



NoCOUG FALL CONFERENCE 2015

Friday, November 20, 2015 at PayPal Town Hall, San Jose
 Registration required at <https://nocoug.wildapricot.org/event-2076147>

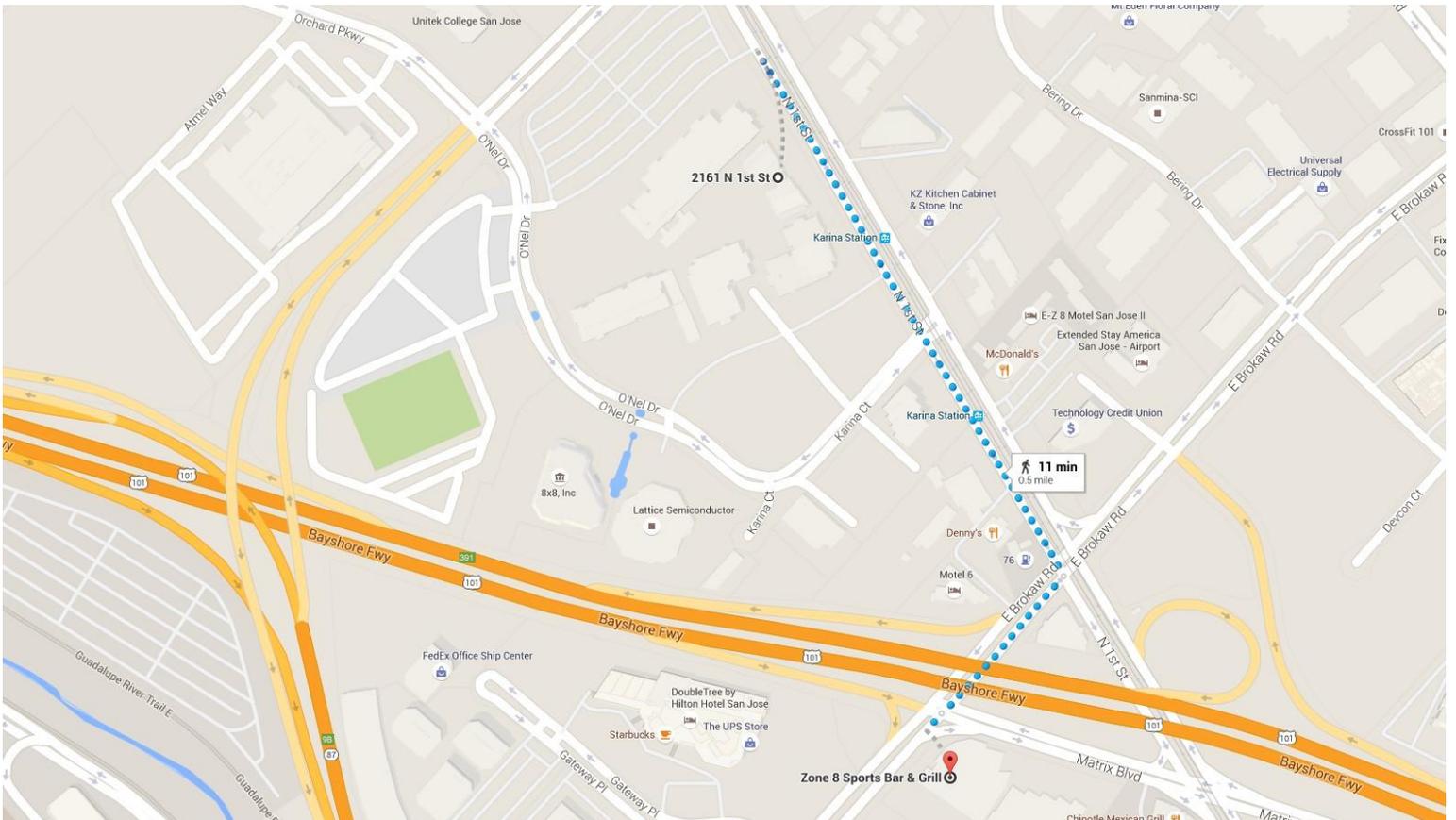
8:00–9:00	REGISTRATION AND BREAKFAST		
9:00–9:30	<i>Commerce Innovation Showcase Tour</i> (signup sheet in foyer)	GENERAL SESSION Hanan Hit, NoCOUG President	
9:30–10:30	KEYNOTE FIRESIDE AB (floor plan on reverse) <i>Data-Centric Security: The Key to Digital Business Success</i> Ulf Mattsson, CTO, Protegrity		
10:30–11:00	MEET THE EXHIBITORS		
	ORACLE SHOWCASE FIRESIDE AB (floor plan on reverse)	MEMBER SHOWCASE FIRESIDE CD (floor plan on reverse)	EXHIBITOR SHOWCASE TOWN SQUARE A (floor plan on reverse)
11:00–12:00	<i>Oracle Database 12.2 Active Data Guard New Features</i> Mahesh Girkar, Oracle	<i>Advanced GoldenGate Configuration</i> Lorrie Yang, Bank of America	<i>Evidence-Based Decision Making: Using AWR and Statspack to Decide if Flash is Right for You</i> Mike Ault, IBM Journal Editor's Pick
12:00–12:30		LUNCH	
12:30–13:00	<i>Commerce Innovation Showcase Tour</i> (signup sheet in foyer)	TOWN SQUARE BC (floor plan on reverse)	
13:00–14:00	<i>Oracle Database 12.2 Sharding for Scalability and Fault Isolation</i> Srinagesh Battula, Oracle	<i>Faster Database Upgrades</i> Paresh Patel and Samrat Roy, PayPal	<i>Bulletproof Disaster Recovery: Zero Data Loss and Cross-Application Consistency</i> Eli Efrat, CEO, Axxana
14:00–14:30	LAST CHANCE TO MEET THE EXHIBITORS		
14:30–15:30	<i>Keeping Everybody Happy in a Data Warehouse</i> Yasin Baskan, Oracle	<i>OLTP meets Big Data: Challenges, Options, and Future</i> Saibabu Devabhaktuni, PayPal	<i>All-Flash Storage Arrays for Mixed Workload Consolidation and Copy Data Management</i> Kevin Closson, EMC
15:30–16:00	FREE RAFFLE TOWN SQUARE BC (floor plan on reverse)		
16:00–17:00	<i>MySQL 5.7 Performance: More Than 1.6M SQL Queries per Second</i> Sastry Vedantam, Oracle	NETWORKING AND HAPPY HOUR HOSTED BY NEOWORKS ZONE 8 SPORTS BAR & GRILL CASINO M8TRIX, 1887 MATRIX BLVD (map on reverse)	
17:00–			

Mark your calendars for the *YesSQL Summit and Practical Tuning Workshop* with Carlos Sierra and Mauro Pagano on **January 26–28** at the Oracle conference center



Town Hall (B12) Building - 1st Floor

2211 North First Street



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KEYNOTE

Data-Centric Security: The Key to Digital Business Success—*Ulf Mattsson, CTO, Protegrity*

With the exponential growth of data generation, sharing, and collection stemming from new digital business models fueled by Big Data, cloud computing, and the Internet of Things, we are setting the stage for an almost limitless ability to identify trends, satisfy customer needs, and improve business performance. We are also creating a cybercriminal's paradise, as the old perimeter-based model of data security—based on finding malware and data leaks—has become woefully inadequate at protecting all possible data access points and data stores. New security approaches assume that you are under attack and focus instead on protecting the data itself, even in computer memory—the target for a growing number of attacks. In this session, Protegrity CTO Ulf Mattsson will provide insight to address the following issues:

- Taking a data-centric approach to balancing the often-competing goals of improving data security while maximizing data value and productivity
- Managing today's threats while adapting to the ever-changing data security landscape of the future
- Bridging the gap between security regulations, privacy, and compliance while still being able to provide powerful analysis and data insight
- Selecting the best methods of protecting sensitive data at rest, in transit, and in use
- Understanding why tokenization—the most effective form of PCI data security—is increasingly being used to protect PII and PHI as well

ORACLE SHOWCASE

Oracle Database 12.2 Active Data Guard New Features—*Mahesh Girkar, Oracle*

Data Guard is Oracle's solution for real-time protection and availability of your Oracle data. Oracle Active Data Guard enhanced it by providing the ability for any standby database to perform live reporting while extending protection guarantees. In this session, you will learn in depth about new

enhancements in Active Data Guard that are part of Oracle's upcoming 12.2 RDBMS software release in various areas such as redo transport and apply, standby queries with in-memory performance, and new corruption detection and repair functionality.

Oracle Database 12.2 Sharding for Scalability and Fault Isolation—*Srinagesh Battula, Oracle*

Oracle Sharding is an architectural pattern where data is horizontally partitioned across up to 1000 discrete DBs that do not share hardware and software. It provides massive scalability and fault isolation compared to what is possible by scaling-out or scaling-up a single database. This session covers how the next release of Oracle database automates the deployment of sharded databases with various partitioning schemes, enables elastic scaling and rebalancing, and supports data-dependent routing and cross-shard queries while rendering strict consistency, full power of SQL, developer agility with JSON, and the proven enterprise qualities of Oracle Database EE. Learn how this next-generation Oracle technology provides a complete platform needed for a sharded database.

Keeping Everybody Happy in a Data Warehouse—*Yasin Baskan, Oracle*

Large database operations perform best when executed in parallel. But what about all the other tactical users on your system? How can you guarantee the service levels of such an environment? If you ever wondered how to run different types of highly diversified analytical workloads optimally, or if you are a DBA managing such a system, this session is for you. In this session, learn about managing concurrent workloads—parallel or serial, small or large user populations, strategic or tactical—with the help of technologies like database resource management or fundamental system configuration. Learn how to configure, manage, and monitor your database so that each of your workloads achieves the performance it needs.

MySQL 5.7 Performance: More Than 1.6M SQL Queries per Second—*Sastry Vedantam, Oracle*

MySQL 5.7 is an exciting new version of the world's most popular open-source database that is 2X faster than MySQL 5.6 and offers improved performance, usability, manageability, and security. This session

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covers key MySQL 5.7 enhancements, InnoDB performance and scalability, JSON support, performance schema, SYS schema, security, GIS, and optimizer improvements. This session also describes the latest features that provide high availability right out of the box. It provides an overview of MySQL Fabric (a high-availability framework for managing a farm of MySQL Servers) and MySQL replication (asynchronous, semi-synchronous, and group) and shows how everything fits together into a fully integrated, high availability solution.

MEMBER SHOWCASE

Advanced GoldenGate Configuration—*Lorrie Yang, Bank of America*

Since Oracle's purchase of GoldenGate software in 2009, GoldenGate has gained a lot of popularity as the leading choice for database replication when Oracle database is involved. This presentation—learned from experience—will focus on advanced topics such as conflict detection and resolution setup for multi-master replication and its impact on application design and test platforms.

Faster Database Upgrades—*Paresh Patel and Samrat Roy, PayPal*

Come to this session to understand how database upgrades can be performed with less than one minute downtime and how to reorganize very large databases faster. This session will cover data copy methods, GoldenGate configuration, data validation, SQL execution plan analysis, and database upgrade optimizations.

OLTP Meets Big Data: Challenges, Options, and Future—*Saibabu Devabhaktuni, PayPal*

New database management challenges have emerged as analytics and real-time reporting requirements now have to be handled by OLTP databases. Attend this session to understand how OLTP database technology is evolving to handle the three V's of Big Data: Volume, Velocity, and Variety.

EXHIBITOR SHOWCASE

Evidence-Based Decision Making: Using AWR and Statspack to Decide If Flash Is Right for You—*Mike Ault, IBM*

Oracle is a complex I/O-driven database. In this presentation Mike Ault shows how I/O is critical to database performance, how FlashSystem technology with microlatency solves many I/O issues, and how to evaluate your AWR reports to determine if Flash is right for your environment.

Bulletproof Disaster Recovery: Zero Data Loss and Cross-Application Consistency—*Eli Efrat, CEO, Axxana*

The combined solution of Oracle Data Guard and Axxana Phoenix System for Oracle allows recovery of all database transactions to a remote site in a cost-effective manner with high performance and consistency across all applications, regardless of the nature of the disaster and the distance between the sites. This session will cover the following:

- Understanding the combined solution of Oracle Data Guard and Axxana Phoenix System for Oracle
- Sizing your DR environment with the combined solution
- Using Far Sync with the Axxana Phoenix System

All-Flash Storage Arrays for Mixed Workload Consolidation and Copy Data Management—*Kevin Closson, EMC*

You've heard all about Flash for performance, now take it to the next level with workflow consolidation, integrated copy data management, and self-service. The holy grail would be simple storage consolidation for all databases, business and analytics applications, and nonproduction lifecycle copies. Come learn about scale-out all-Flash arrays and in-memory integrated Copy Data Management, including:

- Third-party lab testing results for consistent sub-millisecond response times and linear IOPS scaling for massive consolidation of multiple tier-1 workloads and nonproduction copies
- Integrated Copy Data Management workflow automation for test/dev, data protection, and on-demand analytics
- Self-service options through AppSync and Oracle Enterprise Manager
- Using SLOB for testing consolidation opportunities

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