

ORACLE
Data Deep Dive

Agenda

10 April, 2026 (Friday) | Jacob K. Javits Convention
Center

New York City

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 New York City registration to secure your seat. [Click here to Register](#)

New York City Data Deep Dive Agenda

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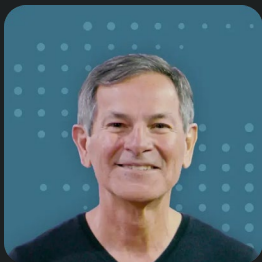
8:30AM – 9:30AM	Registration, Breakfast and Networking			
9:30AM– 10:15AM	Keynote: The Future of Data and AI			
10:15AM-10:30AM	Ask Me Anything (Q&A)			
10:30AM-11:15AM	Scale Mission-Critical Agentic AI with Oracle AI Database, Built for Business Data			
11:15AM-11:30AM	Break			
	Track 1: Learning Sessions (Room 406.1)	Track 2: Developer Workshop (Room 408)	Track 3: HOLs (Room 410)	Track 4: HOLs (Room 412)
11:30AM–12:15PM	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
12:15PM–1:00PM	Build Modern Multicloud Applications with Oracle AI Database and Your Chosen Hyperscaler			
1:00PM–1:45PM	Lunch Break			
1:45PM–2:30PM	Uncompromising Security for your Multicloud Database	Building RAG and Agentic applications	Build Always-On, High-Performance Applications with Globally Distributed Database and True Cache	The Autonomous AI Lakehouse Data Engineer: The Superhero Enabling Generative AI
2:30PM–3:15PM	Stock-Exchange Resilience for Mission-Critical Data			
3:15PM–3:30PM	Break			
3:30PM–4:15PM	From Data Chaos to Clarity: Multicloud Analytics and Lakehouses made Simple	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	Close			



Keynote

The Future of Data and AI

Join Juan Loaiza 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 15-min live "Ask me anything" session with Juan!



Juan Loaiza

Executive Vice President

Oracle Database Technologies

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.

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.

Uncompromising Security for your multi-cloud Database

Maintain full control of your data by leveraging 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.

Stock-Exchange Resilience for Mission-Critical Data

Join this session to see how Oracle AI Database keeps trading, analytics, and AI agents online through outages, attacks, and human error, delivering diamond-grade availability and end-to-end security. Learn how multicloud architectures with Exadata, RAC, and Active Data Guard achieve sub-30-second recovery, up to 10x faster OLTP resume, and linear vector search scaling for real-time AI. We'll also cover Deep Data Security, post-quantum cryptography, and Zero Data Loss protection, hardening financial operations, streamlining compliance, and safeguarding diverse data at global scale.

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.

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 cases. 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.

Data fundamentals for AI application development

This workshop introduces data and database concepts that underpin modern AI applications, and why they matter. We pay particular attention to the convergence of JSON, graph, time series, and vector data, alongside an intro to similarity functions, vector search, and more. The hands-on labs tie these concepts directly to higher-level patterns in later workshops, such as Retrieval-Augmented Generation (RAG) and agentic systems, making this 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

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.

Build Always-On, High-Performance Applications with Globally Distributed Database and True Cache

In this hands-on lab, deploy Oracle Globally Distributed Database with built-in Raft replication to achieve high availability, and zero data loss with multi-data center, multi-region architecture while providing linear horizontal scalability. Then accelerate application without any changes by using Oracle True Cache, which is an in-memory, consistent, self-refreshing, automatically managed SQL and object cache.

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. 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.

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.

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.