Nov. 17, 2021

Radically Efficient: Wipeout your Security Obstacles

About

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Advisory Practice

Integrating your ERP with emerging technologies to impact business goals.

Managed services

Extending your internal capabilities with first-rate response times.

Cloud services

Meeting demands for data accessibility with a seamless interface.

Consulting services

Applying expertise and best practices to maximize results.

About

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Sherri Conrardy
ALLOut Security,
Solutions Director

Brian Connor
ERP Suites,

Director JDE Security
& Cyber Security
Architect

About

Our mission is to deliver simple security, streamlined processes and auditable reporting.

- ✓ Enhanced Risk Visibility with Reporting
- ✓ Best Practice & Out-of-the-Box SoD, Roles and Menus
- ✓ Speed-Up Security Maintenance
- ✓ Automated Multiple Role Conflict Resolution
- ✓ Achieve Compliance with Change Control & Preventive SoD
- ✓ Expedite Security & Compliance Projects

Market Leading
Software

Best Practice
Education

Global Partner
Network

*"…we believe in providing **cost-effective solutions** to simply **secure and protect** organizations against emerging risks."*

Easy to Install in your Environment

Our software requires no project and can be easily installed, directly in your JD Edwards environment.

Developed for Native JDE

Put resources into an already existing investment, with no need to re-train your security team or utilise 3rd party reporting tools.

Low Upfront Investment

We're known for our industry leading best-practices and expertise in all things JDE.

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Agenda

- Common Security Obstacles

- Tips to improve efficiency

- Hidden cost of security obstacles

- Putting it all together

Obstacles, Efficiency, & Costs
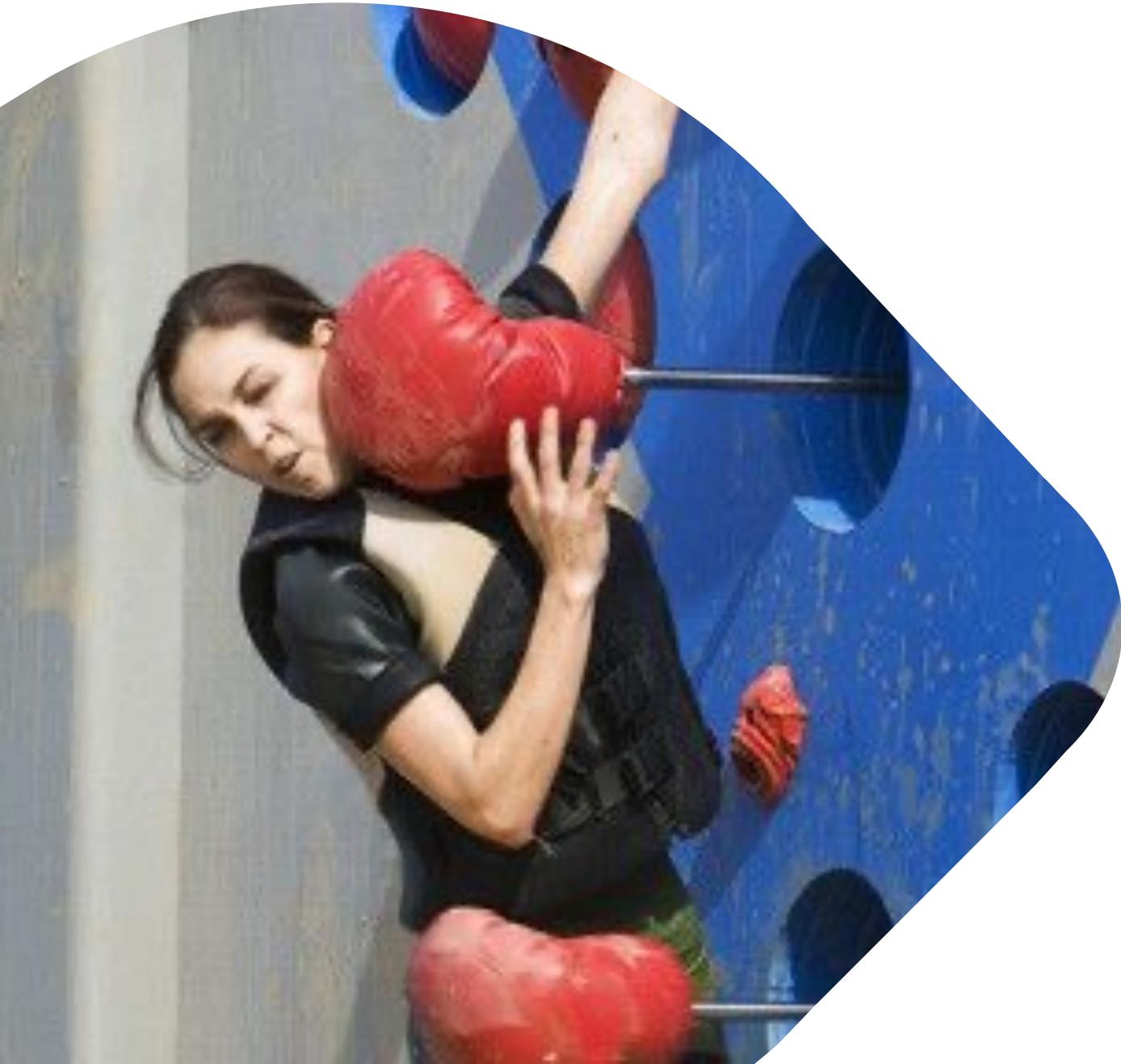
Role Conflict Obstacles

- **Users log in and out of JDE to get the correct security applied to do their job**
- **I was able to do it yesterday, but it's not working today**

Understanding JDE Security Hierarchy

1 **User**
From Version-Form-Program Version-Program-*ALL Programs

2 **Role- Multiple Roles Sequence #** **(highest # Wins)**
From Version-Form-Program Version-Program-*ALL Programs

3 *** Public**
From Version-Form-Program Version-Program-*ALL Programs

The first record found it STOPS and that is what is used

1 User Level

2 Role Sequence #20

2 Role Sequence #10
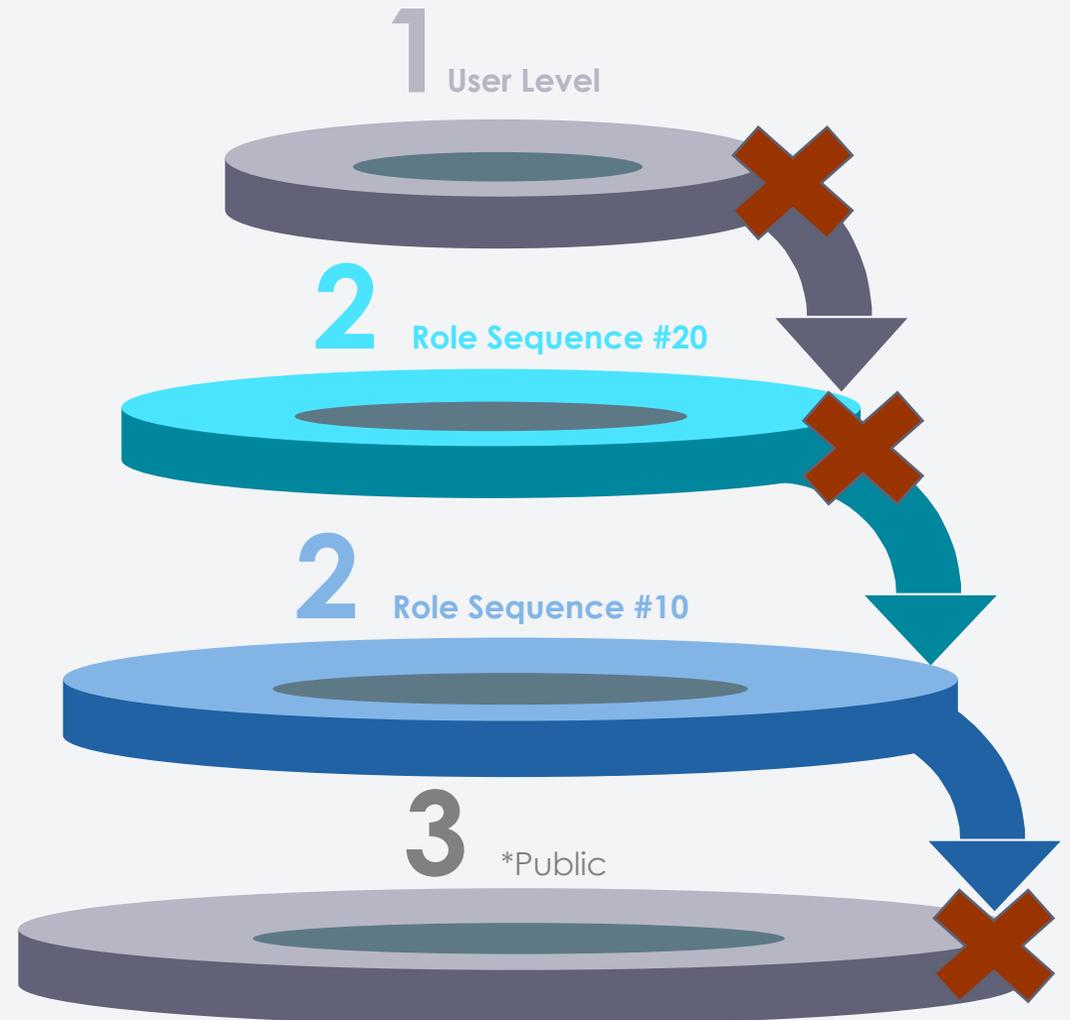
3 *Public

Role
Conflict
Efficiency

- **Leverage *PUBLIC**

- **Group roles logically**

- **AOS Combi-Roles**

Role Conflict Costs

- **With a modest user count of 150, and logging in and out only Twice to resolve security conflicts, the cost is $38,942**

- **If users have to log out and in 3 times over the course of the day, the annual cost rises to $58,413!**
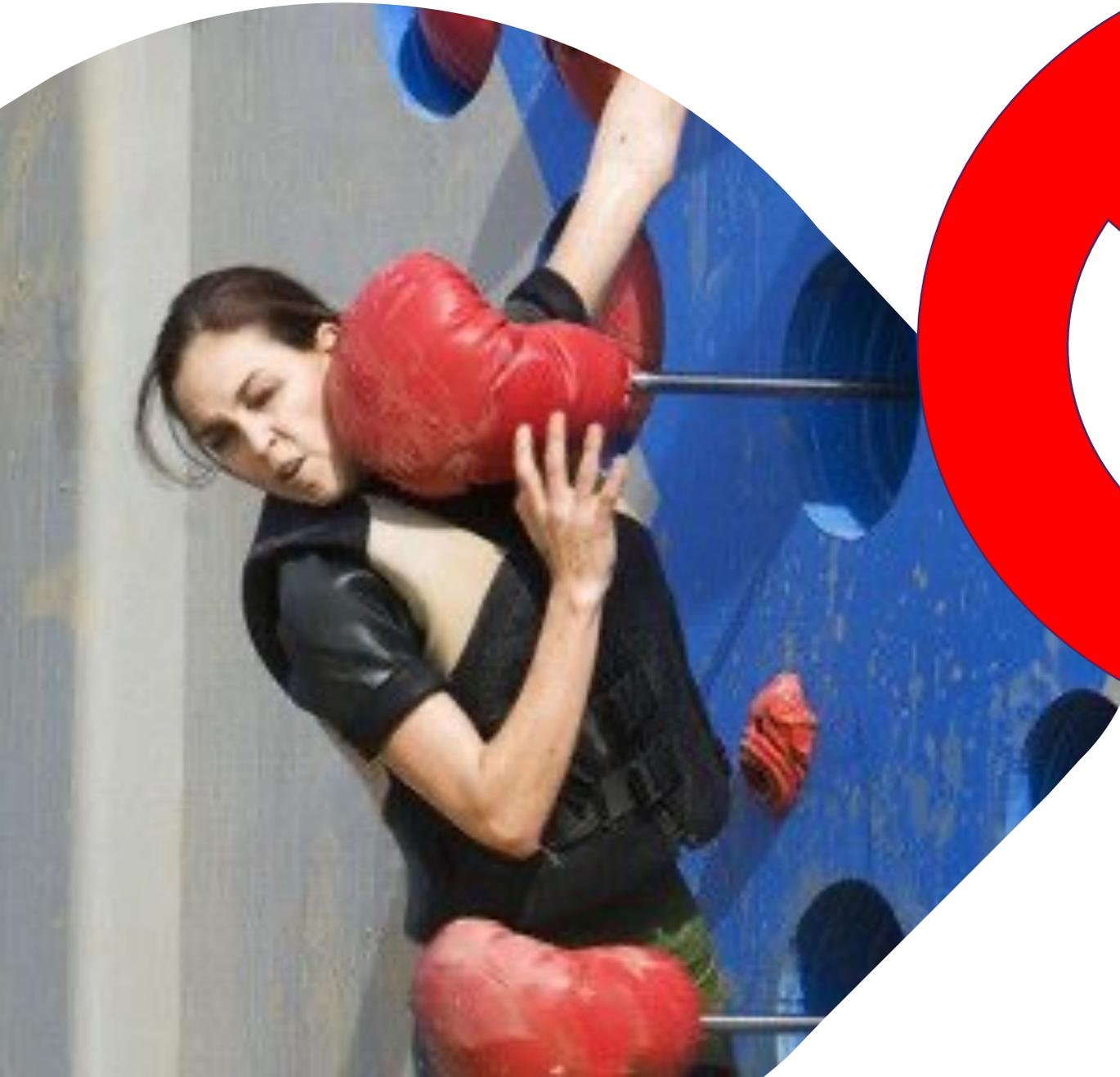
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Menu Filtering Efficiency

- **Filter so roles only see what they need**

- **AOS 3Way Match**

Menu Filtering Costs

- **The cost of a click!**

- **1 extra click can cost a company $33,600 per year!**

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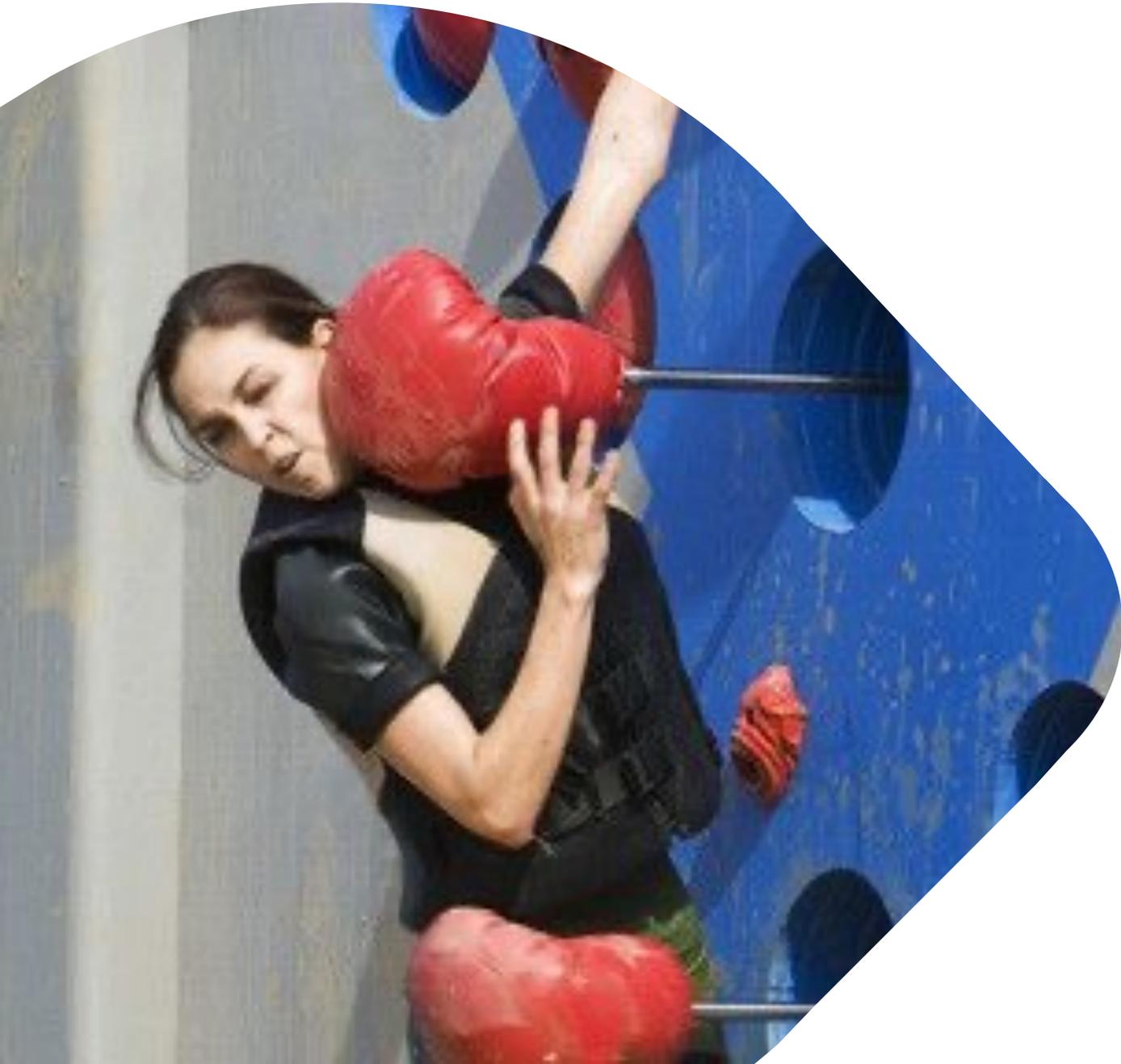
What Changed?

- **It worked Yesterday!**

- **Audit request for changes in the last 90 days**

What Changed?

- **Security Auditing with AOS!**

- ***NEW* F9312 functionality from JDE in Release22**

Audit History Report

Audit Type	Description	Programs Enabled	Tables Affected	Event Codes
User Changes	Definition	PDIS0953	F0092	10, 11, 12
	System Profile	PDIS0953	F98OWSEC	04, 05, 06, QW, QX
Role Changes	Definition	PDIS0953	F0092	10, 11, 12
Assignment Changes	Relationships	PAOS0002, PDIS0953	F95921	13, 14, 15, QY
	Environments	PDIS0953	F0093	Q1, Q2, Q3
Security Changes	Security	PDIS0950, PDIS0953, PMUR0300	F00950	07, 08, 09
	Menu Filtering	PDIS0953	F9006	Q4, Q5, Q6
Menu Changes	Tasks	PDIS0970	F9000	Q7, Q8, Q9
	Task Relationships	PDIS0970	F9001	QA, QB, QC
	Favorites	PDIS0953, PDIS0970	F9001	QD, QE, QF
ALLOut Audit Configuration	Configuration	PAOS0050	ALLOut Audit Configuration	QZ
Compliance Changes	Rules and Lists	PCML0620	ALLOut Rules & Lists	QJ, QK, QL
	Mitigating Controls	PCML0620, PCML0950	ALLOut Mitigations	QG, QH, QI, QT, QU, QV
	Role SoD Rules	PCML0920	ALLOut Role Combinations	QM, QN, QO
Miscellaneous	Defaults	Interactive Applications	ALLOut screen defaults	AO

Audit History Reporting

Date   1/26/2017   Thursday January 26, 2017

Audit Type	Time	Data Table	Data Table Description	Event Type	Change by	Data	User	Role	Program	Version	Ctrl/Rule
4.Security	11:17:08	Security	Security (F00950)	07 Add	DEMO	Type 1+3:YYNNNYNY		12SPLIT	P01012		
1.User	11:33:51	Users	User Definition (F0092)	10 Add	DEMO		RAYMOND				
3.Assign	11:33:51	Relations.	Role Relationships (F95921)	13 Add	DEMO	1/26/2017 -	RAYMOND	COMTST2			
3.Assign	11:33:51	Relations.	Role Relationships (F95921)	13 Add	DEMO	1/26/2017 -	RAYMOND	DEMOPUB			
3.Assign	11:33:51	Relations.	Role Relationships (F95921)	13 Add	DEMO	1/26/2017 -	RAYMOND	SRAPCLERK			
3.Assign	11:35:01	Relations.	Role Relationships (F95921)	13 Add	DEMO	1/26/2017 -	TSTIKE	04EXP			
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Add	DEMO	LIST100					LIST100
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Add	DEMO	LIST98B					LIST98B
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Extend	DEMO	LIST100			R00932		LIST100
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Extend	DEMO	LIST98B		PCML0620	RMUR0201		LIST98B
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Extend	DEMO	LIST98B		PCML0620	RMUR0400		LIST98B
6.Complia.	11:42:15	Rule/Lists	ALLOut Rules and Lists	QJ Extend	DEMO	LIST98B		PCML0620	RMUR0402		LIST98B
6.Complia.	11:44:35	Rule/Lists	ALLOut Rules and Lists	QJ Add	DEMO	RULE04C04E		PCML0620			RULE04C04E
6.Complia.	11:44:35	Rule/Lists	ALLOut Rules and Lists	QJ Extend	DEMO	RULE04C04E		PCML0620	LIST04C		RULE04C04E
4.Security	12:15:21	Security	Security (F00950)	07 Add	DEMO		P00950	12MASTER	P01012		
4.Security	12:15:38	Security	Security (F00950)	09 Change	DEMO		P00950	12MASTER	P01012		
4.Security	12:15:39	Security	Security (F00950)	09 Change	DEMO		P00950	12MASTER	P01012		
4.Security	12:15:51	Security	Security (F00950)	09 Change	DEMO		P00950	12MASTER	P01012		

**** End of Report ****

What Changed

- **Annual cost for audit reporting without ALLOut Security is $202,824**

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Case Study -Audit

ALLOut Security

	Before	Anticipated Growth	Post Implementation
Users	1,100	2,500	2,600
Lists	24	40+	77+
SOD Programs	180	600	920
Programs in Use	1,770	2,500	2,830
F00950 Records	12,000	20,000	23,000
Controls Being Tracked	30	60+	200
Review Frequency	Semi-Annual	Quarterly	Weekly
Hours Per Review	**200**	?	2
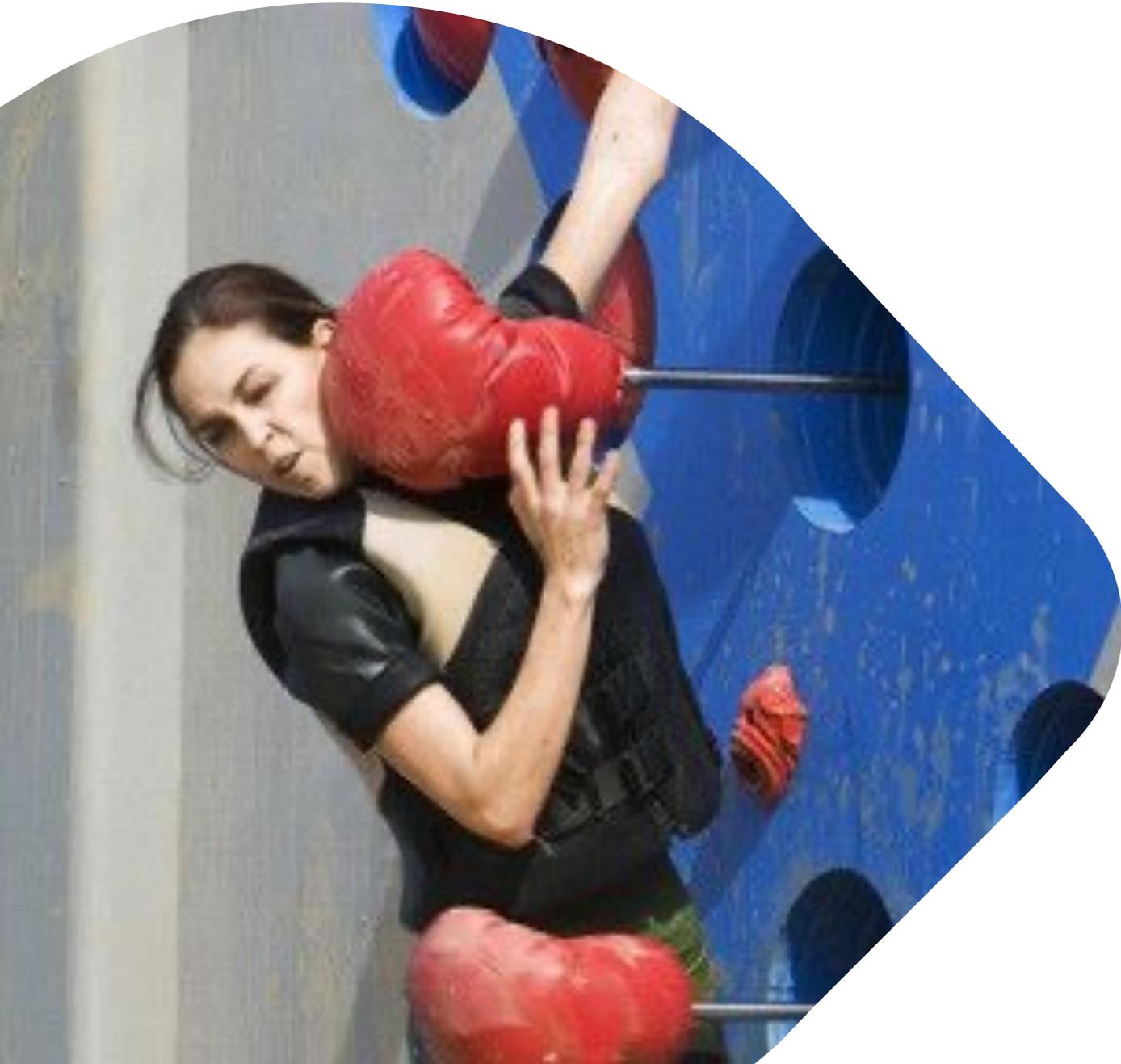
UDO Security Obstacles

- **Time consuming**

- **User only has security to some of the buttons on the E1 page**

- **Managing access by user**

UDO Security Efficiency

- **Align Menus, Roles, and Pages/UDO objects!**

- **AOS Security Supergrid for management**

UDO Security Costs

- **Lost productivity finding what role gives access to page buttons**

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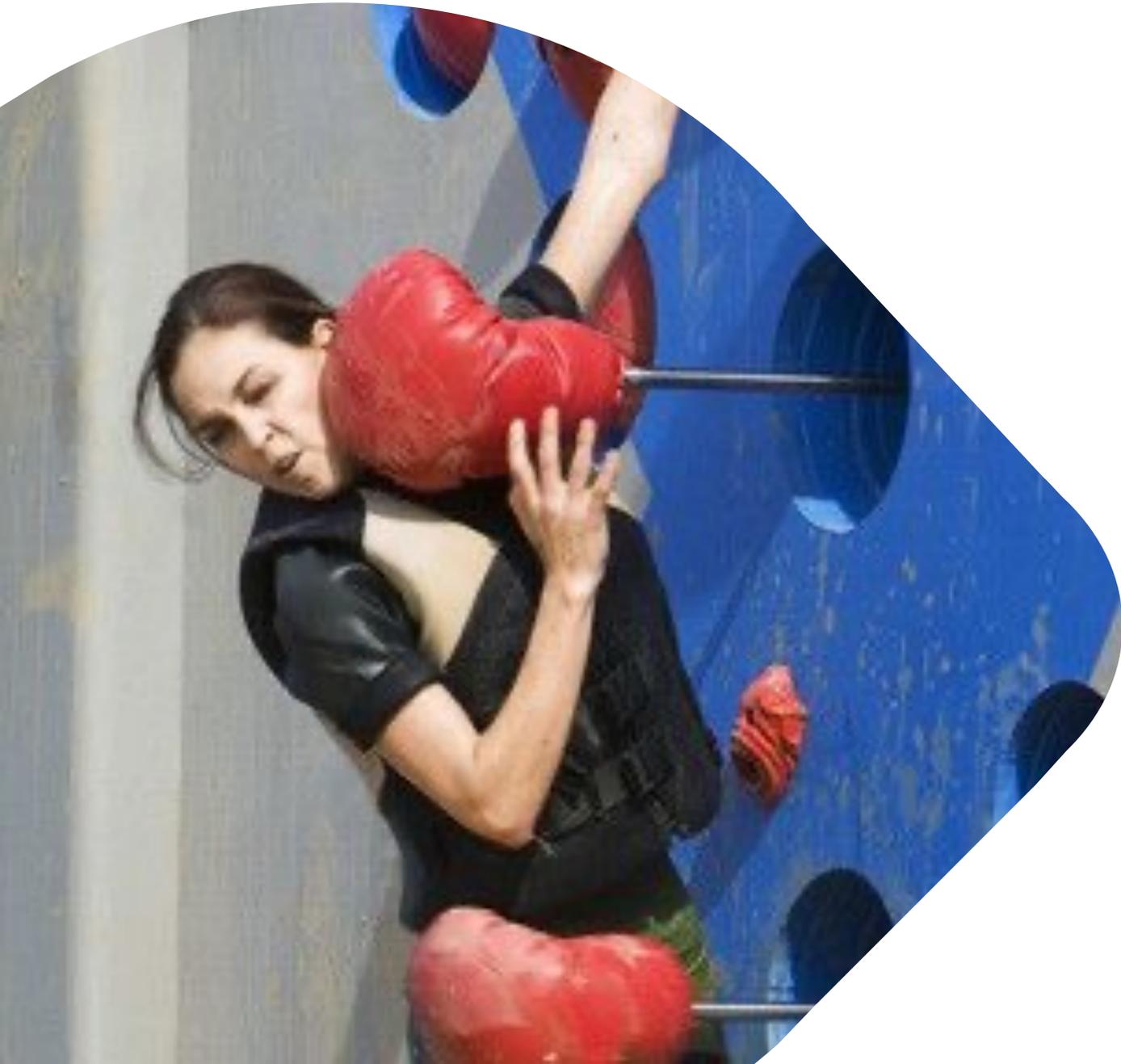
Data Access Obstacles

- **Access to ALL Companies**

- **Unable to process intercompany**

- **Payroll clerk can see everyone's salary or rate**

Understanding JDE Security Hierarchy –Row Security

1 **User**
Table-Data Item, *All Tables-Data Items

2 **Row/Security Role- Multiple Roles Sequence #**
(highest # Wins)
Table-Data Item, *All Tables-Data Items

3 *** Public**
Table-Data Item, *All Tables-Data Items

✖ **The first record found it STOPS and that is what is used**

1 User Level

2 Role Sequence #20

2 Role Sequence #10

3 *Public
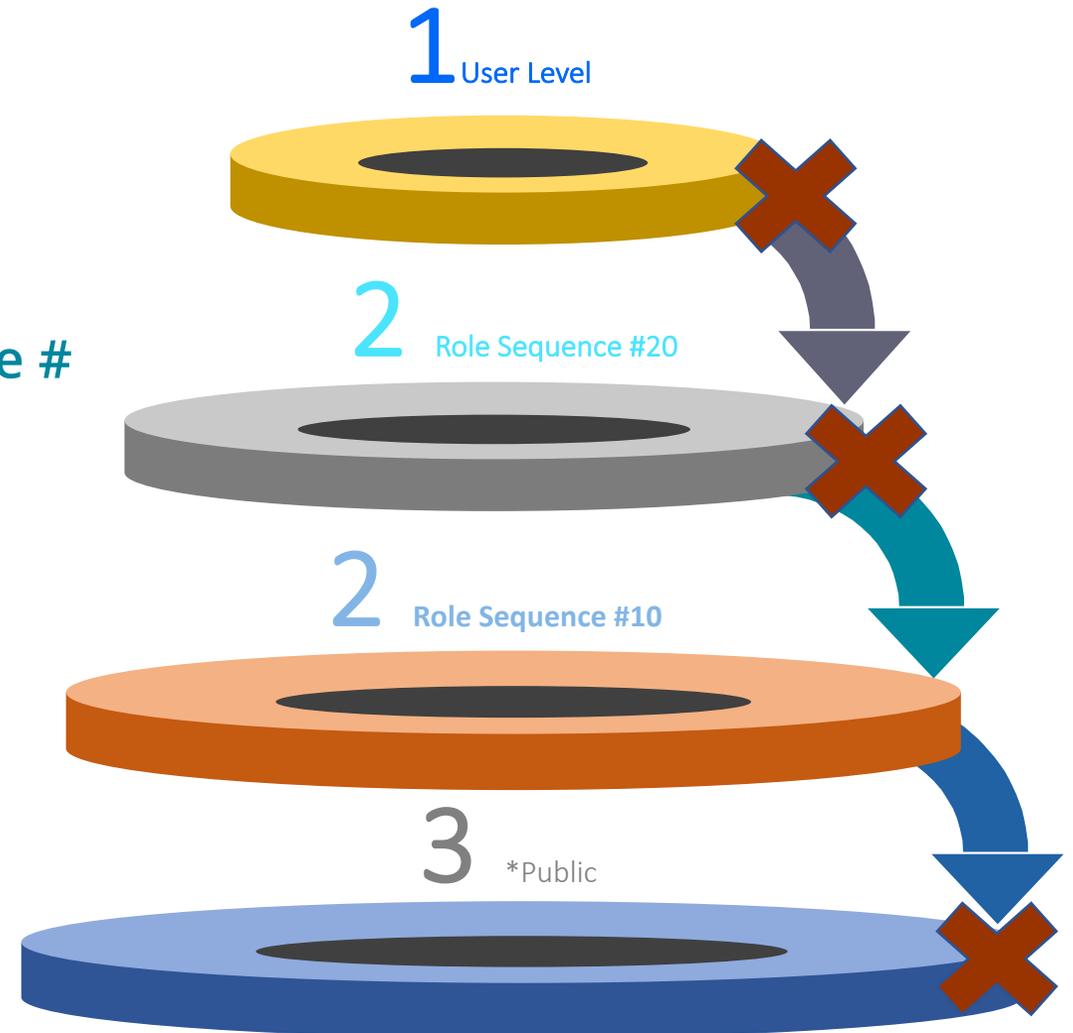
Data Access Efficiency

- **Inclusive mode row security**

- **Exclusive Application security**

- **Column security to hide data but allow processing**

Data Access Costs

- **Orphaned Transactions!**

- **Financial Integrity**

- **Exposure**

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Wrap Up

- **E** valuate
- **R** esearch
- **P** lan
- **S** tart

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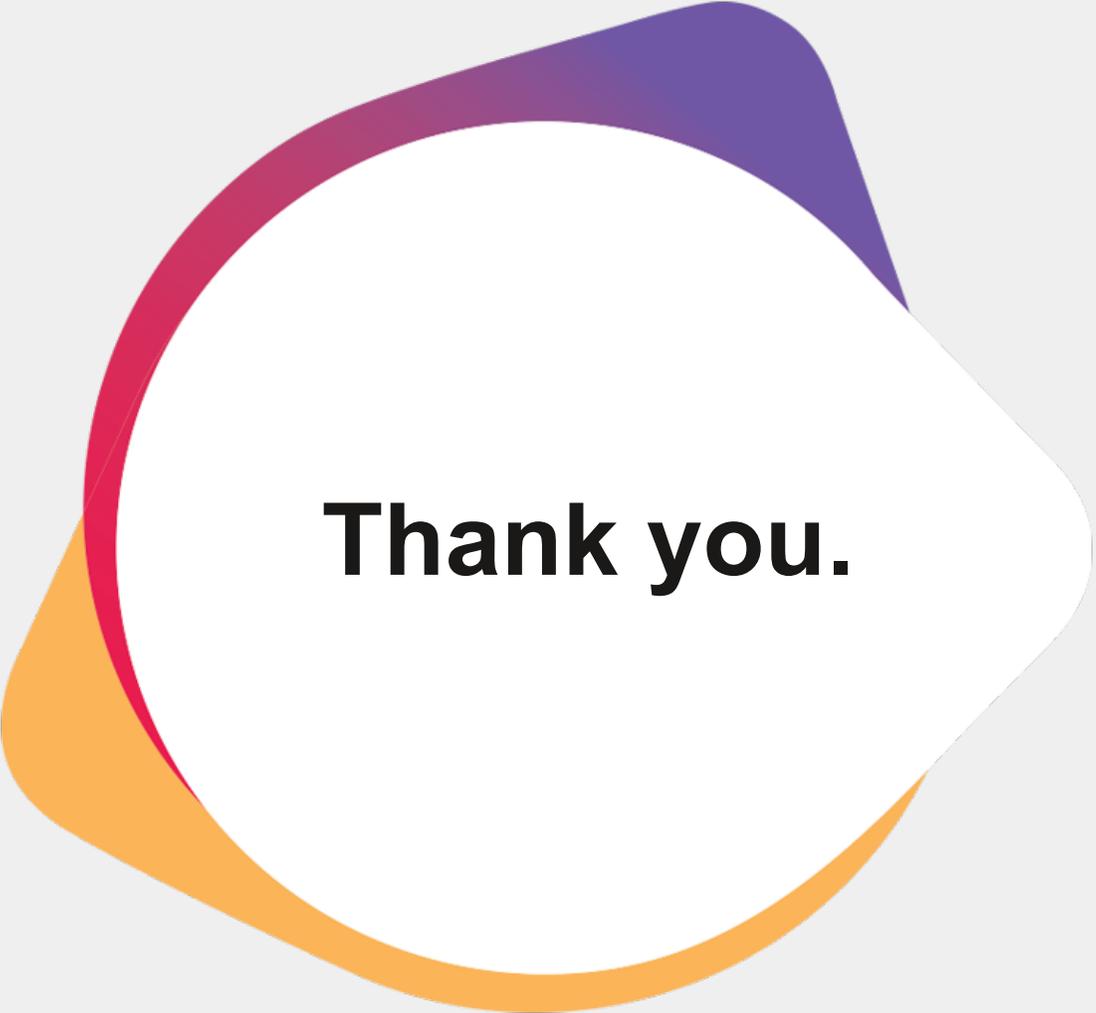
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Thank you.

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