Introducing SECURITY MIGRATION
Agenda

- Background
- Considerations
- LAUA Security Methodology
- LS9 Security Methodology
- Migration Process
- Our Solution
- Deliverables
- Tips & Tricks
Our Background

Founded by Dan and Brad Kinsey, Kinsey has provided software sales, implementation, support and development for over 30 years.

Lawson reseller and implementation partner since 1997

Lawson Certified Systems Integrator Partner

Lawson Complementary Software Partner

Lawson’s “Go to” Reseller/Implementer for Public Sector

2 time Partner of the Year

Focusing on the development of Lawson complementary software products
CONSIDERATIONS

Most companies know of 2 options...

- build the model from scratch
- use pre-built security templates
CONSIDERATIONS

But how can you be sure that...

- your environment will be secure
- your auditors requirements will be met
- your users will be able to access what they need
- it will be flexible and easy to maintain
CONSIDERATIONS

Have you considered how you will...

- minimize duplicating forms in the model
- include your custom forms
- discover the forms actually required by your users
- discover the form permissions they will need
- minimize reconfiguration efforts
- build a model that will satisfy your auditors
- build a model that will not disrupt your users
- find the time to take on this project
CONSIDERATIONS

Or you could take a different approach...

- Use the information you already have to automatically build an audit compliant model
CONSIDERATIONS

So how do we do it?

- We base the model on actual user activity.
- Use our prebuilt SoD policies to ensure audit compliance.
- Provided reporting to validate that proper access has been granted.
- Continue monitoring user activity, security changes and SoD violations going forward.
LAUA security is a structured Silo model built by creating Security Classes that restrict access to specific System Codes, Forms, Function Codes and Tables. A major restriction of this model is that it fails to provide any ability to share security settings between Security Classes. And since users can only be attached to a single Security Class, a slightly different job requirement requires an entirely new Security Class.
- Full access is provided by default
- Security Classes restrict access to System Codes, Tables, Forms and Function Codes
- Users are attached to a single Security Class
- A slightly different role requires an entirely new Security Class
Lawson has changed the security model to follow a role based structure. In this model Security Classes are created to group a series of forms together to accomplish a specific task. (i.e. AP Setup). These Security Classes (tasks) are then assigned to Roles within the organization (i.e. AP Manager). Security Classes can be shared between multiple roles and users can be assigned to more than one role in the organization.
No User access is provided by default

Security Classes (Tasks) grant specific Form, Function Code and Table access

Objects are shared between Roles and Users

Multiple Roles can be assigned to a User
What are our customers' biggest concerns?

- Accuracy
- Resources
- Cost
- Time

Complementing Lawson Solutions
» Define your organization’s **Roles** (AP Manager, AP Clerk)
» Define a list of operational tasks (AP Invoice Entry, Check Processing)
» Assign form names to each **Task** (over 6500 forms)
» Assign table names to each **Task**
» Determine access **Rules** for each form (**ACDINP+**)
» Build your Task (Security Classes)
» Build your Roles
» Determine which forms each user needs to access for proper class assignments
» Assign your Task (Security Classes) to your Roles
» Assign your Roles to your Users
» Implement form Rules
» Build **conditional logic**
» Perform positive and negative **Testing**
» Define your organization’s **Roles** (AP Manager, AP Clerk)
» Define a list of operational tasks (AP Invoice Entry, Check Processing)
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» Implement form Rules
» Build **conditional logic**
» Perform positive and negative **Testing**
The Challenge

**Identifying** and **Validating** the forms a User needs to access

**Organizing** over 6,500 forms and tables into Security Classes

Properly **restricting** function code access for each form

**Building** conditional rules

**Verifying** User security
Our **3 Step** Approach

1. Analyze & Tune
2. Build & Load
3. Customize, Validate & Deploy

*We’re with you every step of the way*
STEP 1 - TUNE

» Use our **Listener** to find the forms that are being accessed

» Analyze LAUA using our **SOD violation report**

» Identity common access points between Security Classes to **eliminate redundant classes**
Collect data on who, when and how every form was used.
Use the **Listener Pivot tables** to analyze actual usage by Security Class/Form, User/Form, User/System Code, or System Code/Security Class.
The Tokens Not Used report combines LAUA access with user activity.
TOKENS NOT USED
Segregation of Duties (SoD) ensures an appropriate level of checks and balances upon the activities of individuals.
The LAUA Class comparison graph identifies the security classes that may be redundant.
The LAUA Security Report allows you to evaluate specific security class settings and differences. This report includes security settings for forms, tables, conditional logic, data security and user profiles.
Conversion Utility

» Create Security Classes
» Create Roles
» Assign Security Classes to Roles
» Assign Roles to the appropriate Users
» Create LS9 profile using Lawson’s load utilities
Find common form access between Security Classes
Security Class Categories: Setup, Processing, Analysis, Update Batch Job, Purge Batches, Reports, Interfaces, and Miscellaneous.
STEP 3

» Compare and \textit{tune form access rules}

» Evaluate and \textit{create conditional logic}

» \textbf{Validate} User access

» \textbf{Activate} Security 9
The outlier report provides an LS9 Role to LAUA Class function code comparison.
LS9 Structure – add conditional rules

Roles

IC Admin
IC Super
IC Clerk
IC Assist
IC Tables

IC Setup 01
IC10.1
IC10.2
IC11.1
IC11.2
IC11.3
IC11.4
IC11.5
IC11.6
IC12.1
IC12.2
IC15.1
IC20.4
IC20.1
IC08.1
IC01.1
IC01.2
IC07.1
IC06.1

IC Setup 02
IC11.2
IC11.3
IC11.4
IC11.5
IC11.6
IC20.1
IC20.2
IC20.4
IC20.1
IC20.2
IC20.4
IC20.1
IC20.2
IC20.4
IC21.1
IC240
IC241
IC242
IC246
IC246
IC260
IC262
IC260
IC262
IC280
IC280

IC Reports 01
IC200
IC201
IC202

IC Reports 02
IC20.1
IC20.2
IC11.6
IC20.4
IC21.1

IC Setup RO 01
IC11.2
IC11.3
IC11.4
IC11.5

IC Setup RO 02
IC11.1
IC11.2
IC11.3
IC11.4
IC11.5

Inventory
IC TABLES

Conditional Logic
Security Dashboard
Security Dashboard – Security Admin Reports

![Security Dashboard - Lawson Security 9 Reporting](image)

- **Users**
  - User - All Objects
  - User - Group
  - User - Identities
  - User - Role - Task
  - User - Role - Task - Form
  - Roles
  - User Attribute Settings
  - User CheckLS is "NULL"
  - User CheckLS Setting

- **Roles**
  - Role - Task
  - Role - Task - Element Group
  - Role - Task - Form
  - Role - Task - Object
  - Roles Without Tasks
  - Roles Without Users

- **Tasks**
  - Forms Per Task
  - Repeated Forms
  - Repeated Tables
  - Tables Per Task
  - Task - All Objects
  - Task - Element Group
  - Task - Form
  - Task - Table
  - Unassigned Objects
  - Unassigned Tasks

- **Statistics**
  - Role - Task Counts
  - Role - User Counts
  - Structures
  - Structures - Children
  - Structures - Parents
  - Table Statistics
  - User - Group Counts
  - User Attribute Counts
  - User CheckLS Counts

- **Listener**
  - Form Count Summary
  - User - Form Detail
  - User - Form Summary
  - Users Security versus Activity

- **LS9 User 'Check LS' Status**
  - Not Set
  - NO
  - YES

- **Unassigned Objects**
  - Roles
  - Tasks
  - Structured Codes
  - Programs
  - Tables
  - Forms

*Data Last Updated: 6/10/14 00:00*
### Security Dashboard – Security Admin Reports

![Security Dashboard Screenshot]

#### User - Role - Task - Form

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Security Dashboard – Security Reports for Audit Review
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### Security Dashboard – Security Change Reporting

#### Security Change Reporting Table

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<th>Category</th>
<th>Action</th>
<th>Date/Time</th>
<th>User</th>
<th>User Affected</th>
<th>Profile</th>
<th>Role</th>
<th>Security Class</th>
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#### Changes (Production)
- Today
- This Week
- This Month

#### Changes (Test)
- Today
- This Week
- This Month

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**Kinsey & Kinsey**

Version 1.1

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Security Dashboard – Object Comparison

LS9 - Object Comparison

Compare what? Security Roles

Role (a)  Role (b)  Common Objects  Similarity (%)  Absorbed (%)

+ ACBRJobScheduler (1)  + GLAccountant (1)  1  100.0%  100.0%
+ GLAccountant (1)  + ACBRJobScheduler (1)  1  100.0%  100.0%
+ SmartReconAdminRole (94)  + SmartReconRole (90)  90  95.7%  100.0%
+ SmartReconRole (90)  + SmartReconAdminRole (94)  90  95.7%  100.0%
+ HRClerical (560)  + HRGeneralist (764)  557  72.6%  72.9%
+ HRGeneralist (764)  + HRClerical (560)  557  72.6%  99.5%
+ ACDDataEntry (69)  + BRReportingAdministrator (83)  59  63.4%  71.1%
+ BRReportingAdministrator (83)  + ACDDataEntry (69)  59  63.4%  85.5%
+ HRDirector (1332)  + HRGGeneralist (764)  733  53.8%  95.9%
+ HRGGeneralist (764)  + HRDirector (1332)  733  53.8%  55.0%
+ ACAccountant (467)  + ACExpert (405)  282  47.8%  60.4%
+ ACExpert (405)  + ACAccountant (467)  282  47.8%  69.6%
+ EmployeeRole (715)  + ManagerRole (376)  348  46.8%  92.6%
+ ManagerRole (376)  + EmployeeRole (715)  348  46.8%  48.7%
+ HRClerical (560)  + HRDirector (1332)  557  41.7%  41.8%

Records: 1,026  Data Last Updated: 6/9/14 00:00
Segregation of Duties ensures an appropriate level of checks and balances upon the activities of individuals.
Standard templates for ESS, MSS, and RQC are delivered with SMP.
SERVICES

» Security Overview and Kickoff
» Software Installation
» Technical Support
» Kinsey Project Manager
» Report Training
» Creation of Security Classes and Roles
» Security Class and Rule Analysis
» Assist with Data Element Security
» Assist with Conditional Logic
» Proof of Concept Workshop
» Security Testing
» Security Training
» Go Live Support
» Listener (Activity Monitor)
» Security Builder
» Segregation of Duties Reporting
» Security Dashboard
» Implementation Project Plan
» Project Status Reports
» Client Security Assessment Guide
» Productive Preparation Practices Document
» Security Setup Documentation
» Testing Process Documentation
» SMP Technical Documentation
» SMP User Documentation
» Testing Strategy
» Troubleshooting Checklist
» How Single Sign-on Works Document
» Listener Pivot Tables
» LAUA Audit Reports
» Outlier Report
» SOD Violation Report
HIGHLIGHTS

✓ Takes advantage of the **knowledge** already put into LAUA security
✓ Utilizes **actual form usage** to fine tune security settings
✓ **Re-engineers** LAUA to automatically build your LS9 security model
✓ Includes all **Custom Forms** created in your system
✓ Leverages **Lawson’s utilities** for building LDAP
✓ Takes **significantly less time** than other methods
✓ Requires **less of your resources**
✓ It’s built around **your business practices**
Compliant, Secure, Flexible
We can help

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