**SAP Solution Brief**
SAP Solution Extensions | SAP Dynamic Authorization Management by NextLabs

# Improve Enterprise Data Security and Compliance with Dynamic Authorizations

THE BEST RUN **SAP**

# Support interaction and trust across your business network

Businesses that support collaboration beyond their boundaries benefit greatly from improved innovation and productivity. But how do you enable your employees and partners to access and share enterprise data without compromising security? How can you **work closely with partners and an extended supplier network** to design and manufacture best-in-class products?

A successful collaboration depends on the ability to share information quickly and easily with third-party companies, working across organizational and geographical boundaries. However, it is vital to balance the need to provide business partners with ready access to enterprise data while safe-guarding valuable intellectual property and sensitive corporate information. In addition, you must meet a number of industry-, country-, or region-specific compliance requirements.

The SAP® Dynamic Authorization Management application by NextLabs helps you achieve this balance, maximizing your existing investment in SAP applications. With SAP Dynamic Authorization Management, you can provide real-time, secure, attribute-based access to enterprise data within your SAP business applications. Sophisticated dynamic authorization logic helps ensure that you automatically adhere to access control policies, and advanced auditing functionality allows you to monitor and document regulatory compliance.

# Secure enterprise data without compromising productivity

Collaboration is key for businesses that want to lead the way in innovation. But if employees and business partners have to wait too long to access the information they need, productivity may suffer and your initiatives may stall.

Traditional role-based access-control solutions require an administrator to update access entitlement information manually on individual user profiles. This can be a cumbersome process prone to error and delay. By contrast, SAP Dynamic Authorization Management incorporates an attribute-based access control (ABAC) model that enables preventive policies to be applied during transaction execution before enterprise data is transmitted.

Additionally, SAP Dynamic Authorization Management features simple policies that can be easily administered by business owners and rapidly applied to all connected systems. You can roll out new access-control policies instantly across your entire user base. This way, you can react rapidly to take advantage of business opportunities even when they involve a new set of compliance requirements.

**Secure enterprise data without compromising productivity**

Enable access control at a granular level – with automation

Cut complexity in access management

Fulfill your compliance obligations effectively

Extensive support of SAP applications

Securing your enterprise data doesn't mean you have to slow down.

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# Enable access control at a granular level – with automation

SAP Dynamic Authorization Management uses ABAC functionality to provide secure access to enterprise data in SAP applications. This means that the software uses contextual information in real time from a number of different sources to determine the entitlements of each user.

When calculating whether to grant access, SAP Dynamic Authorization Management draws on account profile information about the user, including status, history of previous access requests, and the device the individual is using. It also looks at the status of the specific enterprise-data object that the user wishes to access and the activity the individual wants to perform – whether viewing, writing, printing, or sharing documents. In addition, the software takes into account other factors, including the user's nationality and geographical location.

To meet the requirements of your policies for enterprise-data access control, the software also enables you to set up specific actions each time an access request is granted. For example, you can arrange for a message to be displayed on the user's screen, or for a message to be sent to inform a manager that the user has accessed a particular data object.

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# Cut complexity in access management

With SAP Dynamic Authorization Management, you can streamline access-control processes across your organization. You can automatically incorporate business rules and policies that will continuously govern access to your applications and enterprise data based on the real-time state of your users. This saves time and frees up IT personnel to focus on other activities.

By establishing a centralized, integrated authorization management solution, you can apply access-control business rules as well as system-level authorization policies instantly from a single, common console. A single policy can now apply to all connected applications. This helps ensure consistent enterprise-wide management and enforcement of policies. It also helps accelerate the rollout of changes to access-control policies.

In addition, SAP Dynamic Authorization Management offers intuitive graphical interfaces for administration of access-control policies. These enable even non-technical users to manage and track policies throughout their lifecycle.

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Run simpler and reduce costs with an integrated approach to authorization management.

# Fulfill your compliance obligations effectively

SAP Dynamic Authorization Management provides a range of functionality that helps you meet the requirements of tough enterprise data security and nondisclosure legislation such as export controls and the General Data Protection Regulation (GDPR).

The software enables you to establish robust data-segregation rules that comply fully with regulatory mandates. For instance, with SAP Dynamic Authorization Management, you can identify and classify all sources of personal data that the GDPR aims to protect. The software not only supports correct data classification, but it also controls access to that personal data and makes it easier to report accurately on the status of data objects.

Advanced auditing tools enable you to track and report on access requests for sensitive enterprise data within SAP business applications. You can also run an audit on how critical data is used – whether the user views the data on the screen, prints it out, or forwards it via e-mail, for example.

By logging all access to enterprise data in SAP applications through a single, centralized solution, you improve the efficiency of your reporting processes. This not only reduces risk of noncompliance, but it also helps you cut costs associated with lengthy audit investigations.

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# Extensive support of SAP applications

SAP Dynamic Authorization Management supports the SAP ERP application, SAP S/4HANA® software, and SAP Fiori® apps natively. SAP Dynamic Authorization Management by NextLabs, advanced edition, extends the application's functionality deeper into a broad range of additional applications, such as the SAP Advanced Planning and Optimization component, SAP Business Warehouse application, SAP Customer Relationship Management application, SAP ERP Human Capital Management solution, SAP Product Lifecycle Management application

(including the SAP Easy Document Management application and SAP Engineering Control Center integration tool), and the Collaboration Folders application.

As a result, you can reduce the cost of administration through centralized authorization management and auditing across multiple SAP applications. Moreover, you can streamline compliance management by automating and correlating access activities across multiple SAP applications.

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# Make sure the right people get the right data when they need it

With SAP Dynamic Authorization Management, you can automate access-control processes to simplify and speed up authorization management. As a result, you can provide both your employees and your business partners with fast and easy access to critical enterprise data. This streamlines collaboration and fosters co-innovation across your business.

Intuitive, centralized control tools enable you to establish authorization rules across your entire business network, improving the consistency of these processes. In addition, the software helps you reduce the time it takes to implement new access-control policies or update existing ones. This dramatically reduces administration costs and frees up IT resources.

Automated content classification and tagging, as well as sophisticated attribute-based authorization processing, support compliance with even the most complex access-control policies. Combined with real-time preventive segregation of duties and data-centric security controls, the software helps prevent sensitive enterprise data from falling into the wrong hands and minimizes the risk of noncompliance penalties such as fines. Meanwhile, advanced reporting tools allow you to report on access-control processes efficiently, accurately, and quickly.

**Make sure the right people get the right data when they need it**

## Summary

With the SAP® Dynamic Authorization Management application by NextLabs, you can provide secure access to sensitive data across your business network, whether that data is attached to a transaction or a business communication. The software enables employees and external partners to share critical information, encouraging collaboration and co-innovation and boosting productivity. You can streamline data-access processes and comply with regulations for access control.

## Objectives

- Control and secure access to critical enterprise data
- Enable the global sharing of information necessary for designing best-in-class products
- Safeguard vital corporate intellectual property while meeting regulatory requirements

## Solution

- Granular, attribute-based access control (nationality, cost center, location, device)
- Centralized authorization and data security policy management
- Virtual data segregation with view and field-level data security controls
- Automated classification and tagging of sensitive data
- Alerts and reports on access to critical data in SAP applications

## Benefits

- Enable secure collaboration across the business
- Enhance compliance by enforcing data access and sharing policies
- Apply consistent authorization policies across SAP applications
- Simplify compliance reporting

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