

## PROTECT INFORMATION AND PREVENT FRAUD

### CONTROL ACCESS AND AUTHORIZATIONS ACROSS YOUR ENTERPRISE

Companies are struggling to protect themselves from fraud and to fulfill compliance with internal policies and regulatory mandates. The results are often inefficient processes and rising costs, especially when companies try to prevent fraud and chase compliance by using a fragmented approach that includes manual activities, point solutions, or disparate technologies. Fragmentation makes it impossible to deal effectively with the thousands of access rights-related rules and interdependencies that occur in business processes and IT systems. It also increases the cost and complexity of managing controls to ensure compliance, and it reduces transparency.

SAP can help you protect information and prevent fraud with software that automates the process of analyzing and comparing these rules, detects potential risks, and gives your IT and management teams the information they need to make decisions that ensure compliance. The SAP® BusinessObjects™ Access Control application creates an efficient, automated control environment that lets you manage segregation of duties in SAP and non-SAP environments and reduce access control management costs from implementation and operations.

#### End-to-End Compliance Automation

SAP BusinessObjects Access Control enables end-to-end automation to efficiently protect information and prevent fraud. This is accomplished by detecting, mitigating, remedying,

and preventing access and authorization violations; creating efficient compliance management; and providing real-time oversight and predictability.

By deploying the application as part of a unified strategy, your company can address regulatory and business-related access risks at a lower cost. And while your competition suffers the adverse effects of redundant, inconsistent processes, you will be able to focus on your business while the application works efficiently to help you achieve and sustain compliance.

#### Managing Compliance

More than 1,100 companies worldwide have chosen SAP BusinessObjects Access Control to manage their process for compliant access and authorization control. The application addresses the areas of access risk analysis and remediation, enterprise role management, privileged user access management, and compliant user provisioning (see Figure 1).

#### Access Risk Analysis and Remediation

SAP BusinessObjects Access Control supports real-time compliance around the clock and prevents security and controls violations. Upon implementation, you can:

- **Analyze live data** – Use live data to assess access risk rather than rely on data downloads from disparate applications. This way, you can identify conflicts immediately, drill down into root causes, and achieve resolutions swiftly.

The SAP® BusinessObjects™ Access Control application enables efficient protection of information and prevention of fraud by controlling access and authorizations across the enterprise. The application enforces segregation of duties across applications and prevents improper access to IT systems.



- Find hidden issues in real time** – Uncover potential regulatory violations that might otherwise go undetected until an audit. Address hidden user access issues in real time before they impact the business, and help ensure the effectiveness of access and authorization controls at any time, across any system.
- Ensure segregation of duties** – Increase efficiency by leveraging the most comprehensive database of SoD rules available for applications from SAP, Oracle Corporation, PeopleSoft, and JD Edwards. On top of this, SAP BusinessObjects Access Control allows non-IT security experts to build custom rules using common language for risk and compliance (see Figure 2).
- Manage risk across the enterprise** – Stop deploying different compliance software for each business function or enterprise application. Instead, take full advantage of an application

that is cross-enterprise ready and comes with an out-of-the-box rules library to address core processes.

SAP BusinessObjects Access Control addresses SoD issues and detects, removes, and prevents access and authorization risks across two dimensions: breadth of business processes covered and depth of integration with enterprise, legacy, and custom software applications.

#### Enterprise Role Management

SAP BusinessObjects Access Control addresses the root cause of access control problems through standardized and centralized role design, testing, and maintenance. It helps you eliminate manual errors and makes it easier to enforce best practices. The application puts role ownership in the hands of business process owners rather than IT staff. It allows technical experts as well as business process owners to docu-

ment role definitions, perform automated risk assessments, track changes, and conduct maintenance with ease, which lowers IT costs.

#### Define Auditable Roles

Role owners can define which actions and permissions make up each role, trigger approval workflows, document role status, and keep change histories, eliminating the need for manual tracking. A mass import function enables existing customers with large, manually built role sets to ramp up quickly. Business process owners can redesign roles by viewing all the roles in which a particular transaction is used or by comparing role definitions to the way those roles are used in SAP applications. Before roles are placed into production, a risk analysis and remediation function scans for and then flags SoD violations.

#### Create Roles Automatically

Once business process owners have defined roles, they can create them quickly by leveraging profile-generating functions that eliminate the need to merge data. To ensure role integrity, SAP BusinessObjects Access Control enables process owners to compare role definitions to the contents of SAP applications and capture the historical reporting and analysis needed to satisfy auditors.

#### Privileged User Access Management

How can you give users privileged emergency access to enterprise systems without committing regulatory violations?

Minimal Time to Compliance	Continuous Access Management			Effective Management Oversight and Audit
<b>Get Clean</b>	<b>Stay Clean</b>			<b>Stay in Control</b>
<b>Risk Analysis and Remediation</b> Ensure rapid, cost-effective, and comprehensive initial cleanup	<b>Enterprise Role Management</b> Enforce SoD compliance at design time	<b>Compliant User Provisioning</b> Prevent SoD violations at runtime	<b>Superuser Privilege Management</b> Close # 1 audit issue with temporary emergency access	<b>Periodic Access Review and Audit</b> Focus on remaining challenges during recurring audits
Risk analysis, remediation, and prevention services				
Cross-enterprise library of best-practice SoD rules				

Figure 1: Establishing End-to-End Compliance via SAP® BusinessObjects™ Access Control

- **Provide fast, secure superuser logons** – In emergencies, SAP BusinessObjects Access Control lets users perform activities outside their role under superuser privileges in a controlled, auditable environment using a temporary ID.
- **Provide complete audit trail and activity tracking** – The application tracks, monitors, and logs every activity a user performs with a privileged superuser ID down to the field value level. Comprehensive Web-based reporting provides business process owners and auditors with detailed multisystem usage reports.

#### Compliant User Provisioning

Job functions change frequently and employees transition into new roles or inherit new responsibilities, but companies often overlook how these changes impact SoD requirements. By incorporating control activities into everyday business processes, companies avoid after-the-fact violation detection. SAP BusinessObjects Access Control creates visibility and enables fully compliant user provisioning throughout the employee life cycle, and prevents new SoD violations. It lets you:

- **Streamline access requests** – An intuitive, self-service Web interface makes it easy for users to manage access via context-based role selection. Each request is automatically filled with user identity information from a Lightweight Directory Access Protocol or human resources database, eliminating the need for manual key-in.
- **Leverage dynamic routing for approval** – You can handle even the most complex approval processes. Based on the user’s functional re-

sponsibility and the type of access requested, the internal workflow engine automatically determines the appropriate routing for approval, including escalations. Approvers are notified of new requests via e-mail.

- **Provide compliant provisioning across the enterprise** – Real-time simulation across business processes identifies SoD issues before the actual provisioning step and precludes the possibility of introducing new access and authorizations risks.
- **Reduce the burden on IT staff** – By providing descriptive text rather than technical terms, business process owners can define user access with minimal to no involvement from IT staff, and the password self-service feature can reduce help-desk call volumes up to 50%.

#### Take Control of Access and Authorization Risk

SAP BusinessObjects Access Control is one of the most comprehensive applications in the industry for managing and preventing user access and authorization risk. It offers a high level of automation and a best-in-class SoD rules database. It also integrates with virtually any identity management solution that supports Service Provisioning Markup Language 1.0 (SPML 1.0) Web services and provides out-of-the-box support for identity management solutions from SAP, Sun Microsystems Inc., IBM Corporation, CA Inc., and Novell Inc. This allows you to leverage existing centralized user management systems and establish cross-enterprise compliance.

SAP® BusinessObjects™ Access Control Application Works Across Enterprise Solutions			
SAP	Oracle Corporation	PeopleSoft	JD Edwards
<ul style="list-style-type: none"> <li>■ HR and payroll</li> <li>■ Procure to pay</li> <li>■ Order to cash</li> <li>■ Finance               <ul style="list-style-type: none"> <li>– General accounting</li> <li>– Project systems</li> <li>– Fixed assets</li> </ul> </li> <li>■ Basis, security, and system administration</li> <li>■ Materials management</li> <li>■ Advanced planning and optimization</li> <li>■ Supplier relationship management</li> <li>■ Customer relationship management</li> <li>■ Consolidations</li> </ul>	<ul style="list-style-type: none"> <li>■ HR and payroll</li> <li>■ Procure to pay</li> <li>■ Order to cash</li> <li>■ Finance               <ul style="list-style-type: none"> <li>– General accounting</li> <li>– Project systems</li> <li>– Fixed assets</li> </ul> </li> <li>■ System administration</li> <li>■ Materials management</li> <li>■ Supplier relationship management</li> </ul>	<ul style="list-style-type: none"> <li>■ HR</li> <li>■ Procure to pay</li> <li>■ Order to cash</li> <li>■ Finance               <ul style="list-style-type: none"> <li>– General accounting</li> <li>– Fixed assets</li> </ul> </li> <li>■ System administration</li> </ul>	<ul style="list-style-type: none"> <li>■ HR and payroll</li> <li>■ Procure to pay</li> <li>■ Order to cash</li> <li>■ Finance               <ul style="list-style-type: none"> <li>– General accounting</li> </ul> </li> <li>■ Consolidations</li> </ul>

Figure 2: A Cross-Enterprise Solution

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## Summary

The SAP® BusinessObjects™ Access Control application, one of the key SAP BusinessObjects governance, risk, and compliance solutions, provides end-to-end automation for detecting, remedying, mitigating, and preventing access and authorization risk across your enterprise. This results in proper segregation of duties (SoD), lower costs, reduced risk, and better business performance.

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## Business Challenges

- Prevent improper access rather than react to violations
  - Provide proof and reliability for controls effectiveness
  - Eliminate the disparate, manual activities and fragmented technologies that increase the cost and complexity of governance, risk, and compliance management
  - Dramatically reduce time-consuming and costly processes to define the proper rule sets that ensure compliance
  - Create visibility across business processes and IT systems
  - Promote IT and business collaboration for compliant system access
  - Get extended system access in emergency situations without violating any regulations
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## Key Features

- **Cleanup process** – Ensure a rapid, cost-effective, and comprehensive initial cleanup of SoD violations
  - **Continuous access management** – Ensure you stay clean via centralized enterprise role management, compliant user provisioning, and superuser privilege management processes
  - **Effective management oversight and audit** – Ensure that you stay in control and have complete audit documentation via a periodic access review and audit
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## Business Benefits

- Minimize time to compliance with an out-of-the-box SoD rules database
  - Protect information and prevent fraud by enforcing SoD rules across applications and departments in real time and preventing improper access
  - Optimize operations by automating SoD management and enforcing accountability with automated review and approval processes
  - Minimize cost of compliance by managing by exception and providing proof and reliability with control tests and complete audit trails
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## For More Information

Call your SAP representative or visit us online at [www.sap.com/sapbusinessobjects/access\\_control](http://www.sap.com/sapbusinessobjects/access_control).

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