

ARO: Analyze, Re-design, Optimize Security for SAP® ERP Systems

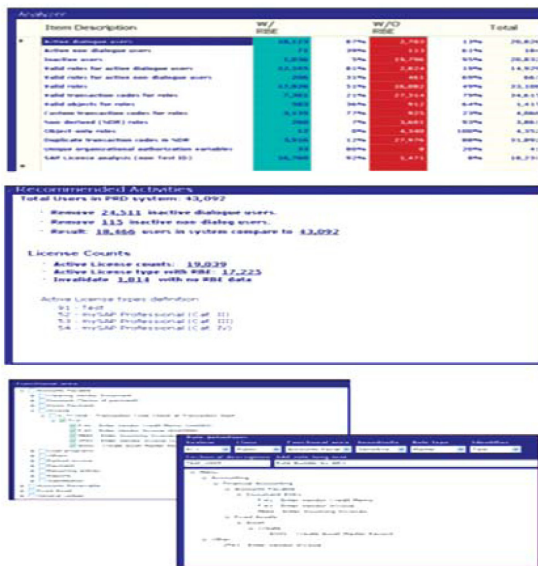
Reduce your time and effort to Redesign



When companies go live with SAP, the security role design is one based on business processes; which in turn creates roles that are task based, job based, reporting based and organizational value based. This looks like a sound approach that will stand the test of time. However, over time the original strategy to create these roles gets lost in a myriad of

requests, organizational changes, customization, one off requests. It's only a matter of time when the original design is no longer applicable or useful.

The security design is lost. It is now a monster to manage. In turn, the security team can no longer follow patterns. Users are given access that is not applicable, roles exist with no assignments, and transactions are no longer valid. The security team is always putting out fires, and the cost of maintaining SAP security roles and SAP users becomes higher and even more complex.



Does this sound familiar? If so, your organization is not unique. This scenario is a well known one across SAP clients – irrespective of industry, size, geography or version. Infosys can help you regain control of your SAP Security environment. How, you may ask?

The traditional approach requires lots of analysis, time and money. Infosys takes the smarter approach by leveraging its proprietary tool to Analyze, Redesign, Optimize SAP Security Roles – the ARO Tool. The ARO tool by Infosys significantly accelerates the timeline, improves quality with minimal effort to redesign your security roles – be it 2000 roles of 200,000 roles, to optimize and to build with a method.

This methodology is based on the fundamentals of good role design:

- Standard methodology (policy) to deal with SAP Security such as business ownership, responsibility, administrative and user guidelines.
- Addressing SoX controls (or risk) up front.
- Standard role methodology to address future growth
- Solutions that are easy to audit and manage (automation of standard reporting and user management)

The ARO tool provides three main functions:

Analyzer

- Analyzes all data based on system usage
- Provides clear visualization of system status
- Provides detailed reporting on all frequencies

Optimizer

- Identifies transactions with no activity
- Distinguishes between active and inactive roles
- Identifies users that are active in the tool
- Identifies SAP Licences that are not utilized

Role Builder

- Allows step wise build process based on data classification
- Builds roles based on business process and SAP or functional menu
- SOD/SBP compliant
- Supports SAP role Download compatibility

The ARO Tool by Infosys is not for sale, Infosys sells a service that incorporates the tool into its SAP Role Redesign Methodology.

The ARO by Infosys tool is part of the Enterprise Risk Management Service (ERMS) which incorporates Governance, Risk and Compliance (GRC) services. GRC Services are focused on “Efficient Compliance” by focusing on Standardization of Process, Optimization of Controls, and Automation of Controls while “Off shoring” the cost of continuous compliance.

Infosys Security Role Re-Design Strategy

Infosys has developed a unique four phased approach to ensure compliant role re-design strategy. Following high-level approach

highlights the activities involved in the Security Role Re-Design Strategy:

Preparation <ul style="list-style-type: none"> Project Team Set up Project processes, Standards & Guidelines for Role Naming, Ownership, approval strategy, etc Access to the Team members Educate Role Owners on role re-creation concepts 	Analyze <ul style="list-style-type: none"> RBE analysis to analyze current Role & Security usage Analysis of existing SOD violations rule-set (Approva) Validate existing master roles & single roles that can be re-created Modify the SOD rule-set in Approva Create Final Role Design templates and signoffs from Role Owners 	Realization <ul style="list-style-type: none"> Create Master Roles, Single Roles & Derived Roles SOD analysis at role level Remediate SOD violations after discussions with BH SOX / IA Team Assign roles to users SOD analysis at user level Remediate SOD violations at user level Unit Testing 	Go-Live <ul style="list-style-type: none"> User Acceptance Testing Design User Role Provisioning process Cut-over and Go-Live Support Production Security
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Clients who leveraged Infosys's expertise in Security Design and ARO

Client	Solution Provided	Benefits
Large US Based Oil and Natural Gas Services Corporation	<p>Infosys used two insights of Approva Bizrights for SAP Administration work :</p> <ul style="list-style-type: none"> Authorization Insight - By implementing Authorization Insights the client was able to address access violations (SOD) on a continuous monitoring basis Access Management Insight – (1) Workflow capabilities. (2) What if Analysis. <p>Infosys also assisted in transitioning the process, followed by process stabilization.</p>	<ul style="list-style-type: none"> Reduced time in resolving issues Workflow capabilities automated approval processes, created audit trail of the activity, automated new user requests and role changes within SAP were analyzed for SOD violations By using the “What-If Analysis” feature, the security team was able to see whether there are any conflicts if the role is assigned. This was done prior to the roles being assigned.
Leading Global Developer, Manufacturer & Marketer of highly engineered specialty chemicals	<p>Infosys assisted client in re-designing the internal control structure, with emphasis on standardization, automation and optimization of controls, due to new SAP implementation for SOX Compliance. Infosys ensured that IT process followed during SAP implementation had controls as per SOX.</p> <p>Infosys also assisted client to re-design and implement security roles using RBE analysis to optimize transactional usage with an aim to minimize cost, time and risk. Infosys ARO tool helped create new roles by analyzing transaction logs, user activity and configuration data. The tool helped analyze business configuration and usage of SAP systems.</p>	<ul style="list-style-type: none"> Incorporation of controls in the business processes resulting in removal of control gaps Automated Controls Standardized and Optimized control structure Infosys ARO tool helped identify mistakes, opportunities for optimization, needs for re-training Infosys ARO tool provided significant statistics about frequency of usage of transactions, reports used and list of roles using the same Infosys ARO tool and Security Weaver together helped discover areas for improvement.

Analyst Speak

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“Infosys is one of the top India-based consultancies in the SAP space. Its strategy and consulting services continue to grow, making it able to compete and win business against the largest multinational providers. Infosys has strong vertical expertise particularly across manufacturing, life sciences, CPG, and utilities. Infosys offers many compelling pricing and delivery models across implementation as well as ongoing support and maintenance of SAP.” Source: The Forrester Wave™: SAP Implementation Providers, Q3 2009 by Liz Herbert, August 10, 2009, Forrester Research Inc.

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For more information, contact askus@infosys.com

About Infosys

Many of the world's most successful organizations rely on Infosys to deliver measurable business value. Infosys provides business consulting, technology, engineering and outsourcing services to help clients in over 30 countries build tomorrow's enterprise.

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