

Cyber Security Solution for SAP Data

Manage data access and usage to minimize risk of data breach and improve cyber security



SECURING CRITICAL SAP DATA

Not a day passes without the report of another cyber breach. The causes of a cyber breach range from malicious code and persistent threat, and poor access management. While, the cost of a cyber breach can range from disruption of business, brand damage, and loss of intellectual property.

Just as cyber attacks are increasing, companies are under growing pressure to provide flexible access to their critical SAP data to support agile business collaboration processes and greater mobility. The drive towards consolidating shared services coupled with global deployments only exacerbates the problem. Critical data is now open to a global user base that is accessible through the cloud and through mobile devices.

These challenges and competing requirements impact enterprises across a broad spectrum of industries, including Oil & Gas, Aerospace and Defense, High Tech, Industrial Machinery and Components, Chemical, Energy, and Life Sciences.

SOLUTION HIGHLIGHTS

- Improve cyber security and compliance with information security mandates through fine grained control of data access
- Minimize risk of SAP data loss even as data leaves SAP and the enterprise through policy-based rights management
- Control access, usage and exchange of SAP data with centralized policy management
- Provide a global view of critical data access through centralized logging of authorization decisions
- Works seamlessly with SAP GRC Access Control to provide a complete platform for data protection

NextLabs® and SAP® have teamed to provide a solution that helps global enterprises protect critical SAP data as part of a broader cyber security framework. The solution provides centralized management of information security policies, helps protect data throughout its life cycle inside and outside of SAP, enhances user awareness, improves compliance with regulations and cyber security mandates, and provides a global view of all critical data usage.

THE SOLUTION

The Cyber Security Solution for SAP Data is designed to help companies meet their compliance and cyber security needs as they provide greater mobility and more global access. The solution uses NextLabs Information Risk Management and works with SAP GRC Access Control to enable project teams to:

- [Centrally define and manage information security policies.](#) Work with SAP GRC Access Control to leverage roles, user identity and other attributes such as nationality and location to make fine grained data authorization decisions
- Classify data to ensure appropriate access. Leverage inheritance, and associations to automate classification
- Define and enforce policies to ensure data segregation and manage privileged user access

- Extend SAP authorization to provide attribute-based access control. Control access through SAP GUI, Portal, easy DMS, cFolders and mobile devices
- Define and enforce policies to persistently protect data inside and outside of SAP through rights management
- Improve security awareness of users through context based messages
- Provide audit trail on the usage and access to critical SAP data to facilitate compliance reporting
- Provide centralized audit trail of access for compliance reporting

ENHANCE DATA SECURITY WITH SAP AND NEXTLABS

Improving cyber security requires a holistic approach. Cyber security frameworks such as [the NIST Cyber Security Framework and ISO 27002](#) provide guidance on how to develop a comprehensive cyber security program that addresses how to Identify, Protect, Detect, Respond and Recover from cyber security events.

The NextLabs Cyber Security Solution for SAP Data is an SAP-endorsed business solution and integrates with SAP ERP Core Component (ECC, SAP GRC Access Control and other core SAP modules to protect critical data.

The solution integrates with SAP GRC Access Control to provide a complete platform for data protection. GRC Access Control provides user and role management, while NextLabs extends SAP authorization to provide dynamic authorization to SAP business objects based on user identities, roles, context and other attributes.

The solution can be configured to automatically classify critical SAP data by association or inheritance or based on location of storage. This greatly simplifies the task of data classification and ensures that program data is properly identified for effective access control.

[Persistent classification](#) ensures that data is protected throughout its life cycle, even as it leaves SAP or is sent out of the enterprise.

The solution works seamlessly through the SAP GUI, SAP Portal, easy DMS and mobile applications to enforce data access and sharing policies.

SOLUTION DEPLOYMENT

NextLabs follows a proven method for implementing the solution by utilizing a combination of expert product knowledge and a services best practices methodology. When the NextLabs Cyber Security Solution for SAP Data is deployed, clients will be assisted in identifying and classifying their critical SAP data, as well as in defining access control and data segregation policies.

IMPROVE CYBER SECURITY AND DATA PROTECTION

The NextLabs Cyber Security Solution for SAP Data provides the following benefits:

- Simplifies management by centrally defining information security policies
- Improves data security by controlling access and usage of sensitive data based on fine grained attributes
- Automates information security processes through policy-driven enforcement
- Improves user awareness and training with real time contextual messages for data access
- Enhances compliance through active monitoring of data access across enterprise applications

ABOUT NEXTLABS

NextLabs®, Inc. provides data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, and IBM. For more information on NextLabs, please visit <http://www.nextlabs.com>.