





The New Leader in Access Orchestration and Application Security

Assess your JDE security

Know where your risks are and understand how to reach best practice



Agenda

- What can Happen?
- Identify Weaknesses in your ERP Security
- Auditing your ERP
- Remediation
- Build a Business Case
- The Bigger Picture



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The market leading application security and controls automation platform.

Trusted by the world's leading enterprises, governments, and auditors

Our Customers

























Our Partners











Broadest Application Support

Unmatched support for critical business applications

Native and Cloud-Based Solutions

A hybrid toolset capability for a hybrid world

500+

Worldwide employees for fulfillment and support

1,300+

Customers, worldwide with a 96% renewal rate



QSoftware is now part of Pathlock

Security for the Enterprise ERP

Building the Market Leader

2005

Grey Heller (now Appsian)

Peoplesoft Experts Leader in Data Security & UX SAP/EBS Data Security -Masking & ABAC

Aug 2021

2000

Q Software

Market Leading GRC tools for Oracle/JDE

On-Prem & Cloud

Services & Methodologies

Security Assessment Process

Dec 2021

2005

SAST Solutions

Application Security

SAP Focus

Cyber & GRC Security

Scan Code for Issues

2005

Security Weaver

GRC tools

SAP Focus

Integrated into SAP

Mar 2022

Xpandion

Highly Innovative GRC tools for SAP

On-Prem & Cloud Very Quick Implementations

Market Leading Workflow

2007

Oct 2021

Pathlock

GRC Leaders for 15 Years Cross Platform SOD & ULM SAP Specialism - full GRC Toolset SAP Relationship

2006

Mar 2022

CSI Tools

Innovative GRC SAP Focus Based in Belgium

1997

Apr2022

Pathlock

Worldwide Leader in ERP Access and Data Security

Oracle EBS, JD Edwards, SAP, MS, Netsuite, SN Cross Platform (141 Applications) User Lifecycle Management Security, Audit & SOD

Efficiency in Internal Controls

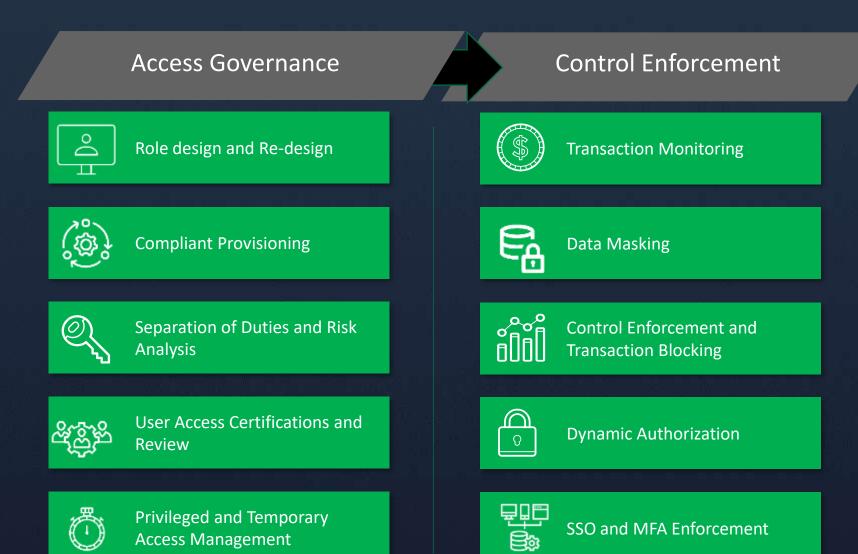
Worldwide Channel

2023



360-degree protection for cloud and on-premise business applications

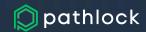






Managing Risks - Crucial for a Sustainable ERP





PwC Fraud Survey 2020

47%

Experienced fraud in last 2 years



Committed by insiders

Source: PwC 2020



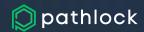
INTERNAL CONTROL WEAKNESSES

WERE RESPONSIBLE FOR NEARLY

HALF OF FRAUDS

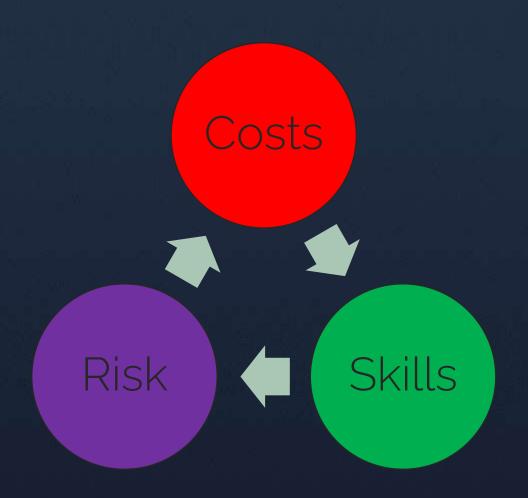


Source: ACFE 2018



The Efficiency Conundrum

- Sustainable Internal Controls
- Time savings in Security Management
- Efficiency in Audit





Issues to Worry an ERP Director

- What are my Risks
- Are Major Frauds Possible on my ERP
- Satisfying Internal/External Audit
- Internal Controls
- How do I Plan Remediation (a path to best practice)





WHY CHOOSE A SECURITY ASSESSMENT?

Security Re-Design

Known violations, issues with existing security design and structure.

"Help me understand my current state and make recommendations for a new security model"



Remediation

Security design healthy, high volume of violations related to segregation of duties issues.

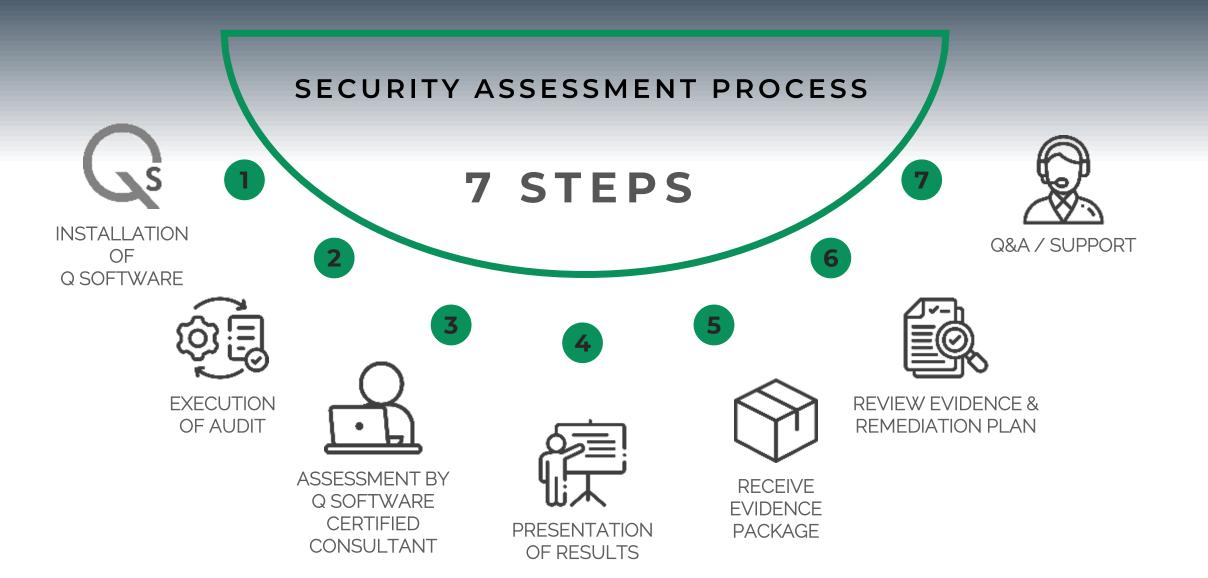
"Help me make sense of the data and recommend a path towards compliancy"

Controls Review

Known violations, high possibility of false positives.

"Educate me, review my rules and help me design compliant processes"





SECURITY DESIGN

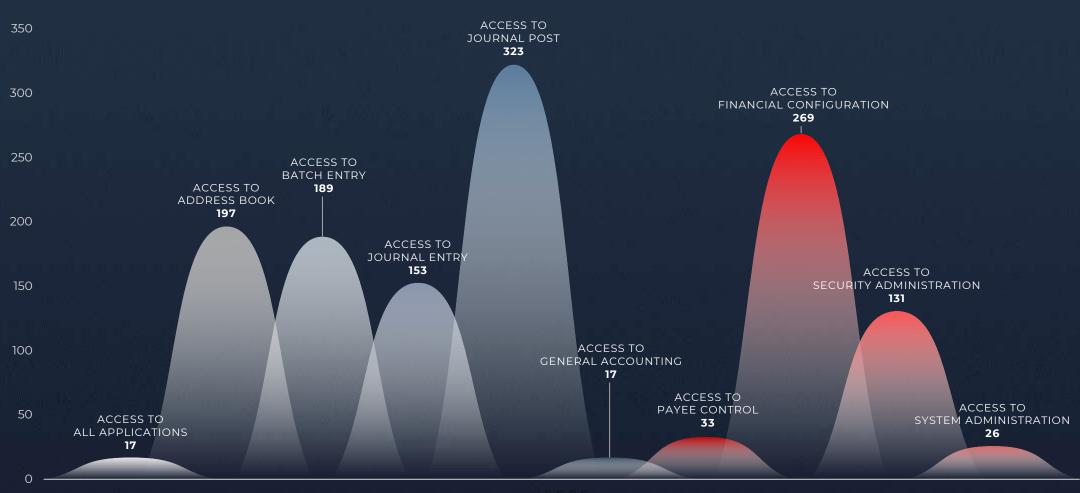
MODEL & STRUCTURE RATING

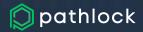




CRITICAL ACCESS

VIOLATION SUMMARY

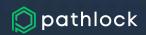


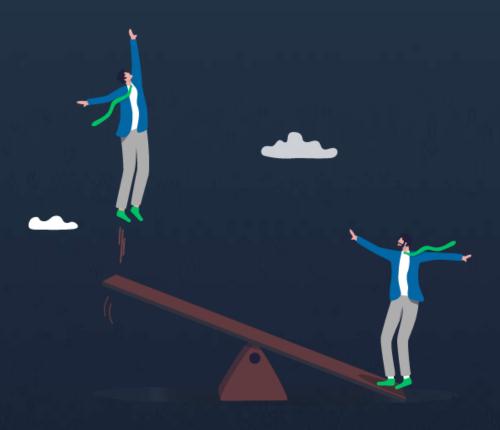


SEGREGATION OF DUTIES

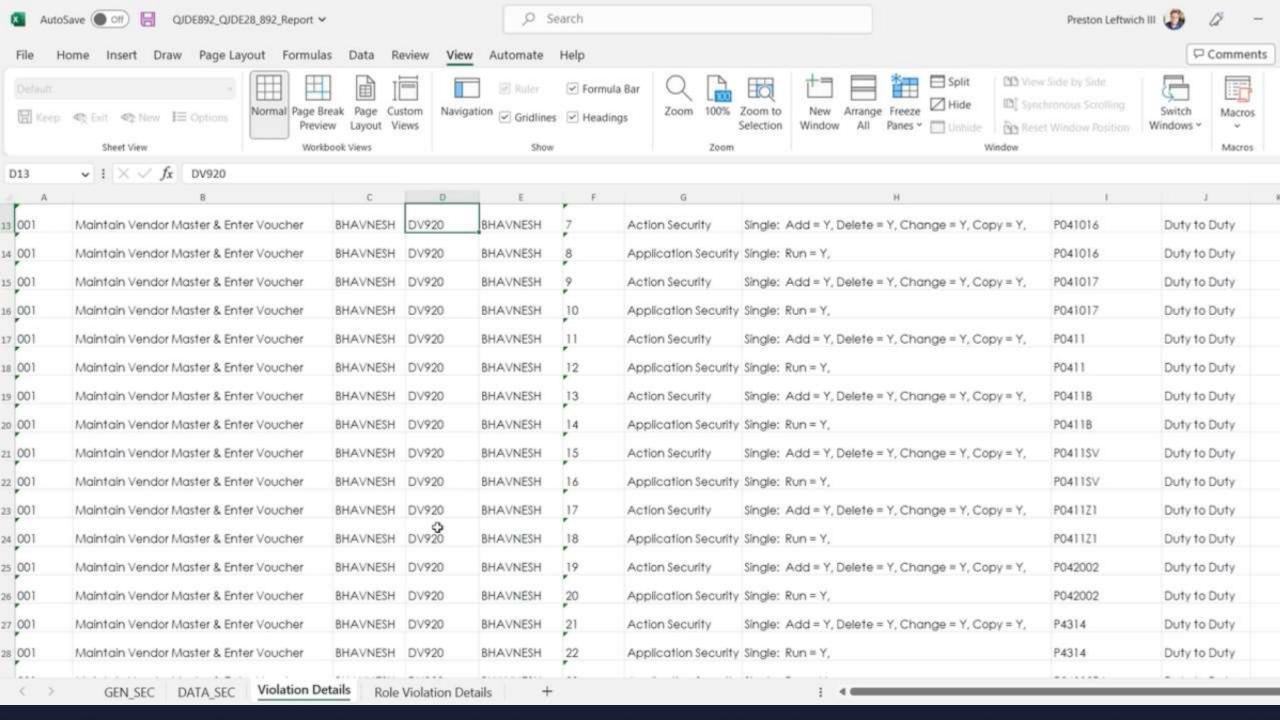
VIOLATIONS SUMMARY

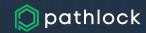
Rule ID	Rule Description	Risk Severity	No. of Users in Violation	Business Users in Violation	IT Users In Violation
001	Maintain Vendor Master & Enter Voucher	Medium	75	51	24
002	Maintain Vendor Master & Payee Control	Medium	30	15	15
003	Maintain Vendor Master & Create Manual Payment	Medium	75	51	24
004	Maintain Vendor Master & Create Automatic Payment	Medium	75	51	24
005	Enter Voucher & Create Manual Payment	Medium	86	62	24
006	Enter Voucher & Create Automatic Payment	Medium	86	62	24
007	Maintain Bank Accounts & Create Payments	Medium	53	32	21
800	Create Payments & Positive Pay	Medium	84	62	22
009	Maintain Vendor Master & Prepare Bank Reconciliations	Medium	60	36	24
010	Enter Vouchers & Prepare Bank Reconciliations	Medium	67	43	24
011	Create Payments & Prepare Bank Reconciliations	Medium	67	43	24
012	Maintain Bank Accounts & Prepare Bank Reconciliations	Medium	37	16	21
013	Enter Journal & Post	High	86	62	24
014	Enter Journal & Close Period	High	70	46	24
015	Post & Close Period	High	76	52	24
016	Enter Journal & Maintain General Ledger	High	70	46	24
017	Maintain Customer Master & Process AR Receipts	Medium	128	104	24
018	Process AR Receipts & Prepare Bank Reconciliations	Medium	69	45	24
019	Process AR Receipts & Enter Journal	Medium	71	47	24
020	Process AR Receipts & Post	Medium	117	93	24
021	Process AR Receipts & Process Deductions	Medium	98	74	24
022	Maintain Payment Terms & Invoice AR	Medium	48	27	21
023	Maintain Payment Terms & Maintain Customer Master	Medium	51	30	21





Demo





The Business Case

Believable Understandable Supportable

RISK ANALYSIS

What happens if it goes wrong Risk of INACTIVITY!

COSTS/SAVINGS

Efficiency, automation Soft savings – cost of fraud

IMPLEMENTATION

Plans & resources
Dependencies

COMMUNICATION

Buy-in Resources commitment

MEASURES

Success Criteria Targets











Identify Stakeholders – what is their Involvement?

Stakeholder	Description	RACI
End Users	•	I
Business Support ERP Finance ERP Supply Chain Management		С
Security Administrators	•	А
System Administrators		С
ERP Change Management	=	R
Internal Audit	•	I

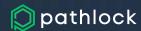
RACI - responsible, accountable, consulted, informed



8 Best Practice Tips for ERP Security

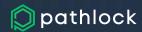
- 1. Evaluate the Risks (experience is key)
- 2. Audit Live Security
- 3. Know your Business Processes
- 4. Plan your Roles Least Privilege
- 5. Understand your Controls
- 6. Build a Risk Matrix (yours not someone else's)
- 7. Empower the Business
- 8. Automate Sustainable Controls





Cross-Application Business Processes have unlocked best-of-breed solutions, but are introducing new access risks





PATHLOCK - The Cost Effective GRC Solution

Tailored in day to meet the needs of Your Business

EFFICIENT PROVISIONING

Workflow to automate joiners, enable SOD checks & approvals. Make sure your users are happy and auditors have their audit trails

CONTROL SOD, PREVENT FRAUD

Build your own risk matrix, ensure you are compliant with legislation, and can satisfy the auditors.



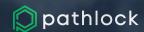
MANAGE RBAC PROACTIVELY

Move away from complex mitigation to a security model that is stable and supportable. Reduce costs and increase security

SIMPLIFY ACCESS REVIEWS & OTHER CONTROLS

Huge efficiency gains from utilizing the very flexible workflow





Thank You

If you have any questions

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