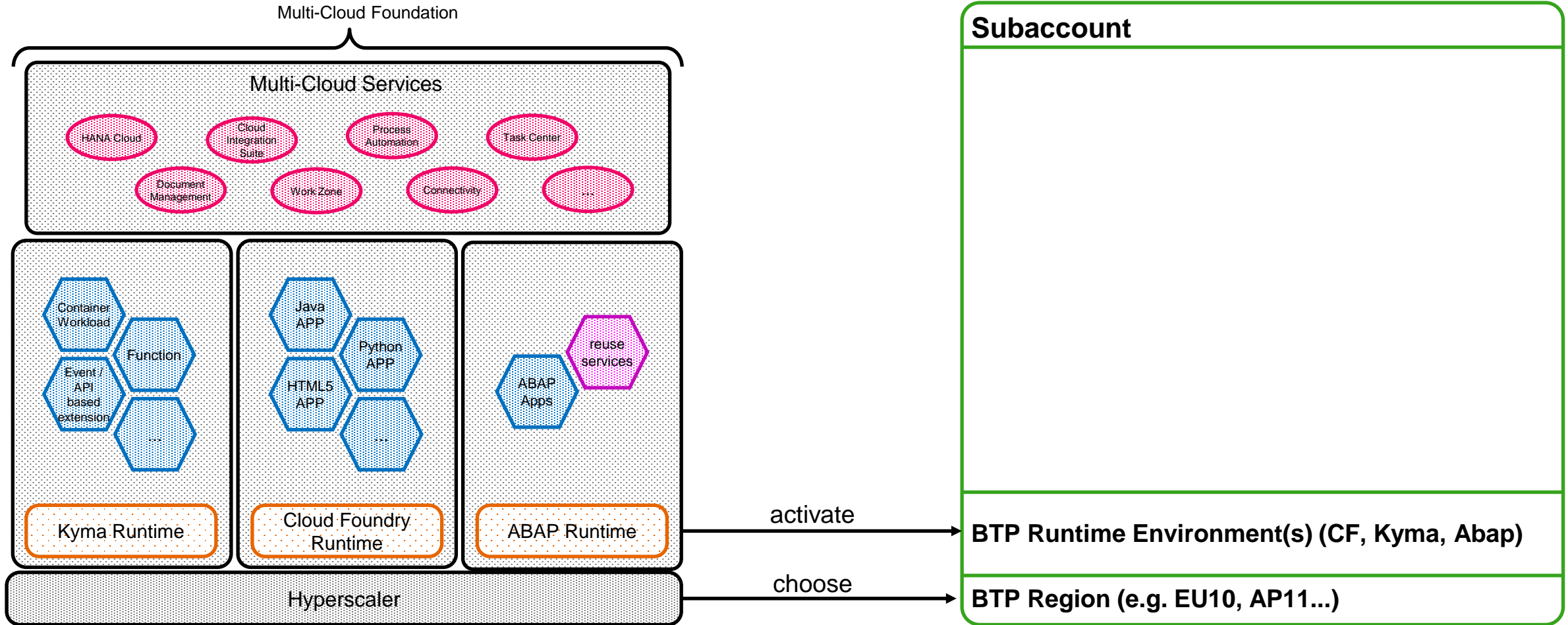
Virtually and physically protected data with state-of-the-art technologies



Agreements

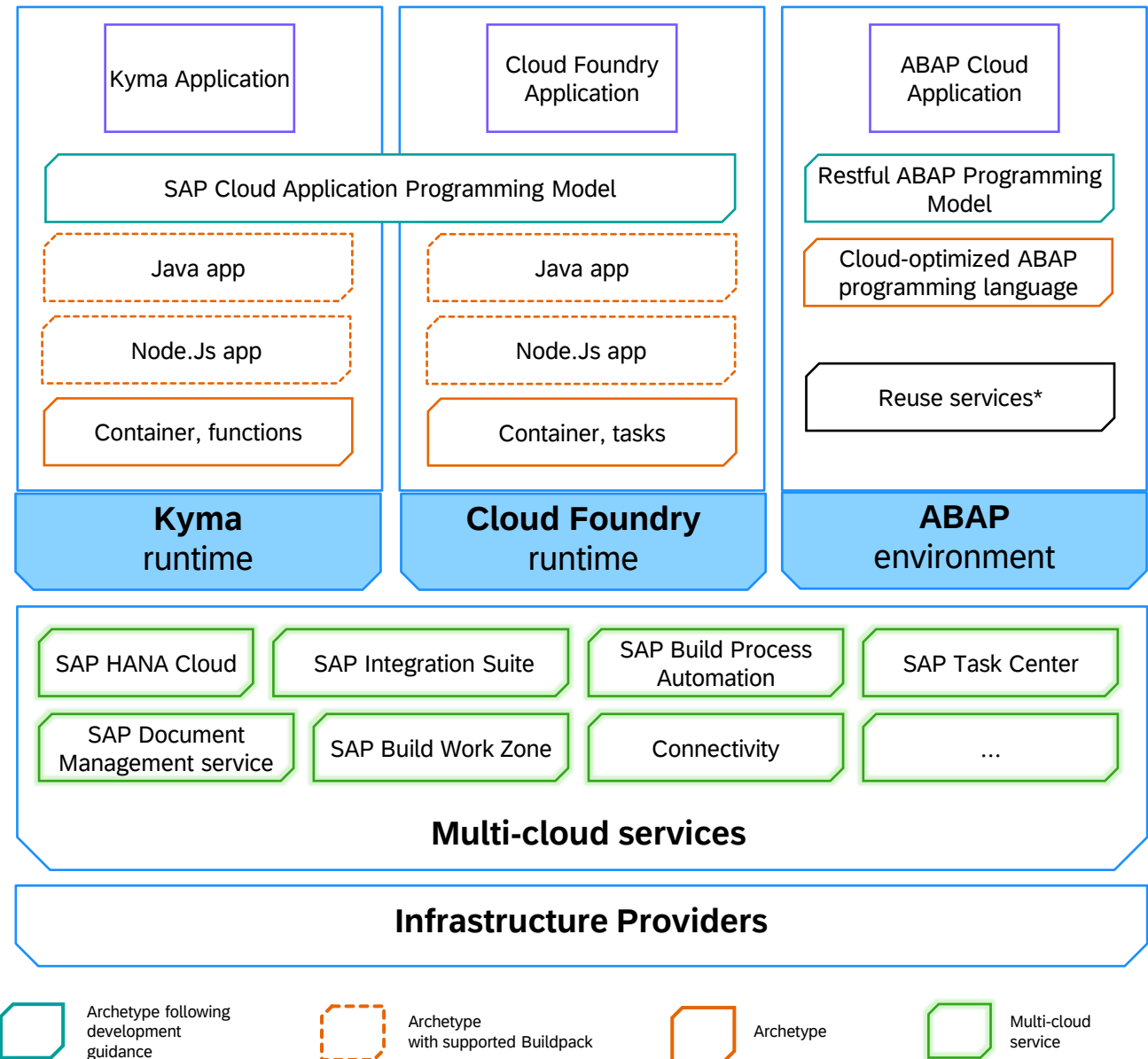
Overview of the building blocks of SAP contracts

Business Technology Platform: Subaccounts

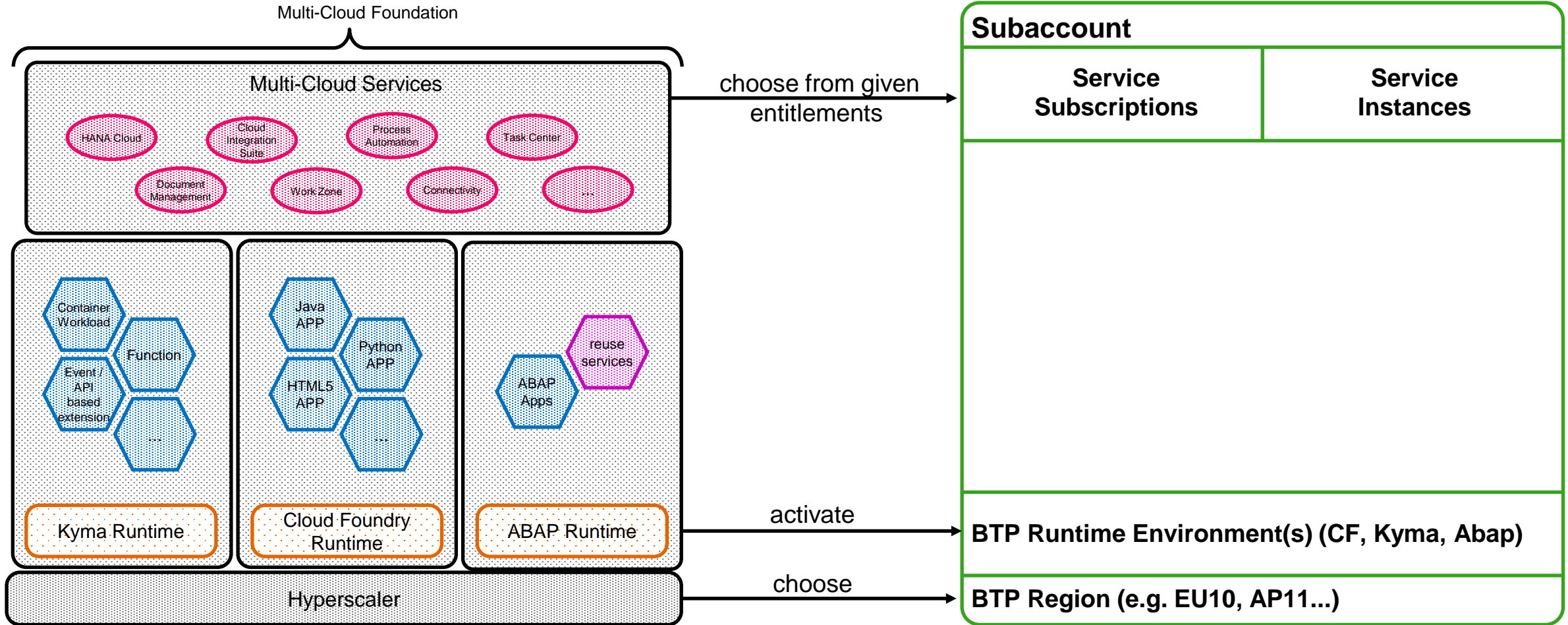


SAP BTP – Runtime strategy in a nutshell

- There are **three strategic runtimes of choice** supported on SAP BTP today:
 - ABAP environment
 - Cloud Foundry runtime
 - Kyma runtime
- The current **services** on SAP BTP can be consumed from the **strategic runtime environments** on SAP BTP.
- SAP is offering **aligned programming models** to abstract from services usage and runtimes where possible.
- **Buildpacks** are being used to ease user experience and portability of workloads.

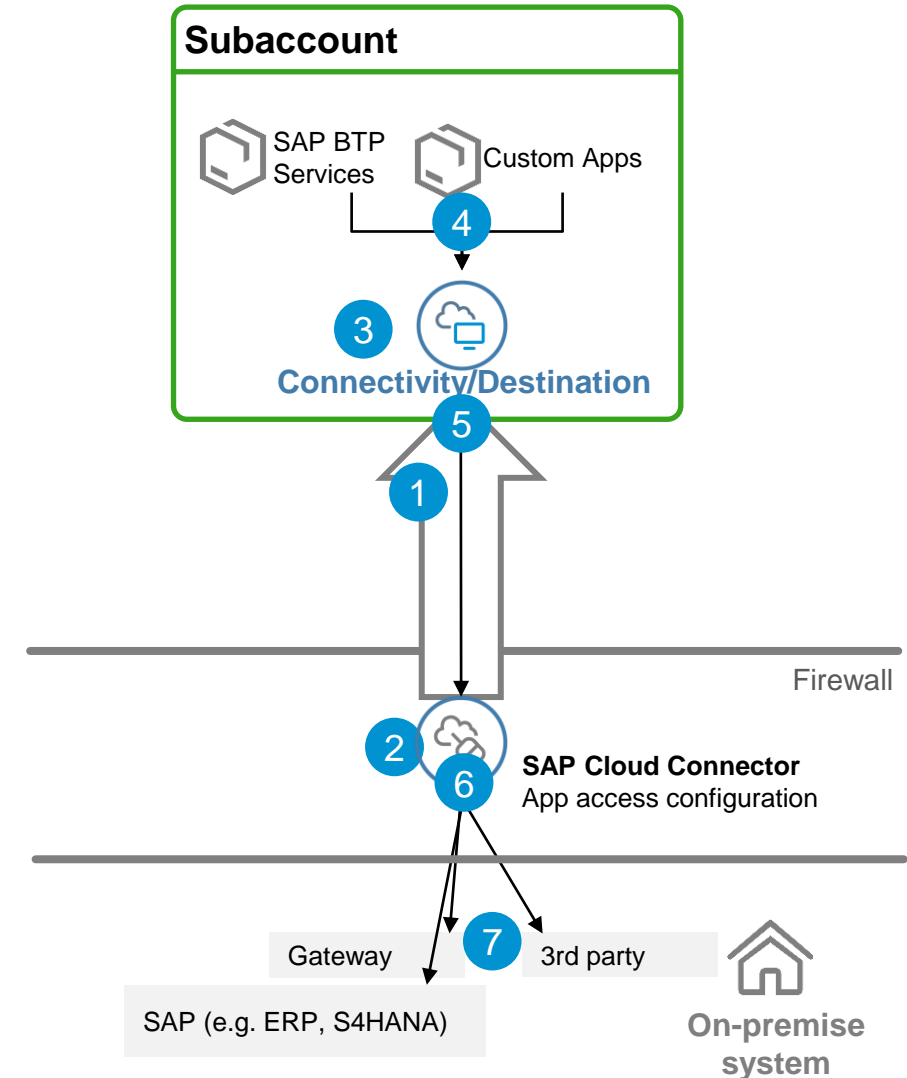


Business Technology Platform: Subaccounts

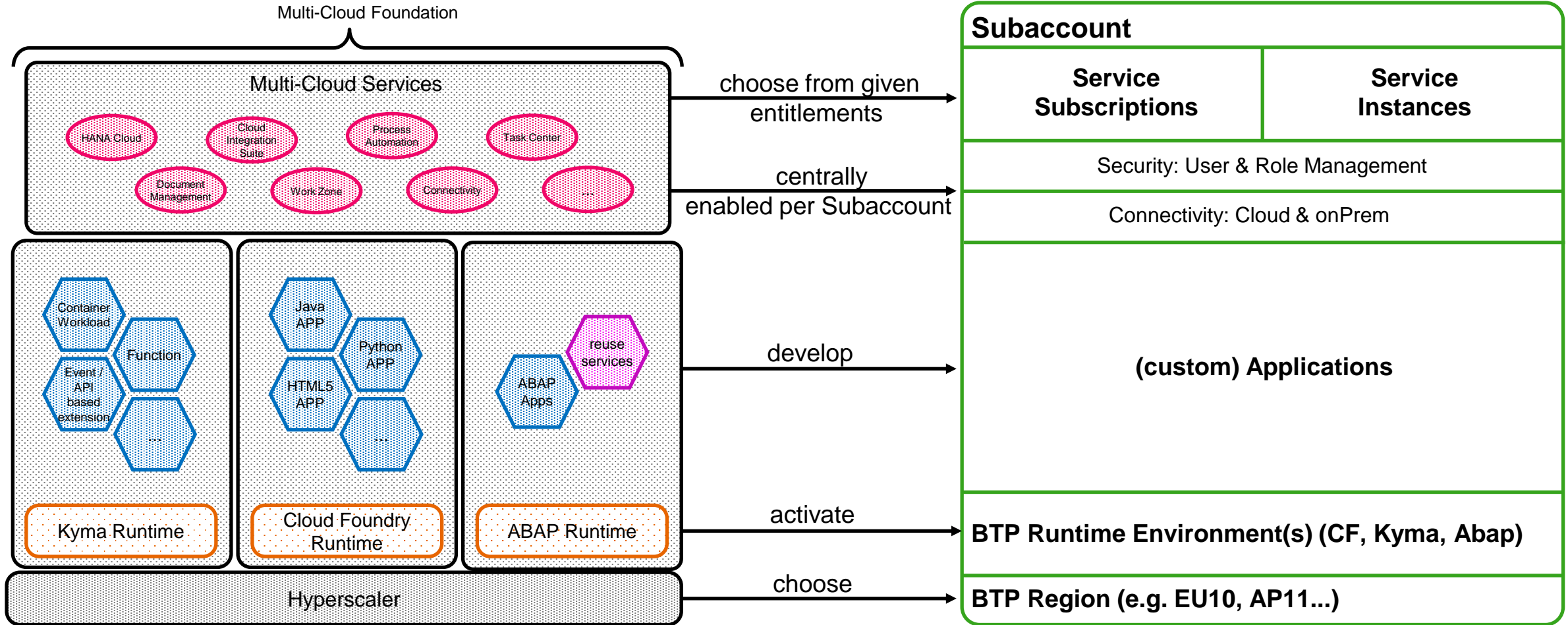


On-Prem Connectivity: SAP Cloud Connector - Simplified approach

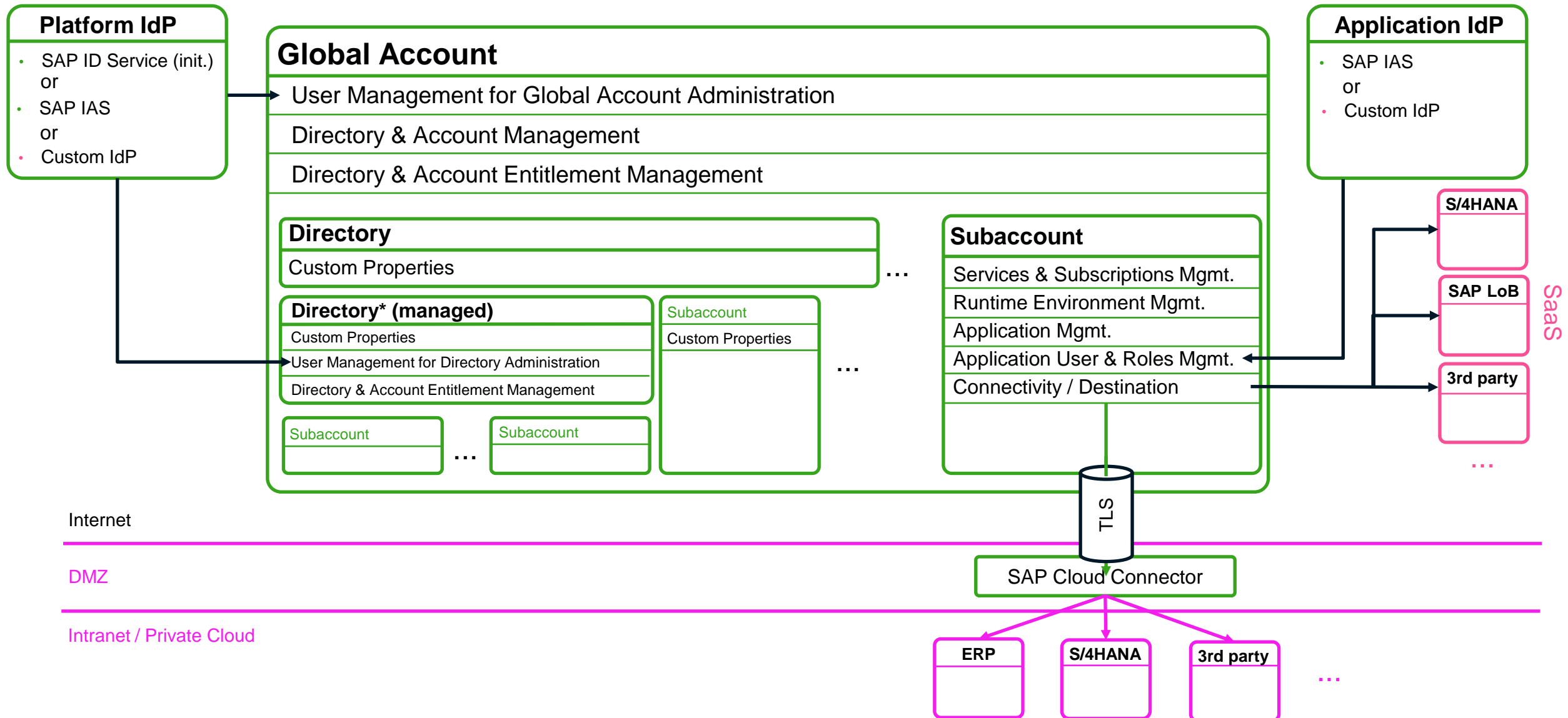
1. On-premise to cloud connection
 - Connection to SAP BTP is established from the on-premise SCC
 - Mutual certificate based authenticated TLS (v1.2) connection
2. SCC endpoint configuration for onPrem endpoint
 - Single endpoint or asterisk based endpoint path
 - SID masking
 - Application whitelisting
3. Destination configuration on subaccount for SCC endpoints
4. Cloud Service / custom app call destination
5. Destination service to route request to SCC
6. SCC to validate and route request to onPrem endpoint
 - Check application white/blacklisting
7. onPrem system to regularly authenticate user
 - Most customers implement Single Sign On functionality



Business Technology Platform: Subaccounts



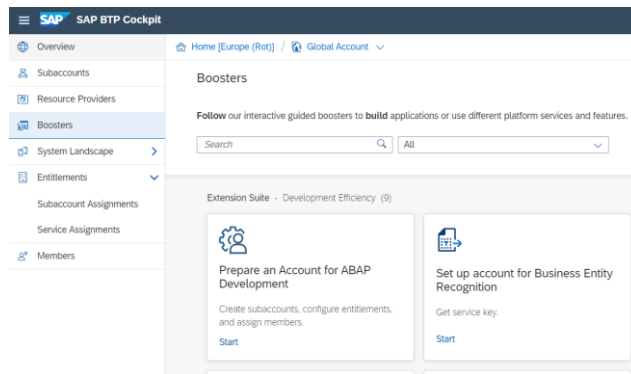
SAP Business Technology Platform – General Concepts



Automation Tools for Admins, DevOps & Developers

Boosters

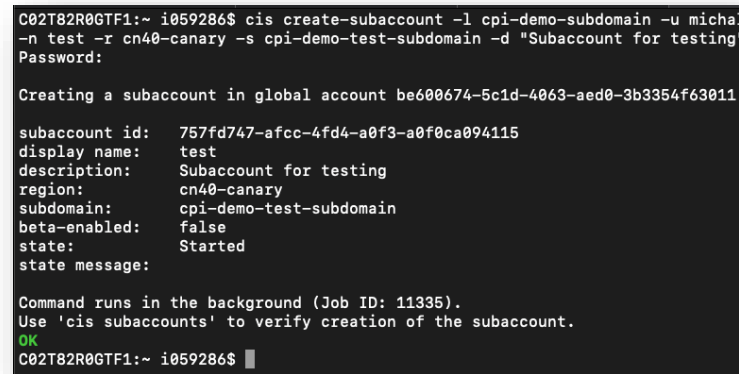
Scenario-based, quick setup



Pre-built and integrated into SAP BTP Cockpit

Command Line Interface

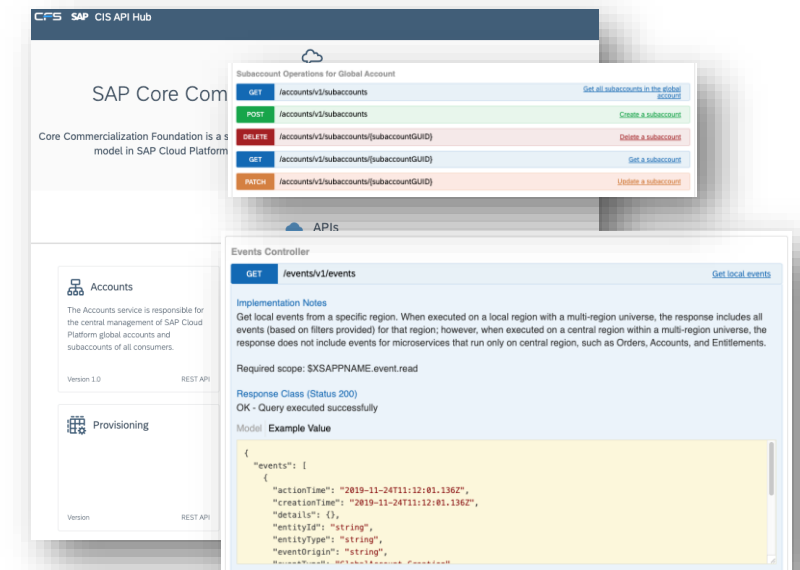
Scripting and DevOps



Easy CLI with built-in help & commands for all available operations

APIs

Account, Entitlement and Provisioning



REST API, Events, Swagger Reference

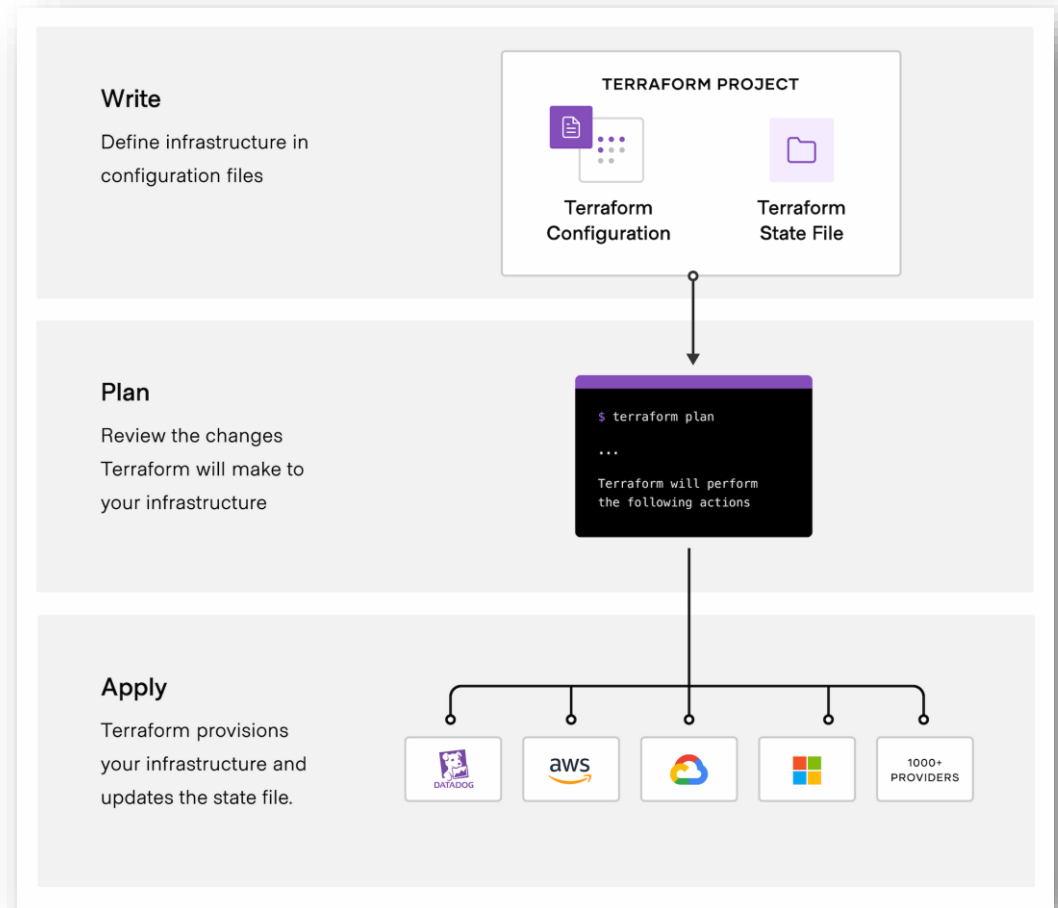
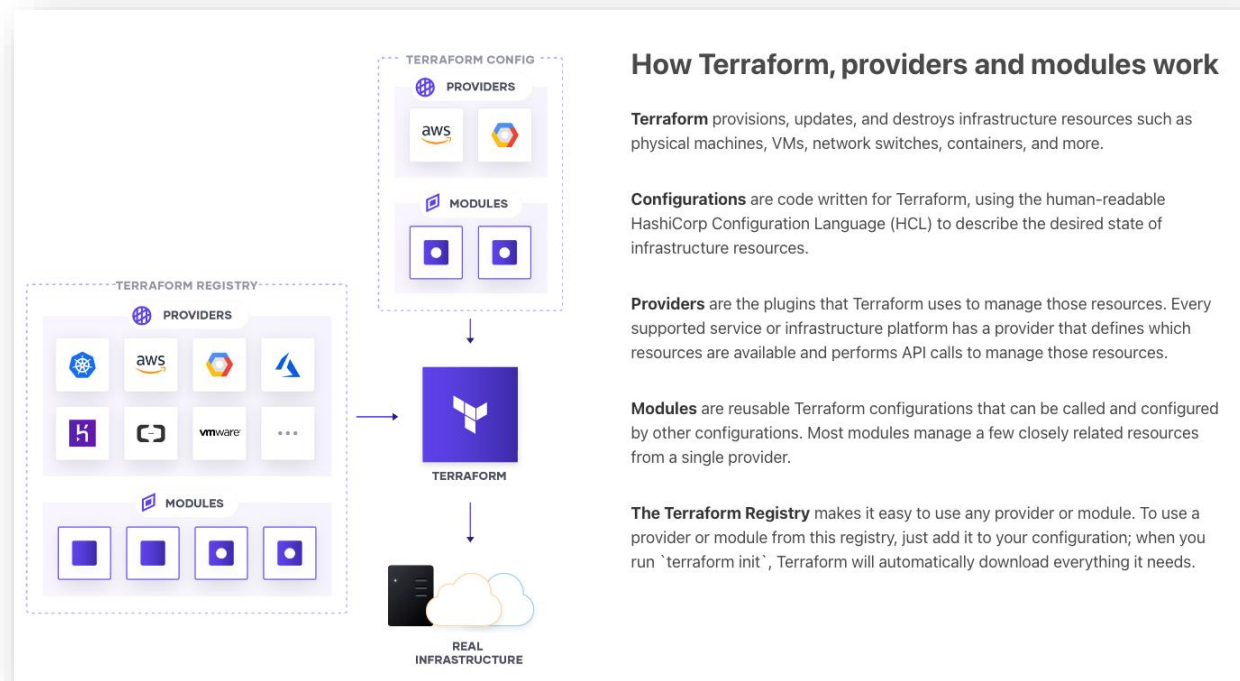
Terraform

Overview

De-facto **industry standard** for infrastructure-as-code

Widely supported by **IT companies**

Currently **> 3000 Terraform providers** available



Cloud services for SAP BTP

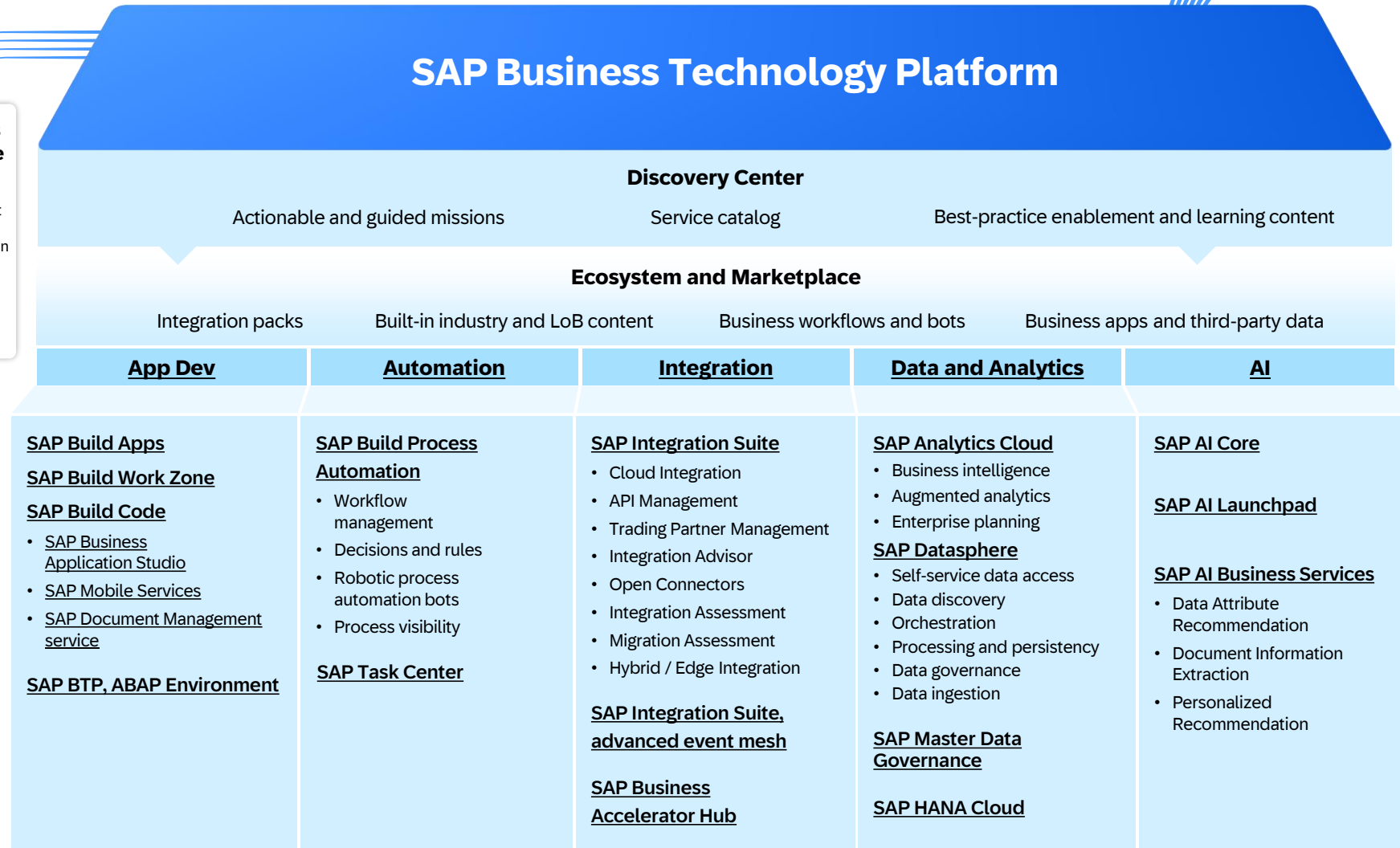
SAP Business Technology Platform

Enterprise readiness with holistic lifecycle management

- Change and deployment management
- Technical ops automation
- Alerting
- Smooth integration option into existing application lifecycle management processes

Enterprise security services and hybrid identity and access management

- Cloud identity services
- Risk and compliance
- Secure development



Learn more

[SAP BTP Innobytes – Monthly innovation highlights](#)

The role of SAP BTP

SAP BTP: Build, enhance, unify, innovate

Business Technology Platform

External Innovation Platform

BTP capabilities to innovate on top and across SAP & 3rd Party apps

Unified SAP Application Experience

BTP capabilities to integrate our application portfolio and enable Suite Qualities

Enhanced SAP App Functionality

BTP capabilities embedded into SAP apps to expand their value proposition

Internal Technology Platform

Help internal SAP teams build new cloud-native apps and modules on BTP

Examples

Cloud Application Programming Model
as a domain-focused framework of languages, libraries, and tools for building enterprise-grade services and applications

SAP Cloud Identity
to enable consistent security and identity management across our SaaS solutions

SAP Build Apps
integrated as a functionality in SAP Service Cloud to enable user to build no-code extensions

SAP Sustainability Control Tower
An independent cloud-based business application built on the SAP Business Technology Platform

SAP Business Technology Platform – Focus for 2024

Cloud Transformation

- Migration support to adopt the latest cloud technologies
- Support of hybrid scenarios to comply with security and legal requirements
- Flexible commercial models for a “grow as you go” approach

Development Experience

- Unified approach to pro-code development
- Continuous support for fusion development teams and “day 2” operations
- Guidance, best practices and tooling

Artificial Intelligence

- AI-based capabilities across products and services
- Gen AI to accelerate development scenarios
- Low entry-barrier for AI use cases

Business Semantics

- Safeguarding the contextual connection across SAP systems
- Support of event-driven architecture and process automations
- Increase of content packages and connectors

Enterprise-Grade Foundation

Where to start? How SAP helps to deliver successful outcomes

SAP Discovery Center

- Realize the use cases as a mission
- Be inspired by [customer stories](#)
- Adapt the architecture
- Analyze cost with an [estimator](#)
- Gain more insights into [road maps](#) and [service plans](#)



Scan this code to learn more

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](#)



Scan this code to learn more

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



Scan this code to learn more

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



Scan this code to learn more

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



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- Start your journey with [Discovering SAP Business Technology Platform](#)



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