

Modernizing Data Management

Autonomous Data Management: The Way Forward

Data is the world's most valuable resource. It's the enduring asset at the center of every company's digital strategy. But when firms pursue digital transformation, the data underpinning their applications, analytics, and algorithms stretches across public cloud, local cloud, and on-premises environments. In this new reality, how can companies accelerate data-driven innovation, while still maintaining airtight security against ever-evolving attacks? To find out, come join us for a session on Oracle's vision for Autonomous Data Management and learn about organizations already putting it into practice.

Under the Hood with the Oracle Autonomous Database

What does "autonomous" really mean, and what makes a database autonomous? If you're looking for the answers to these questions, this is the session for you. Take a peek under the hood of Oracle Autonomous Database and get a clear understanding of how this unique autonomous database works. We'll share our exclusive combination of database features, best practices, and machine-learning algorithms that make up this family of cloud services. We'll use live demos to show you how it can simplify your approach to data management and accelerate your transition to the cloud. Make your life easier with the Oracle Autonomous Database. Focus on your business rather than technology.

A Modern Data Warehouse Strategy for Data Driven Business Transformation

Whether you are providing self-service access to all data, building an analytical data mart, or transforming analytics with machine learning, a modern data warehousing strategy is critical to your business. The choice of various on-premises, public cloud, and private cloud deployment options now provide a hybrid platform for effective, efficient, and economical data warehousing across a variety of data stores, including object stores. This session will cover a modern data warehouse strategy covering major use cases such as traditional data warehouse, logical data warehouse, data marts, and data science exploration stores. Oracle, with its converged, secure, and elastic database services, supports relational and non-relational data, including JSON, XML, text, and spatial. Now you can get data-driven insights, whether it is a simple visualization using data marts or large-scale machine learning projects, with a modern data warehouse strategy.

Data Architect's Dilemma: Many Specialty Databases or One Multimodal?

The most fundamental choice for an enterprise data architect to make is between using a single multimodal database or different specialized databases for each type of data and workload. The decision has profound effects on the architecture, cost, agility, performance and stability of the enterprise. And these effects only multiply as the size of the application increases. This session discusses the benefits and tradeoffs of each of these alternatives and also provides an alternative solution that combines the best of the multimodal architecture with a powerful multimodal database. Join this session to find out what is the best choice for your enterprise.

Simplify Data Integration and Migration to Cloud Databases and Warehouses

Join us at this session to learn how to migrate and integrate data into the Oracle Autonomous Database and other data stores faster and easier. Watch a demonstration featuring new innovations in Oracle data integration that will show you how you can deliver real-time, enriched, and trusted data from disparate cloud and on-premises sources for your data marts, data warehouses, and data lakes. Hear about customers just like you who have completed their migration journey into a modern Oracle database solution.

*Abstracts are subject to change. Speakers noted will present in New York, though not necessarily in all cities.

Modernizing Applications

Mission Critical Workloads Are Moving to Oracle Cloud Infrastructure—This Is Why

The combination of eye-opening price performance, flexible payment options, and migration assistance has helped companies save money and create new products and revenue streams. Now, they're trusting Oracle Cloud Infrastructure to run their mission-critical workloads. In this session, Oracle customers will share their real-world journeys and how they are benefiting from Oracle Cloud Infrastructure.

Successful Strategies for Moving Applications and DR to Cloud

Do you feel like you have been left in the on-prem, legacy technology world while everyone else has moved to the cloud? Do you have Oracle applications (Oracle E-Business Suite, PeopleSoft, JD Edwards, or Hyperion) or other third-party applications stuck in a data center? You want to move your applications to the cloud, but which of the many paths is the right one for you? In this session, learn how Oracle Soar, Destination IaaS and PaaS, helps you reduce risk, eliminate human error, improve consistency, and apply repeatable best practices and architectures to accelerate your journey to Oracle Cloud. With Oracle Consulting, you don't pay until the migrations are delivered!

Securing Business-Critical Data with Layered Cyber Defenses

Data is now one of the most valuable resources for organizations. It is also the target of attackers who pursue all points of vulnerability with ever-evolving attack techniques. Cyber defenses must address threats from many types of attackers, insiders, nation states, rogue actors, cybercriminals and malicious bots. Protecting business-critical data from these attackers requires a renewed focus on a culture of security within the business. Attend this session to learn about key opportunities businesses have in strengthening that culture, and the adoption of new processes including a look at Oracle's security strategy that protects business-critical data and helps businesses operate securely across their cloud and on-premises infrastructure.

Integrate Your Cloud Applications Faster with Machine Learning

Connecting SaaS applications to existing on-premises data is the precursor to all successful digital transformation projects including mobile, blockchain, digital assistants, and IoT. Attend this session to learn how to modernize your application integrations with prebuilt connectivity and advanced machine learning. Also, hear how Oracle customers like you are rapidly deploying new Oracle Cloud-based integrations to securely connect their businesses.

Oracle Enterprise Manager: Your Dashboard for Autonomous Database

Oracle introduced the self-managing database in 2003. Then came real-time Automatic Database Diagnostic Monitor (ADDM) along with consolidation planner and workbench. With each of these database automation improvements, Oracle Enterprise Manager has been there to act as your dashboard for your database administration. Join this session to learn how Oracle Enterprise Manager can automate tasks, such as user experience monitoring, multi-tier performance trouble shooting, and configuration and compliance monitoring for the Oracle Autonomous Database.

Transforming Business with Analytics and AI

Bring All Your Data to Life with Analytics and AI/ML

In this overview session, we will first summarize how Oracle Data Management can make more data accessible to more people. Second, we will show how deploying the right analytics, and the right AI/ML can deliver new value. An integrated approach to data and analytics is the only way to bring all your data to life.

Accelerate Data Driven Insights with AI

Oracle Analytics with AI empowers business users to easily access and analyze all data for maximum insights—including departmental, third party, cross company data. With AI and machine learning working in the background, Oracle Analytics makes every user an advanced analyst (no coding skills needed)—driving faster, smarter, and better data driven decisions. Learn how augmented analytics enables the entire organization to ask any question, of any data, on any device with minimal intervention of IT. This session will provide an overview of Oracle Analytics, demonstrations of augmented analytics with AI, and customer case studies.

Everyone's an Analyst – How to Increase the Use of Data Throughout Your Organization

Making everyone in the company an analyst means ensuring self-service access to the right data and analytics. Requiring minimal help from IT to setup and run, leverage a simple to use autonomous data mart to access the most valuable and consistent data. Learn how to maximize the value of data and insights for departmental applications with pre-built templates and data schemas in Oracle Analytics for (Fusion) Applications.

Explore, Access and Integrate Any Data, Anywhere

Data is the key to innovation in your organization. Exploring and analyzing data is difficult with data located on-premises and/or in the cloud. More challenges exist with varied data storage types—whether Oracle Databases, object storage or Hadoop data stores. In this session, learn how to easily extend the reach of your existing tools and applications to reach more data, regardless of location or data storage. Supercharge your advanced analytics and discovery to generate more and better insights, whether your data is 100% in the public cloud, on-premises or distributed in a hybrid cloud environment.

Build, Launch and Operationalize ML and AI for the Digital Era

Learn the different ways your teams can build Machine Learning (ML) models with Oracle. In this session, we will discuss how to quickly start training ML models within your Oracle databases, using SQL, R, or Python. Additionally, our new Data Science Service addresses ML lifecycle challenges such as deployment, management, auditing and collaboration with internal users of ML. With so many groups struggling to manage and deploy ML projects, learn how simple it can be to put machine learning results to work in your organization.

Developers

Developer Playground Keynote: Building Intelligent, Cloud Native Applications

Intelligent applications use machine learning and data from multiple sources to make predictions and suggestions, delivering personalized user experiences and enabling better decisions. Developers should attend this keynote session to learn how to build cloud native, serverless apps using machine learning algorithms in a transactional-analytical database and cloud infrastructure, which provide high performance, security, and availability.

Cloud Native Served Two Ways

Cloud native development encompasses a constantly evolving set of practices and emerging technologies. Container workflows have become standard, leveraging Kubernetes to abstract infrastructure resources and deploy and scale complex systems with ease. The advent of serverless provides even-more-powerful abstractions and promises potentially greater efficiencies for native cloud development. This session demonstrates these two paths to cloud native, first with a web application leveraging microservices running on Kubernetes and then the same application implemented with serverless functions. The presentation discusses the pros and cons of each architecture and why you might choose one over the other.

Autonomous Development Advantage

Autonomous database gives the developer a path to hands free application continuity during maintenance, automated performance tuning, workload optimized connection services and more. In this session we will review the best practices in incorporating Autonomous into new projects while highlighting features and techniques to achieve operational excellence in Oracle Cloud.

Low Code Development with Oracle Autonomous Database

Develop solutions faster, at lower cost, and with greater consistency on a fully managed cloud service from Oracle. The Autonomous Database now includes Oracle APEX, a Low Code application development platform that enables your organization to be more agile and solution driven.

Hands-on Lab: Low Code Development with Oracle Autonomous Database

Develop applications faster, for lower cost, and with greater consistency. The Autonomous Database now includes Oracle APEX, a low code application development platform that enables your organization to be more agile and solution driven. This workshop gives you hands-on experience developing applications using Oracle APEX in the Oracle Cloud. Learn how to:

- Create an Autonomous Transaction Processing instance
- Access APEX in the Oracle Cloud
- Create an APEX Workspace
- Create an application from a file
- Use Quick SQL to create database objects
- Use SQL Developer Web to access database objects
- Use SQL Developer Web to create data model
- Create and modify an APEX Application