SAP BTP Security and Compliance
Overview

May 2023

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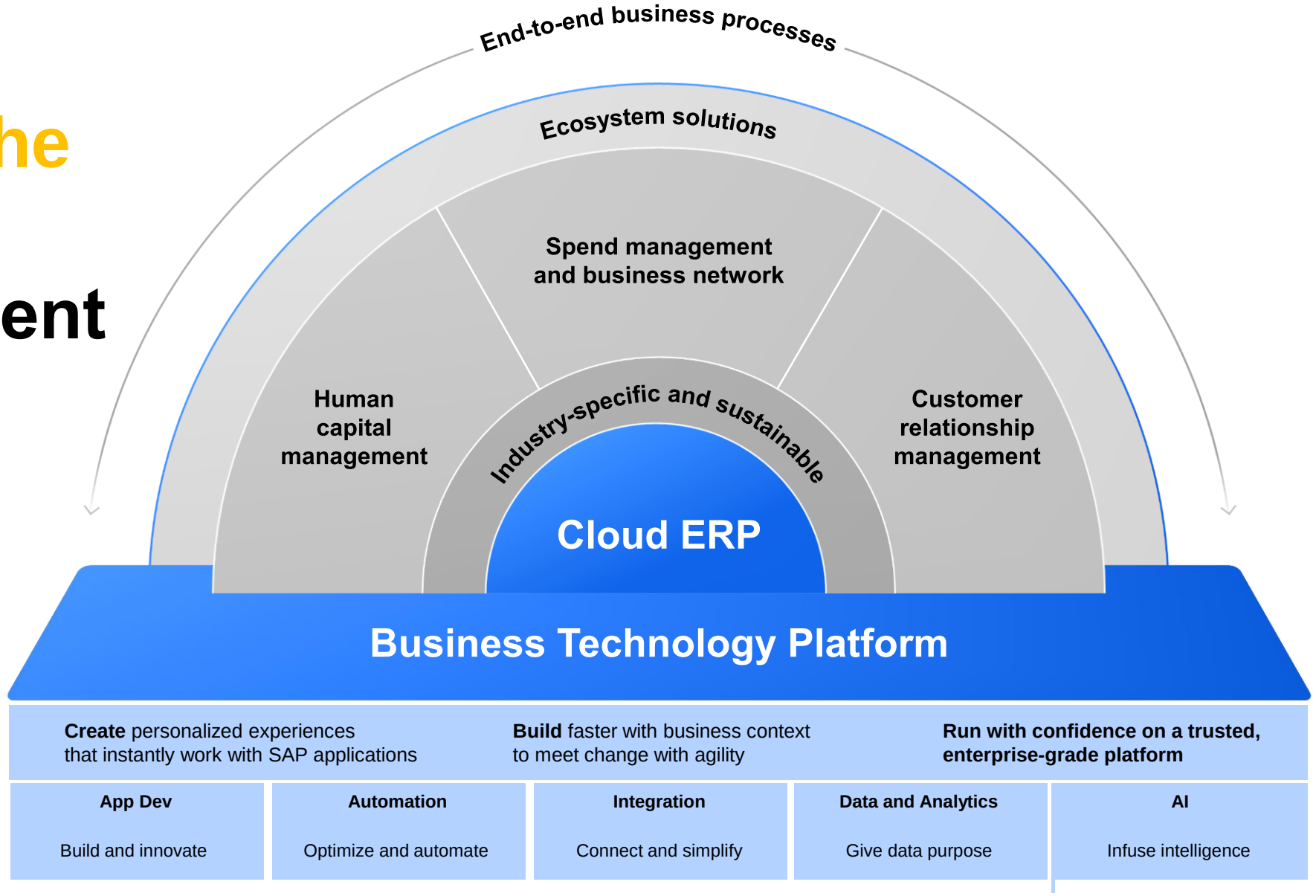
SAP BTP is the foundation of the Intelligent Sustainable Enterprise



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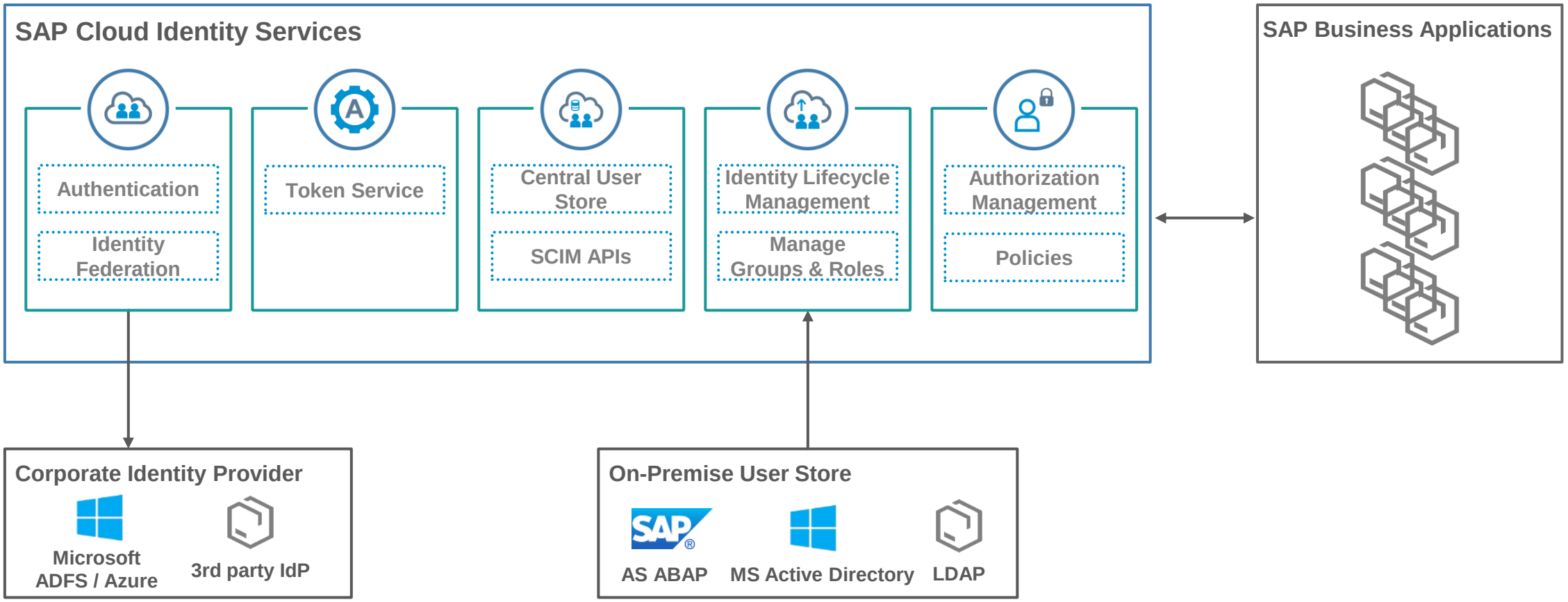
Security and Compliance Overview

- Access Control
- Encryption
- Identity Management
- Vulnerability Scanning and Penetration Testing
- Logging and Monitoring
- Compliance Management
- Disaster Recovery and Business Continuity
- Incident Response

Access Control and Authentication



You can find more information about Identity Authentication here:

SAP Community | SAP Discovery Center IAS | SAP Discovery Center IPS | SAP Discovery Center AMS |

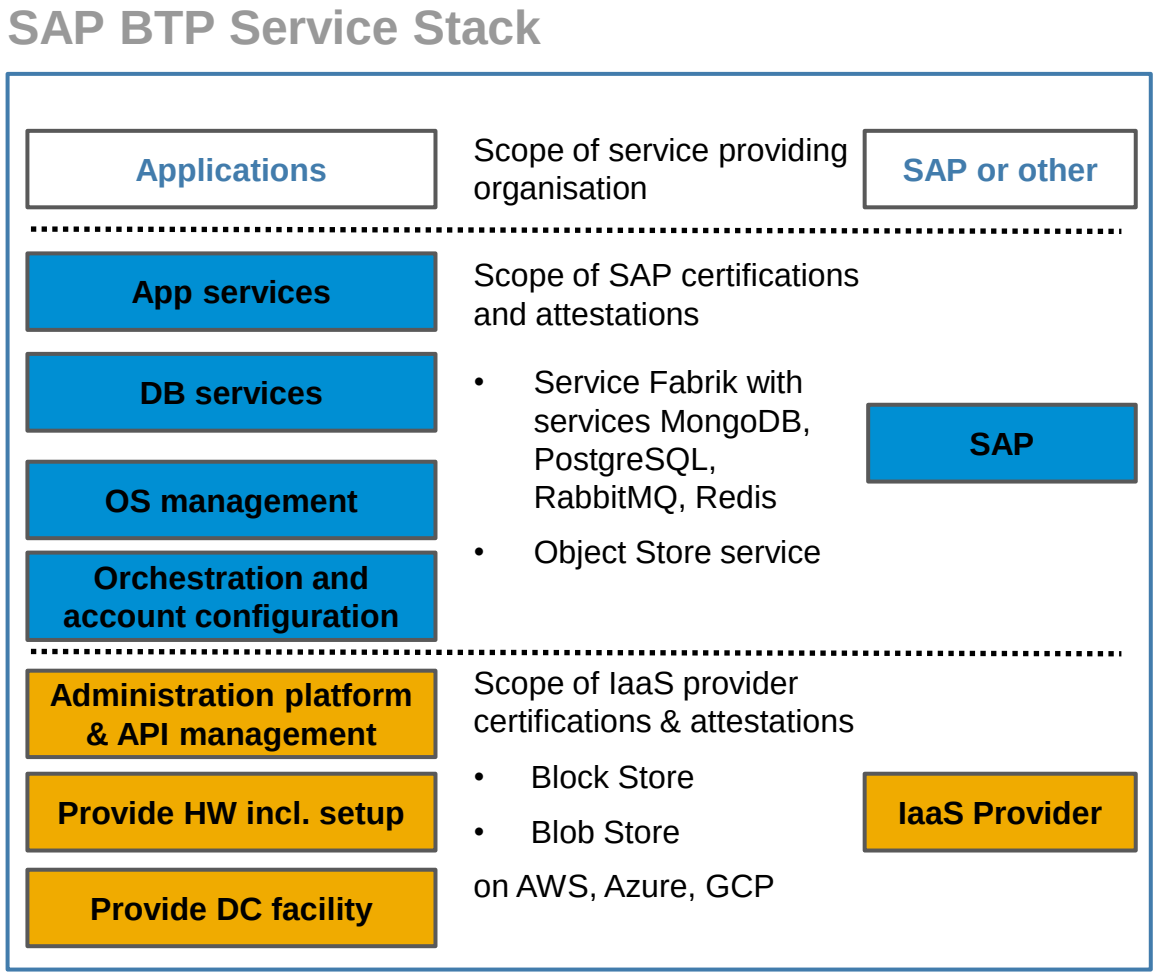
Data Protection and Encryption

SAP BTP uses encrypted communication channels based on HTTPS/TLS, supporting TLS version 1.2 or higher. It is possible to opt-in for the use of TLS 1.3 in the Custom Domain Manager. This allows the use of TLS1.3 with Applications running on SAP BTP.

Blog: SAP BTP Transport Layer Security (TLS) Connectivity Support

SAP BTP Services use the storage encryption of persistence services. They often use the IaaS layer underlying the SAP BTP. This is configured in the respective IaaS accounts used by SAP BTP. Encrypted backups are stored in a persistence using a strong encryption algorithm. All these keys are stored in a key management service provided by the underlying IaaS layer.

Data Encryption Strategy (SAP Help Portal)



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 Business Technologie Platform" in the SAP Trust Center

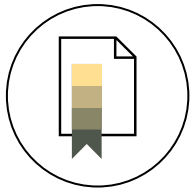
SAP BTP runs in secure and certified environments

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

Cloud Services with 99.7% availability

For more details, see

- SAP Data Center
- SAP Trust Center
- Cloud Availability section in SAP for Me



Certifications & Attestations

- ISO 27001, ISO 27017, ISO 27018 - Information Security Management System
- ISO 22301 - Business Continuity Management System
- SOC 1 Type 2, SOC 2 Type 2
- C5 Type 2 (BSI Germany)
- EU Cloud Code of Conduct
- CSA STAR
- TISAX (Trusted Information Security Assessment Exchange)

Incident Response and Disaster Recovery

- High Availability : Multi-AZ enabled Platform Services
- Standard DR: Restore from offsite backups

- Reduced planned downtimes
- Harmonized maintenance windows across SAP Cloud products

- Meaningful outage communication
- Real time status reporting

- Canary approach: ‘Eat your own dog food’.
- Pro-active & re-active monitoring
- 24/7 Operations & Incident Management, RCA & Improvements

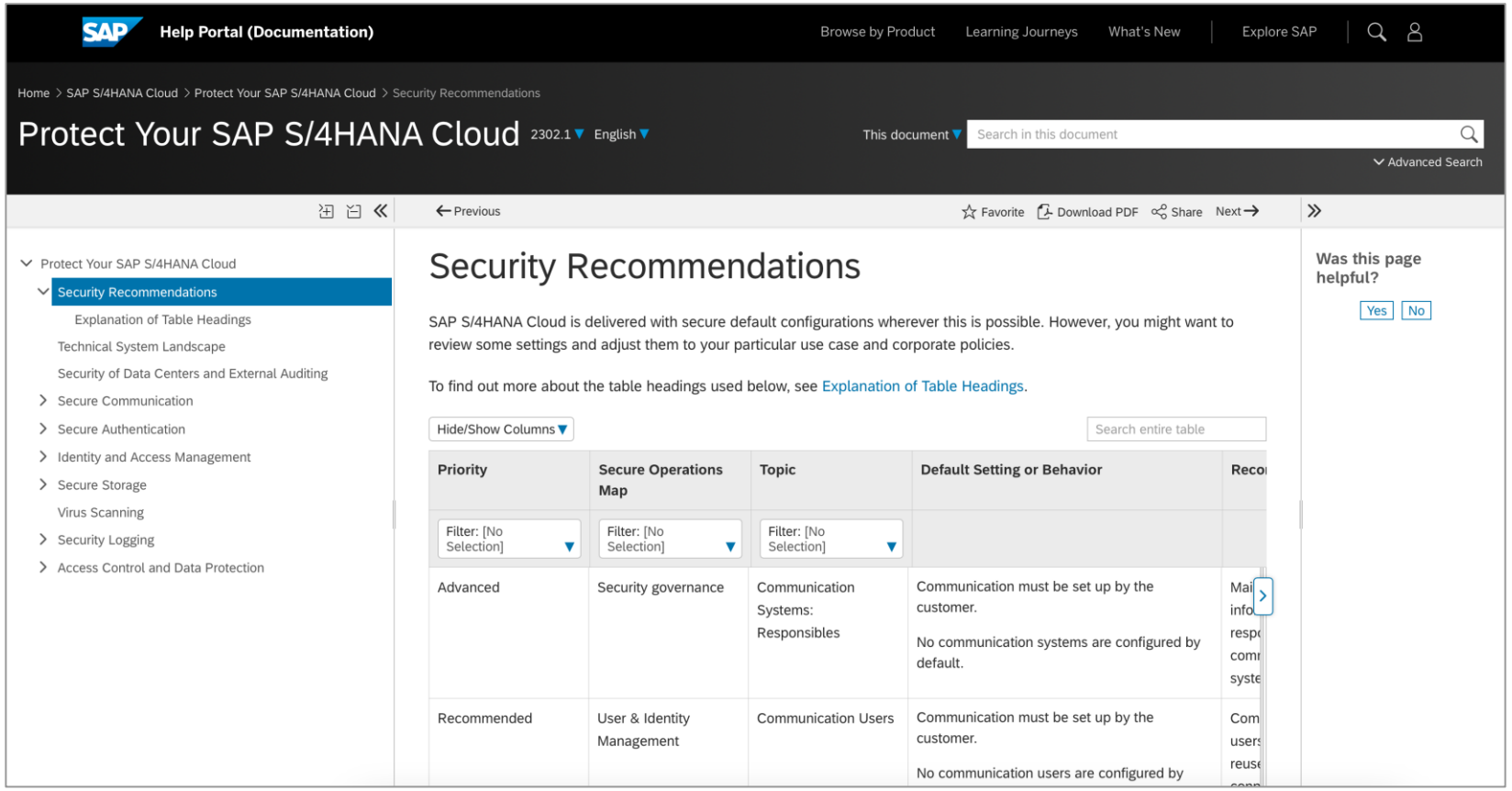
* SAP Document Management, Launchpad Service and Cloud Portal

Best Practices for Secure Application Development

- SAP Cloud Application Programming Model (CAP) which includes build-in security functionalities
- SAP BTP offers various services and APIs to develop secure software applications. See SAP BTP on SAP API Business Hub
- SAP BTP Security Recommendations for a securely configured platform

Security recommendations

Setting up SAP S/4HANA cloud securely



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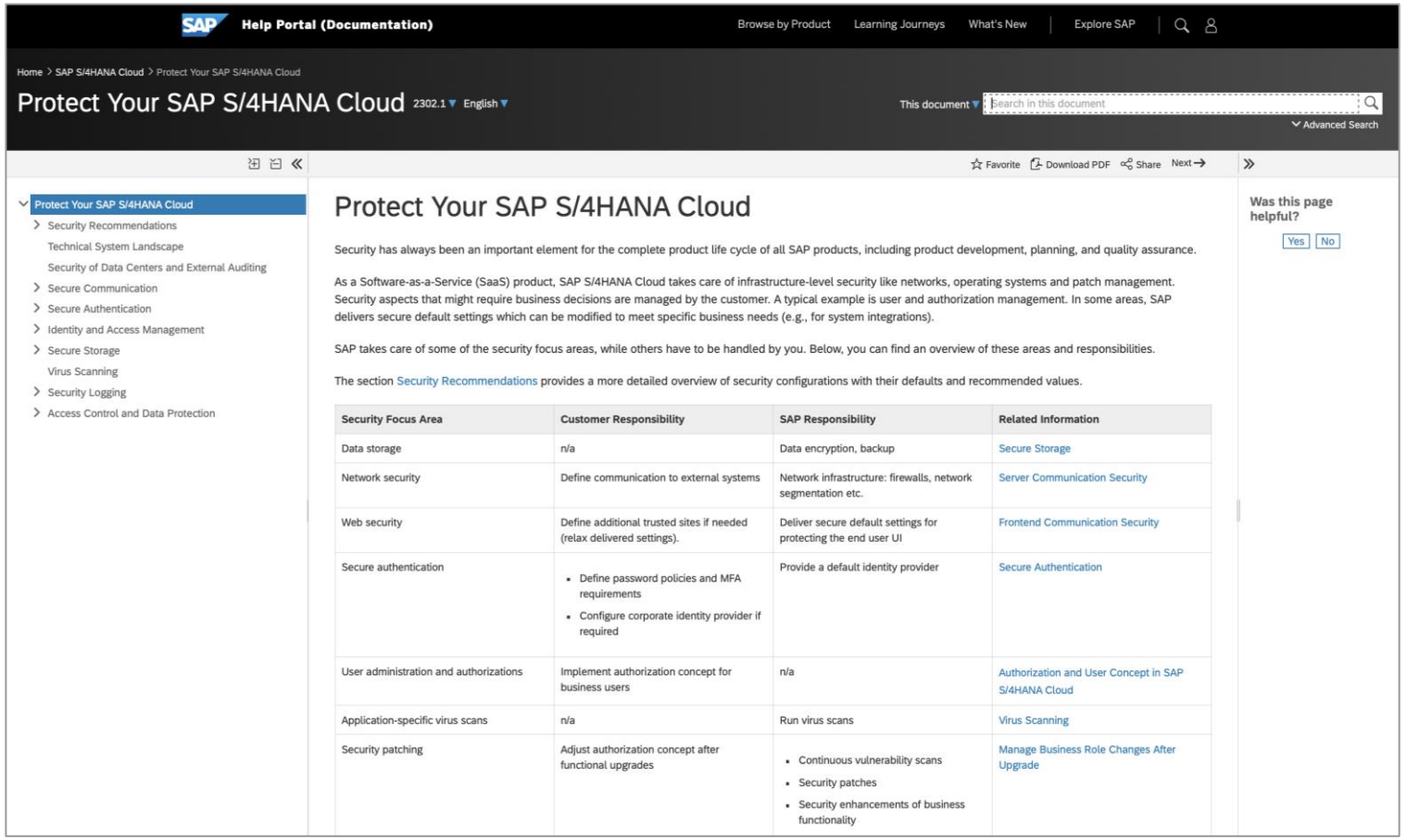
Protect your SAP S/4HANA Cloud

Setting up SAP S/4HANA Cloud securely



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Security Monitoring and Threat Detection

- Threat Intelligence Program
- Continuous monitoring of system and application logs
- Network traffic analysis
- Intrusion detection systems
- Proactive monitoring and response to potential threats
- Event, incident, threat, and vulnerability management
- Security information and event management (SIEM)
- 24/7 general security monitoring, including escalation procedures
- Security incident tracking and resolution by security specialists

See: Cloud Services: Reference Guide

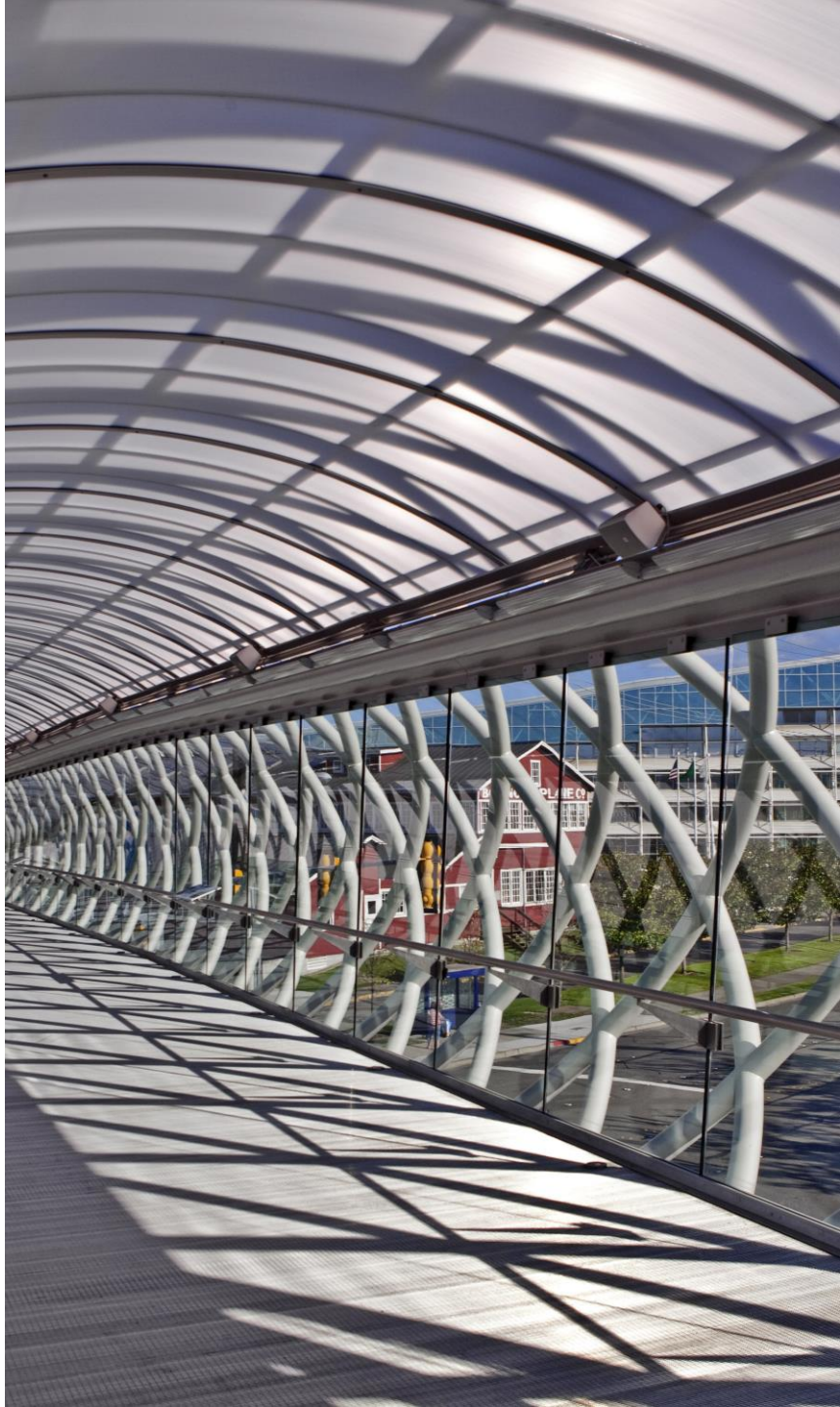
Conclusion

I. The SAP Business Technology Platform provides a comprehensive set of security and compliance features to ensure the security of customer applications and data.

II. Secure application development on the platform is supported through best practices for securing application user accounts and data.

III. Customers can review the platform's security features and controls and use the recommended best practices in configuring their applications for optimal security.

More Information on: My Trust Center & SAP for Me



Thank you.

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