



SAP Business Technology Platform (BTP)



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In this blog, the following points are going to be discussed: -

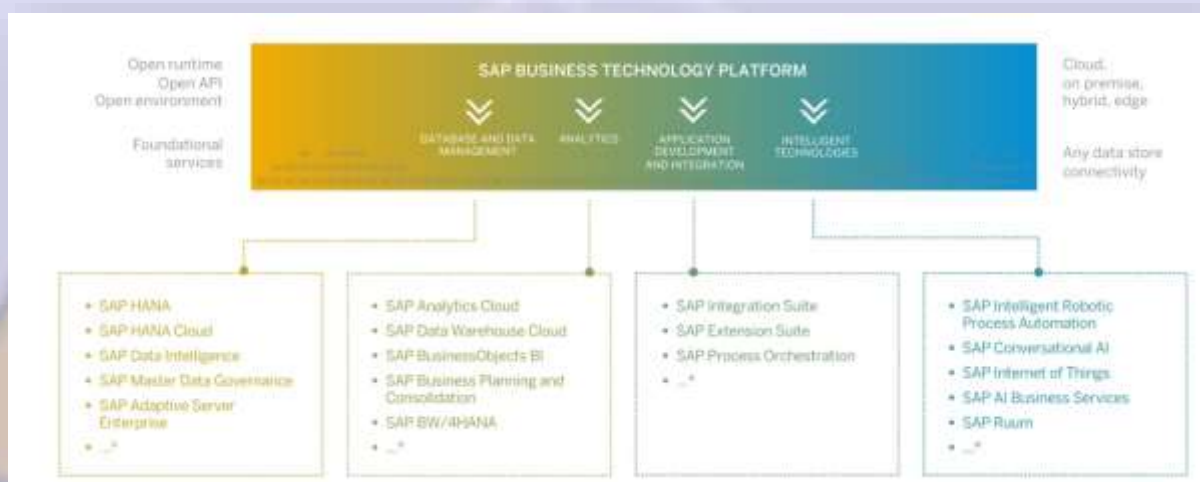
- Understanding SAP BTP and its significance as a business technology platform
- Exploring the reasons to opt for SAP BTP for your business
- Discovering the various applications and use cases of SAP BTP
- Gaining insights into the fundamental concepts of the BTP platform.

What is SAP BTP?

SAP BTP, a fusion of four technology portfolios

- Database and Data management,
- Analytics,
- Application development integration
- Intelligent technology

The platform empowers users to transform data into tangible business value. It facilitates the creation and expansion of SAP applications, as well as the composition of comprehensive end-to-end business processes with efficiency.



Why choose SAP BTP as your business technology platform?

Cloud platforms are currently a trending topic due to the numerous business benefits they offer, such as agility, accelerated innovation, shorter time to market, and enhanced flexibility. SAP BTP is designed to provide the necessary flexibility and autonomy by delivering the technology required to migrate assets to the cloud, integrate IT landscapes, and customize and extend SAP and third-party applications.

In a competitive landscape where various vendors offer unique services alongside some common ones, SAP BTP stands out in certain scenarios. For instance, if your company utilizes the S4HANA system and follows the Fiori UI strategy, and you aim to develop a

custom Fiori app, SAP BTP-Extension Suite is a natural choice, as it provides all the essential tools for this purpose.

Another example is integration, where you can utilize the SAP BTP-Integration Suite to connect your SAP system with non-SAP systems, provided it aligns with your specific needs. To initiate your integration, explore the available connectors and APIs offered by SAP BTP.

What can SAP BTP be used for?

What possibilities does SAP BTP offer? The objective is to rapidly develop and expand SAP applications, which play a crucial role in transitioning to an intelligent enterprise. SAP outlines the following scenarios:

Integration: SAP Integration Suite enables the integration of SAP and non-SAP applications using BTP as a central hub. This integration is achieved through the use of APIs or open connectors.

Extension: SAP Extension Suite allows for the addition of functionality to existing business solutions, whether they are on-premise or cloud-based systems. The extension suite toolbox supports the following steps:

- Connect to your system: Integration Suite, cloud connector.
- Build endpoint (Choose programming model): Workflow management, Cloud Application Programming Model (CAP), RESTful Application Programming Model (RAP).
- Add channels: SAP UI5, Fiori, mobile.
- Deploy and operate (Choose your runtime).

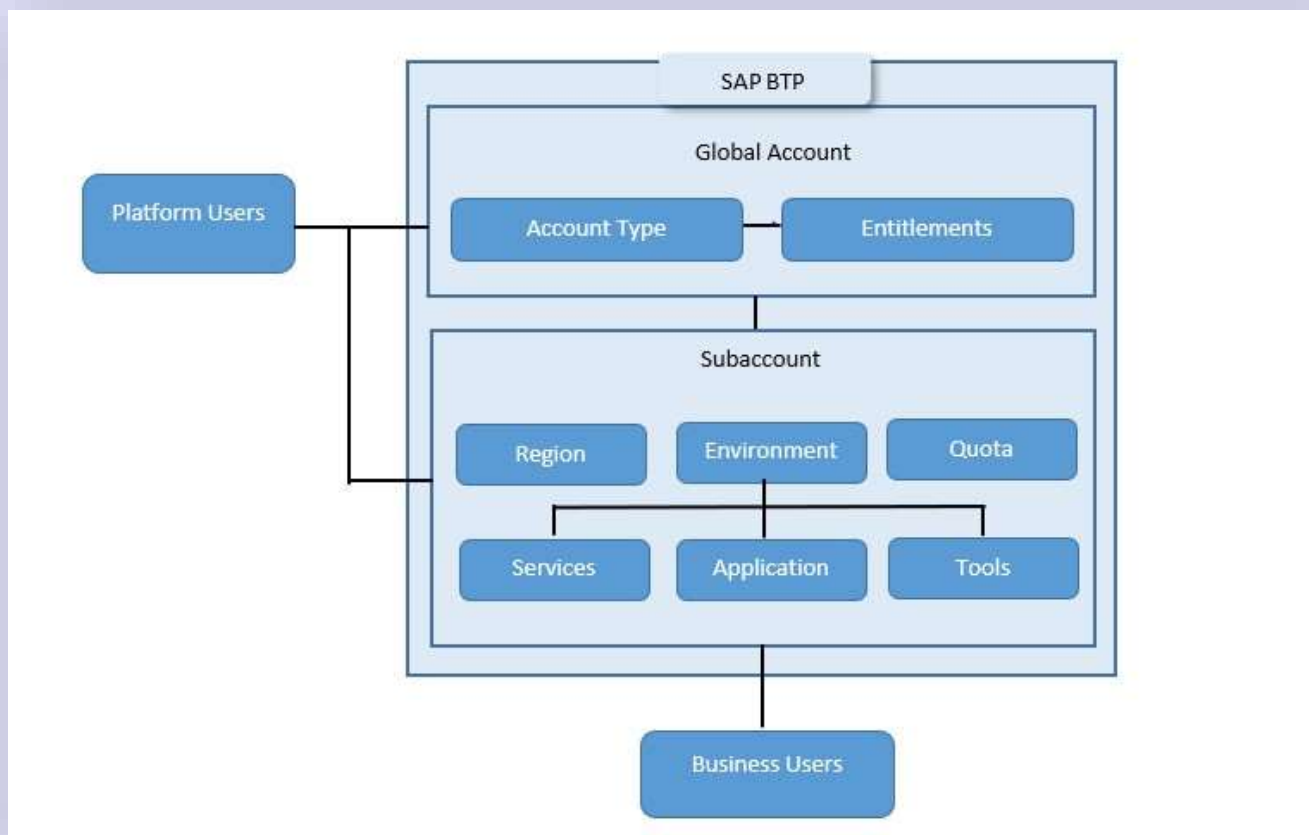
SAP clarifies that BTP is the new name for SCP (SAP Cloud Platform) and comes with an expanded scope. The SAP BTP cockpit serves as the central access point to the cloud platform, allowing users to manage accounts, applications, and associated activities.

Basic Platform Concepts

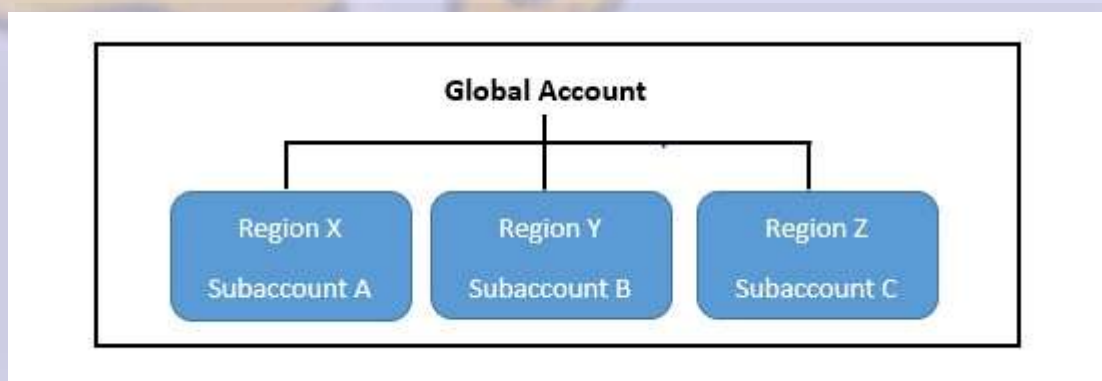
- Global Account
- Subaccount
- Region
- Services
- Environment
- Tools

SAP BTP's comprehensive array of services and solutions is accessible across various multi-cloud infrastructure providers. The multi-cloud foundation encompasses diverse

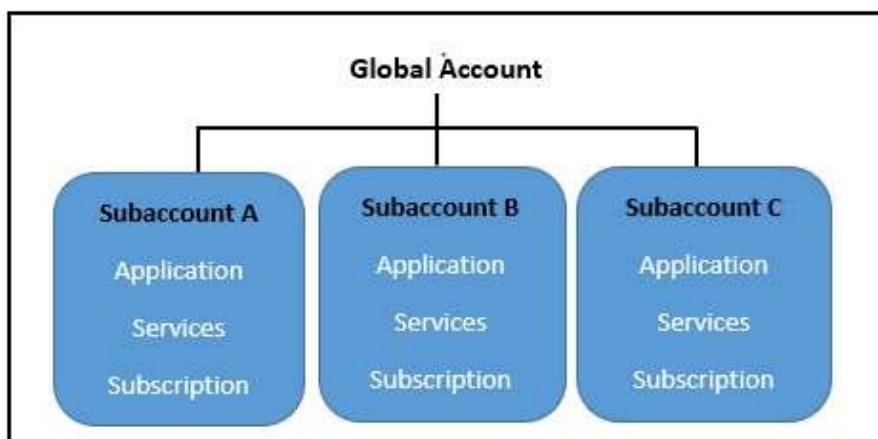
environments like Cloud Foundry, ABAP, and Kyma, spanning different regions and offering extensive language options.



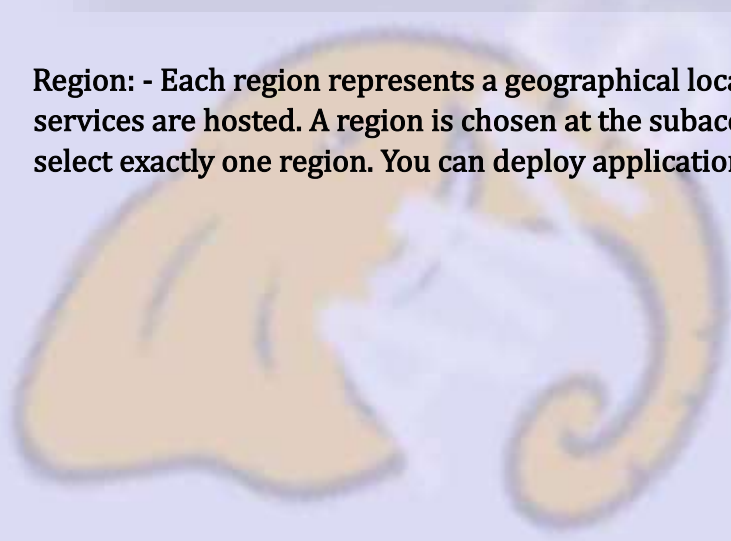
Global Account: - A global account is a realization of a contract you made with SAP. A global account is used to manage the subaccounts, entitlements, Quotas, and members. You receive entitlements and quotas to use platform services per global account and then distribute the entitlements and quotas to subaccount for actual consumption.



Subaccount: - A global account contains one or more subaccounts in which you can deploy applications, use services and manage your subscriptions. Subaccounts in a global account are independent of each other. This is important to consider with respect to security, member management, data management, data migration, data integration, and so on when you plan for your landscape and overall architecture.



Region: - Each region represents a geographical location where applications, data, or services are hosted. A region is chosen at the subaccount level. For each subaccount, you select exactly one region. You can deploy applications in different regions.

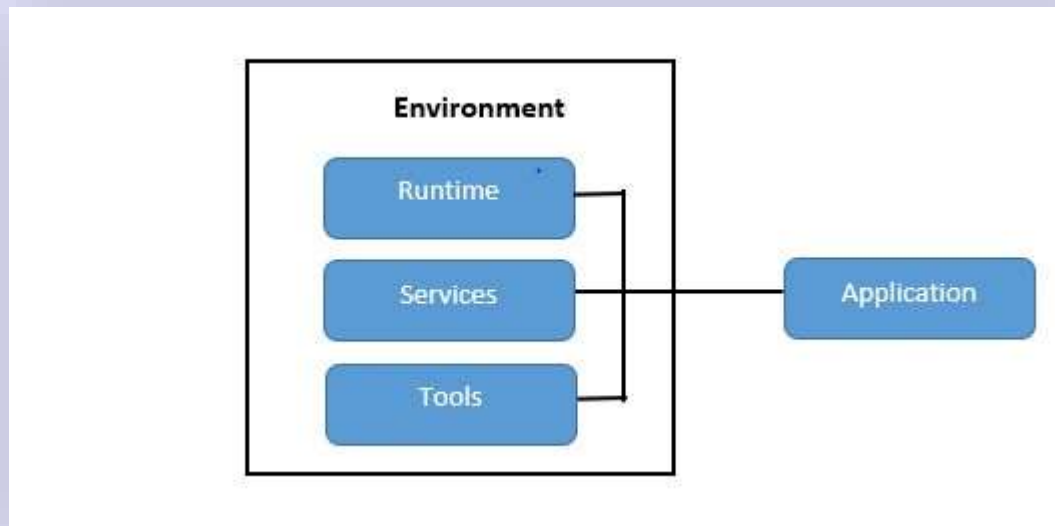




- **Application** - The business applications that you deploy in the region.
- **Services** - Services enable, facilitate or accelerate the development of business applications and other platform services on SAP BTP.
- **Data** - Your business and application data are managed through services like SAP HANA cloud service.
- **Environment** - Environment establishes the actual Platform-as-a-Service (PaaS) offering of SAP BTP that allows for the development and administration of business applications.
- **Infrastructure** - The infrastructure layer is provided by SAP or by one of SAP's Infrastructure-as-a-services (IaaS) partners.

Services: - SAP BTP offers services to integrate data and to build/extend applications. BTP services are reusable services, which a developer can use without worrying about the backend implementation of the services. Developers can choose the services according to business needs and build the applications by using different services.

Environment: - Each environment comes with Tools, technologies, and runtime that you need to build your application. The availability of different environments allows for greater flexibility in your development process.



The following environments are available:

Cloud Foundry Environment: -

The cloud foundry environment allows you to create several cloud applications in the cloud foundry environment. It contains SAP BTP, a cloud foundry runtime service, which is based on an open-source application platform managed by the cloud foundry foundation.

ABAP Environment: -

Within the cloud foundry environment, you can create a space for ABAP development. This is what we refer to as the ABAP environment. It allows us to extend the ABAP-based products, like the SAP S4HANA cloud, and develop new cloud applications. Also, you can transform existing ABAP-based code or extensions to the cloud.

Kyma Environment: -

Kyma environment provides fully managed Kubernetes runtime based on the open-source project kyma. This environment allows developers to extend SAP solutions with serverless functions and combine with them containerized microservices.

Neo Environment: -

The Neo environment allows you to develop HTML, Java, and SAP HANA extended applications. The Neo environment also allows you to deploy solution on SAP BTP.

Tools: - SAP BTP includes many tools to help you develop and manage applications, and connect them to your on-premise system.

The following tools are available:

- **SAP Business Application Studio (SAP BAS):** - Used to develop, debug, test, and deploy SAP business applications.
- **SAP BTP Command Line Interface (CLI):** - Command line tool for account management such as global accounts, subaccounts, directories, environments, entitlements, subscription, and user and their authorization.
- **Command Line Interface for cloud foundry (CF CLI):** - The cloud foundry command line interface allows you to work with the cloud foundry environment to deploy and manage applications.

Conclusion

SAP BTP encompasses a wide range of products and capabilities. To maximize the benefits of their operations and initiatives, SAP customers must identify the specific BTP components that will add value and implement them strategically. When it comes to free trials of SAP BTP, you can take advantage of the opportunity to explore nearly 50+ services through the free trial offer. This allows you to assess the functionality of the services you are interested in and make informed decisions accordingly.



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