

# Appspan Security Platform

## Data Security, IAM & GRC for Your Entire ERP Ecosystem

### Highlights

- ▶ Enforce Zero Trust security for mission-critical ERP applications.
- ▶ Automate cross-application GRC initiatives: authorizations, SoD, provisioning, and more.
- ▶ Prevent insider threats, restrict users from advertently or inadvertently leaking or being exposed to sensitive data.
- ▶ Protect sensitive data from phishing attacks, payroll diversion, and brute-force attacks.
- ▶ Simplify compliance requirements and automate reports for SOX, GDPR, and CCPA.

ERP applications process and hold customer and employee PII and financial data – high-value targets that need protection from internal and external threats. A vast number of users access your ERP applications from different geolocations, devices, and network connections. The dynamic nature of access makes access governance, data governance, and data security a significant challenge. Most ERPs have static security controls and manual reporting, creating blind spots that result in security and compliance gaps.

The Appspan Security Platform (ASP) is purpose-built to safeguard mission-critical business data. Appspan Security delivers a comprehensive platform that combines Data Security, Identity and Access Management (IAM) and Governance Risk and Compliance (GRC) to give organizations complete control and visibility over their business data. Appspan Security customers can automate their critical GRC initiatives like authorizations and segregation of duties, while simultaneously enforcing data security best practices like zero trust and least privilege. All to ensure that GRC, identity governance and access control policies are strictly enforced - even in a dynamic environment.

Cybersecurity is a priority for the State, and Appspan’s solution allowed us to enhance our security posture to provide even stronger safeguards of our critical systems and personnel data, while providing greater visibility for administrators into transaction-level detail.

**Jeff Larshus**

Director of State Financial Services,  
North Dakota Office of Management  
and Budget.

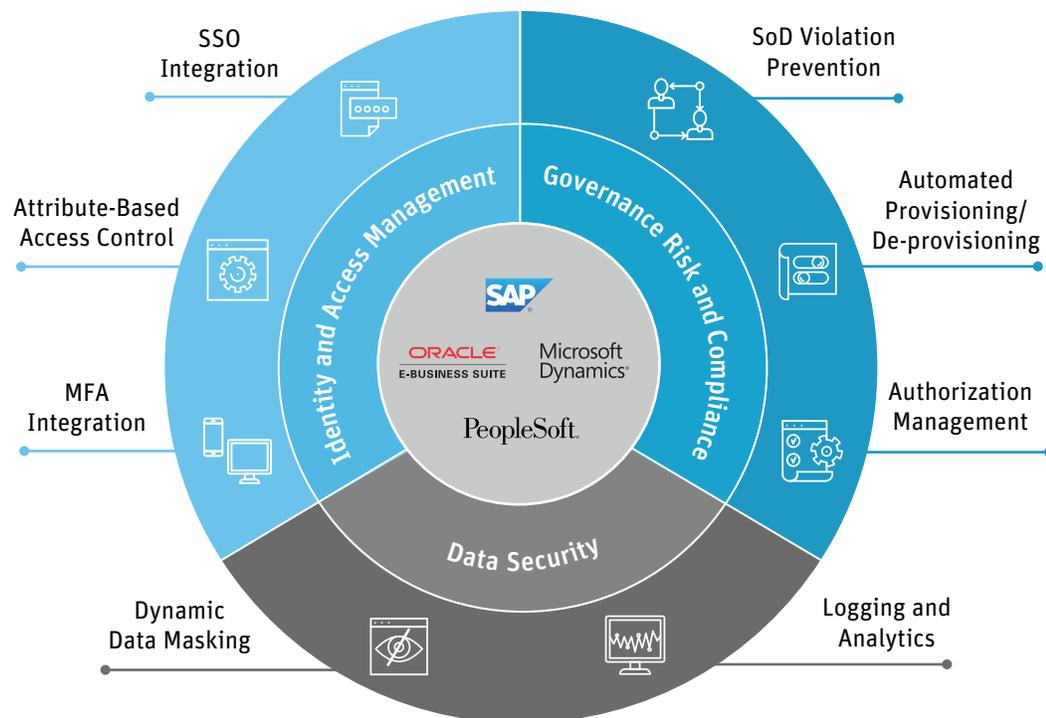


Figure1: Appspan Security Platform

## Key Use Cases



### Secure Remote Access with Zero Trust

#### CHALLENGE

Legacy ERP applications, use static role-based access controls (RBAC) to govern access. These controls have reached their limitations in a dynamic workplace because static roles do not leverage contextual attributes.

#### SOLUTION

Appian can enforce a Zero Trust policy that considers a user's contextual attributes, including the location of access, time of the request, and others, before establishing trust and granting access to data or transactions. Your security teams can leverage these dynamic user privileges to enforce multi-factor authentication for partial or full access to sensitive data and transactions.



### Insider Threat Prevention

#### CHALLENGE

Employees across corporate headquarters, branch offices, remote locations, and channel partners access ERP applications from multiple locations. Cybercriminals are increasingly attacking end-users to gain their credentials. ERP applications have limited visibility into user access and their activities; this gap drives up insider threats.

#### SOLUTION

Appian can detect and stop insider threats from malicious insiders or inadvertent data disclosure. Implement multi-factor authentication for critical transactions. Secure sensitive data access, leverage click-to-view masking, and log user activities to uncover discreet PII access, privileged user abuse, snooping, or detecting flight risk patterns. Get complete visibility into landspeed violations to gain insights into credential sharing or credential theft in your organization.



### Business Risk Management

#### CHALLENGE

Security and monitoring in ERP applications are manual; they affect productivity, are unscalable, and obscures business risks. Periodic audits are critical but cumbersome; it uncovers business risk in hindsight compromising security.

#### SOLUTION

Appian allows you to define fine-grained, attribute-based access controls and gets actionable insights into data accesses. It captures detailed information on transaction edits and changes to master data—track creation of new vendors, purchase orders, requisitions, etc. It allows you to enforce granular policies so users can only export sensitive data in secure environments and implement SoD policy governance.



### Streamline Audit and Compliance

#### CHALLENGE

Legacy applications have limited logging capabilities, and that creates blind spots. More so, businesses are under pressure to report data breaches, monitor system performance, and respond to an audit-specific ask in a stipulated time to meet compliance.

#### SOLUTION

Appian provides granular visibility into who, when, and where of data accesses. Pre-built compliance reports for SOX, GDPR, PCI-DSS and CCPA, help ease complex regulatory requirements. These ready-to-use reports help respond to audit challenges promptly and contain data breaches faster. Businesses can take full control of sensitive PII with redaction, stepped-up authentication, and logging for investigations and compliance hygiene.



## SoD Violation Prevention

### CHALLENGE

Analyzing Segregation of Duties (SoD) conflicts is complex and time-consuming. Many organizations still manually identify and enforce rules which require numerous resources and a vast amount of man-hours to complete and is still error-prone and difficult to audit.

### SOLUTION

With an automated solution, organizations will eliminate countless hours of checking and reconfirming, preparing reports and enforcing rules. The solution simplifies and rapidly analyzes the ERP ecosystem for any SoD violations and potential risks. Once a conflict is identified, organizations can quickly resolve the risk and provide compliance-based role options.

## ASP Features and Benefits

Features	Benefits
Single Sign-On (SSO) Integration	Enable native SAML integration with legacy ERP applications for enterprise SSO solutions like Okta, Ping Identity, Azure/ADFS, and more. The feature provides seamless access to applications with one set of credentials supporting various device types without the need for custom development or proxy servers.
Multi Factor Authentication (MFA) Integration	Enable dynamic MFA at the application level and enforce stepped-up multi-factor authentication at the transaction level. Monitor high privileged user activity, gate high-value transactions, and grant user access based on contextual attributes like device, geolocation, time, and more.
Attribute-Based Access Control	This feature incorporates an attribute-based model that applies real-time contextual information to determine access privileges to business data. Streamline and simplify core business processes like segregation of duties, privileged access management, global procurement, and more within the ERP applications.
Dynamic Data Masking	Enforce full or partial data masking to obscure sensitive data without disrupting existing application functionalities. Escalate security from static to dynamic attribute-based masking and limit exposure of sensitive data. Leverage click-to-view functionality to protect against unnecessary data exposure while logging intentional access to sensitive information to create a complete audit trail for compliance and investigations.
Logging & Analytics	This feature collects logs from your business applications such as ERP to provide real-time visibility into user access, IP address of frequent transactions, asset inventory, and other vital data. Analyze and correlate application logs with additional contextual attributes like location, device, role, time of day, etc. Get a custom view of your applications with actionable insights across functions like IT, information security, compliance, audit, and risk.
SoD Violation Prevention	By automating the segregation of duties, organizations will eliminate countless hours of checking and reconfirming, preparing reports, and enforcing rules. AppSIan simplifies and rapidly analyzes the ERP ecosystem for any SoD violations and potential risks. Once a conflict is identified, organizations can quickly resolve the risk and provide compliance-based role options.
Automated Provisioning/De-provisioning	AppSIan provides segregation of duties controls while automating user provisioning and de-provisioning, reducing the amount of manual work required, and providing an audit trail of documents. Taking control of how access is granted is key to maintaining compliance and adhering to various regulations from the start.
Authorization Management	Optimize authorization roles and be in control over sensitive permissions. Administrators benefit from state-of-the-art analytics tools that can help enhance the current authorization processes.

## Appspan Security Platform Benefits



No business disruption.  
Timely software updates  
and tech support.



Rapid Implementation.  
Go live in weeks  
not months.



Minimal performance  
degradation. Define and enforce  
optimized security policies.

## Winner of Two Global Infosec Awards



- Next-Gen in ERP Data Security
- Cutting Edge in ERP Risk Mitigation

## Integrations



ORACLE®  
E-BUSINESS SUITE

Microsoft  
Dynamics®

PeopleSoft.

**REQUEST A DEMO**

Or contact us at: [info@appspan.com](mailto:info@appspan.com)

### About Appspan

Appspan Security provides the fastest path to strengthening ERP data security, IAM & GRC for some of the largest organizations in the world using SAP, Oracle E-Business Suite, and PeopleSoft. Using a software platform designed for intrusion prevention, data loss prevention, and threat detection & response, Appspan Security helps ERP customers attain the deepest levels of control and visibility. Appspan Security is an Oracle and SAP technology partner and won the 2021 Global Infosec Awards for Next-Gen in ERP Data Security and Cutting Edge in ERP Risk Mitigation. More than 300 global customers from IT & IT services, financial services, healthcare, higher education, federal and state governments trust Appspan to safeguard their mission-critical ERP applications.

Learn more at [www.appspan.com](http://www.appspan.com).

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