

# Strengthening ERP Security Posture with Semantic AI

Fusion Risk Management Cloud

# Speakers



Dave Claytor

Director  
Enterprise Engineering,  
Meta



Tara Kolsrud

Vice President  
Audit  
Republic Services



Joe DeGrave

Director  
Corporate Platforms-EPM  
Hertz



Kevin Daughtry

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

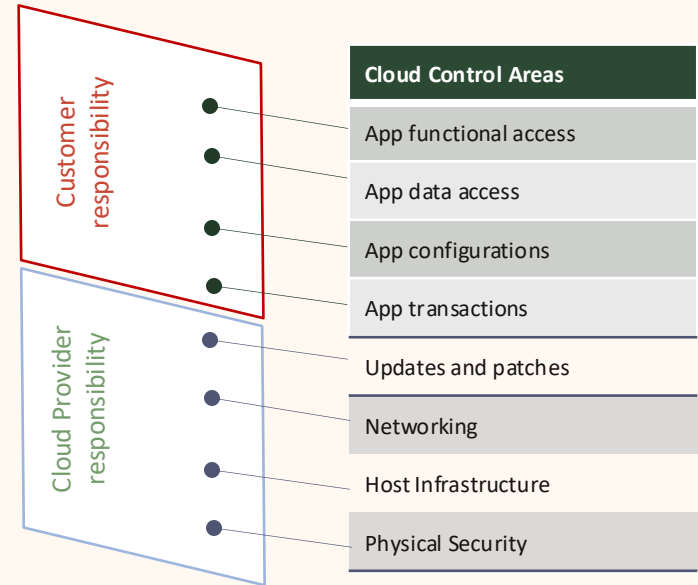
Attack surface area focused on the application layer

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

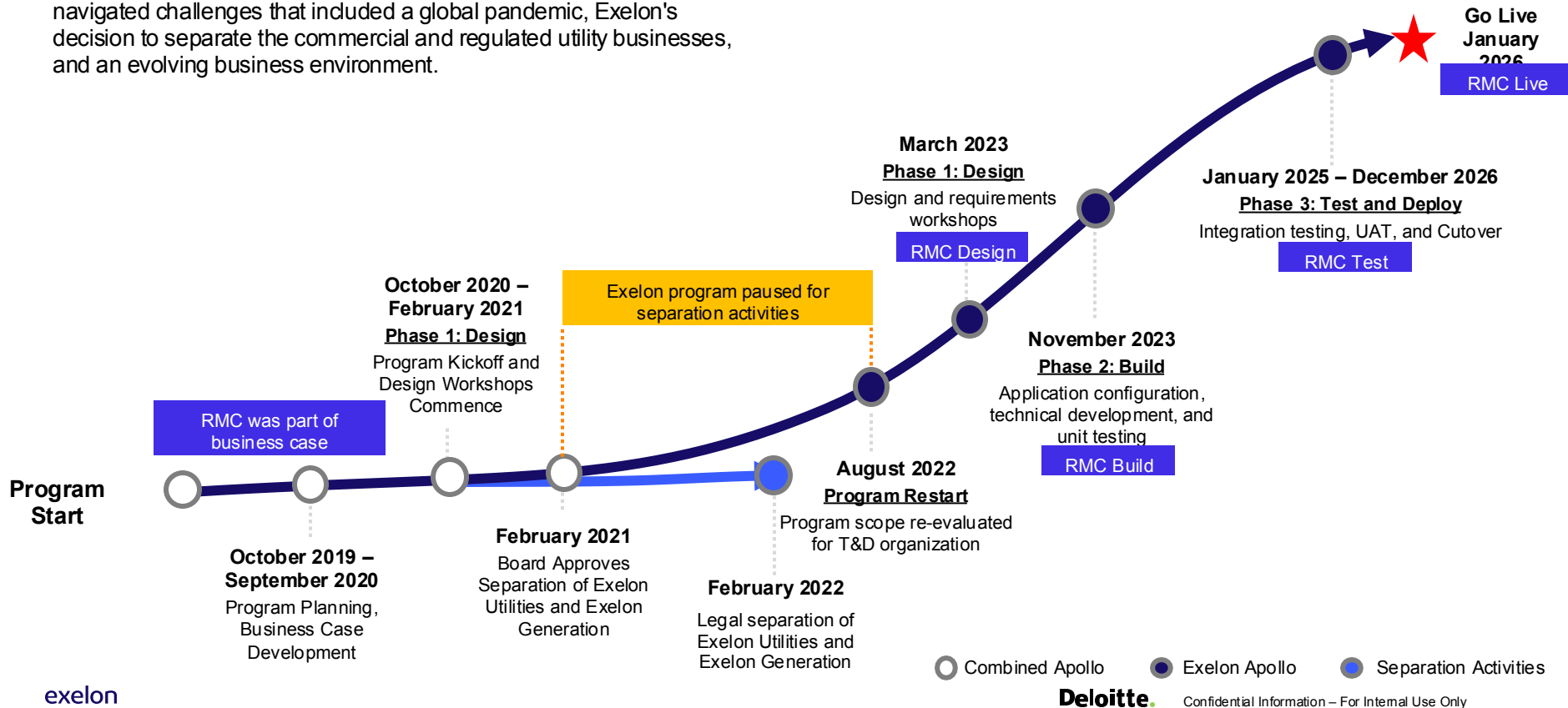




# Oracle Cloud World - 2024

# Exelon's Apollo Journey

Following the Apollo program inception in 2019, the team successfully navigated challenges that included a global pandemic, Exelon's decision to separate the commercial and regulated utility businesses, and an evolving business environment.



# Solution Overview

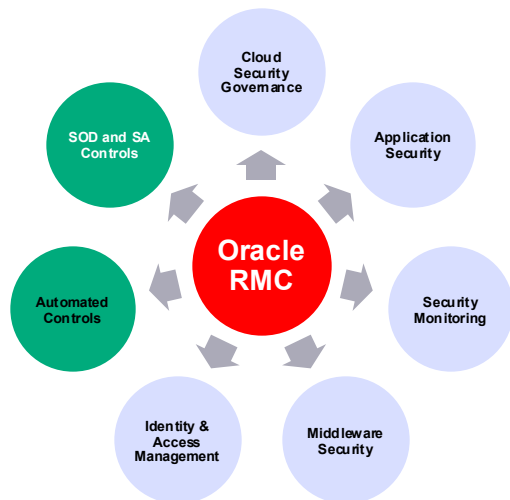
Exelon's Apollo program for Oracle transformation requires a cyber transformation

## Cyber security domains

Cloud Security Governance	Application Security	Security Monitoring	Security Resilience	Data Classification	Data flow, Security and Protection	Regulatory & Data privacy	Secure Software Development	Infrastructure Security	Middleware Security	Identity & Access Management
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## Controls domains

Segregation of Duties & Sensitive Access Controls	Interface Controls	Data Conversion Controls	Automated Controls	Information Technology (IT) Controls	Business Process Controls
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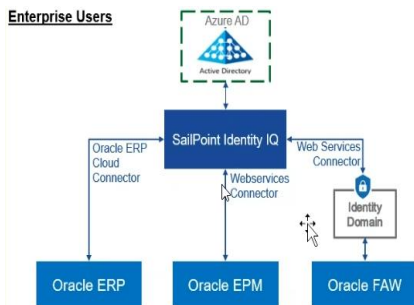
## Key Takeaways:

- ✓ Security for Oracle program needs to follow a layered defense model
- ✓ Mitigate external cyber threats through integrations between Oracle Cloud ERP/RMC with the Enterprise Security solutions such as SSO, MFA, Security monitoring, etc.
- ✓ Monitor insider threat through integrations between Oracle ERP/RMC and Application Security, Audit Enablement, GRC, Privilege account management, etc.
- ✓ Build Compliance and Controls across Business and IT processes during the implementation
- ✓ Retrofitting Security and Compliance after Go-Live for production deployment is challenging
- ✓ Identify and establish Sustainment Organization Governance processes and other GRC tools during the implementation
- ✓ Oracle Risk Management Cloud played a pivotal role in creating a holistic security solution for the implementation

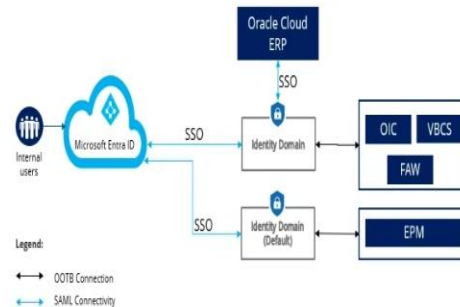
# Architectural Overview

Representative technical architecture of the solution

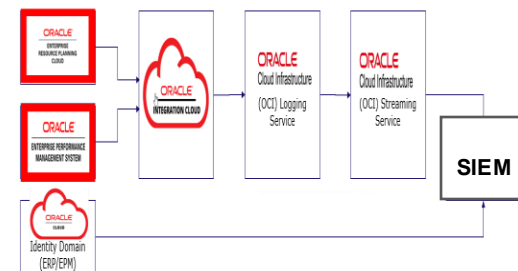
## SailPoint - User Provisioning



## Oracle IAM – SSO/MFA



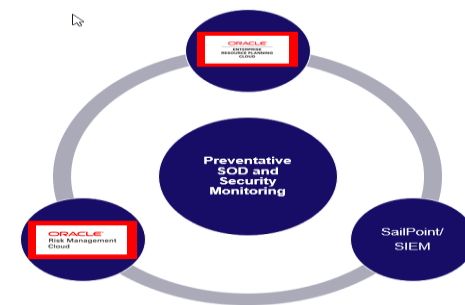
## SIEM - Security Monitoring



## Key Takeaways:

- ✓ Oracle Cloud Infrastructure needs to be integrated with the Enterprise Security and IT solutions
- ✓ Reduce cyber risks through SSO, MFA, and Identity Governance
- ✓ Enable Compliance within the technical stacks through Audit Enablement, GRC, and Security monitoring
- ✓ Improve sustainability for the Oracle program by designing scalable structure, governance processes and operational support model
- ✓ Oracle Risk Management Cloud (RMC) integrates with ERP, Identity Governance Solution and Security Monitoring solution to provide a preventive SOD and cyber threat monitoring solution

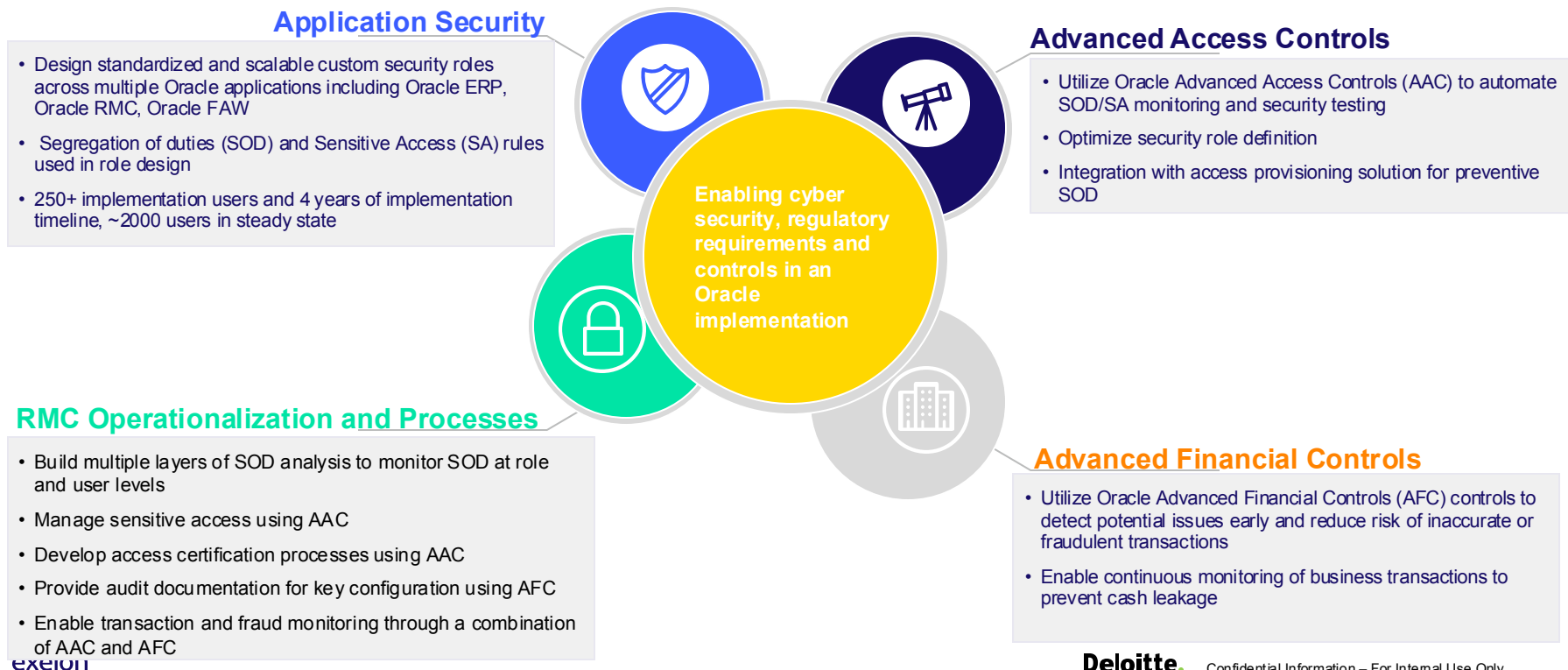
## RMC – AAC/AFC





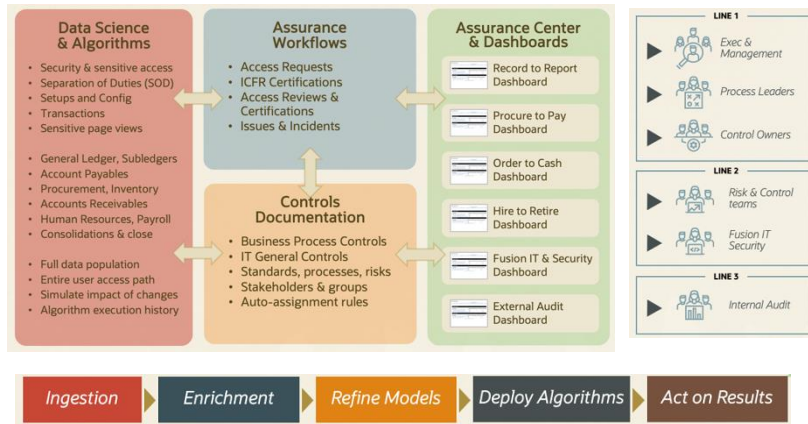
# Solution Overview using Risk Management Cloud (RMC)

Exelon has undertaken a massive financial transformation project with Oracle and Deloitte as the partners



# 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**

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

**Monitor User Access**

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

**Monitor User Activity**

### 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

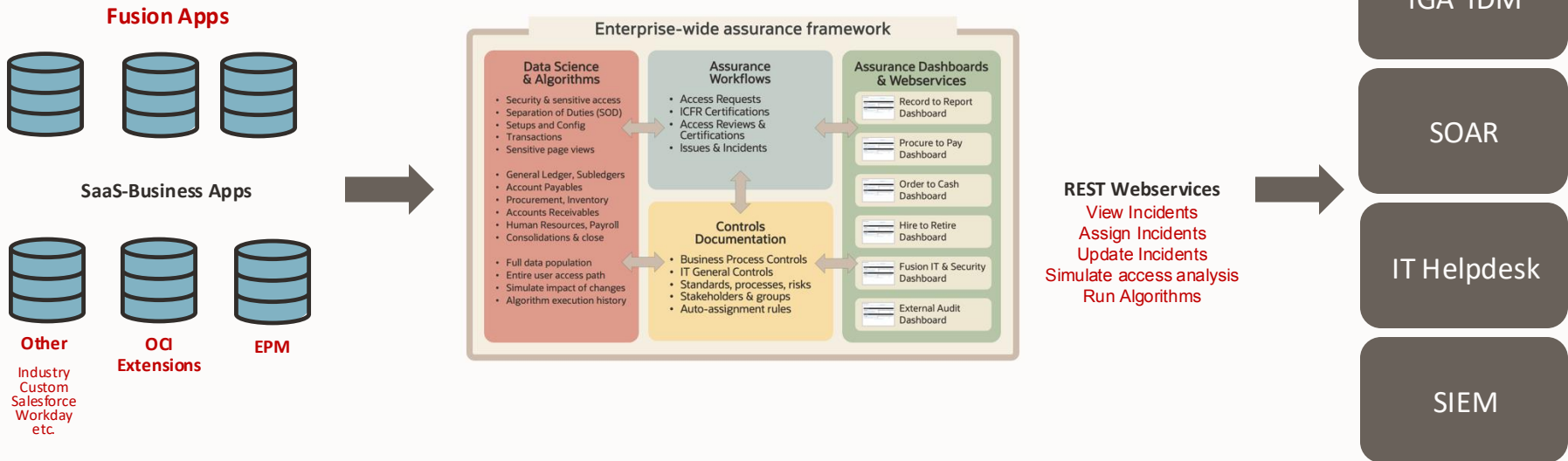
**Manage Internal Controls**

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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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

 Intro to Fusion Risk Management Cloud  




Introduction with Product Demos

## Fusion Risk Management Cloud

Oct 2023

Watch on 

Introduction with Product Demos (19 min)

 Intro to product videos  

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](#)