

The Universe of SAP BTP in a Nutshell – Platform Security



SAP BTP Security Team
2023



SAP's vision is to enable networked intelligent, sustainable, and secure enterprises that deliver business and societal outcomes . . .



1. Build securely

We build secure-by-design solutions.



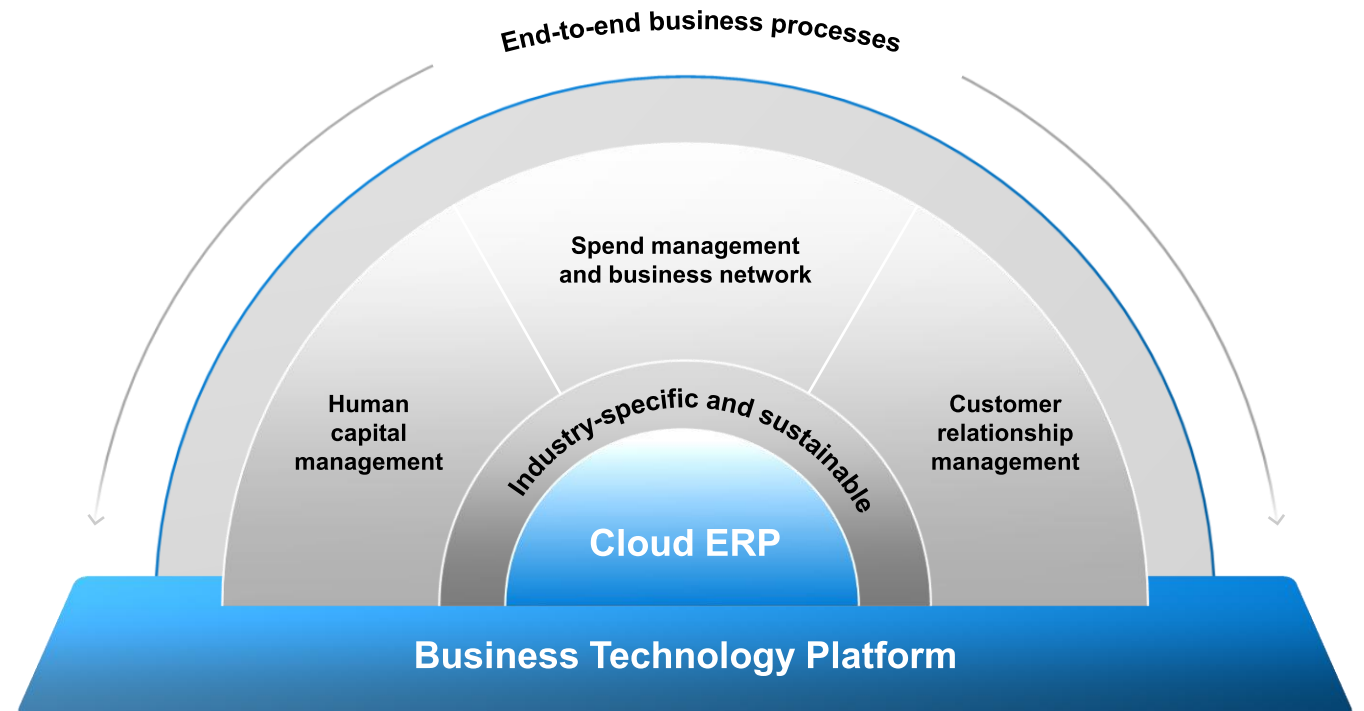
2. Run securely

We run cloud operations securely.

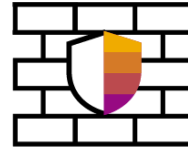


3. Act securely

We foster a security-first culture in everything we do.



Pillars of security for SAP BTP



1. Build securely

We build secure-by-design solutions.



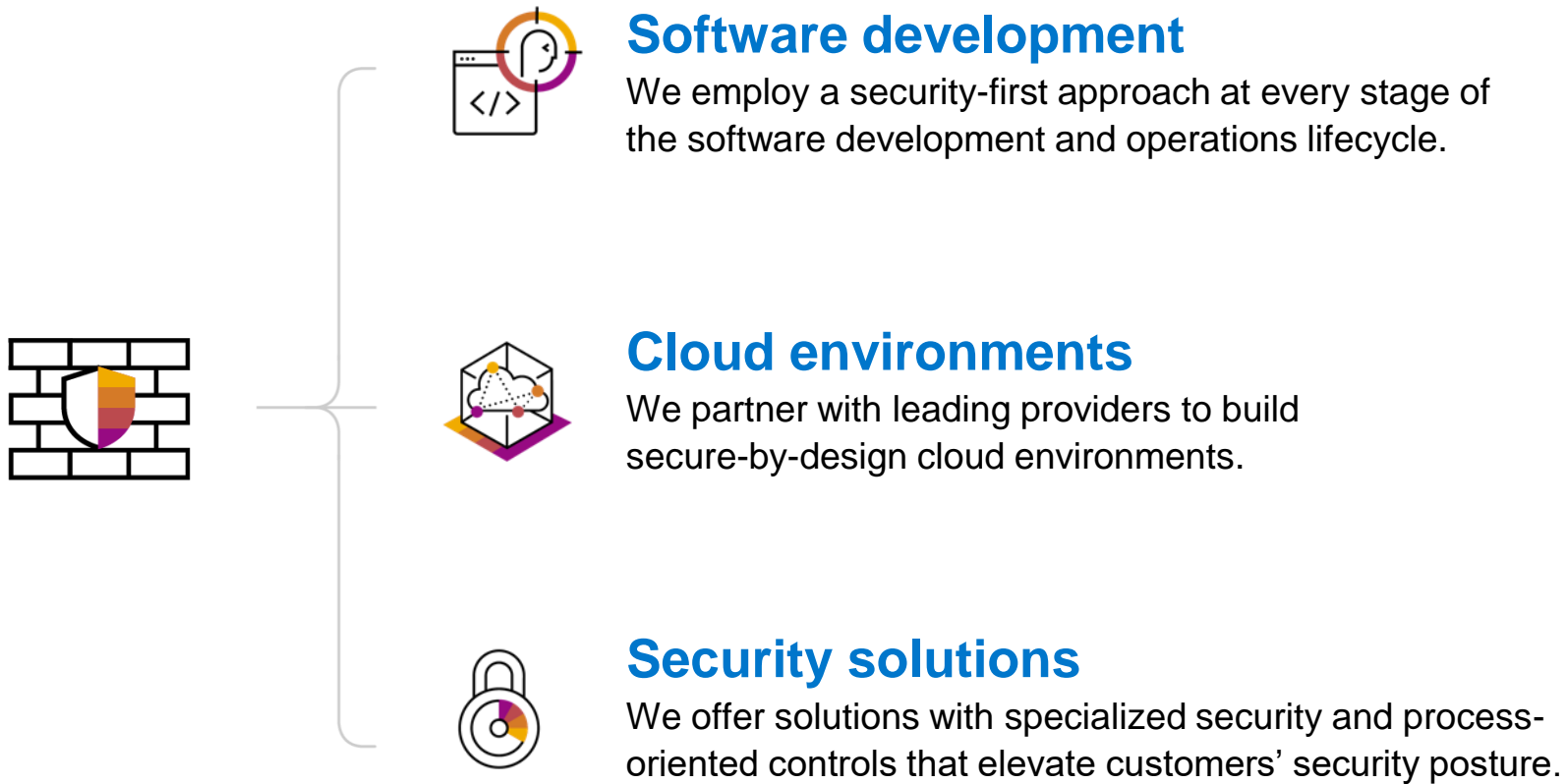
Secure cloud software development



Leading security, data protection, and privacy features



We Build Secure-by-Design Solutions



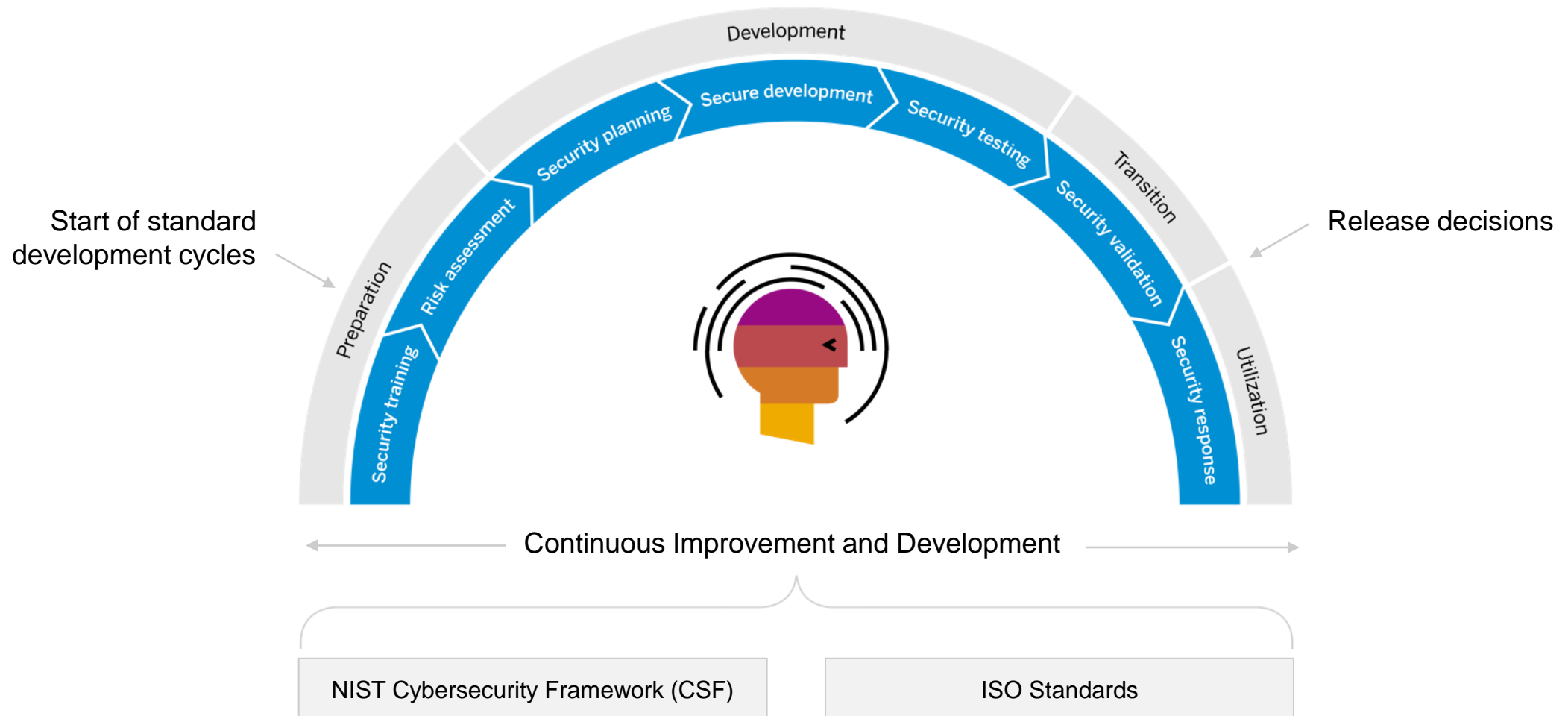


1. BUILD



Software development

Phases in the Secure Software Development and Operations Lifecycle (SecSDOL)



SAP BTP Services to Build **Secure Applications**



1. BUILD



Software
development



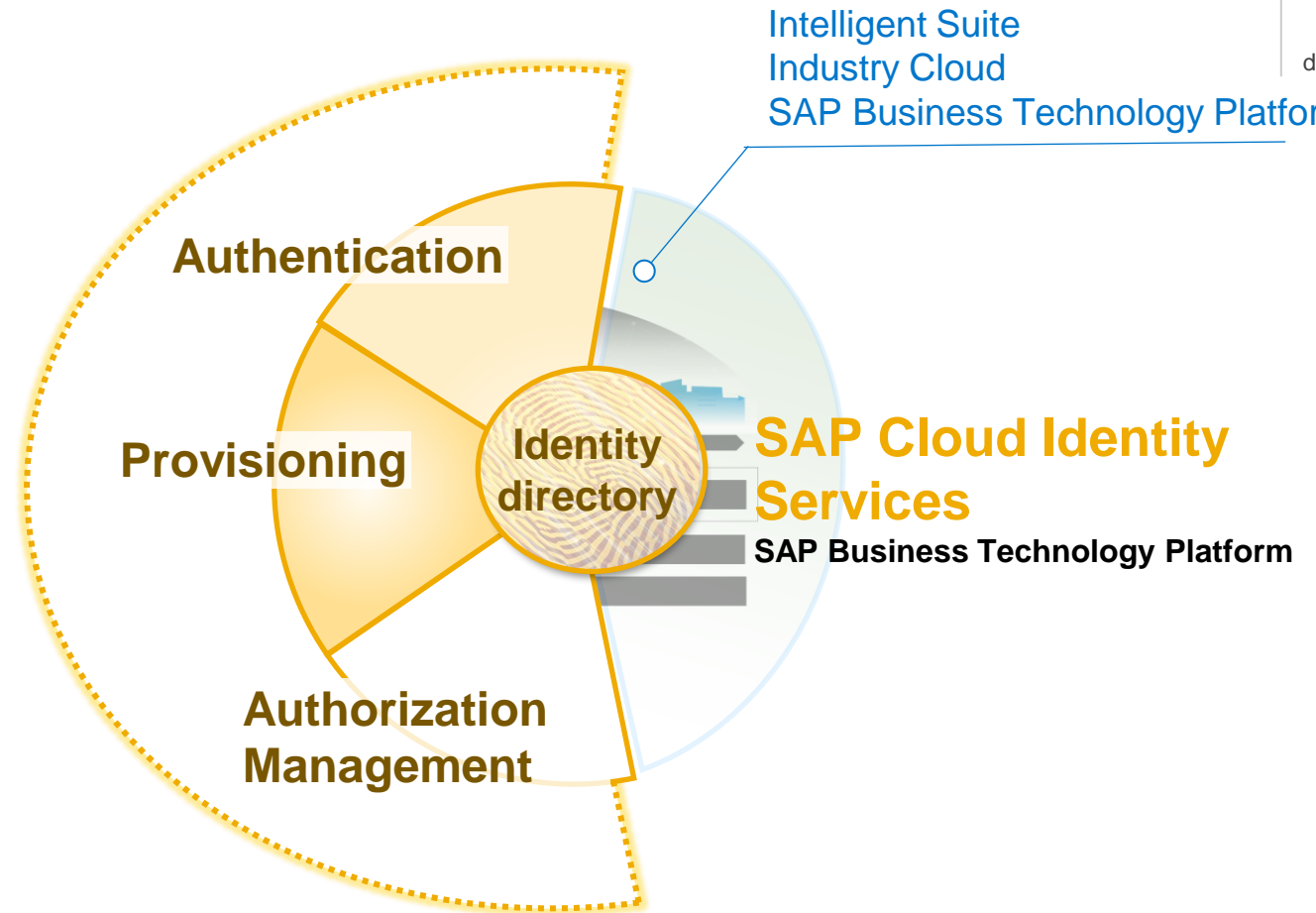
SAP Cloud Identity Services

SAP Cloud Identity Services are the **default** to authenticate and provision users in cloud solutions from SAP.

- Identity authentication
- Identity provisioning
- Authorization management
- Integrated through the common identity directory

The number of **pre-integrated SAP solutions** that require **SAP Cloud Identity Services** will increase.

One cloud service from SAP is used to integrate any 3rd party identity management (IDM) system.



1. BUILD



Software development

SAP Cloud Identity Services - Identity Authentication



1. BUILD



Software
development

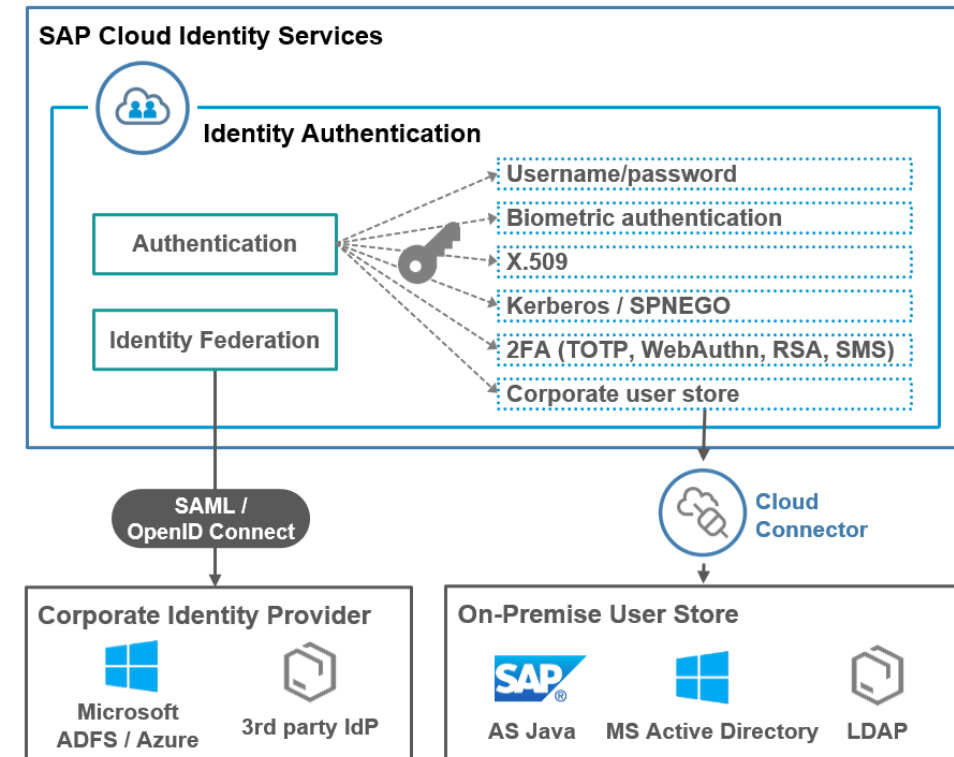
Identity Authentication is a cloud service for authentication, single sign-on (SSO) and user management for SAP cloud applications. It can act as an identity provider itself or be used as a proxy to integrate with an existing single sign-on infrastructure. Identity Authentication is a component of SAP Cloud Identity Services.

Benefits

- Central SSO endpoint for SAP cloud applications
- Harmonize the authentication mechanisms and user management across SAP cloud applications
- Flexible enforcement of stronger means of authentication (multi-factor authentication)
- Identity Authentication can act as authentication broker to enable SSO for all types of users
- Security token service for protection of system-to-system communication with principal propagation

Key capabilities

- Public cloud service offered in more than 12 regions worldwide
- Cloud Service Providers: SAP, Amazon Web Services, Microsoft Azure
- Support for open standards:
 - Single sign-on: SAML & OpenID Connect
 - Authentication: X.509, Kerberos/SPNEGO, FIDO
 - Multi-factor authentication: time-based one-time password tokens (TOTP), FIDO/WebAuthentication, Email, RSA
 - User provisioning: SCIM
- Conditional authentication to determine where to validate user's credentials
- Risk-based authentication for flexible enforcement of multi-factor authentication
- Configurable password policies
- Branding style options for UI elements, e-mails, and error pages to comply with corporate branding requirements
- Troubleshooting and Audit Logs
- High Availability (HA) / Disaster Recovery (DR): 99,95% standard availability (multi-Availability Zones (AZ) offered in most regions) 'multi-region setup' operated with two data centers in HA and DR mode among the respective data centers
- Zero Downtime Maintenance (ZDM)



You can find more information about Identity Authentication here:

[SAP Discovery Center](#) | [SAP Community](#) | [Help Portal](#) | [API Hub](#)

SAP Cloud Identity Services - Identity Provisioning

Solution Overview

Identity Provisioning is a cloud service for managing identity lifecycle processes in the cloud. The service automates identity lifecycle processes and helps you provision identities and their authorizations to various cloud and on-premise business applications.

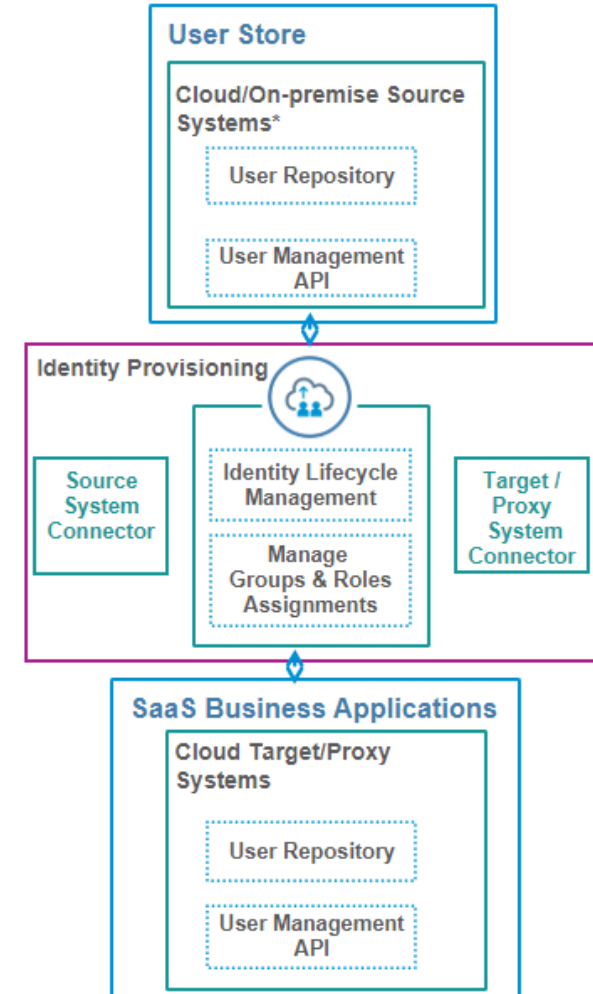
Benefits

- Fast adoption of SAP solutions through out-of-the-box integration (bundles)
- Rapid scenario extensions with optimized SAP connectors
- SCIM compliant integration with Identity Management solutions

Key capabilities

- Public cloud service offered in more than 12 regions worldwide
- Identity Provisioning tenants run on the infrastructure of SAP Cloud Identity Services and the SAP BTP, Neo environment (existing tenants only)
- Cloud Service Providers: SAP, Amazon Web Services, Microsoft Azure
- The Identity Provisioning service offers [connectors](#) for provisioning of users and groups between multiple supported cloud and on-premise systems, both SAP and non-SAP. The connectors can be customized via the Transformation Editor
- Automatic delivery of pre-configured provisioning systems for specific [SAP cloud solutions](#)
- (connectors) relevant to one or more bundled SAP cloud solutions
- The Identity Provisioning service can be consumed either directly through its [APIs](#), or by the user interface (UI)
- Support for open standards:
 - User provisioning: SCIM
 - Transformation editor: JSON
 - Authentication for secure communication with the provisioning systems: X.509
- High Availability (HA) / Disaster Recovery (DR): 99.95% standard availability (multi-Availability Zones (AZ) offered in most regions) 'multi-region setup' operated with two data centers in HA and DR mode among the respective data centers for the tenants running on the SAP Cloud Identity Services infrastructure
- Zero Downtime Maintenance (ZDM)

PUBLIC



You can find more information about Identity Provisioning here:

[SAP Discovery Center](#) | [SAP Community](#) | [Help Portal](#) | [API Hub](#)



1. BUILD



Software development

SAP Authorization and Trust Management Service



1. BUILD



Software development

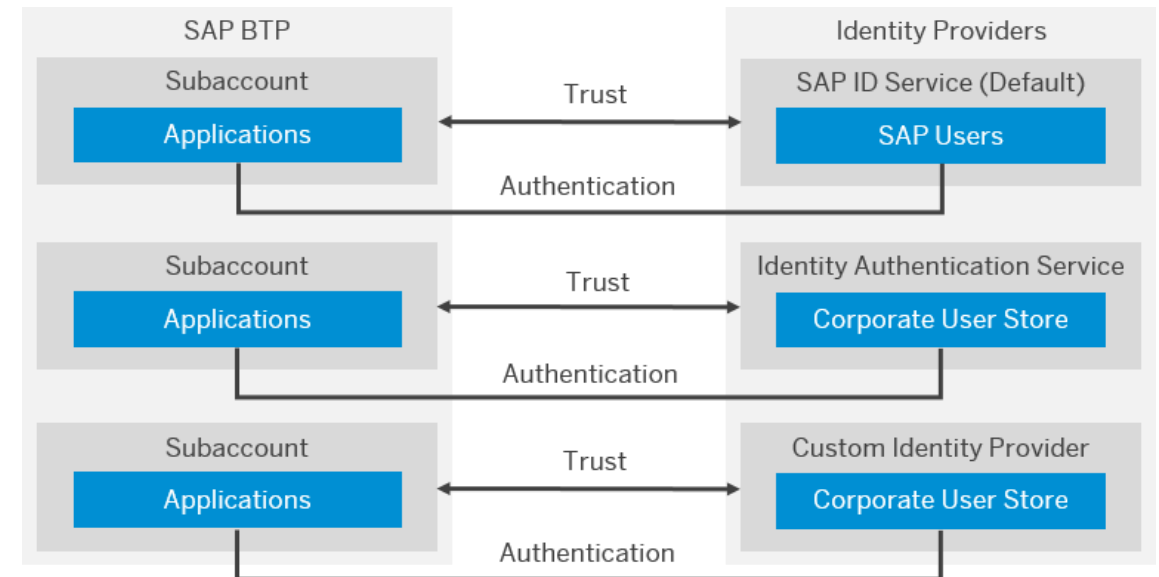
The SAP Authorization and Trust Management service provides security functions such as business user authentication and authentication of applications. It lets you manage user authorizations and trust to identity providers per subaccount. Identity providers are the user base for applications. We recommend that you use an SAP Cloud Identity - Identity Authentication tenant, which can be easily enabled. Alternatively, you can directly use custom corporate identity provider. User authorizations are managed using technical roles at the application level, which can be aggregated into business-level role collections for large-scale cloud scenarios.

Benefits

- Enables administrators to make sure that users only have access to functions for which they are authorized
- Enables developers to request authentication and implement authorization checks in their applications
- Enables administrators to manage user authorizations and trust to identity providers
- Support federated authorization assignment using group attributes from identity providers

Key capabilities

- Default identity provider with pre-configured trust
- One-click trust setup with SAP Cloud Identity Authentication Service
- Use of external identity providers
- Enables developers to define application-specific roles
- Enables administrators to manage authorizations for users
- Enables developers to manage authorizations for applications



You can find more information about Identity Authentication here:

[SAP Discovery Center](#) | [SAP Community](#) | [Help Portal](#) | [API Hub](#)

SAP Audit Log Service

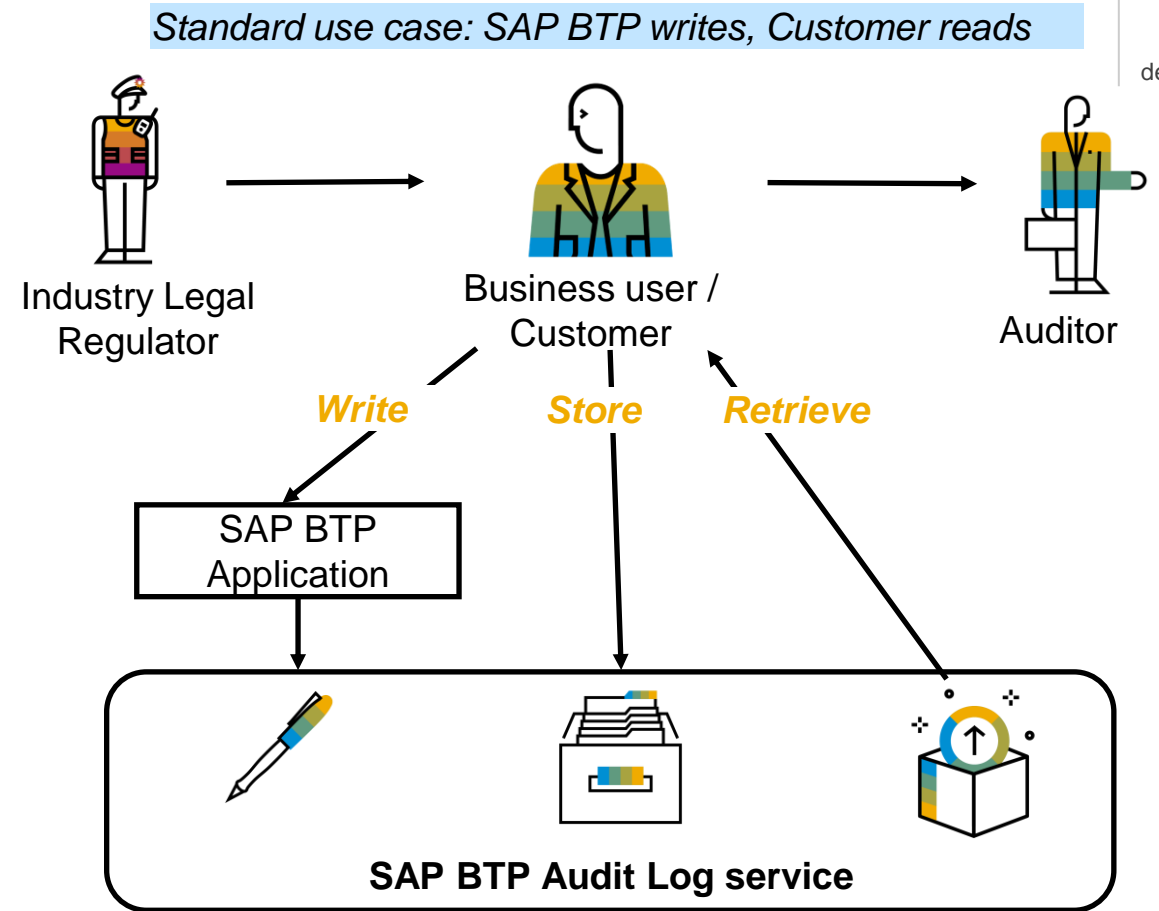
The SAP Audit Log service is a platform service which stores all the audit logs written on your behalf by other platform services that you use. It allows you to retrieve the audit logs for your subaccount via the audit log retrieval API or view them using the Audit Log Viewer.

Benefits

- Allow Auditors to perform Audit related activities in efficient, reliable and complete manner
- Enablement of the cloud provider and/or customer to identify malicious activities
- Provisioning of Forensic evidence that can be used at court
- Make sure your business is compliant with the most recent business and product security standards

Key Capabilities

- Dependency Service for successful operations and commands
- Unified log messages
- 90 days default retention period
- Forward data to existing companywide security log system



You can find more information about the SAP Credential Store here:

[Discovery Center: SAP Audit Log Service](#) | [Help Portal](#) | [API Hub](#)

SAP Credential Store

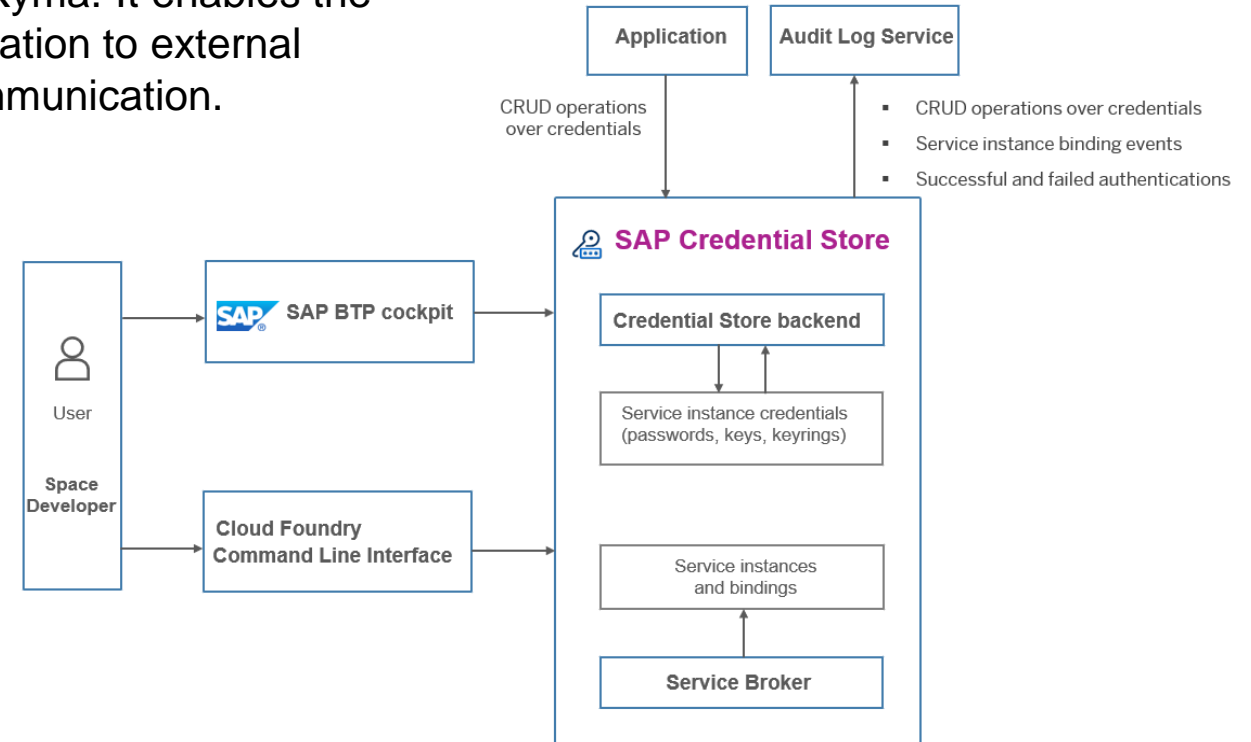
SAP Credential Store provides a repository for passwords, keys and keyrings for applications that are running on SAP BTP, Cloud Foundry or Kyma. It enables the applications to retrieve credentials and use them for authentication to external services, or to perform cryptographic operations and TLS communication.

Benefits

- Create, store and manage cryptographic credentials, which your SAP BTP applications can use to access external services
- Provide higher level of security by using multi-version cryptographic keys to encrypt or decrypt other cryptographic keys
- Share service instances between spaces or subaccounts

Key capabilities

- Encryption of data by using customer's own key
- Retrieval of passwords, cryptographic keys and keyrings for authentication to external services
- Access to service instances from external applications or from applications deployed in another space - by using service keys



You can find more information about the SAP Credential Store here:

[Discovery Center: SAP Credential store](#) | [Help Portal](#) | [API Hub](#)



1. BUILD



Software development

SAP Custom Domain Service

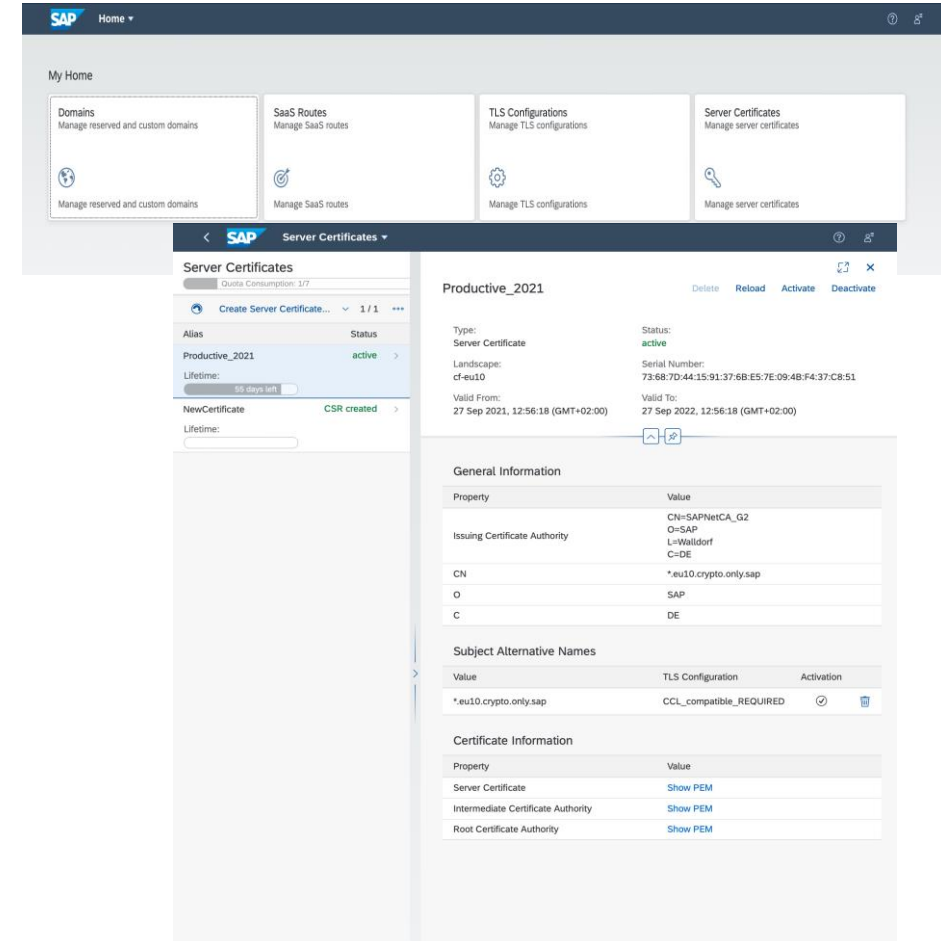
SAP Custom Domain enables subaccount owners to make their SAP BTP applications accessible via a custom domain that is different from the default one (hana.ondemand.com) - for example, www.myshop.com.

Key capabilities

- Manage custom domains and configurations in Manager UI or via CLI
- Bring your own certificates for CSRs generated by the service
- Activate single or multiple custom domains per certificate
- Configure TLS properties like protocol version and cipher suites, mutual client authentication mode and trusted CAs, or HTTP/1.1 and HTTP/2
- Set up custom domain routes to SaaS subscriptions

Benefit

- Access to your domain: Configure your application with a name that is easily recognizable by your customers
- Application identity protection: Upload a TLS/SSL certificate to help secure your application identity and the data transmitted between the browser and your application



You can find more information about the SAP Custom Domain Service here:

[Discovery Center: SAP Custom Domain Service](#) | [Help Portal](#)



1. BUILD



Software
development

SAP Connectivity and Destination Service

SAP Connectivity Service allows cloud applications running on the SAP BTP to access remote services securely that run on the **Internet** or **on-premise**.

Key capabilities

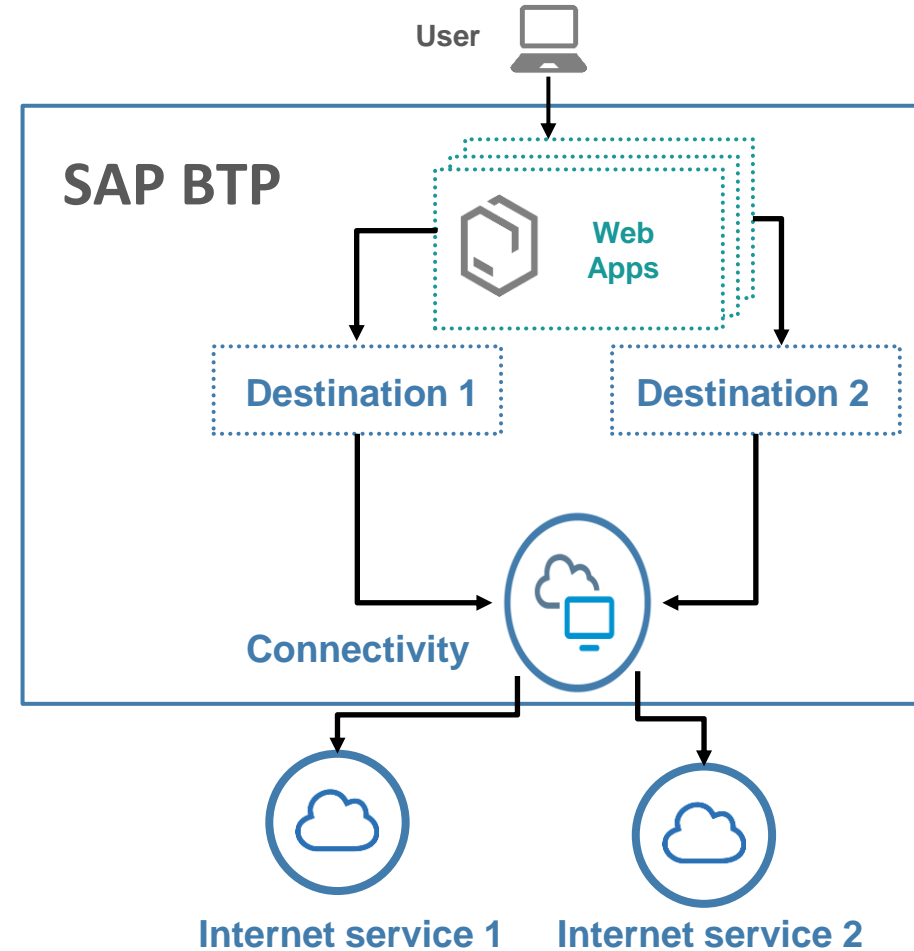
- Consume APIs and data from APIs and data provided by any Internet service via HTTP(s) using destinations
- Consume APIs, data and users provided by on-premise systems via HTTP, RFC, or even with TCP using destinations and the Cloud Connector

Benefits

- Separation of concerns
- Security
- Re-useability
- Access via Tools

You can find more information about the Connectivity service here:

[Discovery Center: Connectivity Service](#) | [Discovery Center: Destination Service](#) | [Help Portal](#) | [API Hub](#)



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Software development

SAP Cloud Connector

The SAP Cloud Connector establishes a secure VPN connection between SAP BTP and on-premise systems.

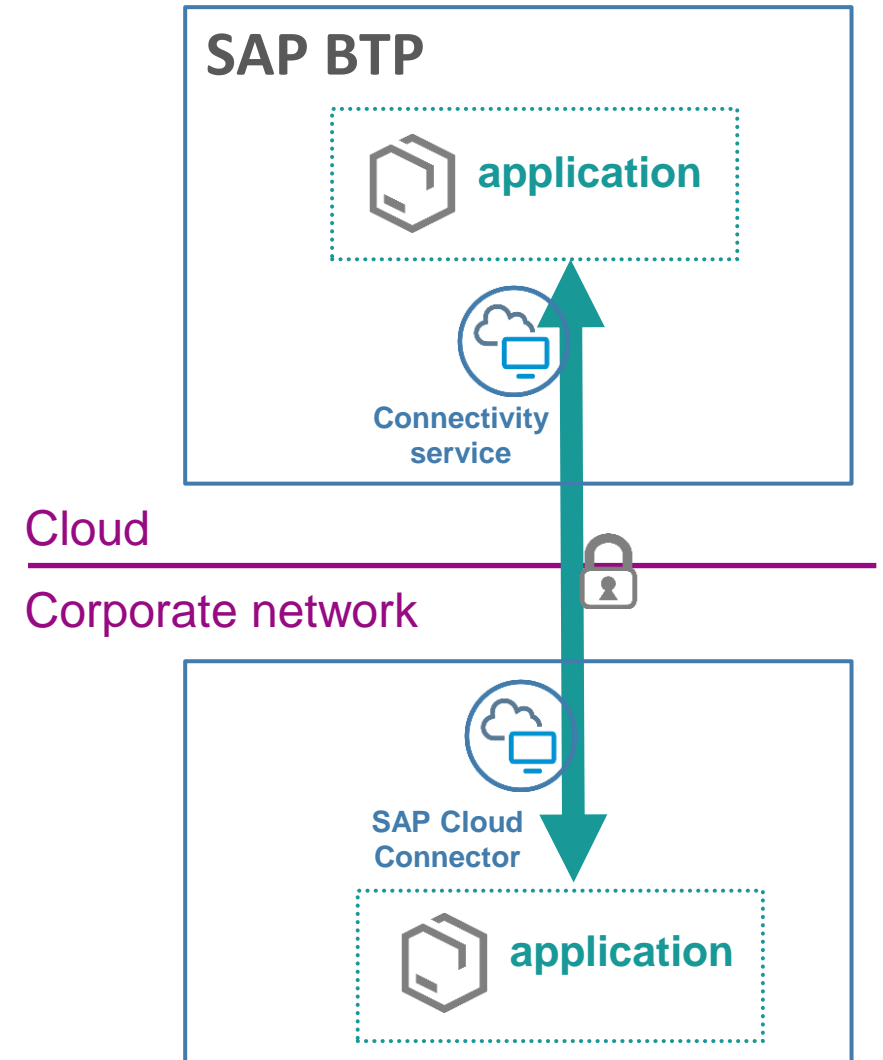
Key capabilities

- Fine grained access control lists of allowed cloud and on-premise resources
- Fine grained audit logging for traceability
- Principal propagation from cloud to on-premise
- Trust relation with on-premise system based on X.509 certificates

Benefits

- No change in the existing corporate firewall configuration is needed
- He initiates encrypted connections to cloud application from inside the on-premise network to the cloud
- Firewall and DMZ remain unchanged

[Blog: Cloud Connector Setup](#)



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Software development

SAP Malware Scanning Service

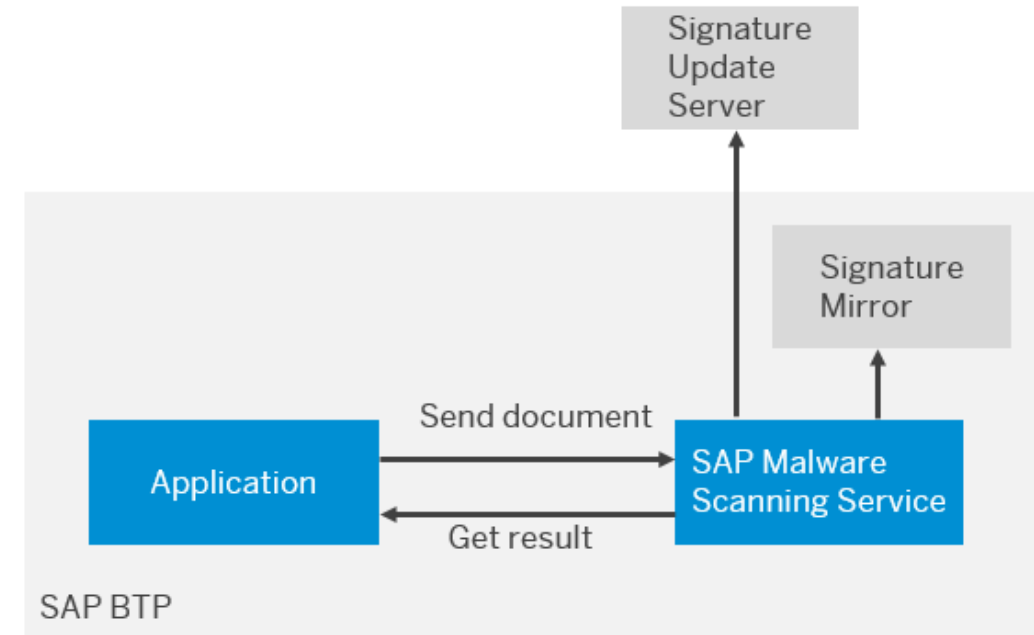
SAP Malware Scanning Service provides the possibility to scan business documents for malware. Integrate this service with your custom-developed apps running on Cloud Foundry. When your apps upload business documents, they can call the SAP Malware Scanning service to check for viruses or other malware.

Key capabilities

- Scanning of documents
- Limit of about 20 concurrent scan requests depending in the overall load
- Service API is available on SAP API Business Hub

Benefits

- Secure SAP and non-SAP Applications, on SAP BTP, cloud foundry environment
- Reduce malware in your environment
- Help meet compliance requirements



You can find more information about the Malware Scanning Service here:

[SAP Discovery Center](#) | [SAP Community](#) | [Help Portal](#) | [API Hub](#)



SAP BTP

APIs to develop secure software

SAP BTP offers various APIs to develop secure software applications.

A suite of services for user authentication and lifecycle management: [SAP Cloud Identity Services](#)

Manage application authorizations and trust for SAP BTP: [SAP Authorization and Trust Management Service](#)

Functionality for subaccount members managing: [Platform Authorizations Management API](#)

Manage destinations and securely connect to on-premise systems: [SAP Connectivity Service](#)

Managing passwords and keys: [SAP Credential Store Service](#)

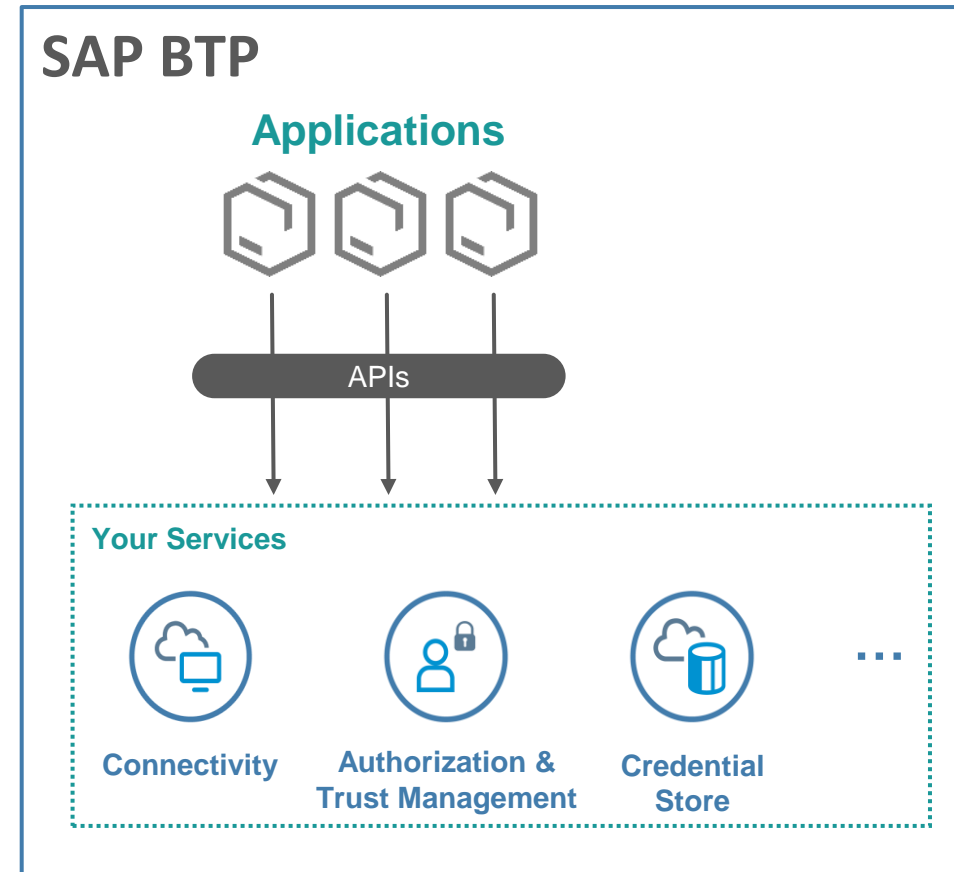
Functionality for retrieving audit logs: [Audit Log Retrieval API](#)



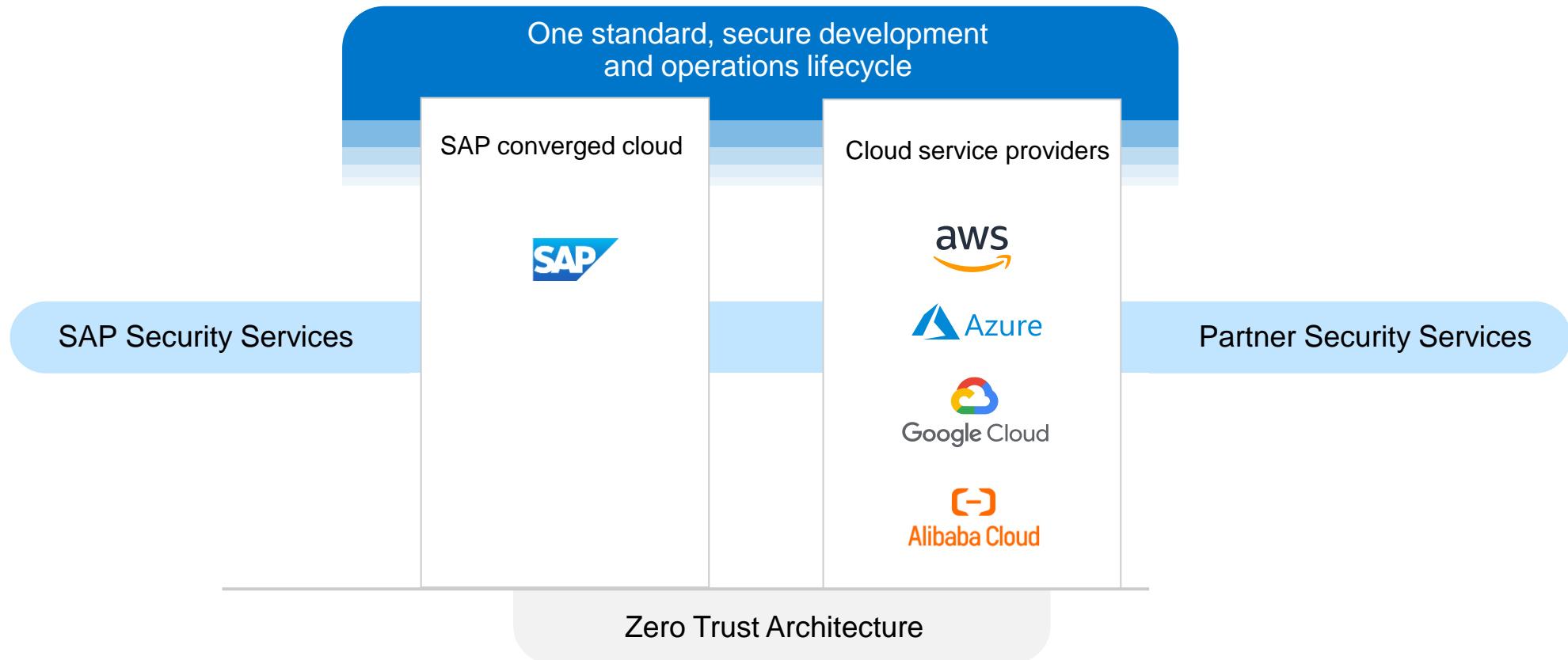
1. BUILD



Software development



We partner to build secure-by-design cloud environments



1. BUILD



Cloud
Environments

Additional solutions from SAP for **Securing Applications and Data**

Visit sap.com/grc for more information



1. BUILD



Security
Solutions



Areas of secure software development for SAP BTP



Build securely



Secure cloud software development



SAP's secure development and operations lifecycle



Threat modeling



Security assessment and testing



Secure coding training for all developers



Full application security testing

SAP's secure development and operations lifecycle

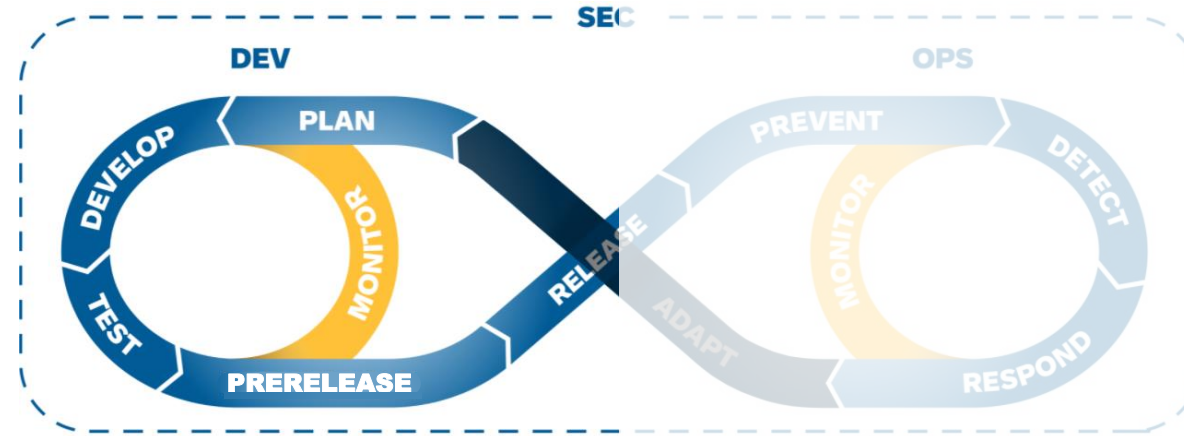
Continuous improvement and development



Build securely



Secure cloud software development



Plan	Develop	Test	Prerelease	Release	Prevent	Detect	Respond	Adapt	Monitor
Training plan Release and backlog Design and requirement analysis Technical and security debt Threat modeling Data privacy impact Operations planning	Backlog development Secure coding	Testing and verification Static application security testing Dynamic application security testing Os3 Executing test strategy	Security validation development Staging activities End-to-end integration testing Stress testing	Release decision Code signing Packaging Deployment	Integrity checks Signature verification Configuration management Defense in depth measures (application, network, data centers)	Pentesting Security information and event management (SIEM) alerts and threat intelligence	Security incident management and breach notification	Adopting technical debt from the backlog Sla-driven vulnerability management	Technical logging and monitoring Backlog, process, and compliance verification
	<i>Continuous integration and delivery (CI/CD) pipeline security</i>	<i>CI/CD pipeline security</i>	<i>CI/CD pipeline security</i>	<i>CI/CD pipeline security</i>					

Threat modeling

Evaluating threats in the early stages



Build securely



Secure cloud software
development

- Mandatory since 2018
- Required for each line of business
- Part of SAP's secure software development and operations lifecycle
- Mitigation steps required depending on risk



Full application security testing

Dynamic and static code scanning for SAP Business Technology Platform



Build securely



Secure cloud software development

SAST:

- Provides white box security testing
- Scans source code
- Prevents vulnerabilities early in the security development lifecycle (SDLC)
- Is fully integrated into development process, hence highly effective vulnerability prevention.
- Can't discover runtime and environment-related issues
- Typically supports all kinds of software



Full scan of SAP BTP source code, all programming languages used

DAST:

- Provides black box security testing
- Scans a running application
- Finds vulnerabilities in the final solution (prior to delivery)
- Ensures high-quality security validation before delivery
- Can discover runtime and environment-related issues
- Typically scans Web applications and Web services



Runtime testing of SAP BTP Web applications

Security assessment and testing

Internal and external security assessments including penetration tests



Build securely



Secure cloud software development



Penetration tests

- Internal and external
- Web applications (SAP BTP, SAPUI5, Web Dynpro, other)



Code scans

- Static application security testing (SAST)
- Dynamic application security testing (DAST)



Other application security testing

- Code scan
- Authorization tests end to end
- Virus scans for documents
- Other test methods



Pillars of security for SAP BTP

Security features



Build securely



Leading security, data protect, and privacy features



Secure user access and permissions



Security audit logs



Secure communication and encryption



Security, data protection, and privacy safeguards

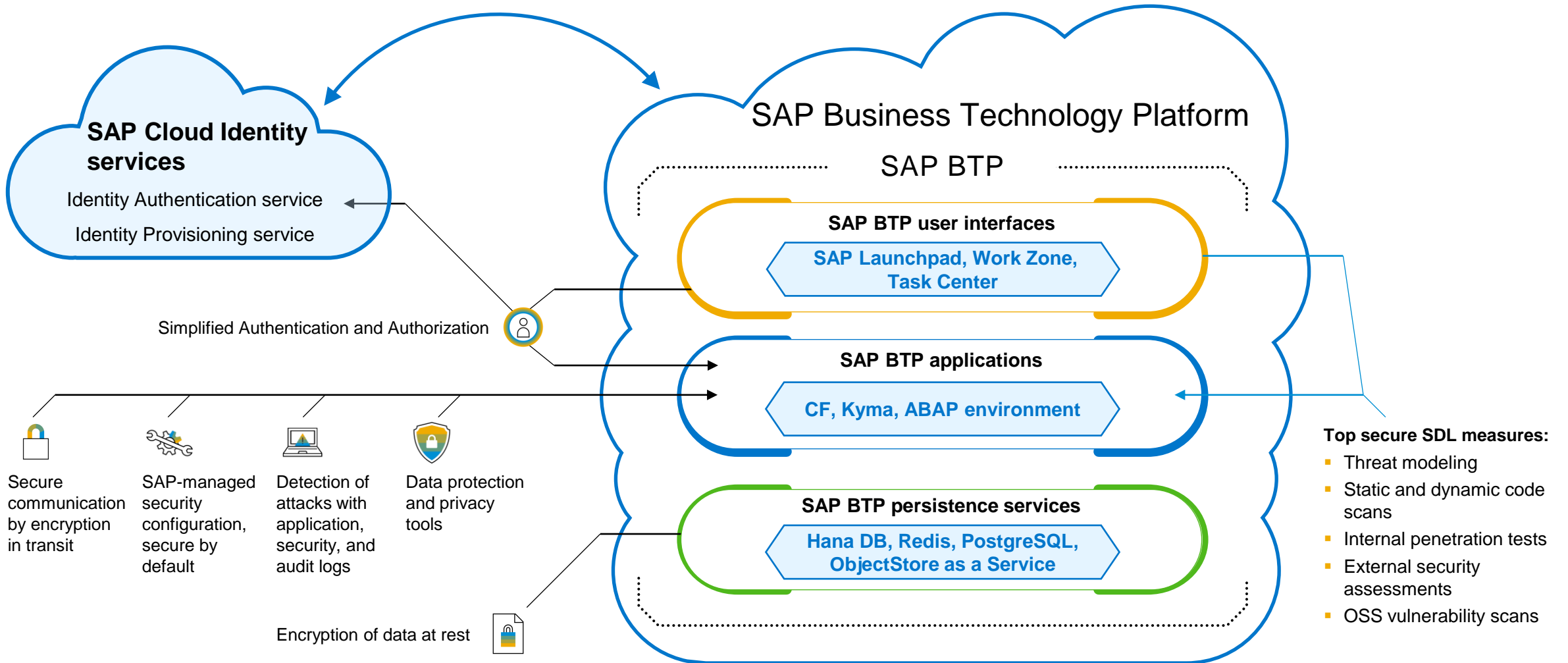
SAP BTP – Application layer security



Build securely



Leading security, data protect, and privacy features

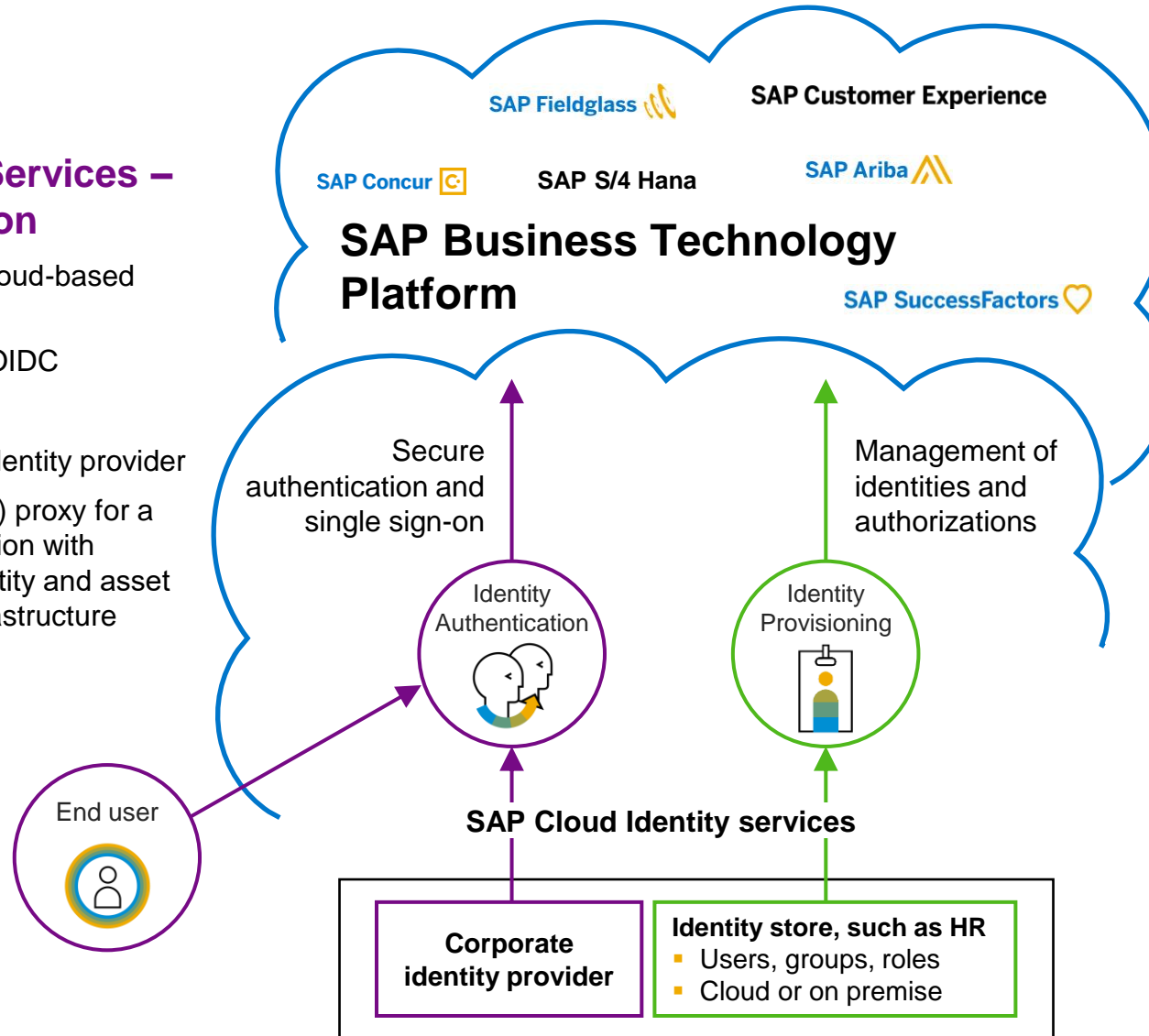


Secure user access and permissions

Secure access:

SAP Cloud Identity Services – Identity Authentication

- Single sign-on for SAP's cloud-based applications
- Support for X509, SAML, OIDC
- Two usage options:
 - As the landscapewide identity provider
 - As identity provider (IdP) proxy for a smooth, flexible integration with customers' existing identity and asset management (IAM) infrastructure



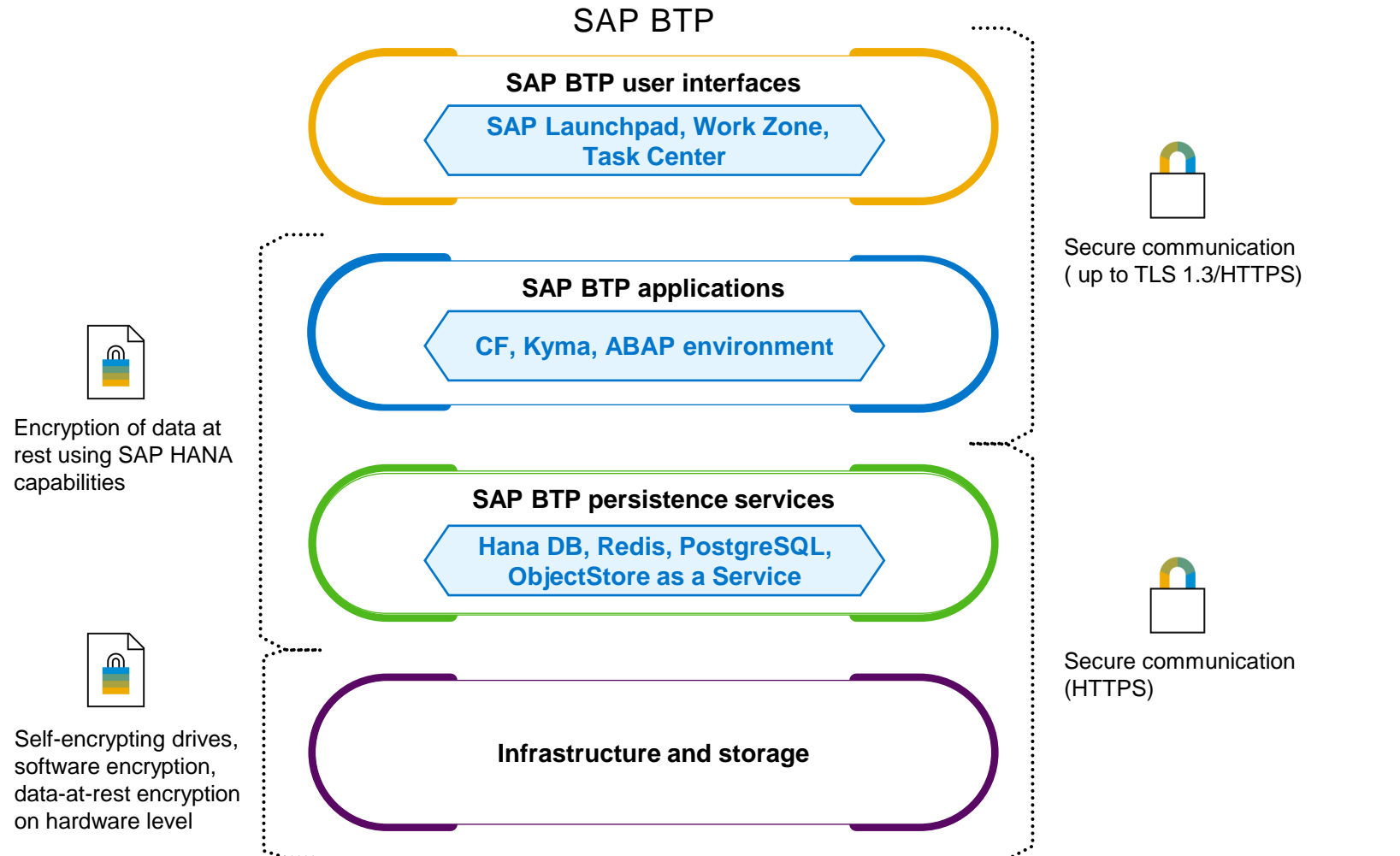
Managing users and permissions:

SAP Cloud Identity Services – Identity Provisioning

- Identity lifecycle management for cloud-based business applications
- Integrated with SAP Identity Management for hybrid landscapes and other IDM solutions
- Simple and agile onboarding of users and applications
- Dedicated connectors for third-party cloud platforms

Secure communication and encryption

- Communication protocols of SAP BTP support encryption, such as HTTPS with up to TLS1.3 and AES-256
- Data at rest encryption is provided by the storage encryption of the persistence services
- They use SAP HANA or the IaaS layer underlying the SAP BTP. This is configured in the respective IaaS accounts used by SAP BTP.
- Storage-level encryption is supported on hardware level by SAP BTP and SAP HANA





Security audit logs via the SAP Audit Log service

Customer can review security relevant activities of customer users and SAP staff in the security audit log with

- Timestamp
- Terminal ID
- Audit log event

Security-relevant activities include,
such as

- User logins
- Permission assignments or removals
- Change of Trust setups
- Subscription updates
- Change of monitoring checks

[illegible]

Pillars of security for SAP BTP



2. Run securely

We run cloud operations securely.

01011
11010
10
01101

**Secure operations and
landscape architecture**



**Comprehensive contracts
and audit**

Areas of secure operations and landscape architecture



Secure operations

- Robust technical security architecture helping ensure
 - Network segregation
 - Data segregation
- Secure design of cloud services
- Hacking simulation (white box)
- Infrastructure vulnerability scans (monthly)
- Secure identity and access management
- Transparency of SAP access
- Backup and restore
- Disaster recovery options



Detection of attacks

- SAP's Cyber Fusion Center
- Logging and monitoring of security events
- Automated use cases initiate alerts
- Manual extended analysis to identify sophisticated attacks
- Customer security incident process

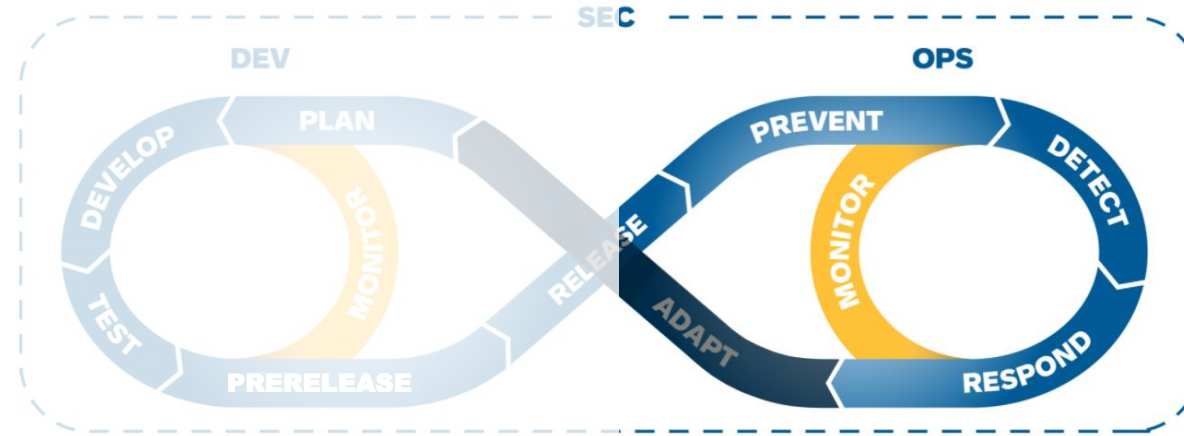


Data center security

- Benefit from local regulations (select region of data storage)
- Physical security and network security
- Compliance, confidentiality, and integrity
- Data center on tier-level III or IV
- Low latency speeds-up access

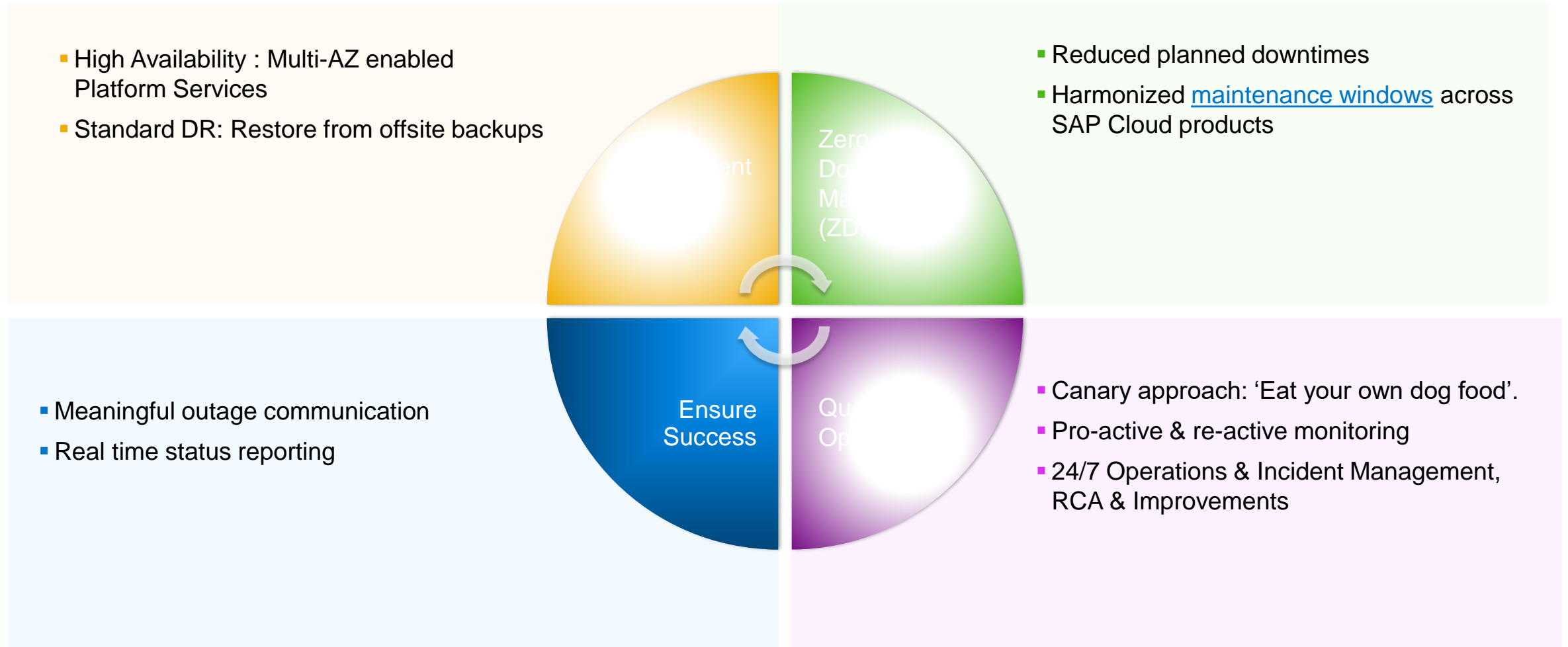
SAP's secure development and operations lifecycle

Continuous security monitoring and operations



Plan	Develop	Test	Prerelease	Release	Prevent	Detect	Respond	Adapt	Monitor
Training plan Release and backlog Design and requirement analysis Technical and security debt Threat modeling Data privacy impact Operations planning	Backlog development Secure coding	Testing and verification Static application security testing Dynamic application security testing Os3 Executing test strategy	Security validation development Staging activities End-to-end integration testing Stress testing	Release decision Code signing Packaging Deployment	Integrity checks Signature verification Configuration management Defense in depth measures (application, network, data centers)	Pentesting Security information and event management (SIEM) alerts and threat intelligence	Security incident management and breach notification	Adopting technical debt from the backlog Sla-driven vulnerability management	Technical logging and monitoring Backlog, process, and compliance verification
	Continuous integration and delivery (CI/CD) pipeline security	CI/CD pipeline security	CI/CD pipeline security	CI/CD pipeline security					

Incident Response and Disaster Recovery



Comprehensive contracts and independent audits



Service-level
agreements



Technical and organizational
measures



Independent audits,
certifications, and attestations



Security framework
description



Applicable local
regulations globally

Compliance with Industry Standards and Regulations

SAP BTP services and the underlying infrastructure hold various certifications and attestations. The BTP services attestations and certifications can be found under the naming of SAP Cloud Platform in the SAP Trust Center

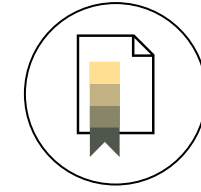
SAP BTP runs in secure and certified environments

- World-class data centers
- Advanced network security
- Reliable data backup
- Built-in compliance, integrity, and confidentiality

Infrastructure with 99.9% availability

For more details, see

- [SAP Data Center](#)
- [SAP Trust Center](#)
- [Cloud Availability section in SAP for Me](#)
- [Service level agreement for SAP Cloud Services](#)



Run securely



Secure operations
and Landscape
architecture

Certifications & Attestations

- ISO 27001 Cert. for Information Security Management Systems
- ISO 22301 Business Continuity Management
- SOC 1 SSAE 18, SOC 2 Type 2
- TISAX Trusted Information Security Assessment Exchange
- FSTEC Federal Service for Technical and Export Control
- C5 (BSI Germany)
- PCI-DSS

Pillars of security for SAP BTP



3. Act securely

We foster a security-first culture in everything we do.



Our employees

Security is foundational to how we organize and run our business, train our employees, and protect people and assets.



Our customers

We partner with customers for continuous feedback and improvement to address evolving security needs.



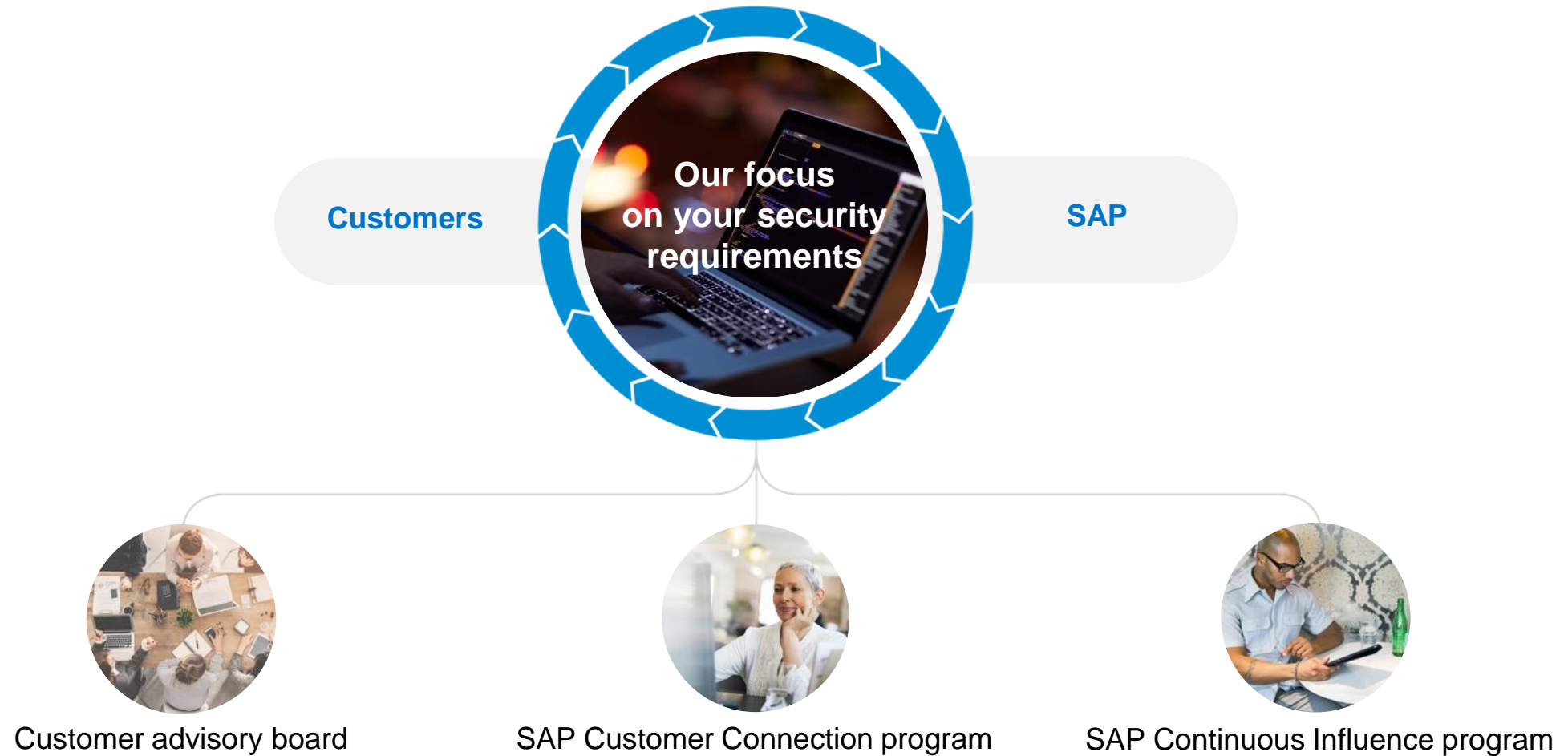
Our partners

We partner with members of our extensive ecosystem to improve security.

Security is part of our DNA




Partnership with customers for continuous feedback and improvement



Reporting of security incidents

Proven way for SAP customers and SAP researchers

 Act securely


 Our customers

[Overview](#) [Cloud Service Status](#) [Security](#) [Privacy](#) [Compliance](#) [Cloud Operations](#) [Data Center](#) [Agreements](#)

[Security](#) [Security Offerings](#) [Security Issue Management](#)

Report a Security Issue


SAP is committed to identifying and addressing security issues that affect our software and cloud solutions. We are continuously working on improving our security processes. To report a potential security issue, choose from the options below.



SAP customers

Report a customer security issue by using the SAP ONE Support Launchpad to find a solution and get real-time support from an expert.

[View the launchpad >](#)



Security researchers

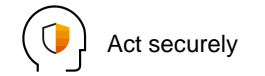
Inform the SAP Security Response Team of a security issue by completing and submitting the security vulnerability form.

[Access the form >](#)

www.sap.com/about/trust-center/security/incident-management.html

Security Recommendations


Setting up SAP BTP in the cloud securely



Act securely



Our customers

 **Help Portal (Documentation)**

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Home > [SAP Business Technology Platform \(SAP BTP\)](#) > [SAP BTP Security Recommendations](#) > [SAP BTP Security Recommendations](#)

SAP BTP Security Recommendations

This document [Search in this document](#)

SAP BTP Security Recommendations

[Explanation of Table Headings](#)

[Displaying Security Recommendations](#)

SAP BTP Security Recommendations

These recommendations help you evaluate the security of the configuration of SAP BTP services in your landscape.

Remember

As part of the [cloud shared responsibility model](#), you're responsible for determining if any of these recommendations are relevant for your environment and to what extent.

Note

Not all SAP BTP services are listed yet. We've started with core security services and are extending this list service by service.
If your service is missing, see also the Security section of the service documentation on the [SAP Help Portal](#).

See also [Explanation of Table Headings](#).

Security Recommendations

Hide/Show Columns

Search entire table

Service	Priority	Secure Operations Map	Topic	Default Setting or Behavior	Recommendation	More Information	Last Update
<div>Filter: [No Selection]</div>	<div>Filter: [No Selection]</div>	<div>Filter: [No Selection]</div>	<div>Filter: [No Selection]</div>				<div>Search column</div>
Identity Authentication	Critical	Authentication and Single Sign-On	Default Authentication of Administrators	The default authentication method for the administration console is user name and password.	Always protect the administration console application with multifactor authentication.	Configure Risk-Based Authentication for an Application	2023-04-12
Identity Authentication	Recommended	Authentication and Single Sign-On	Password Policies	The service supports	If password-based authentication is	Configure Custom Password Policy	2023-04-12

[Help Portal: SAP BTP Security Recommendations](#)

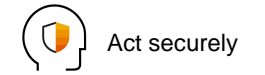
PUBLIC

SAP BTP Security Overview

40

Protect Your SAP BTP environment

Learn about SAP BTP security



Act securely



Our customers

The screenshot shows the SAP Help Portal interface. The top navigation bar includes the SAP logo, 'Help Portal (Documentation)', and links for 'Browse by Product', 'Learning Journeys', 'What's New', and 'Explore SAP'. A search bar is present on the right. The breadcrumb trail indicates the path: Home > SAP Business Technology Platform (SAP BTP) > SAP Business Technology Platform > Security. The main heading is 'SAP Business Technology Platform' with a language dropdown set to 'English'. Below this, there's a search bar and a 'Advanced Search' link. The left sidebar contains a tree view of the documentation structure, with 'Security' selected. The main content area is titled 'Security' and contains several sections: 'Security Recommendations', 'User Model', 'Authorizations', and 'Identity Providers'. Each section provides a brief overview and links to more detailed information. The right sidebar features a 'On this page' section with links to various security topics and a 'Was this page helpful?' section with 'Yes' and 'No' buttons.

SAP Business Technology Platform (SAP BTP) > SAP Business Technology Platform > Security

SAP Business Technology Platform

English

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Advanced Search

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Security

Use the security features and functions of SAP BTP to support the security policies of your organization.

Security Recommendations

We provide a list with our recommendations for the configuration of our services. These recommendations help you to meet your compliance goals and secure your business.

See [SAP BTP Security Recommendations](#).

Our customer success organization, uses these recommendations as a base to create a security baseline template.

For more information, go to <https://support.sap.com/sos> and choose **Media Library > SAP CoE Security Services - Security Baseline Template**.

User Model

SAP BTP distinguishes between **platform users** (account management, custom development, and operations) and **business users** (for the applications).

See [User and Member Management](#).

Authorizations

You can configure authorizations using **roles** and **role collections** for your global account, subaccount, directory, or individual applications.

See [Security Administration: Managing Authentication and Authorization](#).

Identity Providers

All users of SAP BTP are stored in identity providers, either in the default or in a custom identity provider. SAP BTP needs a copy of the user, sometimes called a shadow user. You assign the shadow user authorizations to access resources in SAP BTP. When a user authenticates, SAP BTP forwards the request to the identity provider.

For more information, see [Trust and Federation with Identity Providers](#).

On this page

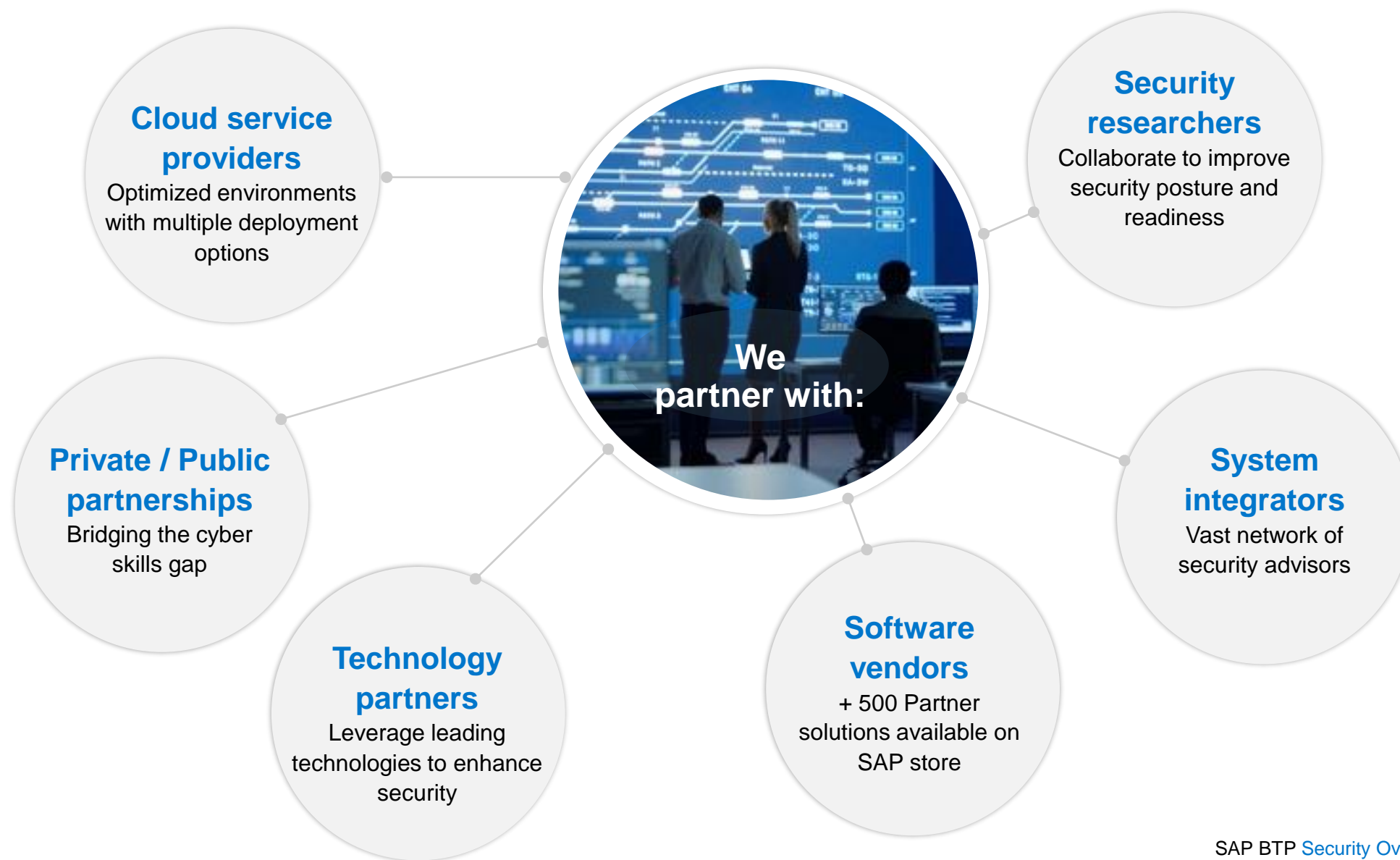
- [Security Recommendations](#)
- [User Model](#)
- [Authorizations](#)
- [Identity Providers](#)
- [Default Identity Provider](#)
- [Identity Authentication Service](#)
- [Transport Layer Security \(TLS\) Connectivity Support](#)
- [Audit Logging](#)
- [Credential Store](#)
- [Malware Scanning](#)
- [Related Information](#)

Was this page helpful?

[Help Portal: SAP BTP Security](#)



Ecosystem Partnerships for Enhanced Security



Three key messages to take away



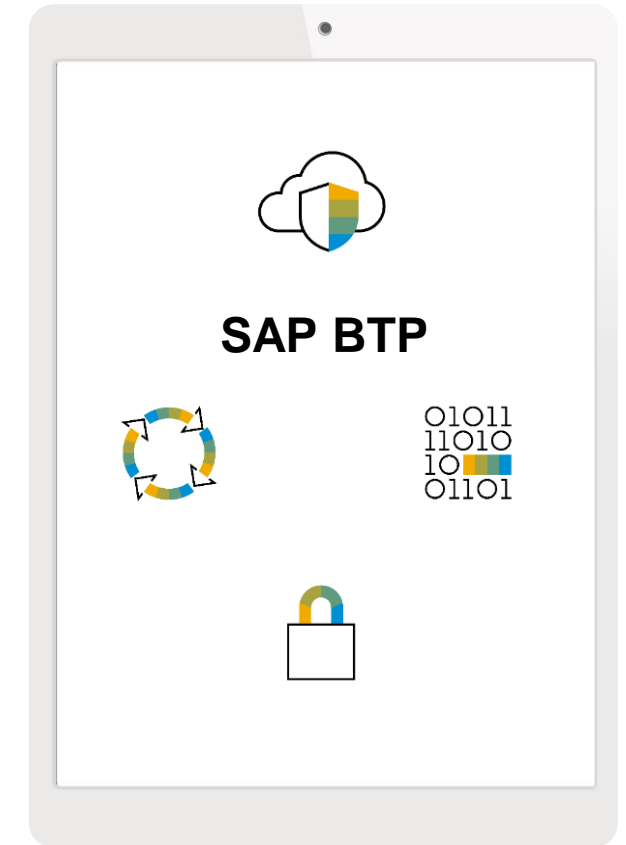
Security and compliance are key capabilities of SAP BTP, approached holistically and from end to end.



SAP BTP is developed securely with built-in state-of-the-art security features and privacy capabilities.



SAP BTP Cloud operations adhere to and go beyond leading industry standards in technology, operative, and legal measures.



Further information



SAP Help Portal

[SAP BTP – Documentation including security](#)

Secure software development

White paper: [The Secure Software Development Lifecycle at SAP](#)

SAP Trust Center

Certifications and attestations

www.sap.com/about/trust-center/certification-compliance.html

Related SAP TechEd presentations

SEC205 – A Holistic Approach to GDPR and CCPA Helps Purpose-Driven Data Protection

<https://events.sap.com/teched/en/session/48835>

SEC200 – How to Run Identity and Access Management for the Intelligent Enterprise

<https://events.sap.com/teched/en/session/51531>

Security related customer content

[Cloud Services: Reference Guide](#)

[Guide to Customer Content](#)

Thank you.

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