

ERP Data Security

Protect your core business data and transactions with data-centric security, compliance, and access controls

AppSIAN Differentiators

- ▶ Obscure sensitive PII and financial data to prevent data leakages
- ▶ Dynamic policies to regulate remote and third-party users' data access rights
- ▶ Stepped-up security with multi-factor authentication and logging
- ▶ 360-degree visibility into ERP eco-system
- ▶ Comprehensive protection with data security, IAM, and GRC controls for ERP

ERP applications store and process a large volume of PII and financial data that must be protected. However, most data security solutions cannot mask sensitive data at the ERP user interface level, increasing data leakages. In addition, data access needs to be restricted based on user attributes as employees and third-party users have become mobile and use personal devices to access ERP systems. At the same time, enterprises struggle to comply with data privacy mandates such as GDPR and CCPA. There is also a lack of visibility into who is accessing ERP data resulting in security blind spots.

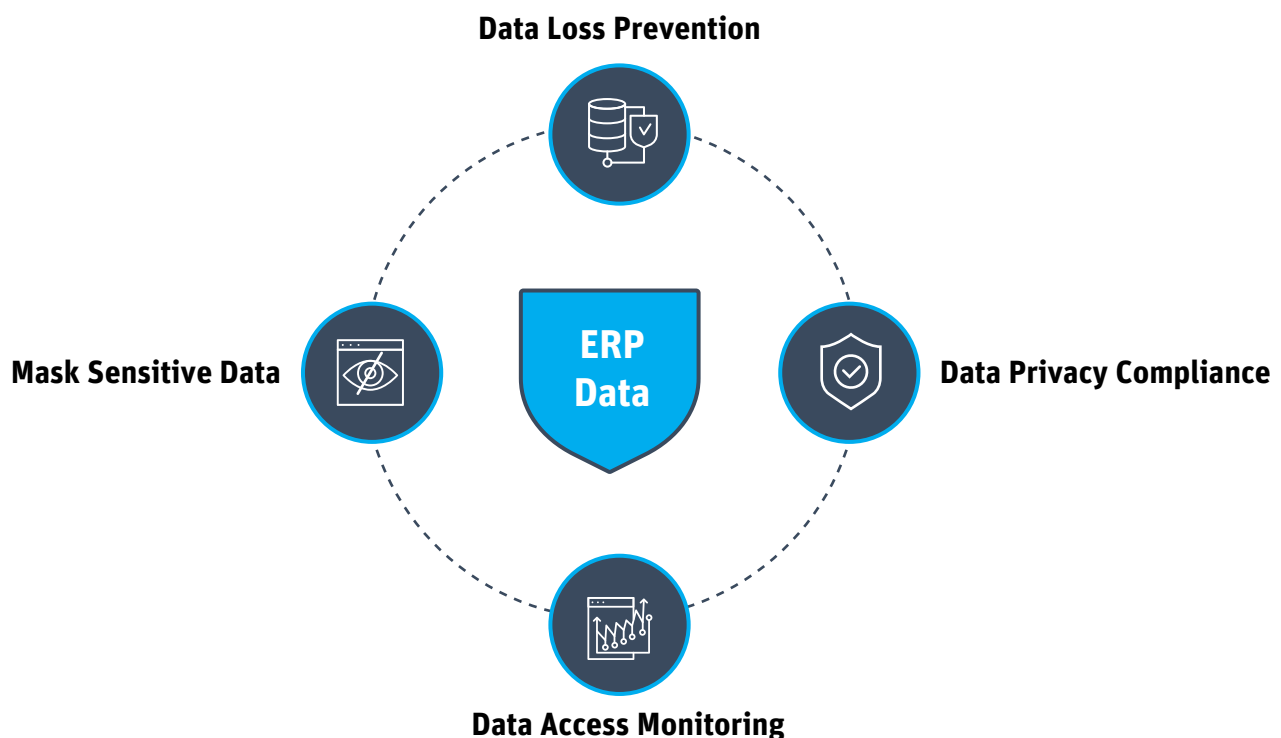
It takes 280 days at an average to detect & contain a data breach¹

AppSIAN Security can safeguard ERP data by protecting its integrity and controlling its access. AppSIAN can obscure sensitive data and limit its exposure at the user interface level. The solution analyzes user attributes such as location, device, and time of day to control employee and third-party access to ERP data. In addition, enterprises can escalate security by leveraging click-to-view and adding a layer of multi-factor authentication. This capability creates data access logs, modification of master data, sensitive t-codes executions, and provides real-time visibility into the security and compliance posture.

¹Cost of a Data Breach Report 2020 by Ponemon Institute

With AppSIAN, it's easy to configure preventative controls at the business process, transaction, and field level. These controls are essential because they are proactive and focused on maintaining the quality of your data.

Key Solutions



Mask Sensitive Data

CHALLENGES

Enterprises rely on data security controls to restrict PII and financial data access. However, most ERPs fail to protect/limit exposure of sensitive data at the field level. In addition, external data security controls are cumbersome to integrate and are effective only at the database level.

SOLUTION

AppSIAN's data security controls can mask sensitive PII and financial data in the ERP user interface by enforcing full or partial data masking. In addition, the solution provides click-to-view that can expose sensitive data after the user has clicked on the masked field or cleared the multi-factor authentication challenge.



Data Access Monitoring

CHALLENGES

Traditional ERPs do not collect detailed logs; they lack visibility into user activities, audit trails, and ongoing threats resulting in security blind spots and data breaches. ERPs also have limited visibility into employee and third-party user access, master data modification, and high-value transaction execution, making it challenging to uncover insider threats or fraud.

SOLUTION

Appian provides 360-degree visibility with granularity into the who, when, and where of ERP data access. For example, Appian can provide insights into data access and usage with details such as user, location, device, time-of-day, a modification made to data, etc. In addition, Appian collects detailed ERP logs and analyzes them to uncover suspicious user behavior, build threat trails for investigation, and alerts suspicious behavior for faster remediation.



Data Privacy Mandates

CHALLENGES

ERP logging capabilities are restricted to logging in and out, and there is no tracking of who is accessing PII. Additionally, ERP applications contain sensitive data on hundreds of pages, therefore, investigating or tracking a specific event across many pages and compliance reporting is time-consuming. Also, since most user access policies are based on static rules, there is a high risk of data exposure and misconfigurations leading to compliance violations.

SOLUTION

Appian provides granular visibility into the who, when, and where of data access and usage. Pre-built compliance reports for GDPR 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.



Data Loss Prevention

CHALLENGES

Enterprises are adopting work from anywhere on any device to keep pace with the changing business landscape. Therefore, when remote users access sensitive data from their personal devices, it is critical to regulate that access, resulting in unnecessary data exposure and data exfiltration.

SOLUTION

Appian Security protects data and controls access to customers' and employees' PII, financial data, and intellectual property. The solution can mask data on query and search pages to prevent data download in HTML or Excel format to protect against data leakages. In addition, enterprises can get real-time visibility into data access and receive alerts on suspicious activities, providing insights into compliance.

According to PwC, the consequence of reactive controls can be ten times more expensive than preventative controls, and only Appian Security can quickly help you prevent data security incidents. To overcome ERP data security challenges, enterprises must protect sensitive data and regulate access to the data without compromising business productivity and compliance. Appian Security can provide comprehensive Data Security, Identity and Access Management, and Governance Risk and Compliance for various ERP environments.

To know more

SCHEDULE A DEMO

Or contact us at: info@appsian.com

About Appian

Appian 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, Appian Security helps ERP customers attain the deepest levels of control and visibility. Appian 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 Appian to safeguard their mission-critical ERP applications. Learn more at www.appsiansecurity.com



Follow us on:

