

# Strengthening ERP Security Posture with Semantic AI

Fusion Risk Management Cloud

# Speakers



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Hertz



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Director  
IT  
Exelon



# 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

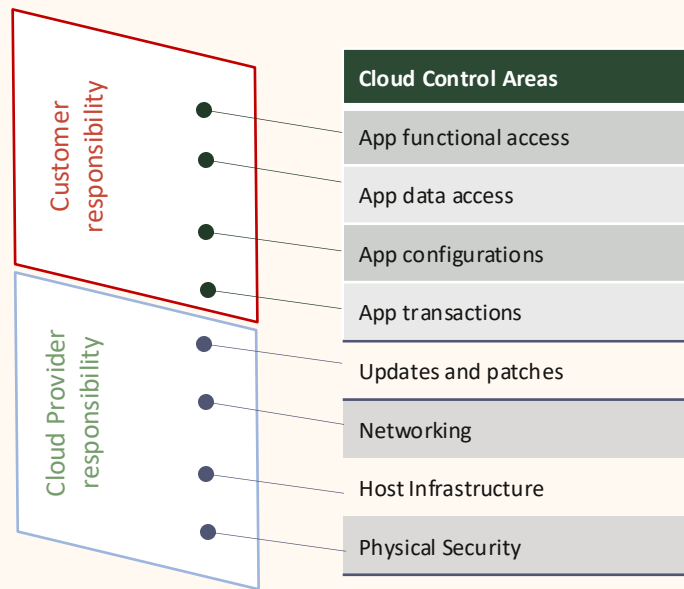
Attack surface area focused on the application layer

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





Dave Claytor

Director, Enterprise Engineering

# Meta - Background



- Cloud Financials, Supply Chain deployed Jan-2021
- Utilized Risk Cloud Application & API extensively, since go live
- Leveraging SoD, Sensitive Access & Advance Configuration capabilities
- Driving compliance across internal applications, third party platforms

# Access Management Landscape



**57**

SoD Controls  
Enforced

**82**

Sensitive Access  
Controls Monitored

**107,000**

Users

**380,000**

Sensitive, SOD  
Access Requests  
Analyzed, Jan-2021

**28**

Fusion ERP &  
SCM Modules

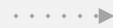


**565**

Fusion Roles

**219**

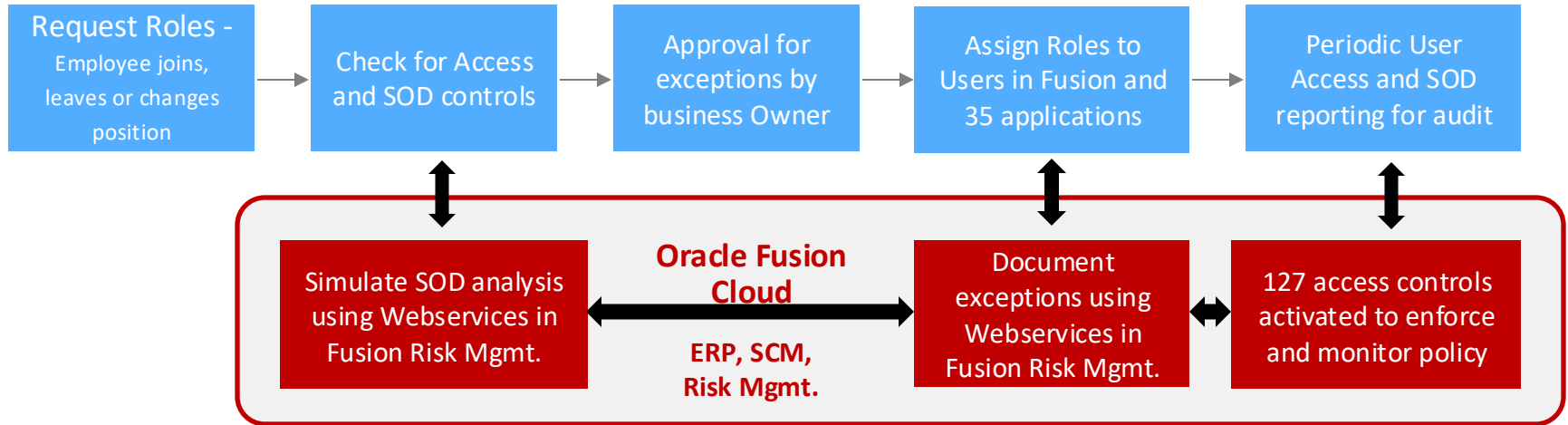
3rd Party & Internal  
Applications



**5,600+**

Roles

# Automated User Provisioning



**380,000+** User role requests

**57** SOD Controls enforced

**82** Sensitive Access Controls monitored

**107,000+** Users

**565+** Roles across Fusion ERP & SCM

**5,600+** Roles across 84 third, 135 first party apps



# Access Controls



Requests for SoD and Sensitive Access sent to Fusion Risk Management, using standard and custom SOD policies



Analysis performed down to the security context level, including intra-role and cross application review



Process owner can provide business justification for SOD violation and approve



Compensating control established, reviewed quarterly

# Outcome & Plans



Automating the SOD reporting process by investing in checks before a user is provisioned saves a ton of time and reduces risk



Reduction in SOD violations when approval authority and accountability resides with a process owner



Role based mapping and provisioning for Shared Services



Implementing Advanced Configuration Controls to automate configuration change management tracking

# Takeaways



Configure Fusion Roles with SOD analysis during ERP and SCM implementation



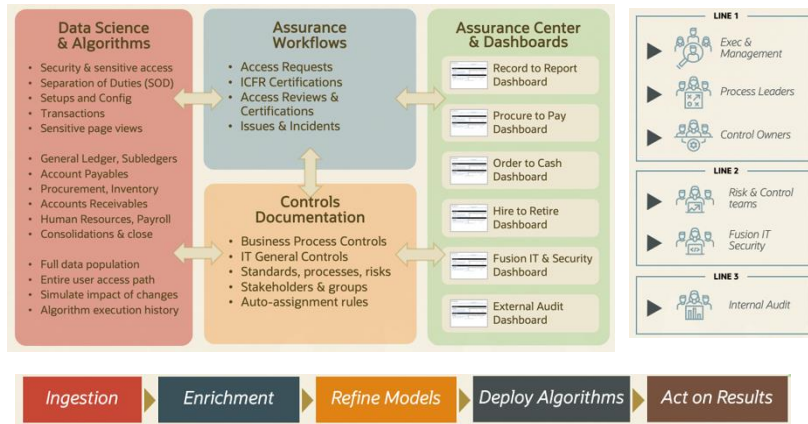
Automate exception approvals by process owner to reduce access violations



Ensure audit readiness with periodic reviews of exceptions

# 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:

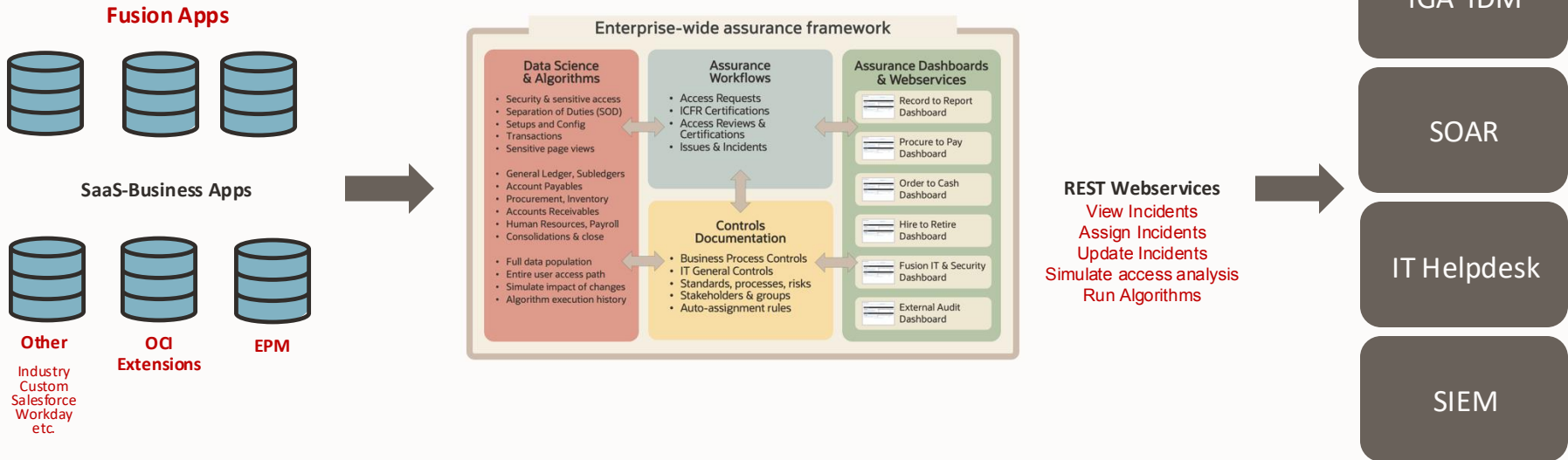
6. IT Superuser Assurance [video](#)
7. Procure to Pay Assurance [video](#)
8. Record to Report Assurance
9. Order to Cash Assurance
10. Hire to Retire Assurance

11. Document (RCM), Test & Certify Controls

Videos: [www.riskcloud.wiki](http://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

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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

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)

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](#)