Accelerate and secure your SAP S/4HANA® Cloud migration with Zscaler

EY capability overview

July 2025

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Shape the future with confidence

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Contents

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01

Why the move to SAP S/4HANA® Cloud? How can enterprises accelerate migration securely?

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Why the push to SAP S/4HANA® Cloud?

Support and maintenance considerations

End of support for SAP ECC®
End mainstream maintenance for SAP® ECC by 2027 (no updates, support or security patches) creates urgency for migration

New incentives
Various tools, resources and incentives from SAP® to assist organizations in their migration

Strategic direction and innovation

Focus on SAP S/4HANA® Cloud
SAP® commitment to developing SAP S/4HANA® Cloud as the next-generation ERP (enterprise resource planning) suite

Enhanced capabilities
Advanced features such as real-time analytics and integrations with emerging technologies

Cloud adoption and market trends

Cloud-first strategy
SAP's emphasis on cloud solutions to reap the benefits of an agile cloud-based environment

Market demand
Growing demand for modern ERP systems and cloud adoption drives push to adopt SAP S/4HANA®Cloud

SAP S/4 HANA® Cloud

20%
reduction in total cost of ownership (TCO) according to SAP® study by moving to SAP S/4HANA® Cloud

30%
improvement in process efficiency through workflow automation

50%
faster response to market demands

40%
reduction in implementation time for new capabilities

25%
increase in user productivity with modern ERP

30%
reduction in carbon footprint with cloud solution

SAP.com, 2025

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Accelerate your SAP migration securely with Zscaler

EY has a great service to simplify my migration to SAP S/4HANA® Cloud, but what value does Zscaler bring to my organization during and after migration?

Zscaler for SAP S/4HANA® Cloud

- Streamlined access during cloud migration

- Secure remote access without VPNs

- Improved performance and user experience

- Business continuity and high availability

- Attack surface mitigation and lateral risk reduction

- SAP® approved and available within environments

- Consistent service-level agreements (SLA) with SAP®
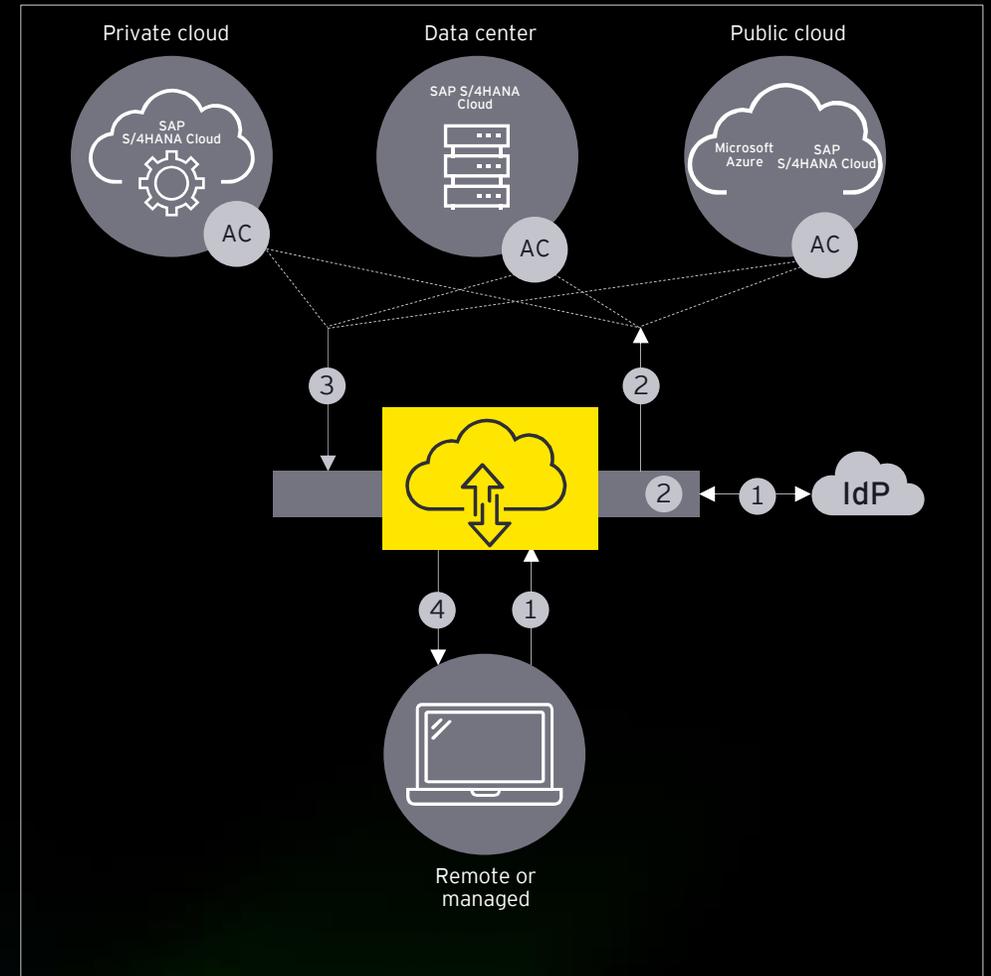
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Use case enablement

ZTNA for SAP® applications	Third-party access	Browser isolation

ZPA can be **natively** provisioned within an enterprise's SAP S/4HANA® Cloud, providing secure access without the need for a VPN. Zscaler enforces granular user-to-application access policies and can recommend application segmentation based on access patterns:

1 User authenticates with IdP and requests access to SAP® applications.

2 Policies are checked to determine authorization for the application.

3 If authorized, an outbound-only connection is established to the application.

Private cloud — SAP S/4HANA Cloud — AC

Data center — SAP S/4HANA Cloud — AC

Public cloud — Microsoft Azure — SAP S/4HANA Cloud — AC

IdP

Remote or managed

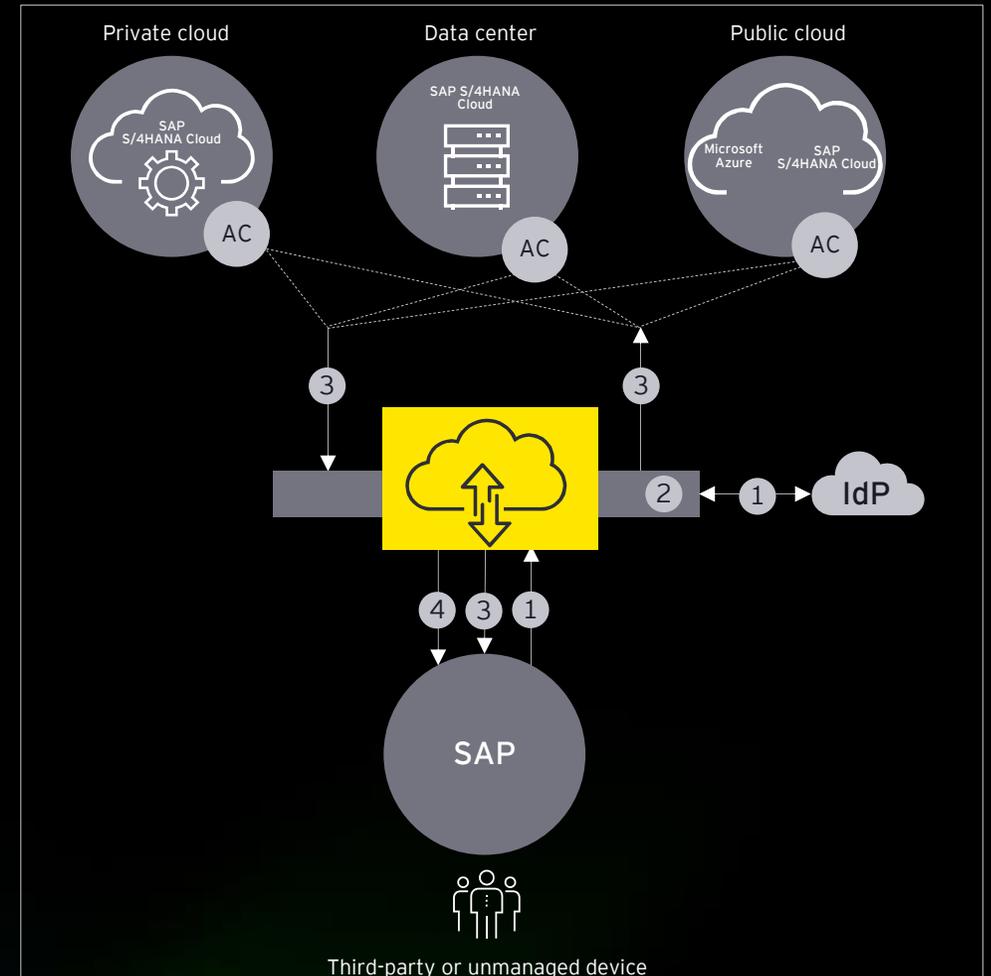EY

Use case enablement (cont.)

| ZTNA for SAP® applications | **Third-party access** | Browser isolation |

For partners or third-party users or for those without a managed device, clientless access provides secure remote access to SAP® applications:

1 User authenticates with IdP to access the user portal.

2 Policies are checked to determine authorization.

3 Zscaler displays the applications the user can access and creates a secure application-to-user tunnel from the closest edge location to the user.

**4** User can execute job functions within application, with all activity monitored.

Private cloud   Data center   Public cloud

SAP S/4HANA Cloud

SAP S/4HANA Cloud

Microsoft Azure   SAP S/4HANA Cloud

AC   AC   AC

3   **3**

2   **1**   IdP

4 **3** **1**

SAP

Third-party or unmanaged device

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Use case enablement (cont.)

ZTNA for SAP® applications	Third-party access	**Browser isolation**

When the focus is on protecting users from web-based threats and providing safe browsing and data protection, cloud browser isolation enhances security. Enterprises can apply controls based on user groups, providing granular control over access and interactions:

1 User authenticates with IdP.

2 Policies are checked to determine authorization.

3 Content is rendered in an air-gapped browser where pixels are streamed to the user's browser. Based on policy, users can/can't perform certain actions, and any internet threats are prevented from impacting applications or data.

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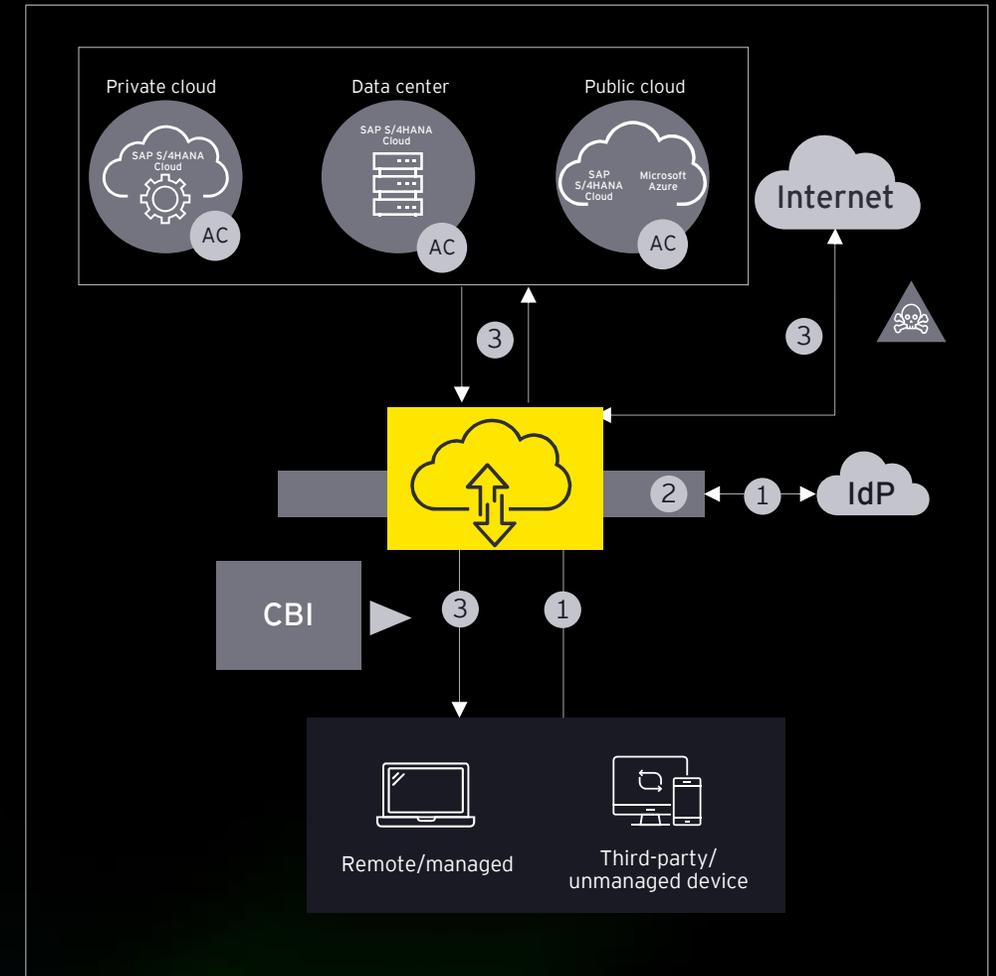
02

What we do to support EY clients

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Zscaler and SAP® : EY service offerings

Strategy and advisory

Strategy baseline or creation	Define or refine your strategy for zero trust or ZTNA (zero trust network access) for SAP®
Business case	Business case to calculate the potential ROI or cost savings and improved security by modernizing architecture to Zscaler
Architecture workshop	In-person or virtual half-day exercise to help you define or refine your Zscaler approach, use cases, design and what to do next
Zscaler health check	Review existing Zscaler deployment against best practices, provide prioritized recommendations and remediations
SAP S/4HANA® Cloud specific	Penetration testing, red or purple teaming, risk management

Transformation

Solution design and architecture	Define or refine your strategy for zero trust or ZTNA for SAP® and target architecture for migration with SAP S/4 HANA Cloud
Zscaler operating model	Processes, procedures, roles or responsibilities for maintaining your Zscaler environment for today and tomorrow
Zscaler stack implementation	Full or partial Zscaler capability (ZIA, ZPA, browser isolation, ZDX) deployment, including system integration, policy creation
SAP S/4HANA® Cloud specific	Privileged IAM (identity access management), BYOK (bring your own key), CSPM (cloud security posture management)

Operate

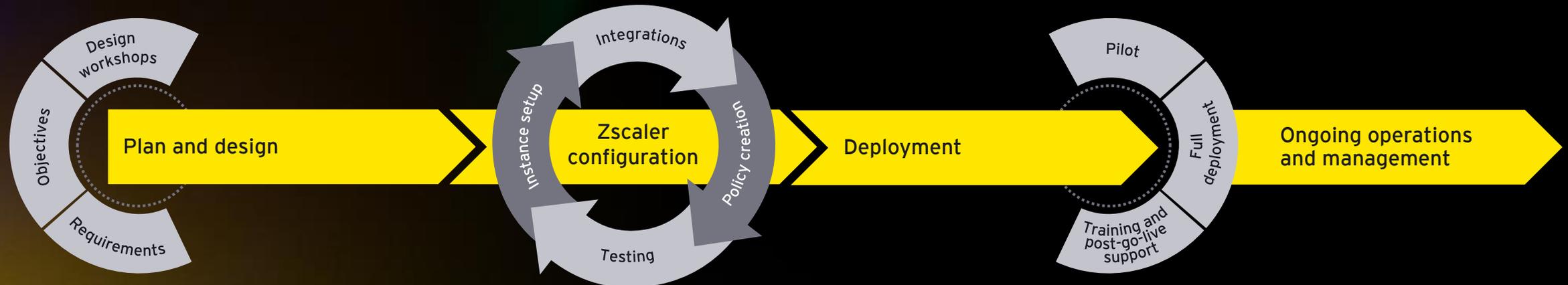|	
Zscaler system support	Management, monitoring and incident escalation providing up to 24/7/365 support with customized SLA to meet your business and team needs
SAP S/4HANA® Cloud specific	Incident response, SOAR (security orchestration, automation and response), advanced forensics

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EY Zscaler transformation and implementation methodology

Assessment baseline is conducted of current vs. target state to define core use cases and create solution design and architecture to business and technical requirements.

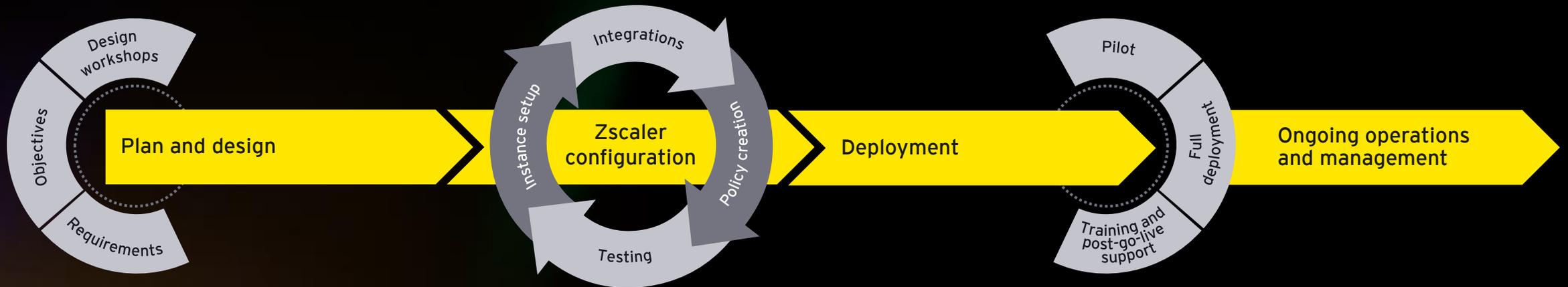Use cases and functionality rollout is conducted in a flexible manner to align to the speed of business focused on end-user enablement and success with hypercare support.

Plan and design

- Design workshops
- Objectives
- Requirements

Zscaler configuration

- Integrations
- Policy creation
- Testing
- Instance setup

Deployment

Ongoing operations and management

- Pilot
- Full deployment
- Training and post-go-live support

Iterative build and configuration process is an agile approach where activities can be broken up into use case sprints, delivered and tested throughout the phase, feeding the deployment.

Partial augmentation or fully managed service of ongoing operations and management allows for optimal system health, enhancements, operations and activation to boost security and ROI.

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Illustrative example: Zscaler implementation and support for SAP®

Plan and design → **Zscaler configuration** → **Deployment** → **Ongoing operations and management**

Plan and design (circle): Design workshops, Objectives, Requirements

Zscaler configuration (circle): Instance setup, Integrations, Policy creation, Testing

Ongoing operations and management (circle): Pilot, Full deployment, Training and post-go-live support

Activities

Plan and design
- Gather requirements: Identify locations, application access, use cases and policies.
- Define objectives: Set measurable success criteria for Zscaler for SAP®.
- Technical design workshops: Discuss ZIA and ZPA features, third-party platforms, and policies with client stakeholders and teams.
- Architectural design: Create a design considering changes and integration with the existing ecosystem and business workflows and functions.

Zscaler configuration
- Set up ZPA within SAP S/4HANA® Cloud environment.
- Set up Zscaler client connectors for managed devices and application connectors within SAP S/4HANA® Cloud environments.
- Set up identity provider (IdP) integrations.
- Explore application discovery or mapping and security policy builds.
- Test configuration against mapped use cases for expected results and control.

Deployment
- Pilot a group of users to validate the configurations and initial use cases, collect feedback, tune and prepare for broader rollout to the organization.
- Execute a measured rollout to all users aligning with enterprise change windows or processes while monitoring performance and making any adjustments based on end-user feedback.
- Train end users, IT and business units on the new Zscaler system and functionality.
- Provide hypercare support during the pilot and initial go-live to facilitate smooth operation and maintenance.

Ongoing operations and management
- Continuously monitor the Zscaler environment for traffic, performance and security events.
- Regular updates, patching and response to alerts and events.
- Continuously tune configurations and policies, including new use cases to support the business.
- Leverage the operation team or full management.

Output

Plan and design
- Project plan
- Requirements (functional, technical, compliance)
- High- or low-level design and architecture

Zscaler configuration
- Detailed solution build guide: ZPA, application connectors
- Policy build documentation

Deployment
- Implementation plan
- Training materials
- Communication plan
- Operating model design

Ongoing operations and management
- Support runbooks
- Updated build documentation
- Incident response plan

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Assets and accelerators overview

Strategy and advisory

Zscaler health check

Solution architecture

Zscaler cost take out business case

Transformation

Deployment documentation

M&A

SAP S/4HANA Cloud

Operate

Operating model

Operation runbooks

Source: [OPEN]

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Case studies

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Use case − global pharmaceutical company

Client challenge

Global biopharmaceutical company that develops innovative medicines, vaccines and animal health products needed a partner to design and accelerate its adoption of Zscaler to address its SAP® deployment:

- Inconsistent remote security for employees and third parties
- Tech debt and many legacy systems
- Costly integrations for M&A
- High-risk geographies
- Overprovisioned access

Our solution

- Deploy a Zscaler zero trust solution tailored for SAP S/4HANA® Cloud to address security challenges.
- Implement private access for users, ensuring secure connections to SAP® applications.
- Use Zscaler private access for workloads to facilitate secure application access.
- Deploy cloud connectors, app connectors and client connectors for end users to enhance security and access control.
- Implement ZPA private service edge to provide robust security for SAP S/4HANA® Cloud environments.

Value delivered

- Provides enhanced security for SAP® applications through the integration of Zscaler's solutions, delivering a strong defense against potential threats.
- Implements ZPA private service edge to enhance security and access control for SAP S/4HANA® Cloud.
- Achieves a uniform security posture for all users accessing SAP®, regardless of location.
- Enables secure DNS resolution capabilities without compromising security.
- Simplifies security architecture by decommissioning legacy systems impacting SAP® operations.
- Enhances security for critical SAP® applications by enforcing zero trust principles and integrating device health checks.

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Contacts

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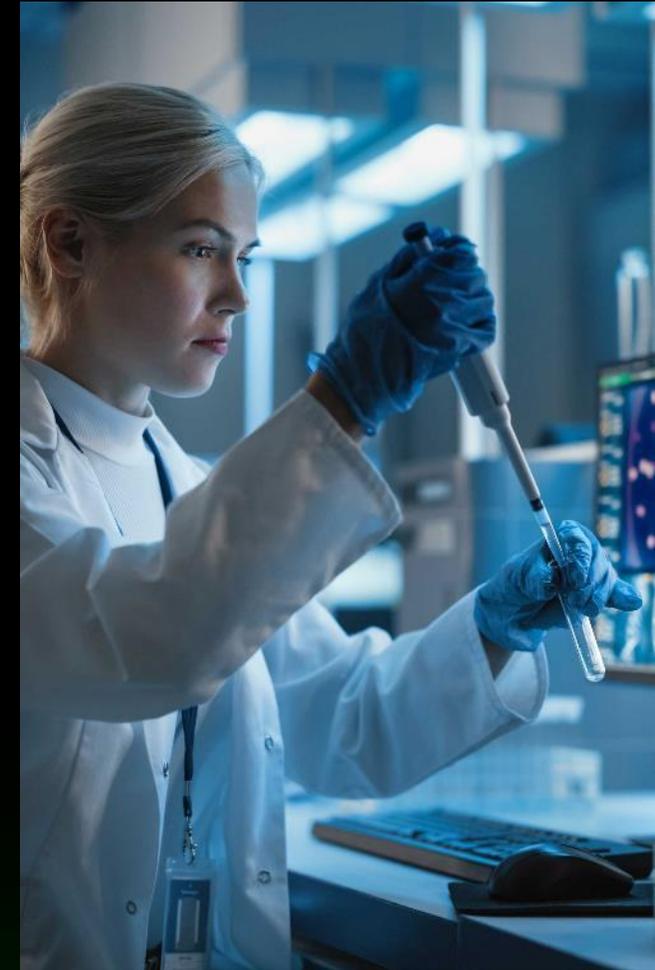
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