APPSIAN SECURITY

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ORACLE | Partner

ERP Data Security

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

Appsian Differentiators

▸ **Obfuscate 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 additional factor authentication and logging

▸ **360-degree visibility with granularity** 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. Most data security controls cannot mask sensitive data at the ERP user interface level, thereby 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 data, a capability missing in most ERP solutions. At the same time, enterprises struggle to comply with data privacy mandates such as GDPR and CCPA. The lack of visibility into who is accessing what ERP data and from where has created security gaps that result in a larger attack surface.

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

Appsian Security can safeguard ERP data proactively by protecting its integrity and controlling access to data. 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 logs of data access, modification of master data, sensitive t-codes executions and provides real-time visibility into the security and compliance posture.

*Cost of a Data Breach Report 2020 by Ponemon Institute

With Appsian, it's easy to configure preventative control at the business process, transaction, and field level to support your data security requirements. From a data confidentiality and integrity standpoint, preventive controls are essential because they are proactive and focused on maintaining the quality of your data.

Key Solutions
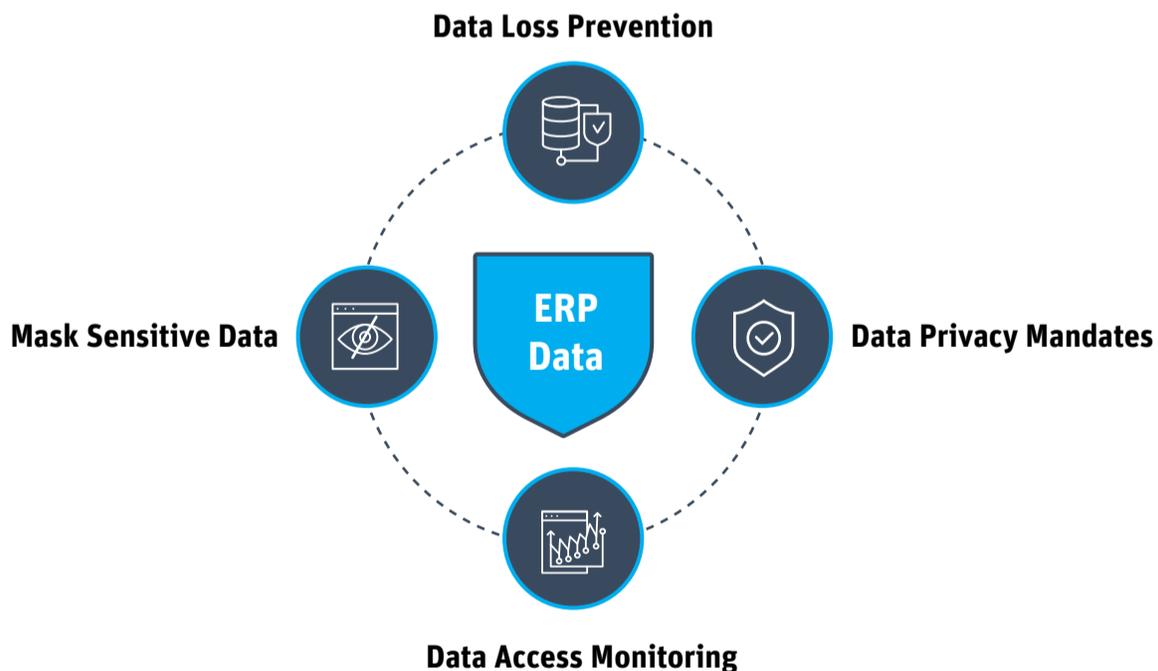
Appsian Data Security Solutions

 ## Mask Sensitive Data

CHALLENGES	SOLUTION
Enterprises rely on data security controls to restrict access to PII and financial data, which can be misused to carry out fraudulent activities. Unfortunately, most data security controls are adequate at the database level. And they fail to protect/limit exposure of sensitive data in the ERP user interface at the field level. In addition, external data security controls are cumbersome to integrate and require ongoing maintenance.	Appsian's data security controls can obfuscate 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 masking that can expose sensitive data after the user has clicked on the masked data or cleared the multi-factor authentication challenge. All such data accesses are logged, and enterprises can get real-time visibility and alerts into sensitive data access.

Data Access Monitoring

CHALLENGES	SOLUTION
Employees and third-party users access sensitive data, modify master data, and execute high value transactions from HQ, remote locations, or public Wi-Fi. Traditional ERPs provide access based on static role-based access controls, making it challenging to differentiate between suspicious and normal user behavior. At the same time, insider threats such as payroll diversion, data snooping, privilege abuse, remote user threats are on the rise. Since traditional ERPs do not collect logs, they lack visibility into user activities, audit trails, and ongoing threats resulting in security blind spots and data breaches.	Appsian's, user activity monitoring provides 360-degree visibility with granularity into the who, when, and where of ERP data access. The solution assigns user access using attribute-based access controls that can provide insights into data access such as user, location, device, time-of-day, data accessed, edited data, etc. In addition, Appsian 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	SOLUTION
Traditionally, ERP logging capabilities have been limited to logging in and out, and there is no tracking of who is accessing PII from when and where. 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, with most user access policies based on static rules, there is a high risk of data exposure and misconfigurations leading to compliance violations.	Appsian provides granular visibility into the who, when, and where of data accesses. 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	SOLUTION
Enterprises are forced to adopt BYOD and remote working to keep pace with the changing business landscape. When remote users access sensitive data from their personal devices, it is critical to regulate that access, or it may result in unnecessary data exposure and data exfiltration. There is also mounting pressure from data privacy mandates to monitor data access across the ERP ecosystem continuously.	Appsian Security protects data and controls access to customer and employee personally identifiable information (PII), financial data, and intellectual property. The solution can mask data even on query and search pages that prevent data download in HTML or Excel format to protect data leakages. In addition, enterprises can get real-time visibility into data access and receive alerts on suspicious activities providing insights into the compliance posture.

According to PwC, the consequence of reactive controls can be ten times more expensive than preventative controls, and only Appsian 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. Appsian 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 Appsian

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

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