Session Abstracts

Oracle Database Directions (Keynote)

Francisco Munoz Alvarez, Oracle

Join Oracle's Distinguished Product Manager for the Database High Availability (HA), Scalability & Maximum Availability Architecture (MAA) team, Francisco Munoz Alvarez, to learn about the latest capabilities for managing structured, semi-structured and unstructured data in the cloud, on-premises, and in multi-cloud and hybrid-cloud configurations. Francisco will showcase recent innovations for data management delivered by the Oracle Database development team and share insights into what's coming next for Oracle Database and customers using it, unveiling unmatched capabilities that will help enterprises meet and exceed the needs of their business drivers.

Oracle Database Reliability–In the Context of Distributed Databases

Francisco Munoz Alvarez, Oracle

Can no data loss and extremely high availability co-exist? In this session, you will learn some key concepts and terminology related to how distributed databases function and how to compare other products in the market against the Oracle Database, specifically focusing on Oracle MAA (Maximum Availability Architecture). This session aims to educate you about distributed databases and provide a foundational background so you can understand how all different solutions in the market position their products and how this compares with our approach, both now and in the future. It would allow you to have all the information required to support the decision of what product could best fit your business requirements, avoiding future mistakes that could affect your data availability and/or recoverability, which would certainly impact your business revenue/or reputation.

TEAMIM's partnership with Oracle to deliver cloud services from an Oracle Cloud in New Zealand

Ian Rogers & Craig Hampson, TeamIM

Oracle Alloy and how TEAM IM will manage and operate it, and what it means for NZ organisations.

Terraform on Oracle Cloud: A Primer for DBAs
Sean Scott, Viscosity North America

Cloud services offer inexpensive, limitless resources where database teams can practice and validate performance tuning, high availability, and patching. However, navigating a cloud interface to create hosts, assign disks, and configure networking is tedious and time-consuming. And you still have to install software and prepare the environment!

Enter Terraform, an automation tool that streamlines and simplifies infrastructure builds. In this session, database administrators learn the basics of provisioning a database and supporting infrastructure on Oracle Cloud with Terraform. No prior experience with Terraform or Oracle Cloud is required!

The Hitchhiker's Guide to Cloud Native Databases
Sean Scott, Viscosity North America

Cloud adoption is driving standardization on cloud-native technologies, and databases—which have (so far) avoided this trend—are under mounting pressure to fall into line. Make no mistake: Databases running natively in the cloud enjoy the same benefits as any other application, and enterprises that hesitate will quickly yield a competitive advantage.

This session prepares database and systems administrators for the inevitable cloud-native future, illustrating key differences between legacy infrastructure and container platforms, how to leverage container architecture to simplify database management, ways to jump-start and scale adoption in their organization, and how cloud-native technologies generate strategic and business value.

Achieve Extreme Scalability, Availability, Tenancy, and Sovereignty with Sharding
Sean Scott, Viscosity North America

Oracle Sharding is a technology for managing multiple, geographically dispersed databases in a shared-nothing architecture. Sharding is often associated with large, complex databases, but that need not be the case. Based on Oracle Partitioning technology, sharding is a component of Oracle's Maximum Availability Architecture and boasts a rapidly growing user base. Its adoption results from the many database challenges it solves, including extreme availability, fault isolation, data tenancy, application response and latency, hybrid cloud deployment, migration, and data sovereignty. In this presentation, learn how Oracle's sharding technology works, its limits, implementation planning, use cases, and the latest features and enhancements that make sharding an easier and more compelling solution.

Unlocking the Hidden Potential of an Oracle SE Standby: Reporting, Testing, and Development

Vijayganesh Tirupattur Sivaprakasam, DBvisit

In today's fast-paced business landscape, organizations need robust disaster recovery solutions to ensure the continuity of their critical Oracle databases. However, what if this disaster recovery infrastructure could offer more than data protection? In the session, we will look at how to leverage Oracle SE2 Standby for enhanced business value.

We will discuss different methods for reporting, like

1. Placing the standby in read-only mode
2. Utilizing snapshots using Logical Volume Manager (LVM)
3. Leveraging ACFS snapshots, and
4. Introducing the Dbvisit StandbyMP Reporting Replicas solution.

We will delve into various methods and techniques that enable organizations to harness the power of their standby systems for value-added functions, all without incurring additional licensing requirements.

The range of compelling use cases for standby snapshots:

1. Organizations can offload reporting to the standby server, reducing the load on the primary system and improving overall performance.
2. The possibilities of using standby snapshots for testing and development purposes, enabling teams to work with real-time data while ensuring the production environment remains untouched.
3. Additionally, how standby snapshots can create a training environment with production data, enhancing the learning experience for database professionals.

Business Benefits:
One of the key advantages of our approach is the ability to derive significant cost savings, particularly for organizations utilizing Oracle SE2. The correct tool can also provide ease of snapshot management, enabling organizations to create and manage them at will, further enhancing flexibility and efficiency.

Summary
Unlock the hidden potential of your Oracle standby environment and discover how to unleash enhanced business value through disaster recovery. Learn how to utilize your standby infrastructure for the above purposes while optimizing cost.

23c: Database Made Easier
Connor McDonald, Oracle

Often the new features in a new database version pertain to the "big ticket" functionality areas of availability, performance, management, technology shifts and so forth. But for many, often it is the tiny little enhancements or tweaks to existing functionality that make all the difference. As far back as database versions go, it is the little things that have developers singing from the rooftops. Column rename in in 8i, MERGE in 9i, virtual columns in 11g, FETCH FIRST in 12c—the list goes on. And Oracle Database 23c is packed with these small but critical enhancements. This session covers the improvements to the database that will boost productivity and make the database easier to use than ever!

5 great features in the database you're probably not using
Connor McDonald, Oracle

In this session, we'll look at five things you might not have known about the Oracle Database—or that you might have known about but never realized how they could benefit you. For each topic, we will provide a detailed explanation of the functionality and demonstrated the benefits using real-world examples. The topics covered are applicable for anyone running any supported version of the Oracle Database with only a couple of minor exceptions. After this session, we hope that you'll understand a little more about these features and how they'll benefit you and your organization.

Oracle Autonomous Database
Byron Mandich, Oracle

Oracle Autonomous Database combines the flexibility of cloud with the power of machine learning to deliver data management as a service. It's built upon a foundation of technical innovations that have been developed by Oracle over the course of more than three decades, meeting the needs of thousands of enterprise customers worldwide. Hear about Oracle Estate Explorer and how migrating to Autonomous Database has never been easier.

Environment customization for PostgreSQL DR, a.k.a. Don't fear the Switchover
Alex Masharov, DBvisit

An increasing number of Oracle users are becoming interested in PostgreSQL, both as a potential migration opportunity as well as an option to deploy alongside their existing Oracle databases. Therefore, talks/sessions about PostgreSQL have become increasingly well-attended at conferences, as experienced Oracle DBAs look to expand their knowledge. In this talk, I will discuss how PostgreSQL can be an amazingly flexible database when used well, but the level of skill required to manually manage the many different configuration files can be daunting for a lot of users. Join me as we talk through various common DR customization options, and how to get them right first time.

Exadata: Strategy and Roadmap for New Technologies, Cloud, and On-Premises
Alex Blyth, Oracle

The Exadata architecture is the world's most advanced cloud-enabled database infrastructure, capable of running all types of modern database workloads. A combination of state-of-the-art hardware, including PCIe flash, leading-edge memory caching in storage servers, and cloud-scale RDMA over Converged Ethernet (RoCE), along with unique and smart software makes Exadata the best platform for running Oracle Database. This session provides an overview of current and future Exadata capabilities, including cloud, hybrid, on-premises, and autonomous database technologies.

Exadata Maximum Availability Architecture
Alex Blyth, Oracle

Oracle Exadata and Oracle Database are co-engineered for the highest performance, security, and availability. In this session, join Exadata Product Management as we explore how the Maximum Availability Architecture is enhanced by Exadata and helps exceed user and customer expectations in the endless pursuit for uptime. We'll cover the latest best practices, revise features you didn't even realize were there but are protected by automatically, and improve end user Quality of Service with Exadata MAA.

Building the More Intelligent Future of Cloud
Chris Hayward, Oracle

Whether you are a Cloud Veteran or just starting on your journey to Cloud, Oracle has a fundamentally different approach to Cloud.

In this session, join Chris Hayward, Master Principal Cloud Architect at Oracle NZ to hear the differentiated Oracle Cloud Strategy. The next-generation cloud designed to run any application, faster and more securely, for less.

Learn about how OCI is a Unified Cloud that combines the best of Applications and Infrastructure, delivered sustainably, wherever you need them and how the entire portfolio is continuously learning and improving.

Managing Change & Improvements in the Cloud
Rabia Saria, Duco Consultancy

As we continue our journey towards modernization and moving to the Cloud, emphasizing the importance of cadence, delivering continuous managed change, and visibility of capability uptake enabling users to regularly see systemic improvements.