

RISE Security Framework

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SAP Enterprise Cloud Services (ECS)

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RISE With SAP - Security Framework Built Into the SAP Offering...

Where you may be today

- ✓ Complex landscapes on older releases
- ✓ Home built extensions contain security vulnerabilities
- ✓ Desire to offload infrastructure
- ✓ Difficult processes to secure complex hybrid landscapes

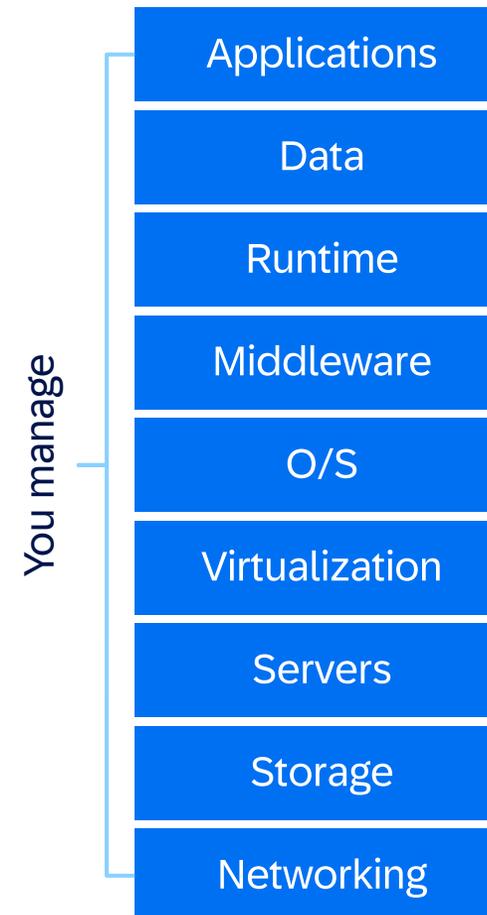
How SAP helps you run an Intelligent Enterprise

- ✓ Move your system to cloud and upgrade to S/4
- ✓ Move custom developments to BTP and standardize
- ✓ E2E responsibility for running and upgrading the system
- ✓ Upgrade to SAP S/4HANA, connect to BTP, Network, and LoB cloud Apps

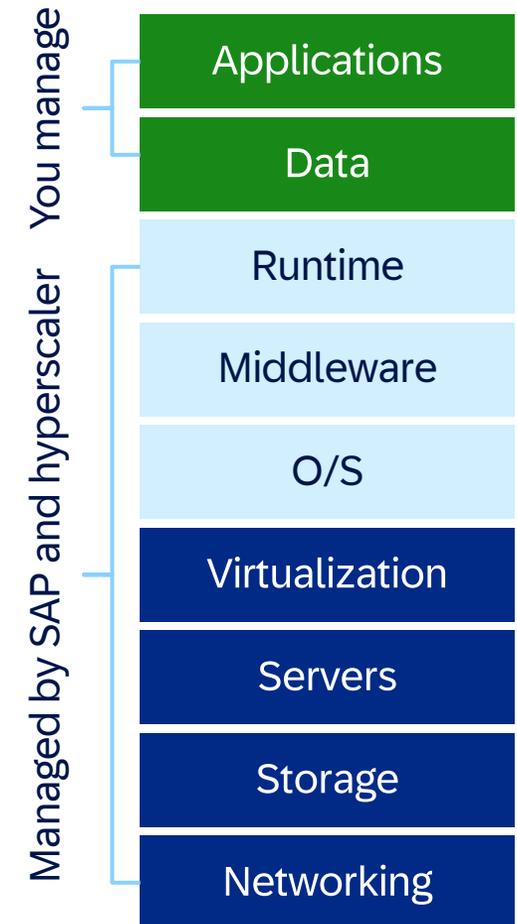
The Result

- ✓ Standardized system architecture in the cloud
- ✓ Increased security, diminished attack surfaces and overall TCO reduction
- ✓ One contact for all matters on S/4HANA, security and resilience
- ✓ Secure integrations using BTP

Traditional on-premises



SAP RISE with Azure (hyperscaler example)



SAP RISE Delivers Tangible Value

by protecting business and managing risk ensuring peace of mind for the executives



Improve business continuity and disaster recovery

Leverage SAP and hyperscaler service level agreements for business continuity, disaster recovery, and uptime capabilities



Increase compliance

Leverage SAP and hyperscaler third party audits (validated through various Certifications & Attestations) to increase compliance that can assist with CMMC and build Zero Trust efforts



Reduce security maintenance cost

Improve efficiency and effectiveness in the areas of patch management, security configuration, vulnerability scanning, threat management, compliance costs



Reduce talent acquisition and training costs

Leverage SAP skilled cybersecurity resources and best practices to reduce risk related to the cybersecurity talent shortage



Improve incident response time

Leverage SAP's Global Security Operations Center with 24 x 7 support including incident response, threat hunting for proactive security management



Increase enterprise security with strategic & transformational initiatives

Free up IT and security resources to focus on strategic security initiatives, manage risk related to cybersecurity, and software supply chain issues

Shared Security Responsibility Model

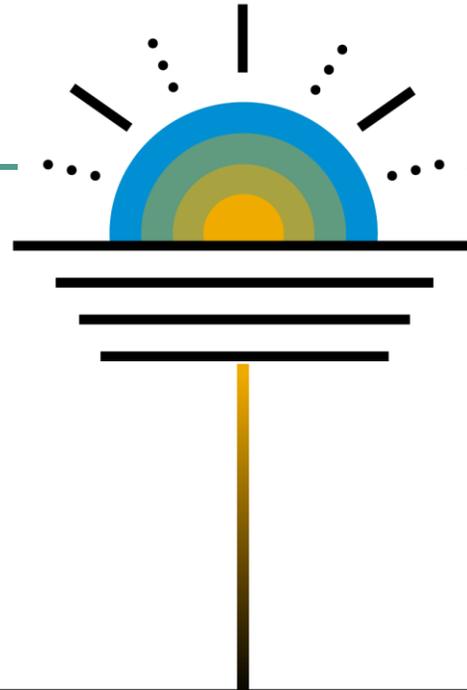
RISE WITH SAP S/4HANA Cloud, Private Edition

SAP Enterprise Cloud Services (ECS)

- ✓ Resilient platform architecture (HA and DR)
- ✓ Single Tenanted Landscape
- ✓ Managed Backup and Restore
- ✓ Building Secure Virtual Machines, Operating systems, networking, HANA Database
- ✓ HANA DB Management
- ✓ Technical Managed Services ([R&R Link](#))
- ✓ Operational Security and Managing security incidents
- ✓ 24x7 Security Monitoring
- ✓ Personal Data Breach Notification
- ✓ SLA and Support Services
- ✓ Threat Management & Patch Management

Customer

- ✓ Dedicated Private Connectivity to Hyperscaler
- ✓ Application User Identity Management
- ✓ Application User Authentication and Authorisation Management
- ✓ Application User Roles, User Groups, Access Control
- ✓ Customer Data Ownership
- ✓ Compliance to Government & Industry Regulations
- ✓ Application Security Audit Logging (SAL)
- ✓ Integration and Extensions, Custom Applications Development
- ✓ Configuration of the Customer Business Processes
- ✓ Application Change Management



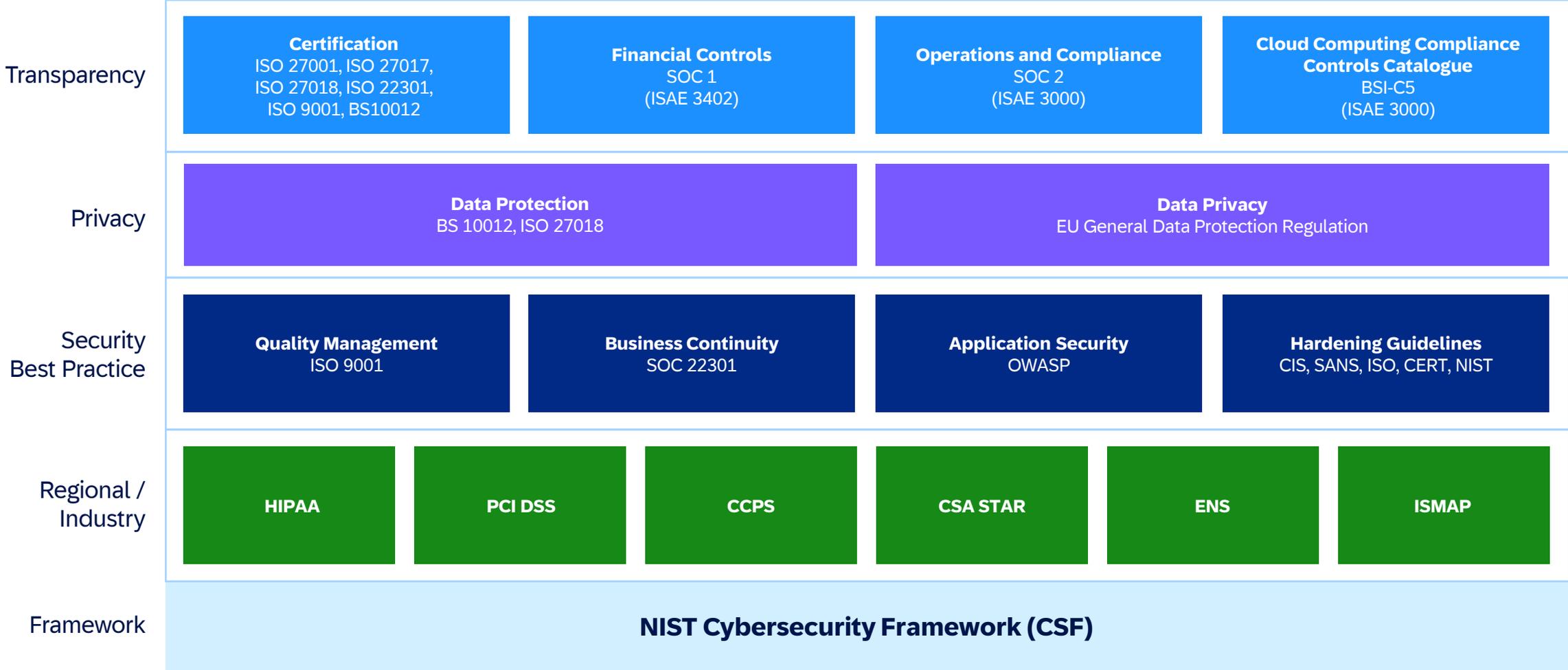
- ✓ Physical Data Center Security in multiple Regions
- ✓ Resilient Network Connectivity and Availability Zones
- ✓ Underlying Physical, Virtual Infrastructure & Hypervisor
- ✓ Network Availability with built-in basic DDoS protection
- ✓ Audit, Security and Compliance on IaaS

IaaS Provider
(Customer selected deployment Region)
Managed by SAP SE

Supported Hyperscalers



Governance of Standards and Best Practices



Security at SAP Enterprise Cloud Services

Mandatory Security Features; No hidden security costs

Security Monitoring

Real time visibility and decision making

- 24 x 7 Security Monitoring Center
- 24 x 7 Incident Response
- Advanced Forensics
- Advanced Detection Engineering

Network Security

Advanced IT Security Architecture

- Isolated landscapes, Security Hardened Systems
- Network Filtering
- Web Application Firewall (Standard and Premium with API Security)
- DDoS protection
- 2 factor authentication
- Encryption
- Advanced MultiCloud Defense

Cloud Security Posture Management

Protect data, control access, and detect threats

- Cloud Security & Compliance Umbrella
- Security Compliance Scanning
- Hardening Procedures (CIS Benchmarks + SAP Benchmarks)
- Hyperscaler Co-Innovation
- Attack Path Management

Vulnerability Management

State of the Art Risk-Impact Vulnerability Prioritization

- Asset Management
- Vulnerability Scanning
- Vulnerability Advisory
- Security Patch Management
- Risk Based Prioritization

Threat Protection

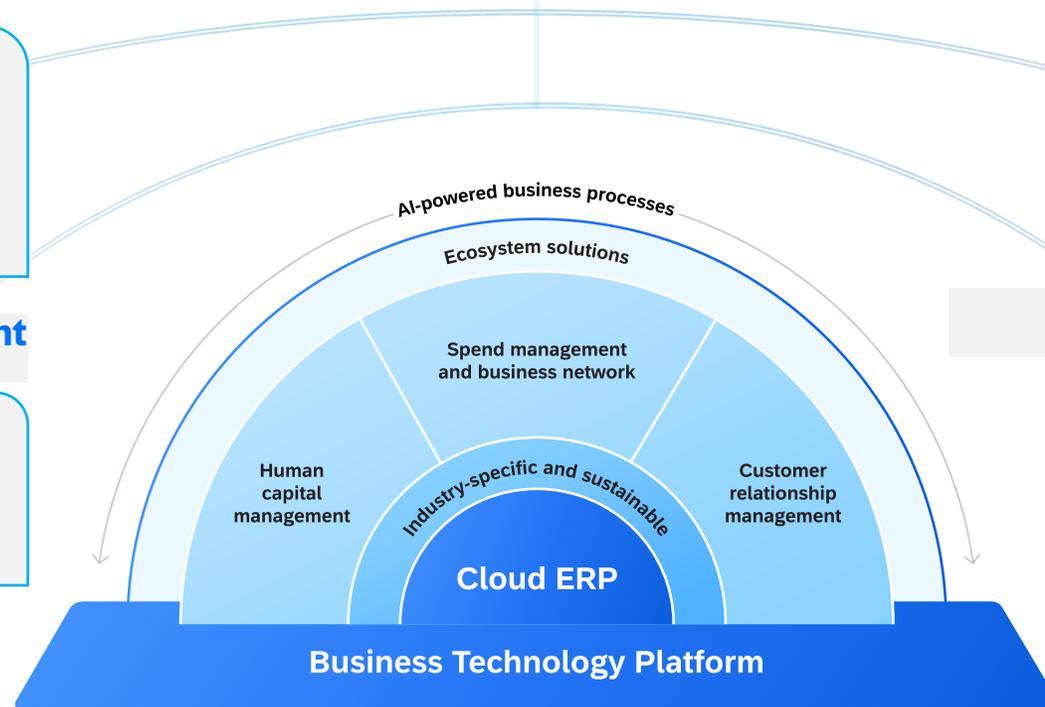
Advanced Malware Analysis

- Endpoint Detection & Response (EDR)
- Security Orchestration Automation and Response (SOAR)
- Malware Management
- Backup immutability **

Secure Operations

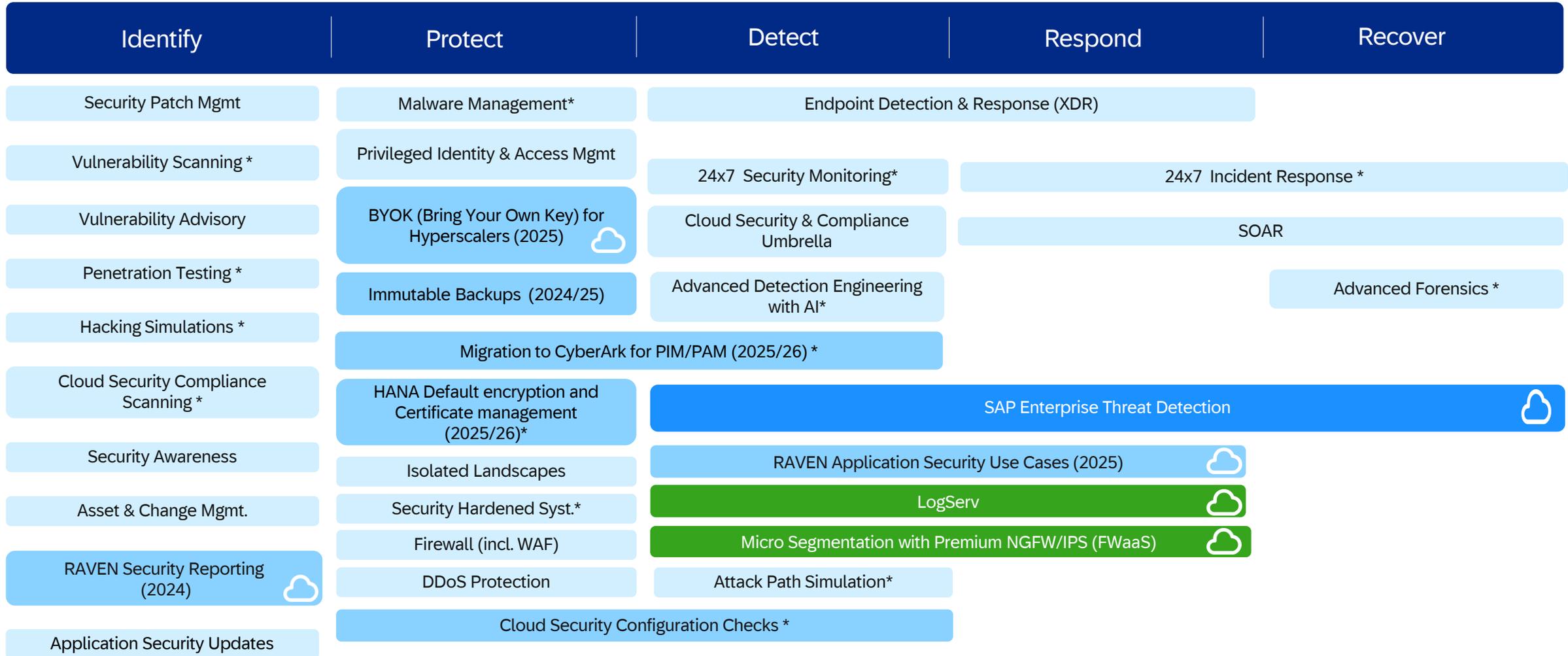
User and Process level security across hybrid landscapes

- Identity & Access Management
- Privileged Identity Management
- Change Management
- Security Awareness
- Penetration Testing
- Hacking Simulations
- Purple Team Program



The Secured Intelligent Enterprise

End to End innovation of Compliance & Security Processes – NIST Cybersecurity Framework



* Does not include the App layer

 Included in default package

 Optional Additional Solution

 On the roadmap

 Additional Self-Service

 Comes with a separate cost

What is LogServ & RAVEN?

Protect against cyber security threats to secure your success

LogServ is an ECS service to store and access your logs. We enable our customers and our internal teams to collect & centralize the logs from all systems, applications, and ECS services that are in use.

Features



Near Realtime Log Collection

You can integrate it into your SIEM or Log Management system.



Log Retention

You can retain your logs indefinitely. You can adjust the retention policy for each data source. We are offering retention periods between 10 years and one month.



Log Recovery

You can recover the logs which were retained for you by ECS.

RAVEN (*) is an ECS service making SAP Application Security & Threats easily manageable, while delivering “Security and Compliance” reports and dashboards to customer SIEM.

Features



Infrastructure Reports & Dashboards

Bringing Security monitoring, vulnerability management and compliance to customer SIEM.



Security Use Cases as a Service

Integration with customer SIEM.



Application Alerts, Reports & Dashboards

Threat activity of SAP Applications.
UBA Analytics.

ECS Security Documentation

- ✓ ECS Security and Compliance Document
- ✓ ECS Zero Trust Architecture Whitepaper
- ✓ ECS Security Orchestration Architecture & Response (SOAR) Whitepaper
- ✓ ECS Vulnerability Management Guide v1–v2 under design phase (to be released Q3)
- ✓ ECS Fighting Against Ransomware Whitepaper
- ✓ ECS Breach Notification and Incident Management Whitepaper
- ✓ Zscaler for SAP RISE with SAP Zero Trust Framework
- ✓ Two more whitepapers
 - ✓ ECS Cyber Resilience Framework
 - ✓ ECS Encryption Guide



Thank you.

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