ORACLE
Data Deep Dive

# Agenda

25 March 2026 | Excel London

# Oracle Data Deep Dive Overview

Oracle Data Deep Dive takes place on the second day of the AI World Tour. This document provides a catalog of sessions and hands on experience topics that you will be able to select from once your registration is approved. You will work directly with Oracle AI Database features that bring AI to the data to reduce latency and complexity across multi-cloud and on-premises.

The Developer Workshop track teaches foundational concepts for building AI applications using the database's integrated AI features. You will learn how vector search works inside the database, how to design effective retrieval and context pipelines, and how to use agent patterns that persist memory and apply business rules. Hands on labs guide you through data ingestion, indexing, retrieval, and response generation so you can turn prototypes into production ready solutions.

Oracle experts and peers will share best practices, reference architectures, deployment patterns, and performance techniques. Learn how to run workloads where they fit best using Oracle's distributed cloud model on-premises, in OCI, or across other hyperscalers while maintaining consistency, cost efficiency, and compliance. You will walk away with patterns you can apply immediately.

How to register: RSVP for "Oracle Data Deep Dive" in your AI World Tour London registration to secure your seat.
[Click here to Register](#)

# London Data Deep Dive Agenda

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| 9:00AM– 9:45AM | Keynote: The Future of Data and AI | | | |
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| 9:45AM-10:15AM | Ask Me Anything (Q&A) | | | |
| 10:15AM-11:00AM | Scale Mission-Critical Agentic AI with Oracle AI Database, Built for Business Data | | | |
| 11:00AM-11:15AM | Break | | | |
| | Track 1: Learning Sessions | Track 2: Developer Workshop | Track 3: HOLs | Track 4: HOLs |
| 11:15AM–12:00PM | Globally Distributed Database for Agentic AI: Always On, Auto Scaling | Data fundamentals for AI application development | The Private Agent Factory: Turn Data into Action | From Compliance to Confidence: Supercharging Database Security with Oracle Data Safe |
| 12:00PM–12:45PM | From Data Chaos to Clarity: Multicloud Analytics and Lakehouses made Simple | | | |
| 12:45PM–1:30PM | Lunch Break | | | |
| 1:30PM–2:15PM | Build Modern Multicloud Applications with Oracle AI Database and Your Chosen Hyperscaler | Building RAG and Agentic applications | Turn Forgetful AI into Consistent Decision-Making Agents Using Oracle AI Database | The Autonomous AI Lakehouse Data Engineer: The Superhero Enabling Generative AI |
| 2:15PM–3:00PM | AI Vector Search: Under the Hood | | | |
| 3:00PM–3:30PM | Break | | | |
| 3:30PM–4:15PM | Uncompromising Security for your multi-cloud Database | Practical guide to Agent Memory, Context, and Memory Engineering | Build an Innovative Q&A Interface Powered by Generative AI with Oracle APEX | Best Practices to Upgrade to Oracle AI Database 26ai |
| 4:15PM-5:00PM | GoldenGate 26ai Everywhere: Real-time Multicloud Streaming for AI | | | |
| 5:00PM-6:00PM | Networking Reception | | | |

■ Keynote    ■ Breakouts    ■ Hands On Lab    ■ Developer Workshop - Hands On    ■ Ask Anything    ■ Breaks

# The Future of Data and AI

Join Juan Loaiza and Hasan Rizvi to explore game-changing Oracle AI Database innovations that redefine what's possible in the AI-age. Experience AI designed for data, natively architecting AI into your data everywhere without complex data movements. Learn about native vector search, LLM integration, in-database agents, Generative Development, and more. See how you can end data chaos, breaking down silos and boosting agility with a single unified environment for all major workloads and data types, available across public clouds and on-premises. Discover how to end data risk with a multi-layer defense designed to address new AI-era and emerging quantum threats. Then wrap up with a 30-min live "Ask me anything" session with Juan and Hasan!

**Juan Loaiza**
Executive Vice President
Oracle Database Technologies

**Hasan Rizvi**
Executive Vice President
Oracle Database Engineering

# Track 1 | Learning Sessions

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| **Scale Mission-Critical Agentic AI with Oracle AI Database, Built for Business Data** | Join a deep dive into how Oracle AI Database accelerates and scales agentic AI by embedding AI directly into a secure, high-performance data foundation. See how to build, deploy, and govern agents with unified access to relational, JSON, vector, graph, and text data across clouds. Explore Autonomous AI Vector Database, Select AI, and Private Agent Factory for rapid, no-code agent creation. Discover agentic NL2SQL, RAG, and semantic modelling for faster, more accurate answers. Understand how Deep Data Security enforces least-privilege access, and how open standards like Apache Iceberg and MCP prevent lock-in. Run anywhere. |
| Globally Distributed Database for Agentic AI: Always On, Auto Scaling | Discover how a globally distributed database with built-in Raft replication powers always-on agentic AI across zones, regions, countries, and clouds. As thousands of agents reason, run vector search, and execute transactions, the data platform must scale elastically without sacrificing consistency or availability. Learn how organizations hitting millions of TPS support unpredictable agentic workloads, low-latency vector search on distributed data, and petabyte scale with sovereignty and compliance. See how Oracle's Globally Distributed Autonomous AI Database delivers strong consistency, full SQL, and unified support for structured, unstructured, vector, and generative data. |
| From Data Chaos to Clarity: Multicloud Analytics and Lakehouses made Simple | Organizations face scattered data across clouds, databases, and files like PDFs, slides, and docs. This session shows how Oracle Autonomous AI Database simplifies multicloud analytics and lakehouse workloads with built-in data integration, AI NL2SQL, and RAG. Learn how to access and analyze data from AWS data lakes, Google Cloud knowledge bases, and Azure SQL databases on one platform. We will also cover flexible deployment on Azure, Google Cloud, or OCI for a faster path from data chaos to clarity. |
| Build Modern Multicloud Applications with Oracle AI Database and Your Chosen Hyperscaler | In today's multi-cloud environment, simplicity is key for developers and administrators. This session shows how to build and operationalize AI-powered modern applications with Oracle AI Database across on-premises, Oracle Cloud, Azure, Google Cloud, and AWS. Learn how to integrate vectors, and business data to power RAG and NL2SQL patterns with enterprise grade best practices. We will cover how to pair data in Oracle AI Database, and AI services with your AI stack of choice in each hyperscaler, so teams can use native AI runtimes, models, and services where they run today while keeping governance and data gravity in Oracle. |
| AI Vector Search: Under the Hood | Discover how Oracle AI Database 26ai streamlines AI app development with built-in AI Vector Search. Learn about the new vector data type, approximate indexes, enhanced SQL, and performance optimizations that make integration fast and seamless. See how vectors power Large Language Models via RAG and Agentic RAG, using your business context for advanced solutions. Learn how Vector Search works with core enterprise features like transactions, RAC, Exadata, security, partitioning, and sharding. See how Oracle delivers scalable, enterprise-grade AI search for real-world needs. |
| Uncompromising Security for your multi-cloud Database | Maintain full control of your data by leverageing the built-in automation, controls, and security features of Oracle Database services in partner clouds. Join this session to discover how Oracle Database Security delivers 360-degree visibility and enforces robust controls at the source to prevent unauthorized access. Oracle provides comprehensive security at enterprise scale for your entire database fleet, no matter where they reside. Learn how Oracle AI Database 26ai offers multi-layered, real-time defense and quantum-resistant encryption, delivering a comprehensive framework to secure organizations against Agentic AI-powered attacks. |
| GoldenGate 26ai Everywhere: Real-time Multicloud Streaming for AI | Discover how Oracle GoldenGate 26ai enables real-time data replication and streaming across Oracle Cloud Infrastructure, Azure and Google Cloud. Explore architecture patterns that focus on real-time AI use cases for Agentic, RAG and GraphRAG use casese. Learn to deploy GoldenGate in hybrid and multicloud environments, optimize latency and scale, and integrate with native services like AI Data Platform, AI Lakehouse, BigQuery and Microsoft Fabric. Plus, get an exclusive preview of upcoming features including enhanced automation, observability, and deeper cloud-native integration - making multicloud smarter than ever. |

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| **Data fundamentals for AI application development** | This workshop introduces the data modeling and database concepts that underpin modern AI applications, with specific attention to Unified Modeling Theory (UMT), vector data, understanding similarity metrics, vector search, and more. The hands-on labs tie these concepts directly to higher-level patterns such as Retrieval-Augmented Generation (RAG) and agentic systems, making the session ideal for developers building production-ready applications. |
| **Building RAG and Agentic applications** | Building on the first session, this workshop focuses on implementing a production-style RAG pipeline and evolving it into an agentic application. Using LangChain and Python, developers work through hands-on labs covering data ingestion, vector search, retrieval, and response generation, then extend into agent workflows, all backed by Oracle AI Database as the system of record and memory core. All implementation is done in Python, giving you practical, runnable code throughout. The emphasis is on practical patterns you'll actually use. |
| **Practical guide to Agent Memory, Context, and Memory Engineering** | Building on the previous session, this hands-on workshop shows how to implement agent memory as a first-class capability end to end on Oracle AI Database. Explore episodic, semantic, and procedural memory architectures. With LangChain and Python, you will build agents with persistent state, cross-session recall, and reusable patterns that improve over time. Learn context engineering techniques such as offloading and compaction, plus memory engineering for retrieval and indexing. See how memory fits into the agent loop from ingestion and recall to reasoning and action, with runnable Python code and production-ready patterns. |

# Track 3 | Hands-on Labs

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| **The Private Agent Factory: Turn Data into Action** | Discover the Private Agent Factory, a no-code agentic AI platform for Oracle AI Database users to rapidly build and deploy secure, scalable AI agents. In this hands-on lab, use prebuilt agents for unstructured and structured data, start from templates, and leverage MCP servers, LLMs, RAG, vector search, and more. Learn to bootstrap agents, configure agentic flows, and customize them with an intuitive builder canvas. Focus on private data, safety, and security. Get productive in 90 minutes and leave ready to deploy the factory in your own environment. |
| **Turn Forgetful AI into Consistent Decision-Making Agents Using Oracle AI Database** | Most AI assistants forget everything once a conversation ends. Real businesses cannot afford that. In this hands-on lab, you will follow Seer Equity as it uses AI to support loan approvals. You will see what breaks when AI cannot remember prior decisions, customer context, or internal policies, leading to inconsistent outcomes and lost trust. Through guided exercises, you will turn a forgetful assistant into a reliable agent running in the database that remembers what matters, applies business rules consistently, and knows when to act. You will get hands-on with Oracle AI Database and Select AI Agent, focusing on concepts and outcomes rather than code. |
| **Build an Innovative Q&A Interface Powered by Generative AI with Oracle APEX** | From precisely summarizing intricate data to crafting context-aware responses, Generative AI stands at the forefront of a technological shift, promising to redefine how we navigate and leverage knowledge in our day-to-day interactions. Enabling your APEX applications with generative AI capabilities has never been easier.<br>In this workshop, you learn how to bring generative AI capabilities based on large language models (LLMs) to your applications built using Oracle APEX, your favourite low-code Platform. The Generative AI service can be accessed through REST APIs, and by using the powerful REST Data Source capabilities of APEX, you can effortlessly incorporate this advanced technology into your applications using a low-code approach. |

# Track 4 | Hands-on Labs

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| **From Compliance to Confidence: Supercharging Database Security with Oracle Data Safe** | Seven years of audit retention. Developers need realistic test data. New releases to validate. Orphaned accounts to clean up. You are not alone. Oracle Data Safe is a cloud-native service that turns these security chores into an integrated control center for your Oracle Databases. Assess configurations for drift, discover and mask sensitive data for non-production, continuously monitor user activity, and centralize audit retention at scale. This session covers real scenarios to prepare compliant datasets, detect risky privileges, prove audit readiness, and help teams reduce risk while accelerating delivery. You will leave with actionable patterns and a clear path to security confidence. |
| **Best Practices to Upgrade to Oracle AI Database 26ai** | Oracle AI Database 26ai is available on-prem finally. Now is the time to start your upgrade testing. With AutoUpgrade and refreshable clone PDBs, you can significantly reduce downtime and streamline the upgrade process. Learn from our real world customer examples as we are going to demonstrate how to upgrade to Oracle AI Database 26ai with minimal disruption, covering key pre- and post-upgrade best practices for a smooth and efficient transition. Don't miss this opportunity to optimize your upgrade strategy and maximize database availability. |
| **The Autonomous AI Lakehouse Data Engineer: The Superhero Enabling Generative AI** | AI's impact depends on trusted data. Explore how Oracle Autonomous AI Lakehouse data engineers deliver reliable data from lakes and multi-cloud sources. In this hands-on lab, use Data Studio, an intuitive embedded toolset, to integrate, transform, and share data efficiently, enabling AI models to use high-quality data for better insights. By the end, you will integrate internal and external sources, create and publish data products, and securely share insights across teams without duplication or delay. Gain practical skills to design scalable data workflows that drive collaboration and innovation in finance. |