



Feature Scope Description | PUBLIC  
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# Feature Scope Description for SAP BTP, Cloud Foundry, ABAP, and Kyma Environments

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# 1 About This Document

This document describes the features that are available in SAP BTP.

The availability of some of them may depend on your license agreement with SAP. To illustrate integration with other SAP offerings, the product documentation on the SAP Help Portal might include references to features that aren't included with SAP BTP. Features that are not included in this feature scope description might require a separate license.

## 2 Platform Features

SAP BTP environments provide comprehensive application development services and capabilities that let you develop new cloud applications, extend existing on-premise and cloud solutions, and integrate applications in the cloud.

The multi-cloud foundation supports multiple environments, such as SAP BTP, Cloud Foundry, ABAP, and Kyma, as well as multiple different regions, and a broad choice of programming languages.

### Note

Features of services that are separately licensed are described in the service-specific feature scope descriptions linked from the service pages in the *SAP Discovery Center - Service Catalog*.

For an overview of all available services and their features, see *SAP Discovery Center - Service Catalog*.

The SAP BTP, Cloud Foundry, ABAP, and Kyma environments come with a set of developer and administration tools that enable you to use the following features:

### 2.1 Account Administration

Use different user interfaces to operate your accounts.

Account Administration

Feature	Description	
Manage your accounts using different user interfaces.	<b>Work with the web-based user interface</b>	Perform account operations using the web-based administration user interface.
	<b>Work with the command-line tool</b>	Perform account operations using the command-line interface.
	<b>Work with APIs</b>	Manage, monitor, and automate account operations using REST APIs.

Feature	Description	
Set up and manage your account model.	<b>Manage with directories and subaccounts</b>	Use subaccounts to deploy applications, use services, and manage your subscriptions. Structure your global account by subaccounts according to organizational and project requirements. Optionally, organize subaccounts into directories to suit technical and business needs.
	<b>Manage deployments across different regions</b>	Choose between different infrastructure providers and regions when creating new subaccounts.
	<b>Organize and filter directories and subaccounts</b>	Label or tag your directories and subaccounts using custom properties according to your own business and technical needs.
Manage entitlements and quotas.	<b>Manage entitlements and quota</b>	Manage the assignments of product entitlements and quotas from your global account to any of your directories and subaccounts.
Manage remote resources.	<b>Manage service provider resources</b>	Connect to provider accounts of a non-SAP cloud vendor and consume remote service resources that you already own, and that are supported.
Manage users.	<b>Manage users on global account, directory, and subaccount level</b>	Add users as account members and manage their authorizations.
Monitor usage information and costs.	<b>Monitor usage and consumption costs</b>	Gather, store, and make usage information available for all services and applications in all regions in a cloud deployment, for the purpose of central analysis, reporting, and license auditing.
	<b>View usage analytics</b>	Explore, compare, and analyze usage information for the services and applications that are available in your global accounts, directories, and subaccounts.
	<b>Work with APIs</b>	Generate reports based on the resource and cost consumption within your accounts using REST APIs.
Manage environments.	<b>Provision environments</b>	Manage the provisioning of environment instances and tenants, such as a Cloud Foundry org, in a subaccount.

Feature	Description
Manage application subscriptions.	<b>Subscribe to applications</b> Subscribe your subaccounts to multitenant applications that are provided by SAP or developed by your organization and hosted in your provider account.

## 2.2 Service Management

Manage services and register different platforms.

Service Management

Feature	Description
Manage environments, service instances, service brokers, service bindings, service offerings, and service plans.	<b>Manage platforms</b> Register your platform and enable it to natively consume SAP BTP services.
	<b>Manage service instances</b> Use service instances to instantiate the SAP BTP service offerings and enable their functionalities.
	<b>Manage service bindings</b> Use service bindings to get access details for an existing service instance with which you are working.
	<b>Service discovery</b> List all SAP BTP service offerings available for consumption in your account.
	<b>Runtime instance management</b> Provision and manage service instances at runtime, using the SAP Cloud Service Management service API groups.

## 2.3 Connectivity, Extensibility, Integration

Facilitate integration with on-premise systems running software from SAP and other vendors.

Connectivity, Extensibility, Integration

Feature	Description	
Connectivity between cloud applications and on-premise systems.	<b>Access on-premise systems</b>	Easier, faster deployment of hybrid solutions compared to traditional reverse proxy approaches with no firewall configuration changes.
	<b>Choose from multiple supported protocols</b>	Access HTTP and RFC protocols for cloud to on-premise communication and JDBC/ODBC for communication with cloud databases.
	<b>Access cloud databases via JDBC/ODBC</b>	Access your cloud databases as if they're running locally in your network, using your existing database or replication tools.
	<b>Propagate cloud user identity</b>	Enable users to log on to on-premise systems without providing a password, by forwarding their logged-on identity from the cloud.
	<b>Benefit from multitenancy support</b>	Use this service in tenant-aware (multitenant) applications. Run them on a shared compute unit that can be used by multiple consumers (tenants).

Feature	Description
Connect to SAP solutions.	<b>Consume SAP S/4HANA Cloud APIs</b> Allow applications running in Cloud Foundry and Kyma environments to consume SAP S/4HANA Cloud APIs.
	<b>Enable the Consumption of SAP S/4HANA Cloud Events</b> Connect SAP Enterprise Messaging and the SAP S/4HANA Cloud tenant so that SAP S/4HANA Cloud events can be produced and then consumed by applications running in the Cloud Foundry and Kyma environments.
	<b>Consume SAP SuccessFactors HXM Suite OData API</b> Allow applications running in the Cloud Foundry and Kyma environments to consume SAP SuccessFactors APIs.
	<b>Consume APIs of SAP Customer Experience Products</b> Allow applications running in the Kyma environment to consume SAP Commerce Cloud, SAP Field Service Management, and SAP Cloud for Customer APIs.
	<b>Register SAP solution systems</b> Register SAP systems of type SAP S/4HANA Cloud, SAP SuccessFactors, SAP Commerce Cloud, SAP Cloud for Customer, and SAP Field Service Management using integration tokens.
	<b>Add different SAP systems to a formation</b> <p>Assign one or more SAP systems of different SAP solutions to a formation.</p> <p>For SAP systems of type SAP Commerce Cloud, SAP Cloud for Customer, and SAP Field Service Management, enable the access to the APIs of the corresponding solution.</p> <p>For SAP systems of type SAP S/4HANA Cloud and SAP SuccessFactors, and a formation using Cloud Foundry or Kyma environment, assign the required entitlements and creating a service instance to be able to consume the respective APIs.</p>

**Note**

For additional and separately licensed integration offerings, see *SAP Discovery Center - Service Catalog*.



## 2.4 Security

Support the security policies of your organization.

Security

Feature	Description	
Manage application authorizations and trusted connections to identity providers.	<b>Use a default identity provider</b>	Enable user management for your applications using a pre-configured default identity provider.
	<b>Use an external identity provider</b>	Enable customized user management for your applications using an external identity provider.
	<b>Develop applications with role-based access.</b>	Grant users access to your applications based on roles.
	<b>Manage authorizations for users</b>	Define customized application roles based on standard roles, aggregate them into role collections, and assign them to users.
	<b>Manage authorizations for applications</b>	Using authorization models, enable applications to communicate with other applications and services consumed by these applications.
	<b>Connect to SAP BTP using TLS</b>	Connect to SAP BTP using HTTP clients that support Transport Layer Security (TLS) version 1.2 or higher.

Feature	Description
Write, store, and retrieve audit data for your subaccount and global account.	<b>Audit Log Retrieval API</b> (default capability) Download and preview audit data within the default retention period is ensured as part of the Auditlog Management Service. To retrieve the audit logs stored for your global account, create a support ticket on component BC-CP-CF-SEC-AUDITLG
	<b>Audit Log Viewer</b> (default capability) The SAP Audit Log Viewer displays the audit logs for your subaccount, produced by SAP applications and services you've subscribed to.
	<b>Audit Log Write API</b> (default capability) Write compliance audit data from SAP BTP services and applications through oAuth2 service plan. (advanced capability) Write audit data from your own BTP applications.
	<b>Audit Log Retention</b> (default capability) Securely store audit data for a default retention time of 90 days with no additional costs applied. (advanced capability) Configure the retention period. To do so, create a support ticket with component BC-CP-CF-SEC-AUDITLG.
Scan business documents uploaded by your custom-developed apps for malware.	<b>Reduce malware in your environment</b> Check your application and storage for malware. Integrate this service with your custom-developed apps running on Cloud Foundry.
	<b>Help meet compliance requirements</b> Scan automatically for malware on upload and download of business documents. When your apps upload business documents, your apps can call the SAP Malware Scanning service to check for viruses or other malware.

**Note**

For additional and separately licensed security offerings, see *SAP Discovery Center - Service Catalog*.

## 2.5 Runtimes

Build applications using different runtimes, technologies, and tools.

### Note

Most of the runtimes listed in the following table are separately licensed, that is, they are not included in the overall SAP BTP contract. To learn more about the pricing options for these runtimes, see *SAP Discovery Center - Service Catalog*.

Runtimes

Feature	Description
Develop applications and extensions and transform custom code to the cloud.	<b>Develop ABAP Cloud applications</b> Use the ABAP RESTful Application Programming Model (RAP) with its data modelling capabilities based on SAP HANA Cloud to develop SAP Fiori applications and web services in the cloud. Access a variety of SAP BTP services to implement innovative use cases.
<b>Note</b> Separately licensed	<b>Extend SAP and non-SAP applications</b> Leverage the SAP BTP connectivity infrastructure to extend SAP and non-SAP applications running on premise and in the cloud.
	<b>Utilize a modern development toolset</b> Use Eclipse-based ABAP Development Tools (ADT) as an environment for your ABAP development projects.
	<b>Manage the code lifecycle</b> Make use of a default integration with Git to execute lifecycle management activities.
	<b>Migrate custom code to the cloud</b> Leverage a comprehensive set of tools to analyze and transform your custom ABAP assets to the cloud.

Feature	Description	
Develop and run applications and extensions using Cloud Foundry.	<b>Develop polyglot applications</b>	Build on open standards with SAP Java, Node.js, and Python buildpacks or bring your own language with community buildpacks for PHP, Ruby, Go.
<div style="background-color: #f0f0f0; padding: 5px;"> <p><b>Note</b></p> <p>Separately licensed</p> </div>	<b>Manage the lifecycle of applications</b>	Start, stop, scale, and configure distributed cloud applications using standard Cloud Foundry tools, our web-based administration user interface for SAP BTP, and dev-ops capabilities.
	<b>Optimize development and operations</b>	Use the rich set of SAP BTP services including messaging, persistence, and many other capabilities, such as built-in security, compliance, elastic scale, and high-availability setup.
	<b>Use the application programming model</b>	Use programming languages, libraries, and APIs tailored for full-stack application development.
	<b>Manage Cloud Foundry orgs and spaces</b>	Create and delete Cloud Foundry orgs and spaces and add members. Create, assign, and change space quota plans.
	<b>Use built-in cloud-native capabilities</b>	Utilize cloud-native principles built into the platform, such as containerization and multitenancy, to create resilient, portable, and efficient applications.
	Scale your applications automatically.	<b>Scale your applications automatically</b>
<b>Make your scaling resource-specific</b>		Scale your applications on the basis of any standard metric type, such as memory consumed, CPU, response time, or throughput.
<b>Define custom metrics</b>		Scale your applications by defining custom metrics that match their requirements.
<b>Manage your costs effectively</b>		Only consume and pay for the compute resources, which your applications require.

Feature	Description		
Develop and run HTML5 applications	<b>Zero Down-Time Enablement</b>	The HTML5 applications are decoupled from the consuming application router. This enables updating the static content of the HTML5 applications without restarting the application router in SAP BTP.	
	<b>Versioning and Authorization</b>	Exploration of HTML5 application content by version. Access control that is based on private or public authorization. When the HTML5 application is public, the service enables sharing this content with consuming application routers from different spaces.	
	<b>Availability and Performance</b>	During runtime, the HTML5 application content is cached and optimized to provide high performance with minimal network load. The service provides several instances for a runtime to serve a high load of application requests.	
	<b>Benefit from multi-tenancy support</b>	Use this service in tenant-aware (multitenant) applications. Run them on a shared compute unit that can be used by multiple consumers (tenants).	
Develop containerized applications and extensions on Kubernetes using Kyma.	<div style="background-color: #f0f0f0; padding: 5px;"> <p><b>Note</b></p> <p>Separately licensed</p> </div>	<b>Microservice and serverless extensions</b>	Use the Kubernetes-based capabilities provided by SAP BTP and the project "Kyma" to extend SAP solutions with cloud-native microservices and serverless Functions.
		<b>Event-driven architecture</b>	Build API- and event-based extensions which can be triggered on demand. Allow smooth event processing and delivery.
		<b>Fully managed environment</b>	Use the benefits of fully managed service mesh and connectivity capabilities based on open-source components and open standards.
		<b>Consumption-based model</b>	The consumption-based model enables you to scale the runtime according to your business needs.

Feature	Description	
Develop extensions using a serverless architecture.	<b>Holistic user experience</b>	The Extension Center business application provides a full-fledged user interface to build and manage your serverless extensions.
<div data-bbox="199 405 788 524" style="background-color: #f0f0f0; padding: 5px;"> <p data-bbox="220 416 319 448">📌 Note</p> <p data-bbox="220 472 416 499">Separately licensed</p> </div>	<b>Fully-managed environment</b>	Run your cloud-native extensions in a fully-managed, serverless environment decoupled from your digital core.
	<b>Extend business logic</b>	Create serverless functions that can be triggered on demand as defined in your extension.
	<b>Connected systems</b>	Connect your SAP systems to access highly available, scalable, and resilient OData APIs.

## 2.6 Services

The following services are part of the overall SAP BTP contract.

Services

Feature	Description	
Control rollout of features	<b>Switch a functionality on and off</b>	Using the Boolean feature flags, you can receive either true or false when evaluating the flag.
	<b>Use different variations</b>	Using the String feature flags, you can receive have two or more text variations when evaluating the flag.
	<b>Use a direct delivery</b>	You can activate a certain functionality for a dedicated set of values of the identifier query parameter that your application sends to the SAP Feature Flags service when the feature flag is evaluated.
	<b>Use a percentage delivery</b>	You can distribute the variations you have defined among your tenants without targeting specific ones.
	<b>Export and import flags</b>	You can export all the flags from one service instance and import them in another, keeping all the settings.
	<b>Benefit from multitenancy support</b>	Use this service in tenant-aware (multitenant) applications. Run them on a shared compute unit that can be used by multiple consumers (tenants).

### 📌 Note

Services that are separately licensed are described in the service-specific feature scope descriptions linked from the service pages in the *SAP Discovery Center - Service Catalog*.

For an overview of all available services and their features, see *SAP Discovery Center - Service Catalog*.

# 3 Product Availability

This section describes the product availability aspects.

Availability Aspect	Description
Platform availability	<ul style="list-style-type: none"><li>• Latency: network latency depends on various factors, no precise information can be provided on a general level</li><li>• Resilience: system can regain stable state after disruption</li><li>• Scalability: system responds to peaks in resource requirements</li></ul> <p>For more information on availability, see <a href="#">SAP Trust Center</a> &gt; <a href="#">Agreements</a> &gt; <a href="#">Cloud Services Agreements</a> &gt; <a href="#">Service Level Agreement for SAP Cloud Services</a>.</p>
Regions	SAP BTP is hosted in different regions. For information on the availability of SAP BTP services according to region and infrastructure provider, see <a href="#">SAP Discovery Center</a> .
Infrastructures	SAP BTP runs on several underlying <i>Infrastructure-as-a-Service</i> technologies and regions owned by our partner infrastructure providers, including Amazon Web Services, Microsoft Azure, Google Cloud, and Alibaba Cloud.
Environments	SAP BTP offers the following environments: <ul style="list-style-type: none"><li>• Cloud Foundry</li><li>• ABAP</li><li>• Kyma</li></ul> <p>For more information, see <a href="#">Runtimes [page 11]</a>.</p>
Languages	The central web-based administration user interface for SAP BTP is available in the following languages: <ul style="list-style-type: none"><li>• Chinese</li><li>• English</li><li>• Japanese</li><li>• Korean</li></ul> <p>For language availability of other user interfaces refer to the respective detailed feature scope description.</p> <p>The related documentation on SAP Help Portal is available in the following languages:</p> <ul style="list-style-type: none"><li>• Chinese</li><li>• English</li><li>• Japanese</li></ul>



Availability Aspect	Description
Accessibility	<p>SAP BTP provides accessibility support in its administration and development tools, and the customer documentation. This includes:</p> <ul style="list-style-type: none"><li>• High-contrast black theme for the administration UI</li><li>• Texts and information</li><li>• UI elements via attributes and element IDs</li><li>• Orientation and navigation throughout the UI</li><li>• User interaction</li></ul>

### Note

Further restrictions may apply when using the product on an infrastructure hosted by a third-party provider.

For more information, see [SAP Trust Center](#).

# 4 Compliance and Security

SAP BTP environments ensure cloud security at multiple levels.

## Note

These compliance and security standards apply to regions operated by SAP. For more information about the security compliance for regions operated by an SAP partner, contact your operator.

## Certificates and Reports

SAP BTP environments regularly undergo audits and reviews of its policies and controls.

- For the complete list of compliance and security standards that the cloud platform is compliant with, see [SAP Trust Center > Compliance](#) and search for *SAP Business Technology Platform ISO*.
- For the complete list of Service Organizational Control (SOC) audit reports available for the cloud platform, see [SAP Trust Center > Compliance](#) and search for *SAP Business Technology Platform SOC*.

## Data Protection

SAP BTP environments follow SAP's global data protection and privacy guidelines. For more information on the guidelines, see [SAP Trust Center > Privacy](#).

To access the Personal Data Processing policy for your region, see [SAP Trust Center > Agreements > Data processing agreement](#).

# 5 Service Level Agreement

This agreement document for cloud service offerings from SAP forms the basis of your contractual relationship with SAP when referenced in specific order forms.

This document contains a specific section about SAP BTP covering uptime, credits, update windows, and others.

For more information, see [▶ SAP Trust Center](#) [▶ Agreements](#) [▶ Cloud Services Agreements](#) [▶ Service Level Agreement for SAP Cloud Services](#) [▶](#).

## Note

The Service Level Agreement for SAP Cloud Services covers cloud service offerings that are operated by SAP. For more information about the service level agreement for cloud service offerings operated by an SAP partner, contact your operator.

## 6 Browser Support

For UIs of the platform itself, such as the web-based administration interface for SAP BTP, the following browsers are supported on Microsoft Windows PCs and, where mentioned below, on macOS:



Browser	Versions
Mozilla Firefox	Extended Support Release (ESR) and latest version
Microsoft Edge (chromium-based)	Latest Current Branch for Business
Google Chrome	Latest version
Safari	Latest 2 versions (for macOS only)

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