



**AUTONOMOUS
AI DATABASE**

**LEARNING
LOUNGE**

Autonomous AI Lakehouse

 **Live Demos**

Boost Enterprise AI efficiency on trusted data



Global Edition

Agenda



David
Lapp



Ashish
Jain



Marcos
Arancibia



Michelle
Malcher



Melli
Annamalai

Topics

- **Zero-copy access to data** across Oracle, Iceberg, Obj Stores + more
- **AI Data Catalog** for discovery, semantic enrichment, gov., +
- Medallion-style **data engineering** with Data Transforms
- **Data Science Agent** for guided ML model dev and scoring
- **Deep Data Security**, Data Safe, masking/redaction, policy-based access for users and agents
- **Graph RAG** for advanced customer recommendations
- **Built-in Spatial Studio** for store-location analysis
- **Open data sharing** with third-party tools + Delta Sharing
- AI agents using **Oracle AI Database Private Agent Factory**

Q&A: Product Managers will answer any questions

Before we begin...

This session is for you !!!

Ask your questions using **Q&A**

Product Managers are monitoring your questions

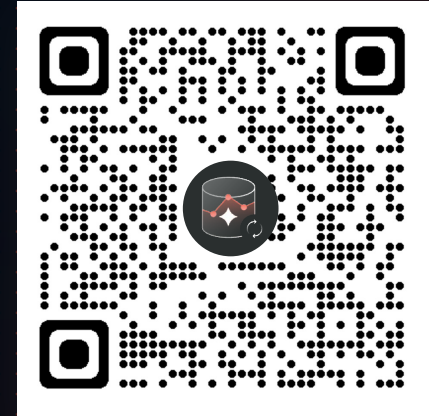
We will share links in **Chat**

The recording will be made available in a few days at:

oracle.com/goto/adb-learning-lounge

Important links to bookmark

Links to get you started and to keep up to date with Autonomous AI Database



1 Get Started with ADB:
oracle.com/autonomous-database/get-started/

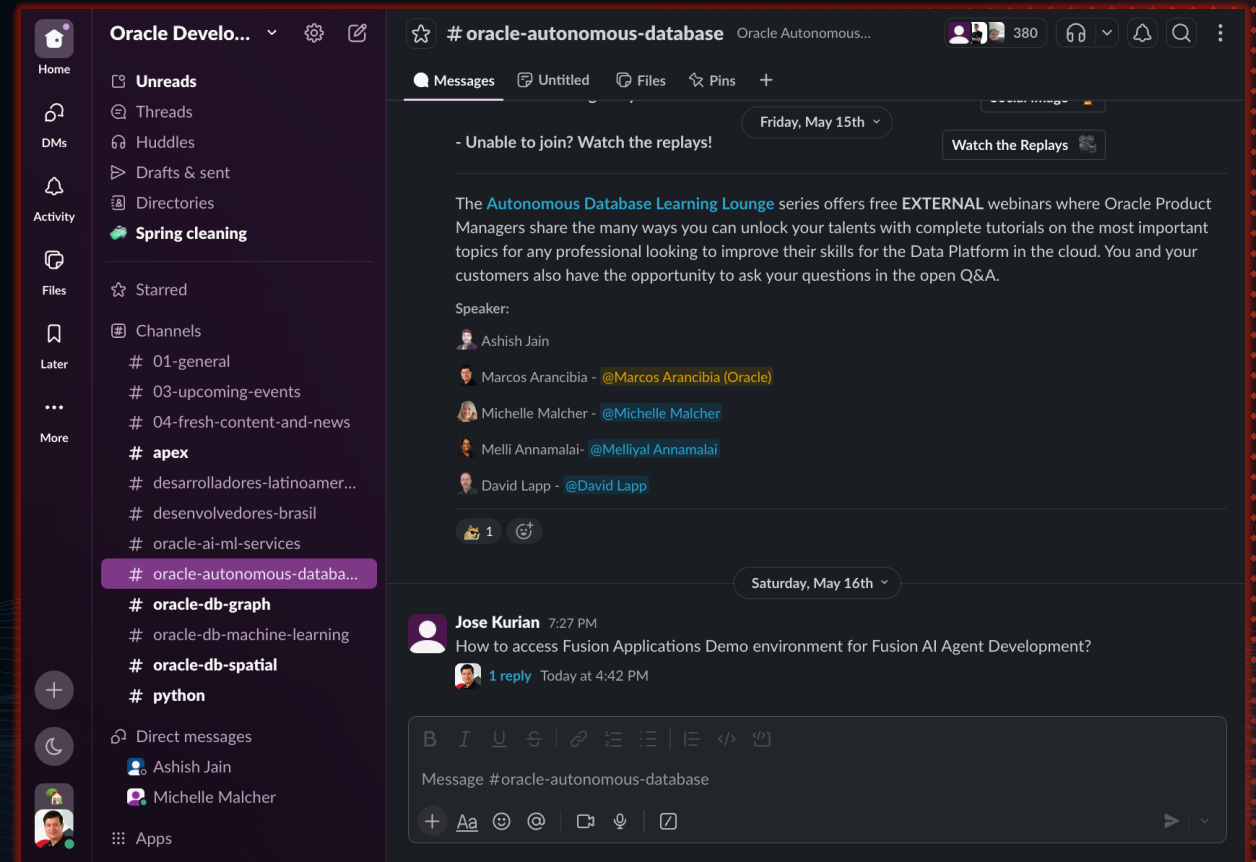
2 Join us: [bit.ly/adb-linkedin-grp](https://www.linkedin.com/company/autonomous-database)  [@AutonomousDW](https://twitter.com/AutonomousDW) 
 [Bluesky
autonomousdb.bsky.social](https://autonomousdb.bsky.social)

3 Got a question?
We are on stackoverflow [bit.ly/adb-stackoverflow](https://stackoverflow.com/questions/tagged/autonomous-database)
Join us on Developers Slack (search #oracle-autonomous-database)
bit.ly/odevrel_slack

Join our External Slack

STEP 1: Join our Slack workspace at:
bit.ly/odevrel_slack

STEP 2: search for [#oracle-autonomous-database](#) at the top and click on the Channel



The screenshot displays a Slack workspace interface. On the left sidebar, the channel list is visible, with [# oracle-autonomous-database](#) highlighted. The main content area shows the channel header for [# oracle-autonomous-database](#) with 380 members. Below the header, there is a message from Jose Kurian dated 7:27 PM, asking "How to access Fusion Applications Demo environment for Fusion AI Agent Development?". The message has 1 reply. The channel also features a pinned message from Ashish Jain titled "The Autonomous Database Learning Lounge series offers free EXTERNAL webinars...". The interface includes standard Slack navigation elements like Home, DMs, Activity, Files, and a search bar.

Speaker



Marcos Arancibia

Lead Principal Product Manager

Autonomous Database

Oracle Autonomous AI Lakehouse

Delivers the best of both worlds – Oracle Database + Open Data Platform

Oracle now brings its **performance, reliability, and AI** to Iceberg with zero data movement

A **complete** Lakehouse platform that is **open** so you can bring the power of Oracle to your existing Lakehouse

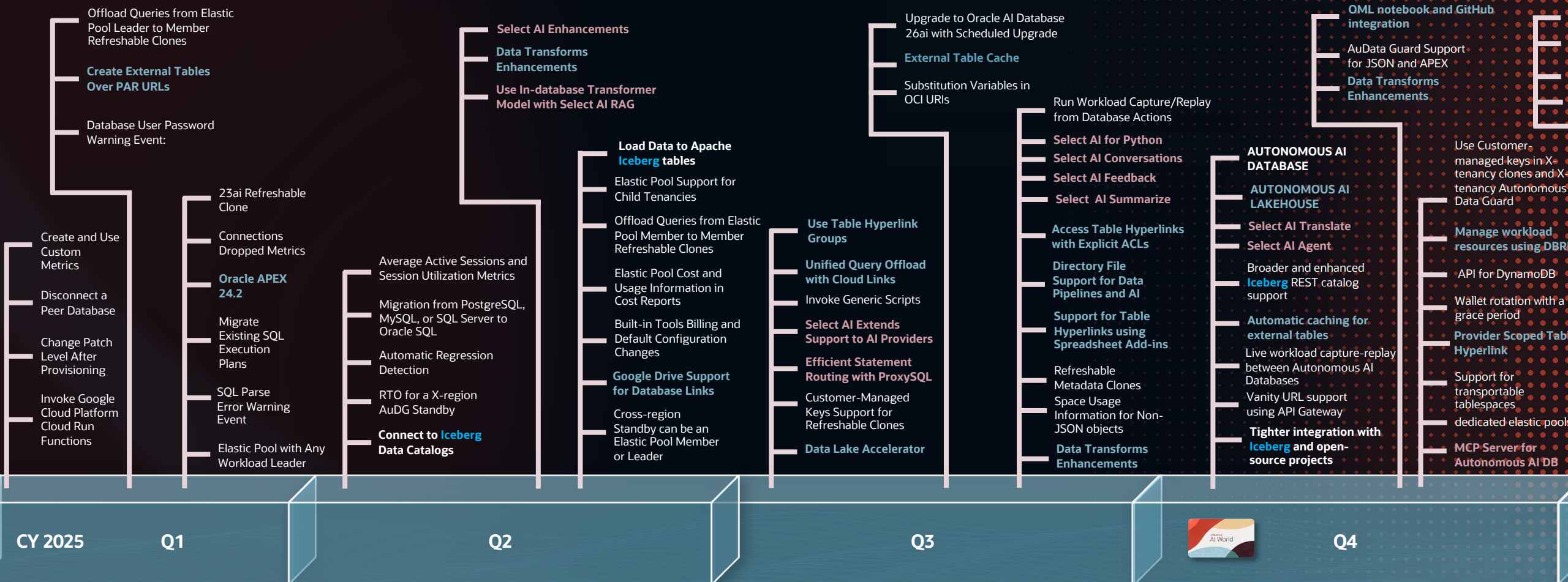
Fully managed, **autonomous operations** eliminate administrative overhead



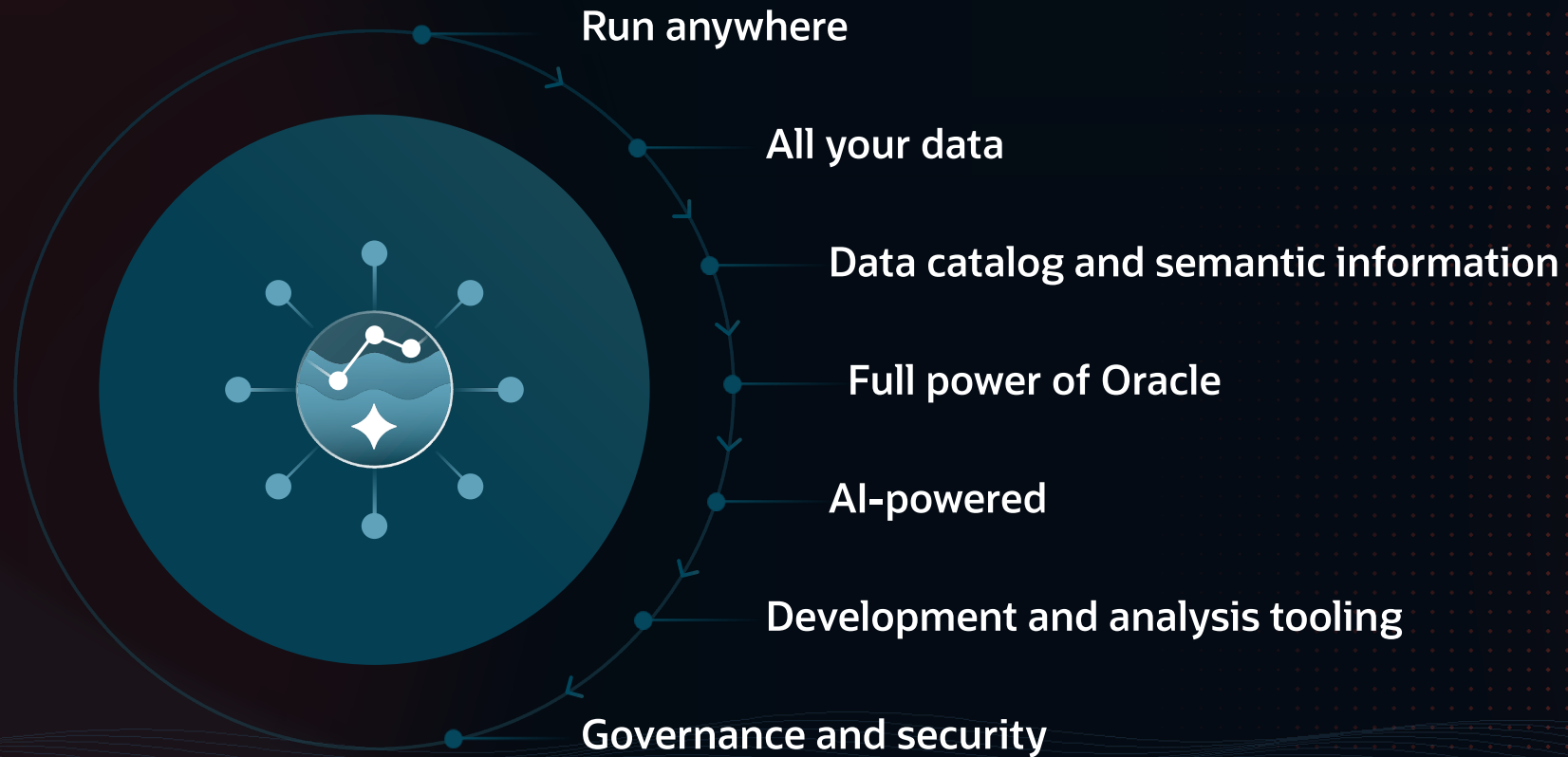
Launched October 2025

Continuous innovation with Autonomous AI Database

- AI-related features
- Lakehouse-related features
- Iceberg-related features



Our Strategy for Autonomous AI Lakehouse



Sample Business Case: PeakGear Sporting Goods

About the company



PeakGear Sporting Goods is a *fictional* fast-growing retailer of sporting equipment, activewear, fitness devices, and outdoor gear, operating across stores, e-commerce, and B2B partnerships.

A few years ago it acquired two of its main competitors.

As channels and data sources have expanded, analytics needs have grown from basic reporting to scalable, secure, enterprise insights.

Challenges

- **Fragmented view of data** due to siloed systems
- **Lack of agility** to onboard new channels and launch new product categories
- **Increased security and compliance requirements** are difficult to implement
- **Unsure how to implement AI** on outdated and fragmented infrastructure

Outcomes

- Unified data architecture provides **easy access to all data**
- Embedded data integration delivers **rapid rollout of new data initiatives**
- Central data catalog enables **enterprise-wide data governance**
- AI-enabled cloud platform powers **rapid AI app development**



Key business personas at PeakGear

DATA DISCOVERY

DATA ENGINEERING

MACHINE LEARNING

ENTERPRISE SECURITY

SPATIAL ANALYTICS



Ashish
Snr Director Data
Architecture
& Governance



Marcos
Senior Director
Marketing



Michelle
Senior
Enterprise
Developer



David
Senior Director
Financial
Operations



Key business personas at PeakGear

GRAPH ANALYTICS

DATA SHARING



Melli

Snr Director
Business
Analytics



Ashish

Snr Director Data
Architecture
& Governance

Speaker

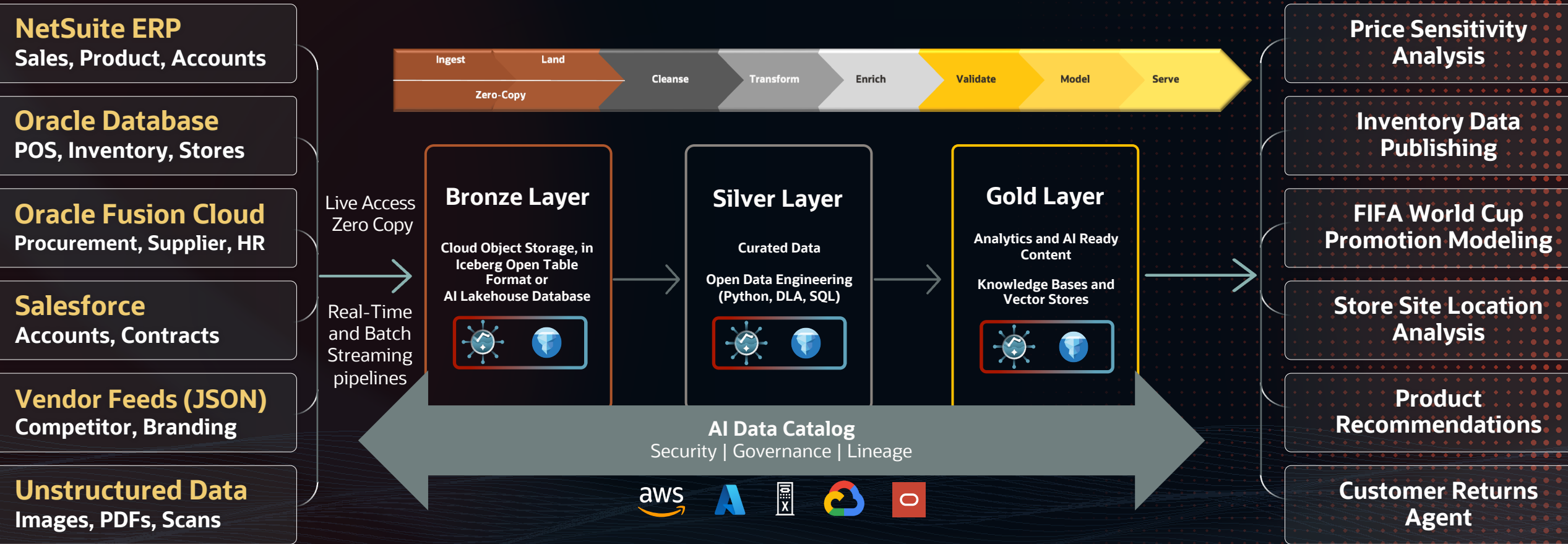


Ashish Jain

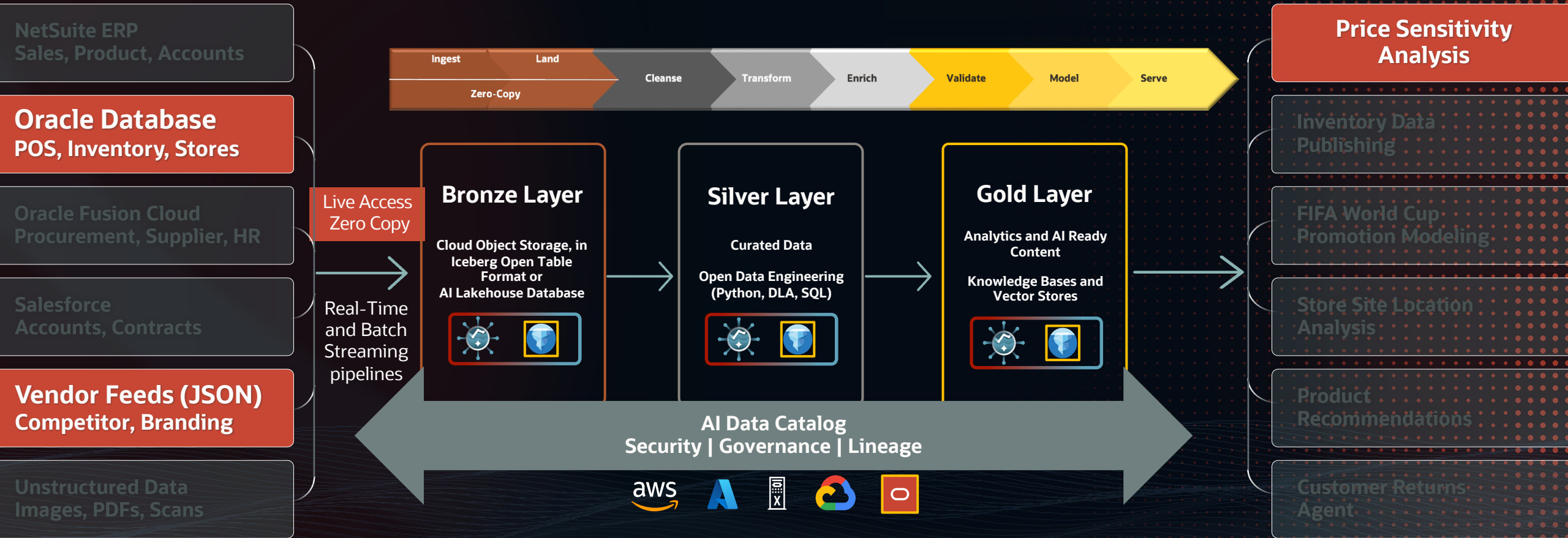
Snr Director Data Architecture
& Governance

PeakGear

Peak Gear's AI Lakehouse Architecture



Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Using AI Data Catalog



Ashish

Snr Director Data
Architecture
& Governance

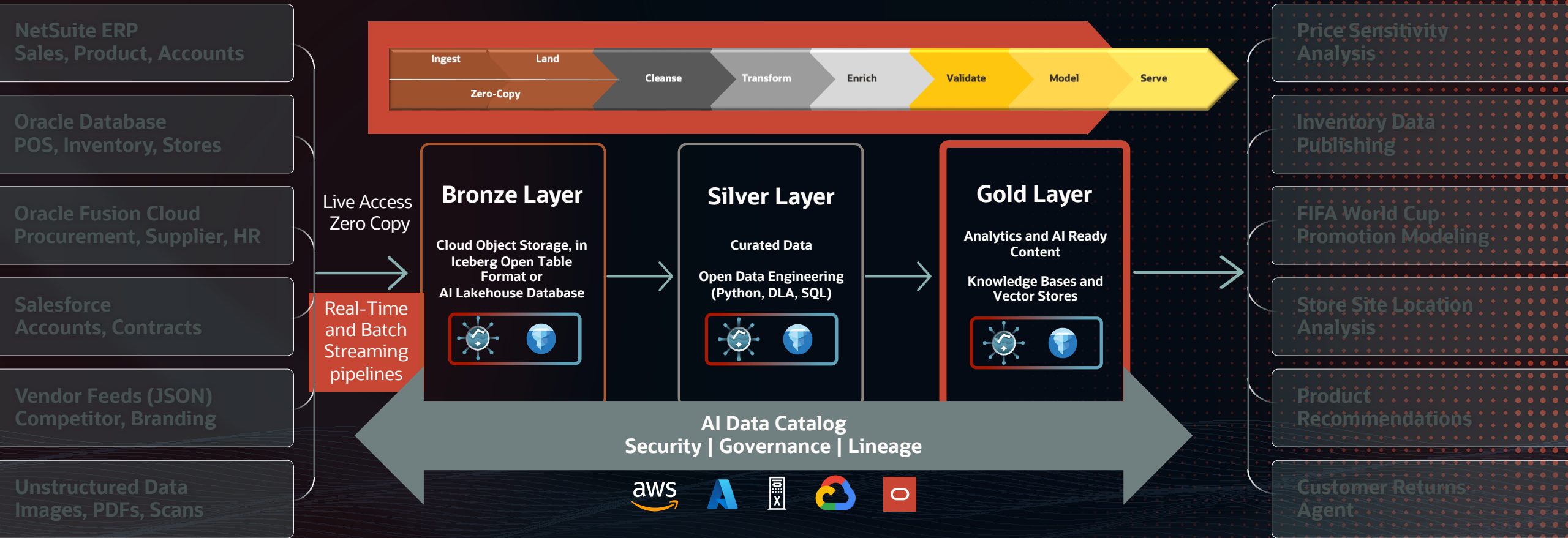
TASKS

- Discover & query data – **Oracle AI Data Catalog**
- Mount 3rd party catalog – **Glue Catalog**

KEY TAKEAWAYS

- **ZERO COPY/ZERO ETL** direct SQL access
- Integration with **MCP Server** and Client (codex)

Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Using Data Transforms



Ashish

Snr Director Data
Architecture
& Governance

TASKS

- Support for Open Table formats
- Ingest raw data into **BRONZE**,
- Transformation & cleansing into **SILVER** and
- Aggregate to **GOLD** as the serving layer.

KEY TAKEAWAYS

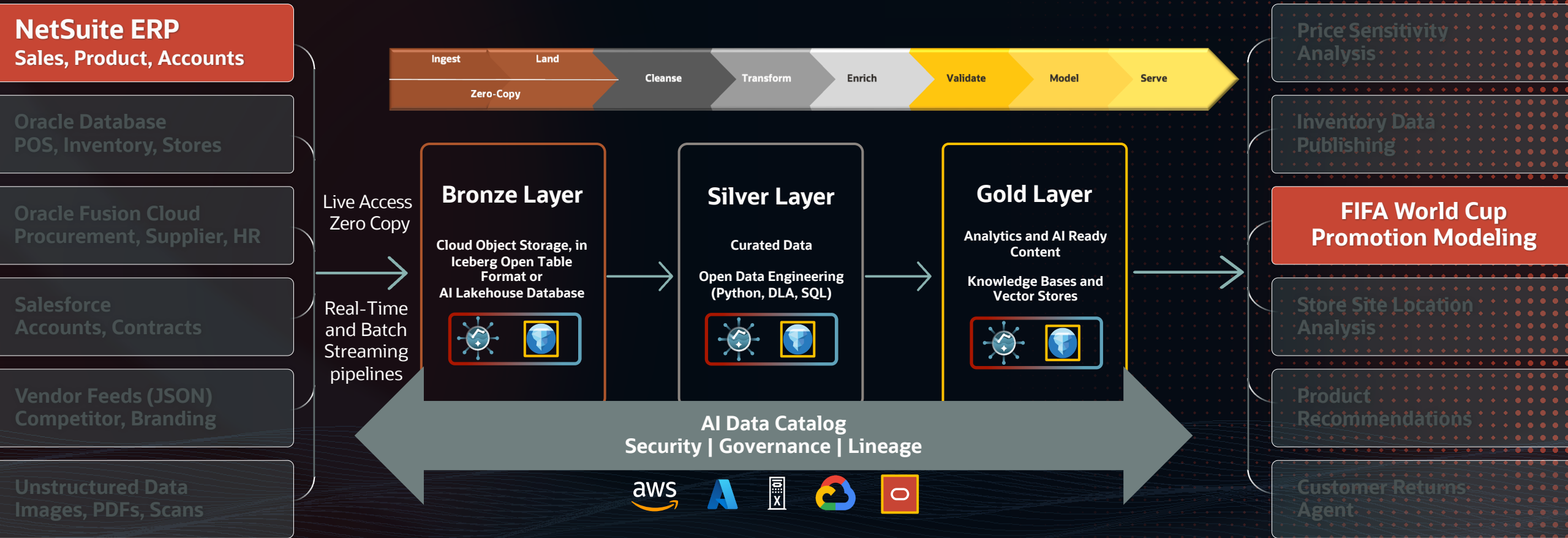
- Built-in, AI-driven comprehensive data transformation service

Speaker



Marcos Arancibia
Snr Director Marketing
PeakGear

Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Using Machine Learning AI Assistant



Marcos
Senior Director
Marketing

TASKS

- Identify customers most likely to respond to FIFA World Cup promotional campaign

KEY TAKEAWAYS

- Data Science Agent brings **fully guided model development** to non-technical users

Speaker

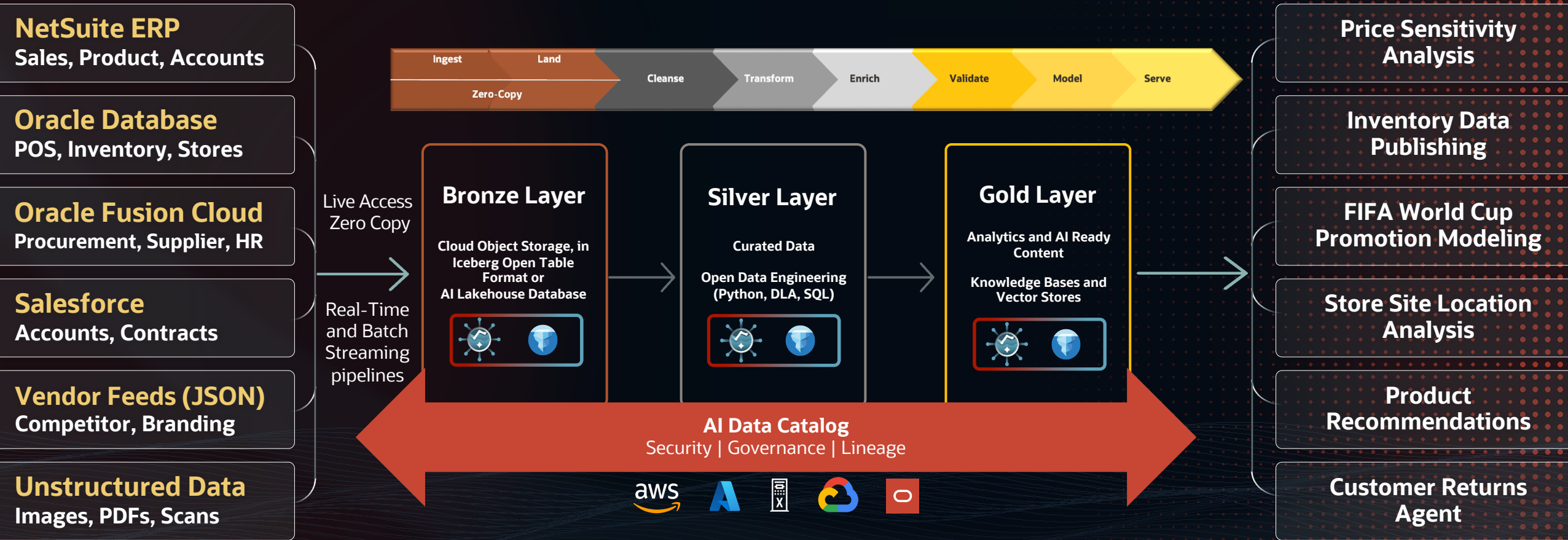


Michelle Malcher

Snr Director Enterprise
Development

PeakGear

Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Delivering Enterprise Data Security



Michelle
Senior Director
Enterprise Developer

TASKS

- Ensure data **security policies** apply across multiple AI agents

KEY TAKEAWAYS

- Built-in security manages **data access** by roles for any user: developers, agents, customers....
- Automated **masking** and **redaction** policies
- AI and users only see permitted data

Speaker

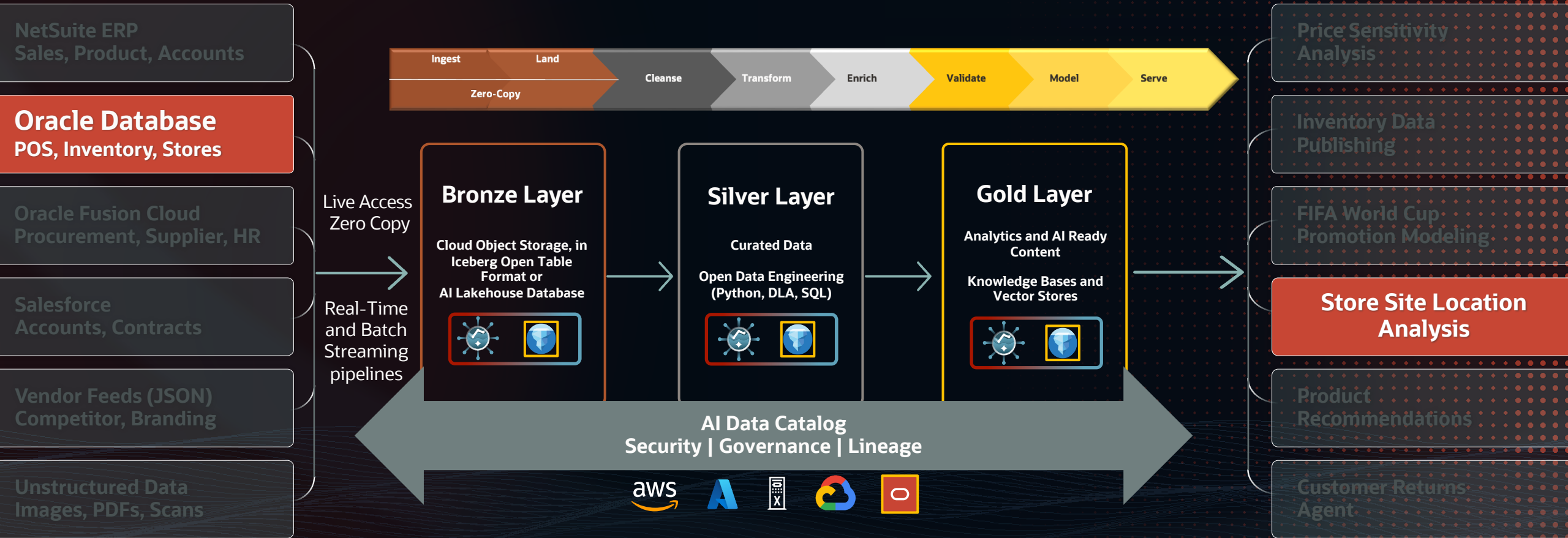


David Lapp

Snr Director Financial Operations

PeakGear

Peak Gear's AI Lakehouse Architecture



Peak Gear Demo

Using Spatial Studio and SELECT AI AGENT



David
Senior Director
Financial Operations

TASKS

- Evaluate existing and potential store locations

KEY TAKEAWAYS

- Spatial Studio simplifies **geospatial** analysis of data from the catalog
- Built-in spatial and Gen-AI capabilities enable agents with **geospatial intelligence**

Speaker

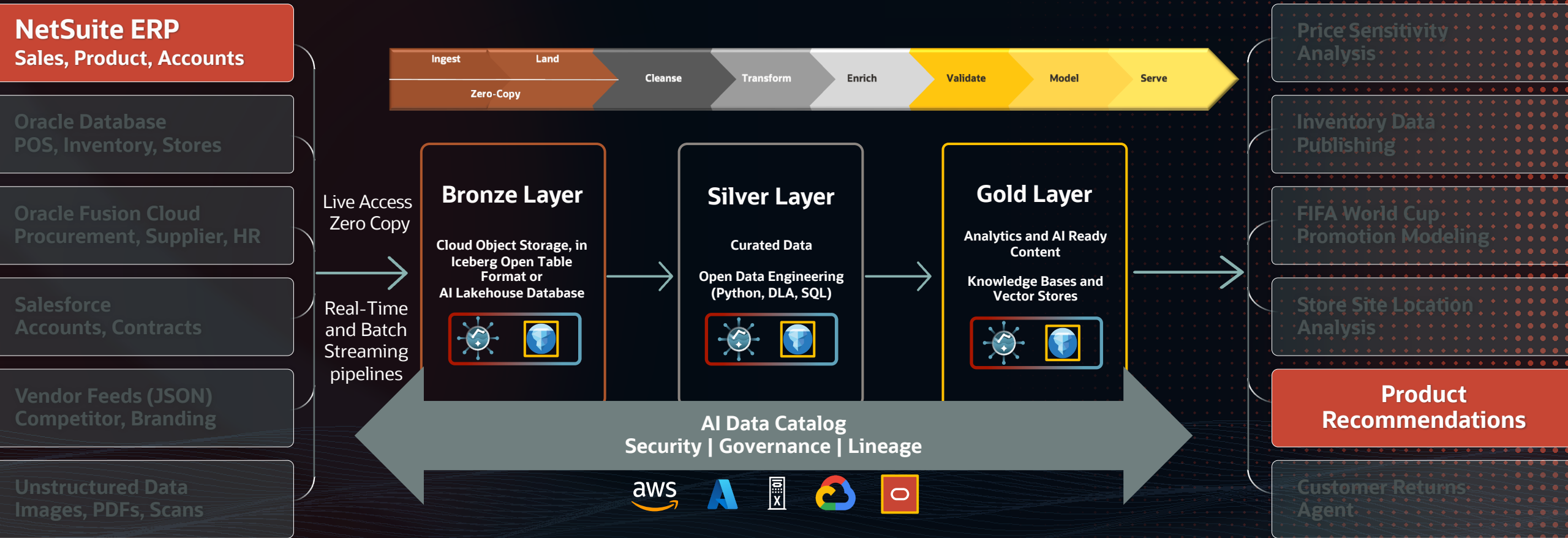


Melli Annamalai

Snr Director Business
Analytics

PeakGear

Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Combining Property Graphs & Vectors



Melli
Senior Director
Business Analytics

TASKS

- Product recommendation: Use customer **buying patterns** for more precise recommendations

KEY TAKEAWAYS

- Graph analytics are available within the same database instance.
- Use genAI to create a graph
- GraphRAG query provides smarter recommendations

Speaker

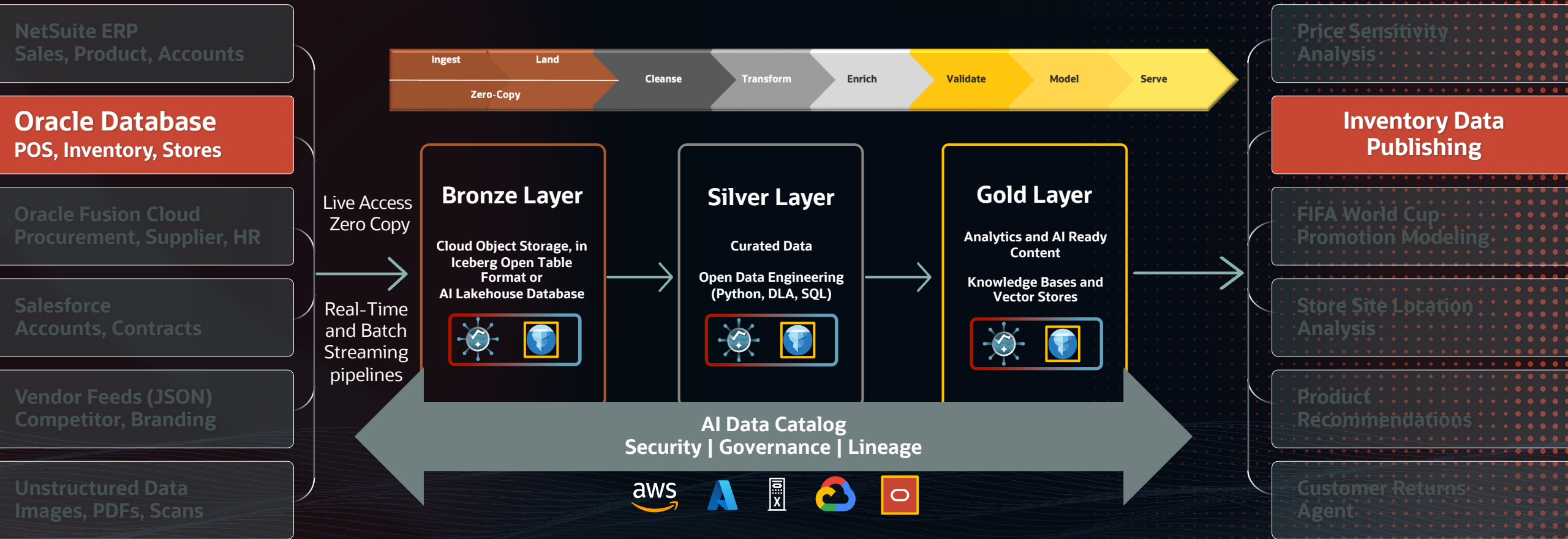


Ashish Jain

Snr Director Data Architecture
& Governance

PeakGear

Peak Gear's AI Lakehouse Architecture



PeakGear Demo

Data Sharing With Other Tools



Ashish
Snr Director Data
Architecture
& Governance

TASKS

- Open Delta Sharing producer and consumer
- Live sharing of AI Lakehouse data

KEY TAKEAWAYS

- Support for **Open Delta Sharing** with consumption on different data visualization tools (**Power BI**)

Summary

Oracle Autonomous AI Lakehouse

Delivers the best of both worlds – Oracle Database + Open Data Platform

Oracle now brings its **performance, reliability, and AI** to Iceberg with zero data movement

A **complete** Lakehouse platform that is **open** so you can bring the power of Oracle to your existing Lakehouse

Fully managed, **autonomous operations** eliminate administrative overhead



Launched October 2025

Differentiators: Oracle Autonomous AI Lakehouse

BRING AI TO ALL YOUR DATA

Use natural language, pre-built smart agents, build your own smart agents,



ANY DATA ANY LOCATION

All common file formats, all cloud object storage vendors



ZERO DATA MOVEMENT

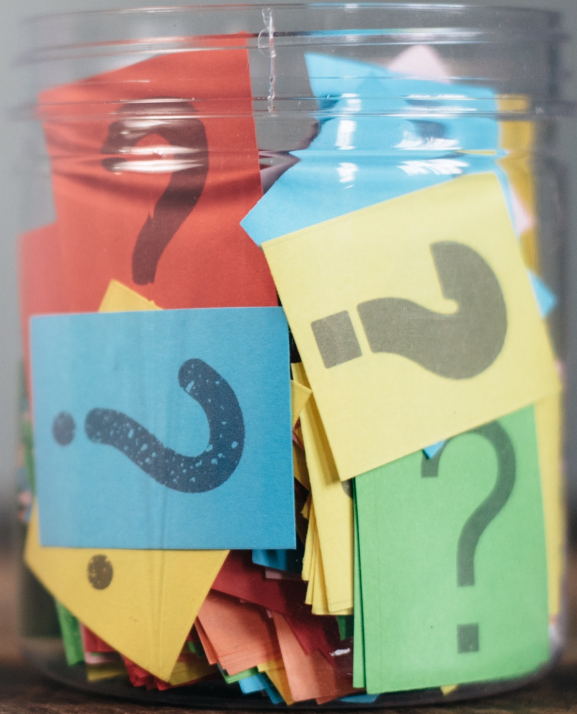
Simple, consistent view of data throughout the cloud and on-premise



SECURE, HIGH-PERFORMANCE QUERIES

Deep data security, built-in transparent optimizations for scalable query performance

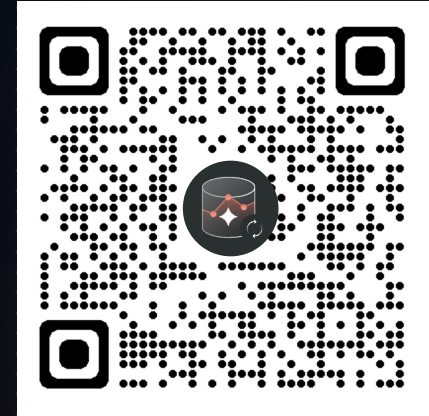




Q&A is Open

Important links to bookmark

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1 Get Started with ADB:
oracle.com/autonomous-database/get-started/

2 Join us: [bit.ly/adb-linkedin-grp](https://www.linkedin.com/company/autonomous-database)  [@AutonomousDW](https://twitter.com/AutonomousDW) 
 **Bluesky**
autonomousdb.bsky.social

3 Got a question?
We are on stackoverflow [bit.ly/adb-stackoverflow](https://stackoverflow.com/questions/tagged/autonomous-database)
Join us on Developers Slack (search #oracle-autonomous-database)
bit.ly/odevrel_slack

Final Thoughts

oracle.com/goto/adb-learning-lounge

The screenshot shows the Oracle Autonomous AI Database Learning Lounge website. The page title is "Autonomous AI Database Learning Lounge". Below the title, there is a description of the series and a link to "Get Started with Autonomous AI Database". There are also links for other languages: Spanish and Portuguese. The page is divided into sections: "Upcoming" and "Replays".

Links (indicated by a red arrow pointing to the "Get Started with Autonomous AI Database" link)

Upcoming (indicated by a red arrow pointing to the "Get started with the Select AI Agent Framework and Pre-built AI Agents" session)

Replays (indicated by a red arrow pointing to the "Introducing Oracle Autonomous AI Database MCP Server" replay)

Session Title	Speaker(s)	Date	Duration	Views
Get started with the Select AI Agent Framework and Pre-built AI Agents	Marcos Arancibia, Mark Hornick	09 April 2026 09:00 AM America/Los_Angeles	1 Hour	Seats Available
Introducing Oracle Autonomous AI Database MCP Server	Marcos Arancibia, Mark Hornick	January 08, 2026	62.6 Mins	1833
AI World'25 Announcements! Meet the new Autonomous AI Database features	Marcos Arancibia, Keith Laker, Michelle Malcher	October 30, 2025	54.68 Mins	378
Oracle Autonomous Database – under the hood of a Modern Data Platform	Marcos Arancibia, Debasis Sinha	September 09, 2025	44.73 Mins	492
Innovate in your favorite Dev languages – Top 10 ADB features and demos	Marcos Arancibia, German Viscuso, Paul Parkinson	July 15, 2025	58.23 Mins	344
Vibe Data Engineering: Months to Minutes with ADB and Select AI	Marcos Arancibia, Javier De La Torre Medina	June 10, 2025	42.68 Mins	549
Build Apps through natural language with AI and APEX GenDev	Marcos Arancibia, Jayson Hanes	June 03, 2025	61.32 Mins	1690
Build CI/CD pipelines with Autonomous Database and Oracle SQLcl Project	Marcos Arancibia, Barry McGillin, Jeff Smith	May 20, 2025	61.15 Mins	2065
Data streaming with Kafka made simple: Transactional Event Queues in ADB	Marcos Arancibia, Anders Swanson, Ben Kocabasoglu, Nithin Thekkupadam Narayanan	May 06, 2025	51.97 Mins	441



Thank you for joining !!!

*AUTONOMOUS
AI DATABASE*

**LEARNING
LOUNGE**

ORACLE