SAP Security Services

The regulatory and compliance landscape of today requires companies to ensure critical business applications such as SAP are properly secured and adhere to stringent guidelines related to privacy and regulatory requirements. In addition, businesses must have proper segregation of duties to avoid fraud, and limited access to critical system transactions to avoid operational interruptions.

Within any SAP environment the challenge of meeting these and other rigorous standards is compounded by the complex SAP Security model as well as the constant changes brought on by a dynamic thriving business.

SAP Role Design Review and Redesign

1. SAP Role Design Review

Winterhawk’s SAP Security Services target customers that know there are problems with their current SAP Role Design, but are unsure of the best approach to resolve them. We identify the specific issues in the current design, prioritise each based on the level of risk and create a road map for resolution.

Our review service is designed to evaluate a customer’s existing SAP Role Design and provide actionable recommendations for the customer to address the findings from our review. Specifically, we identify issues with:

- Assignment of sensitive business transactions
- Assignment of sensitive system administration transactions
- Assignment of sensitive authorisation objects
- Manual insertion of authorisation object S_TCODE for transaction access
- Quality of the design based on a user’s usage compared to a user’s access

- Adequacy of naming conventions
- Assignment of organisational access
- Usage of manual authorisation changes in Roles
- Table USOBT_C maintenance through transaction code SU24
- Direct role or profile assignments to end users
- Unassigned roles in Production
- Create and/or change activities assigned in display only roles

2. SAP Security Role Redesign

Identification of issues may begin with an audit, the implementation of compliance software such as SAP GRC, the discovery of fraudulent activities or even a major system outage due to inappropriate privileged access. Whatever the reason, we are here to work with you.

For role redesigns our team can quickly determine the most effective and efficient approach to fixing the existing Role Design.
3. Winterhawk Toolkits

**Customisable Project Related**

- Project Plan - SAP New Role Design
- Project Plan - SAP Role Redesign and/or Remediation
- Project Plan - SAP GRC Implementation
- Project Plan - SAP GRC Upgrade
- Project Charters
- Project Risk Assessments / RAID Logs
- Project Communication Plans

**Technical Accelerators**

- Requirements Analysis
- Blueprinting Accelerator
- SAP Role Design Review Database
- SAP Role User & Job Mapping Database
- Functional & Technical Design Specifications

**Best Practice Accelerators**

- System Parameters & Client Settings
- Sensitive Transactions / Single Sided Risks
- SAP Role Design
- SAP Security Principles and Standards
- Exceptions Reporting
- Compliance Monitoring

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**Case Study Extract**

SAP Role Redesign Project across Europe with large Global Beverage Organisation.

**Situation**

In early Q3 2014, an Audit raised significant concerns over Segregation of Duties, Sensitive Access, Role Mapping of User Entitlements and a lack of Standards and Policies across the SAP Security landscape. Auditors gave 90 days to reduce issues.

**Approach**

Winterhawk leveraged experienced resources with access to proven accelerators and industry best practices to execute a project plan that enabled a rapid replacement of old roles to new task based roles.

This was accomplished by re-mapping users based on transactions they used rather than the transactions they had assigned. The re-mapping of users and embedding of new standards was successfully completed across multiple countries.

**Impact and Advantage**

The use of Winterhawk’s databases allowed large amounts of data to be quickly analysed and summarised, leading to faster delivery to the business. The project successfully met deadlines and resulted in the remediation of the audit deficiency: work completed with little or no interruption to users, and new standards and policies were successfully implemented.
SAP Security Build
Companies frequently require external assistance for initial SAP implementations, addressing issues with an existing inadequate security design, or with remediating risks identified by auditors. In order to address these requirements, Winterhawk developed service lines to specifically address these common issues.

SAP Security New Role Design
Our SAP Security Role Design services target SAP customers:
- Implementing SAP for the first time
- Integrating an acquisition onto SAP
- Rolling out new business functionality
- Incorporating new organisations or territories onto SAP.

Winterhawk resources have significant experience with SAP Role Designs for new SAP implementations. For new designs we follow a structured methodology, accelerating project timelines by leveraging the SAP Security Role Design components of the Winterhawk Tool Set.

Our pre-configured SAP Role Design was developed to achieve the following objectives:
- Significantly reduce the level of effort in the blueprinting phase,
- Significantly reduce the level of effort in the testing phase,
- Provide a logical naming convention to reduce the complexity of user provisioning,
- Built-in compliance for Segregation of Duties,
- Well structured, consistent and logical design providing the foundation to simplify maintenance over the life of the design,
- Reusable model to make it easy to integrate future acquisition or business units, and
- Consideration of risk when defining roles.

SAP Security Role Designs

Winterhawk Services
SAP Security & Role Design Services
- SAP Role Design Review
- SAP Security Role Design
- SAP Security Role Re-Design
- SAP SoD Remediation

SAP Audit Services
- SAP Pre-Implementation Review
- SAP Application Control Assessment, Design & Testing
- SAP General Computer Control Review & Testing
- SAP Security Audit
- SAP Audit Outsourcing/Co-Sourcing.
- Control Rationalisation.
- Control Optimisation.

SAP GRC Services
- SAP GRC Planning and Preparation
- SAP GRC Implementations
- SAP GRC Enhancements and Optimisation
- SAP GRC Upgrades
- SAP GRC Post Implementation Managed Services
- SAP GRC Independent Verification and Validation

Map Business Processes to SAP Security Authorisation