

Strengthening ERP Security Posture with Semantic AI

Fusion Risk Management Cloud

Speakers



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Agenda

Strengthening Cybersecurity – Sid

Meta Case Study - Dave

Republic Services Case Study - Tara

Hertz Case Study – Joe

Exelon Case Study – Kevin

Wrap-up

Shift to cloud is reshaping SaaS cybersecurity

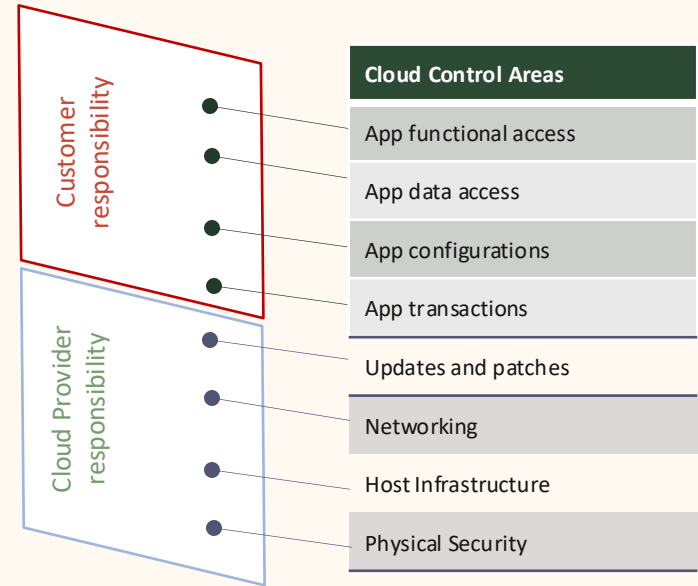
Attack surface area focused on the application layer

On-prem ERP/SCM/HCM

Cloud ERP/SCM/HCM

- More users with a global footprint
- Increased integrations via web services
- Accelerated transaction cycle time
- More setups with frequent updates

Compared to on-prem, Business processes running on the cloud requires a different approach to managing cyber security





Republic Services Case Study – Tara

Subtitle goes here

Republic Services provides the most complete set of recycling, waste and environmental solutions from a single-source provider. We partner with customers to help them achieve their sustainability goals, driving both environmental and economic sustainability.



Sustainability in Action



13M

Customers



42K

Employees



1K+

Locations in North America

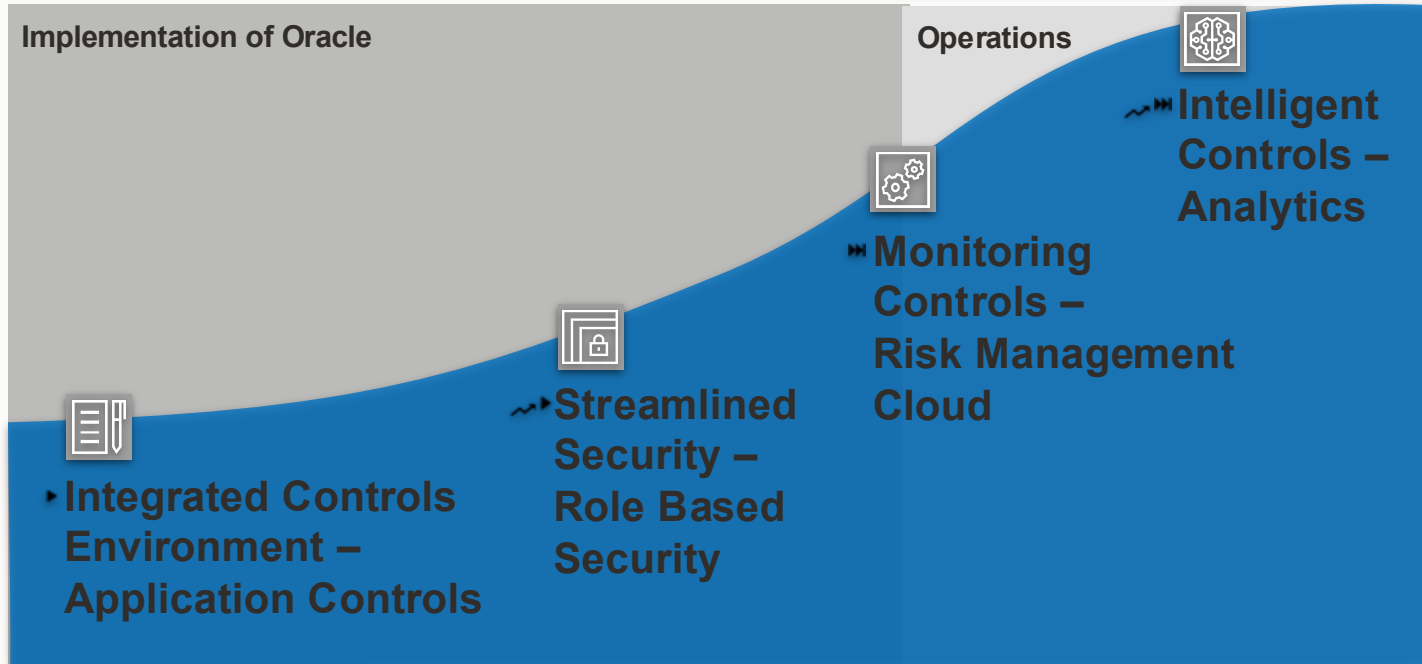
Republic's Oracle Fusion Implementation Journey



Designing a Proactive vs. Reactive Controls Environment

CISO and Internal Audit partnered to modernized controls and security

Risk Management
Cloud (RMC)



RMC Monitoring Controls:

1. Advanced Financial Controls (AFC) - 54
2. Advanced Access Controls (AAC) - 68



Security and controls automation **increases efficiency** by reducing manual activities driving more value activities and employee engagement

RMC In Action – The Answer to System Activity



Transactions

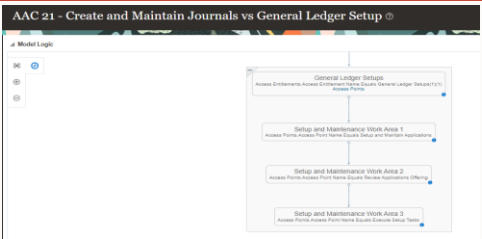
The Enterprise Resource
Planning (ERP)
Relationships

Configuration

Access

Who?

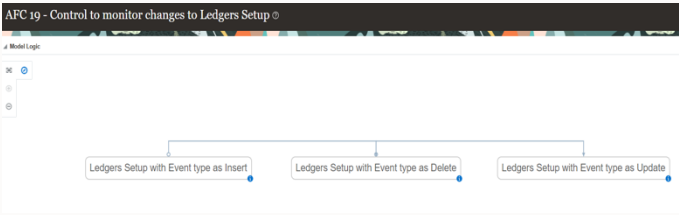
Access: Create and Maintain Journals vs General Ledger Setup



| Controls | |
|---|---------------|
| aac 21 | |
| Show Filters | |
| Actions View | |
| Name | Results Count |
| AAC 21 - Create and Maintain Journals vs General Ledger Setup | 0 |

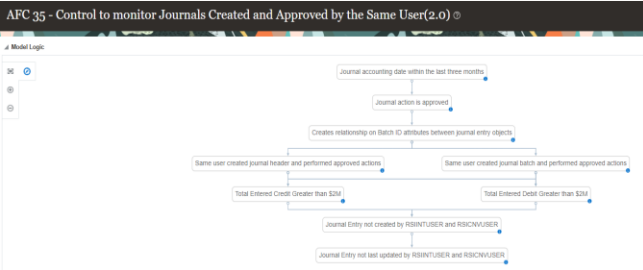
What/
When?

Configuration: Monitor changes to General Ledgers Setup



What/
When?

Transactions: Journals created and approved by same user



Automating User Access Reviews

Oracle Implementation



Role Based Security



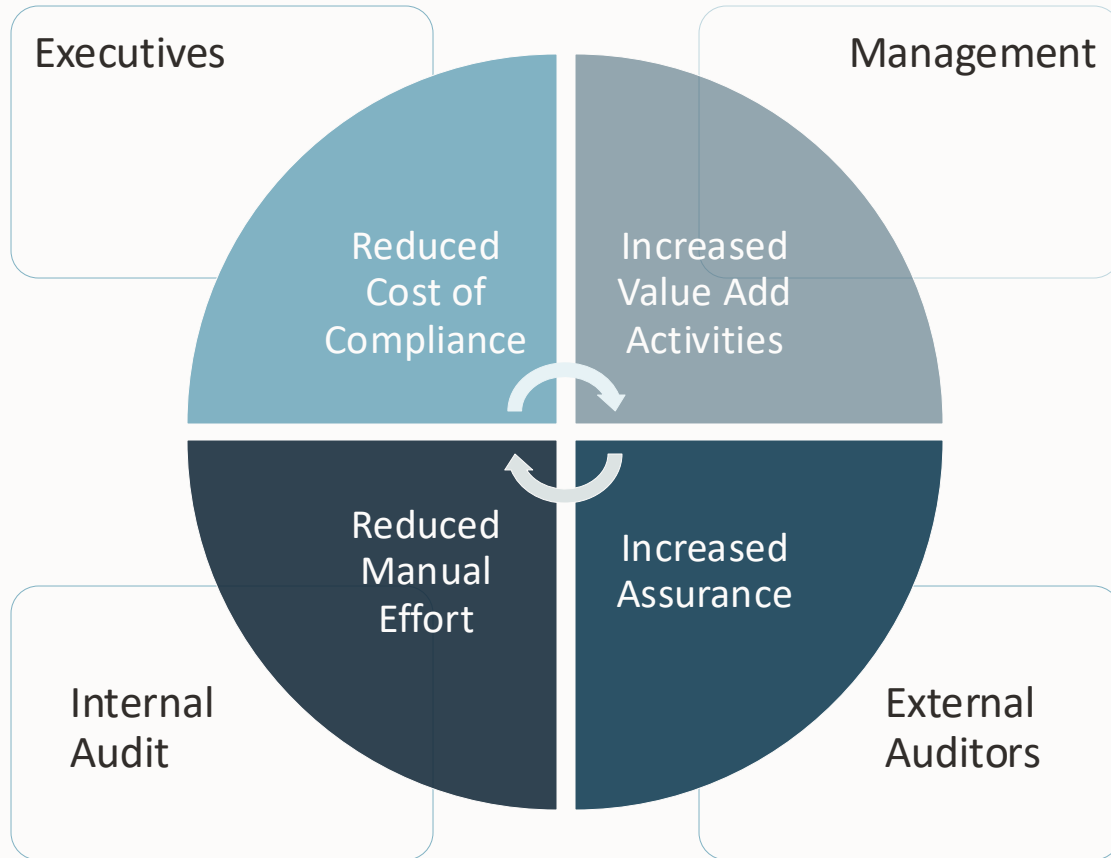
Entitlement Level
Reporting and Review
(Advanced Access Controls)

Operations



An automated risk-based UAR approach reduces manual effort and increases precision by focusing on access with high impact to the financials

Model for Success: Automated High-Risk User Access Reviews



Getting Started



Implement and enforce Role Based Security

Limit exceptions



Identify High-Risk Entitlements

Sensitive Access

Elevated Access

Segregation of Duties



Utilize Advanced Access Controls

High-risk entitlement reporting



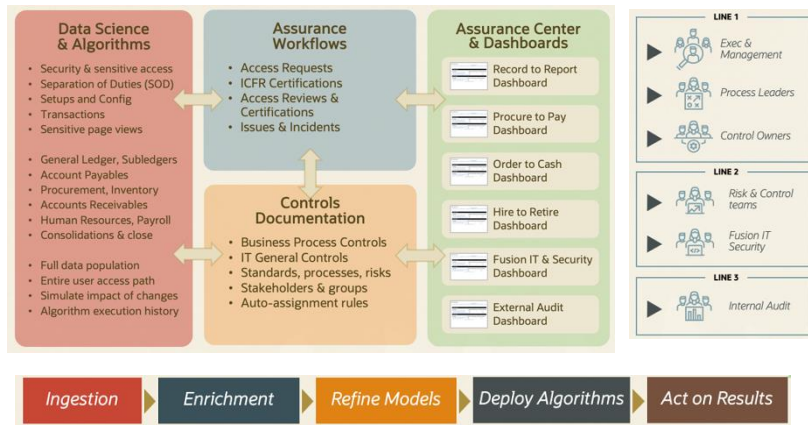
Develop and overlay analytics on top of User Access Review Reporting

Take the human out of reviewing low-risk and pre-approved security fit for title

Focus reviews on high-risk and exceptions only

Solutions and Use Cases

Enterprise-wide Assurance



Engage process owners (Line 1) with daily & continuous assurance

One unified system for documentation & data analysis across stakeholders

Automate ICFR including Cybersecurity and SOD with 100% transaction monitoring

Solution Areas

Prevent SOD violations

Monitor User Access

Monitor User Activity

Manage Internal Controls

Key Use Cases

1. Design Custom Roles without SOD violations
2. Check Access Requests for SOD violations [video](#)

3. Monitor & Report Sensitive (Restricted) Access [video](#)
4. Monitor & Report Separation of Duties (SOD) [video](#)
5. Automate User Access Reviews & Certifications [video](#)

Monitor Critical Configurations & Transactions:

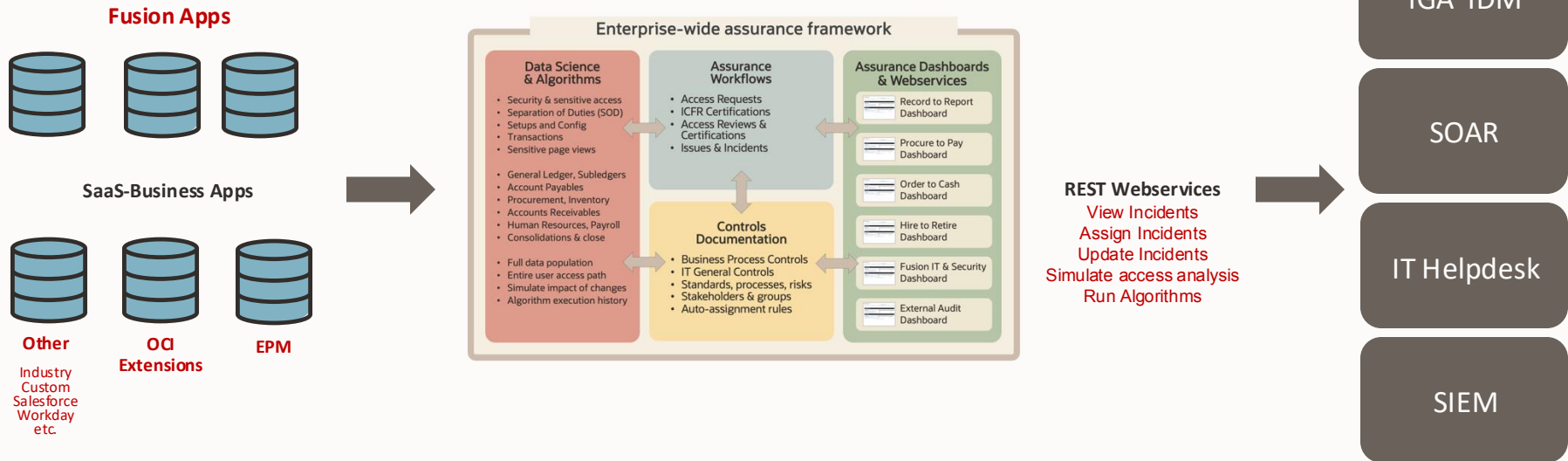
6. IT Superuser Assurance [video](#)
7. Procure to Pay Assurance [video](#)
8. Record to Report Assurance
9. Order to Cash Assurance
10. Hire to Retire Assurance

11. Document (RCM), Test & Certify Controls

Videos: www.riskcloud.wiki

Single surface for SaaS posture management (Fusion & non-Fusion)

- Integrated access governance for Fusion and non-Fusion Apps
- Activate one set of access controls, SoD rules and toxic combination policies
- Manage access issues in one place for audit reporting
- Webservices for integration with IGA, SOAR, IT Helpdesk etc.



Summary

Deployment Planning

- ☐ Activate access controls
- ☐ Define roles free of access & SOD violations
- ☐ Assign business owners for roles
- ☐ Test workflows and simulate potential violations

Continuous Validation

- ☐ Periodic user review & certifications
- ☐ Compliant provisioning
- ☐ Daily monitoring for IT & Admin access
- ☐ Daily monitoring for users with SOD risk
- ☐ Daily monitoring for transactions with Access and SOD violations
- ☐ Daily monitoring for unusual viewing sensitive employee data



ORACLE CloudWorld

Thank You

Subtitle goes here

Click to add text

Introduction | Risk Cloud

← → ↺ riskcloud.wiki 🔍 ☆

Risk Cloud

Introduction Case Studies

▶ Intro & Demo (19 min)

Watch 1 long intro video (above) ⬆

OR

Watch intro in short segments (below): ⬇

- ▶ 1. Product Concepts (3:43)
- ▶ 2. Access Requests w/SoD (2:48)
- ▶ 3. Access Certifications (2:28)
- ▶ 4. Sensitive Access (2:28)
- ▶ 5. Separation of Duties - SoD (3:19)
- ▶ 6. Procure to Pay Assurance (2:45)
- ▶ 7. Hire to Retire Assurance (4:30)
- ▶ 8. IT Superuser Activity Monitoring ...
- ▶ 9. Conclusion (2:02)

⚙ More Info

R Intro to Fusion Risk Management Cloud ⌚ ↗ Watch later Share

Introduction with Product Demos

Fusion Risk Management Cloud

Oct 2023

Watch on YouTube

Introduction with Product Demos (19 min)

R Intro to product videos ⌚ ↗ Watch later Share

Connected system of data-driven internal controls

Enterprise-wide Assurance Framework

<https://www.riskcloud.wiki>





Risk Management Resource Center

News, Events, and Training



Get acquainted with Risk Management



1. Learn what it does: Overview | Use cases 2. See it in action: Introductory videos & case studies
Customers' deployments and everyday experiences 3. Learn how it fits ...

<https://community.oracle.com/customerconnect/categories/erp-rc-risk-management>

Get acquainted with Risk Management



1. Learn what it does:

- [Overview](#) | [Use cases](#)


2. See it in action:

- [Introductory videos & case studies](#)
- [Customers' deployments and everyday experiences](#)

3. Learn how it fits into the bigger picture:

- [Principles of Oracle Fusion Cloud Applications Security](#)
- [Fusion Cloud Applications Security, Setups and Transactions: Key Considerations](#)

4. Get started:

- 
- [Choose the blueprint that's right for you](#)
 - [Follow our path to success](#)