Arbela Auditing & Security Manager V4.2
Data Sheet

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Arbela Auditing & Security Manager for Dynamics AX 2012 V4.2 (ASM) is designed to address the Standard AX 2012 auditing and security challenges. ASM is very easy to use and end users can be trained with as little as four hours—a unique capability of ASM.

ASM's main capabilities include:

Visualization of security settings on Dynamics AX user interface – for faster analysis and modification.

- **Security view on the AX menu.** View security settings of Roles, Duties and Privileges at menu levels and within forms.

- **Licensing visualization.** View security while understanding the implications with regard to Licensing.

- **ASM security roles.** ASM includes special security roles for viewing the security settings – a secure way to enable some super users and auditors to review role and user access.

- **Security testing.** ASM enables users to view and test security settings in AX by auto-launching the desired role with a test user.

Modifications of security settings using standard AX user interface and best practices – for more accurate security modification.

- **Security modification on the AX menu.** Create, copy and/or modify security settings visually at the menu level or inside AX forms. Ability to drag and drop the duties and/or privileges into the selected Role from a complete list of duties and privileges available in AX.

- **Ensure best practices.** Change security setting using the exclusive ASM Wizard ensuring the best practices simplifying changes and reducing impact to other roles.

- **Graphical user interface for security management.** Accomplish security changes outside of the Application Object Tree (AOT) and prevent mistakes made through traditional methods.

Segregation of Duties (SoD) identification and risk prevention capability within Dynamics AX for faster violation detection and better prevention – lowering risk and cost for compliance and auditing.

- **Enhanced SoD rule creation.** SoD rules are created by identifying conflicting business functions that should not be accessed by users and/or roles without approval. These rules can be imported or exported, organized by categories and risk level, and run periodically to identify new violations. The rules proactively capture violations as they occur, during user-role assignment.

- **SoD control at the menu and table levels.** SoD rules can be created from a menu or table by navigating to the securable object, making rule creation accurate and simple.

- **Violation identification and reporting.** Violations can be identified and tracked for auditing purposes. Violations are color-coded based on severity for easy management.

- **Violation resolution.** Violations can be resolved by automatically removing the conflicting access that is causing the violation. A log of the resolution is maintained.

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◢ **Violation approval.** Violations can be approved using standard AX workflow and/or electronic signature. A log of each approval is kept for reporting and auditing purposes.

◢ **SoD violation workflow.** Workflow and electronic signature can be enabled for segregation of duty resolution for both approval and resolution.

◢ **SoD Log file.** A time stamped log file is created and kept up to date for reporting and auditing purposes identifying the violations, resolutions, and approvals.

Data and Access Monitoring. A monitoring feature is available to review access to critical enterprise data. This capability monitors user access as well as changes to data. Data and Access Monitoring identify the users that have access to specified menus and data.

◢ **Easy Monitoring rule creation and management.** Monitoring rules can easily be created by identifying the functions and fields that need to be watched for user access and changes. The rules can be managed easily including rule import and export, as well as categorization by risk levels such as: high, medium, and low.

◢ **Monitor control at the menu and table level.** These rules are created by pointing to the buttons and the fields, using the standard Dynamics AX user interface, making it simple and accurate.

◢ **Tracking and reporting.** Monitoring rules are tracked over time for auditing purposes. Risks are Color coded based on severity with detailed information such as time, user access, roles, etc.

◢ **Monitoring report and log file.** Time-stamped log files and reports are maintained based on the monitoring rules, identifying user access and changes to the data.

Advanced License visualization and analysis to lower Dynamics AX licensing cost by as much as 35%.

◢ **License visualization on the menu items.** View role and user license requirements for securable objects on the menu and forms.

◢ **Advanced licensing reports.** Licensing reports to identify the overall Enterprise and Functional License requirements and the menu items that cause enterprise and Functional License requirements.

ASM includes a set of inquiries and reporting capabilities for auditing and security management. These reports range from roles and user access to tracking and tracing capabilities for auditing and fraud investigation. These reports can be produced using any supported language in AX and can also be exported to excel sheets.

◢ **Security snapshots and comparison.** A snapshot captures the Dynamics AX security settings. This can be run periodically as a batch job or on an ad-hoc basis, providing the ability to compare security settings at different points in time. Differences between snapshots are cumulative for historical audit reporting purposes.

◢ **Role comparison.** It compares roles from the current security setup or from previously saved security snapshots.

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◢ **Security change log Inquiry.** Tracks security changes made by using ASM for auditing or future reference purposes. Tracks User/Role Assignment through AX.

◢ **Roles and permissions Inquiry.** This is an extensive report of all the security objects including Roles, Sub-Roles, Duties and Privileges in Dynamics AX along with the access levels and licensing provided by them.

◢ **Users and Roles Inquiry.** It provides a list of users in Dynamics AX along with additional information including associate role (s), organizations, etc. This inquiry includes details of Active Directory groups.

Security Management Reports - ASM provides extensive reports to cater to the needs of auditing, tracing, verification and management of security.

◢ **Users and Roles report.** It provides information of all users of Dynamics AX along with details like their role(s), ID, status, name, associated organizations, etc.

◢ **Segregation of Duties rules.** It provides a list of Segregation of Duty rules. Additionally, it provides the violations and their resolutions are included.

◢ **Database level security change log.** It tracks all security changes made to Roles, Duties and Privileges along with details of who modified? What was modified? And when? This also serves as Audit logs.

◢ **User change log.** It records any changes made to User role assignment. This report serves the audit purposes.

◢ **Users/Roles/Modules.** It tracks all roles that have access to the said modules and users who have access to these modules through the given roles.

◢ **Company/Roles/Users.** It provides the list of roles and their associated companies and users.

Matrix reports simplify the complex information associated with security settings in Dynamics AX and provides views which includes users, roles, modules, access, and Dynamics AX license type.

◢ Module/Users/Access Report

◢ Module/Roles/Access Report

◢ Roles/Duties/Privileges Report

◢ Roles/Module/Menu/License Type

◢ User/Menu/Modules/License Type

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Special Features

- **Customization.** Works with customizations and 3rd party add-ons.

- **Environment Management.** Easily create AOT projects from ASM itself to record all security modifications as part of one project for tracking purposes. Easily export and import these projects, with security settings content, from one AX environment to the other.

- **Case Management.** Manage security related tickets/cases and attach the completed AOT security projects as part of the case resolution.

- **Microsoft Excel integration.** Ability to export results of inquiries and reports to Excel. Ability to import and export SoD and Monitoring rules.

- **Flexible default settings.** Default settings for new role, duty and privilege creation and their naming conventions.

Performance enhancements features

- The periodic jobs of ASM help access complex security management reports instantly, and prevent collation issues. ASM features can be turned on/off individually to increase security management response time.

Best Practice Security Setup

- Due to the intrinsic complexities with security in AX 2012, Arbela has implemented intelligent wizards that offer best practice guidance when modifying security settings. The wizard always defaults to the best practices, which can be deviated from in special exceptions.

Enterprise Portal Security Setting Support

- ASM interface can be used to modify the access levels of Enterprise Portal web content and web menu items with ease.

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