



The New York Oracle Users Group
Fall General Meeting – October 4, 2018
St John’s University, Manhattan Campus
Sponsored by QUEST

AGENDA

TIME	ACTIVITY	TRACK/ROOM	PRESENTER
8:30 - 9:00	REGISTRATION AND BREAKFAST sponsored by DATA INTENSITY		
9:00 - 9:15	Opening Remarks General Information	(Single Session) Room 105/106	Simay Alpoge NYOUG President
SESSION 1 9:20 - 10:20	KEYNOTE: An Update on Oracle Database 18c.	(Single Session) Room 105/106	Sean Stacey Oracle Corporation
10:20 - 10:30	BREAK		
SESSION 2 10:30 - 11:30	Next Generation Data Protection and Security for Oracle users: The Blockchain Advantage	(Single Session) Room 105/106	Ulf Mattsson TokenEx
11:30 - 11:40	BREAK		
SESSION 3 11:40 - 12:40	Docker for Oracle Professionals	(Single Session) Room 105/106	Arup Nanda Priceline
12:40 - 1:40	LUNCH – Room 105/106 - Presentation by Jeff Surretsky, QUEST Future Proof Your Databases: Achieve Continuous Database Operations		
SESSION 4 1:45 - 2:45	Understanding the New Release and Patching Model for Oracle Database	DBA Room 105	Roy Swonger Oracle Corporation
	Server-Side Development for the Cloud	Developer Room 106	Michael Rosenblum Dulcian Inc.
2:45-2:50	BREAK		
SESSION 5 2:50 - 3:50	Oracle Sharding Technical Deep Dive	DBA Room 105	Venkata Ravi Kumar Yenugula Infolob
	APEX 18.1 and the REST of the world	Developer Room 106	Marc Sewtz Oracle Corporation
3:50 - 4:00	BREAK		
SESSION 6 4:00-5:00	Success Story – Oracle Cloud Procurement Implementation	DBA Room 105	Sunny Todkari Jade Global Inc
	OBIEE BI Publisher Reporting Technology	Developer Room 106	Linda Li Priceline

ABSTRACTS

9:20 - 10:20 AM KEYNOTE: An Update on Oracle Database 18c.

By now you're probably already aware that Oracle skipped Database 13c and went straight to Oracle Database 18c. Find out the reason behind this decision as well as what you can expect to see when you use the latest version.

During this session we will be uncovering some of the hidden gems and new features that will help make your decision to upgrade an easy one.

We'll also take a look at the Oracle Autonomous Database and see where the Oracle database is heading today...

Sean Stacey

Sean Stacey is a Director of Product Management in Oracle's Server Technologies organization. Sean joined Oracle in 1997, and during his time with Oracle has focused much of his time supporting Oracle's partner community with programs primarily around the adoption of the Oracle Database. Most recently Sean has been working with Oracle customers and partners to help them move to the Oracle Public Cloud.

Sean's expertise in the Oracle database is both theoretical as well as hands-on. He frequently provides technical advisory services and education to Oracle customers and partners to ensure they are getting the most benefits from their Oracle software investment. In addition to these program activities, he has authored several white papers and frequently presents sessions at Oracle user conferences.

Prior to joining Oracle, Sean was a software developer and then Oracle Database administrator in Australia, the United Kingdom and the U.S. He currently resides in Raleigh, North Carolina.

10:30 - 11:30 AM SINGLE SESSION: Next Generation Data Protection and Security for Oracle users: The Blockchain Advantage

You will learn how blockchain is applicable to securing PII (Personally Identifiable Information), PCI data and Healthcare data in Oracle. You will learn about compliance for PII, PCI and Healthcare data impact Oracle blockchain users. You will learn if deleting the Oracle data encryption key would be GDPR compliant. You will learn the pros and cons of utilizing Tokenization vs encryption for Oracle blockchain data.

You will learn if we are dealing with very sensitive PII data; would a private Oracle blockchain. be more secure, manageable and presents a much smaller attack surface. You will learn if there is a material difference in the use of block chaining IoT solutions in different industries and if so what is the compliance and privacy implications for Oracle users. You will learn how Oracle blockchain can minimize a ransomware attack. You will learn how the Estonia country in Europe is the future model for utilizing blockchain to prevent nation state attacks on Oracle data. You will learn how to be GDPR compliant managing some of the data outside of the Oracle blockchain.

Ulf Mattsson

Ulf is the Head of Innovation at TokenEx, previously Chief Technology Officer at Atlantic BT, and earlier CTO at Compliance Engineering. Ulf was the CTO and a founder of Protegrity Technology. He invented the Protegrity Vaultless Tokenization, Data Type Preservation (DTP2) and created the initial architecture of Protegrity's database security technology. Prior to Protegrity, Ulf worked 20 years at IBM in software development and in IBM's Research organization, in the areas of IT Architecture and Security.

Ulf is the inventor of more than 50 patents in the areas of Encryption, Policy Driven Data Encryption, Internal Threat Protection, Data Usage Control and Intrusion Prevention. One line of his research during the last 15 years is in managing and enforcing security policies for databases, including joint projects with research and development teams at Oracle, IBM, Microsoft, Hewlett-Packard, Sybase, Informix, Teradata, and RSA."

11:40-12:40 AM SINGLE SESSION: Docker for Oracle Professionals

Do you know about Docker? Or, DevOps? If you haven't, you are lagging behind. To make strides in the agile IT landscape today, you have to know DevOps and you probably have to know a lot about Docker containers. In this session you will understand what Docker is, how it works, how to enable containers with Oracle database, how to enable networking components especially required for Oracle tools and more. All will be shown with live examples. Outline

1. What is Docker
2. How it is different from virtualization
3. Networking in Docker
4. How Docker solves the problem of discrepancies between non-prod and prod and reduce the risk of inconsistency
5. How to enable Oracle database and tools in Docker
6. How to deploy any app (not just Oracle) in Docker.

Arup Nanda

Arup Nanda has been an Oracle DBA for over 20 years with experience spanning all aspects from Modeling to performance tuning and Exadata. He delivered more than 400 sessions worldwide, has authored about 500 articles, 6 books, blogs at arup.blogspot.com and mentors new and seasoned DBAs. He won Oracle's DBA of the Year in 2003, Enterprise Architect of the Year in 2012, is an ACE Director and a member of Oak Table Network.

12:40-1:40 PM LUNCH: Future Proof Your Databases: Achieve Continuous Database Operations

Are you...

- under pressure from your business to build, test and release software changes faster?
- unsure how to effectively monitor the performance impacts of your database changes?
- unclear about how to bring database processes into your DevOps infrastructure?
- concerned about the risks of making compromises in your desire to shorten release cycles?
- required to replicate fast moving changes to your hybrid database environments?

We will show you how to achieve Continuous Database Operations with Quest's Database Solutions

Jeff Surretsky, QUEST

1:45-2:45 PM DBA TRACK: Understanding the New Release and Patching Model for Oracle Database

By now you have heard that Oracle has changed its database release model and numbering, and on top of that has a new patching paradigm. Yearly releases plus Updates and Revisions may require adjustments in test, development and roll-out strategies as well as patching. What does it mean to you when adopting a new release? What is the best patching strategy for your organization? Are support timelines affected by all this? And how will the transition from the old model to the new model work? This presentation will explain everything you need to know about the new database release model and numbering, give you recommendations for patching strategy, and answer all your questions about this crucial area of operations.

Roy Swonger

Roy Swonger has over three decades of experience in commercial software development. His 20+-year career at Oracle has included work on software process and quality improvement as well as a progression of management roles in technical documentation, software development tools, and core database technologies. Roy has managed the Database Upgrade & Utilities in the Server Technologies division for more than 15 years. In this capacity he is responsible for the development of database features such as the Data Pump, SQL*Loader, External Tables, and Transportable Tablespaces. In addition, Roy runs the global Upgrade Program for the database, coordinating worldwide efforts to make database upgrades faster, easier, and less risky for customers. Roy holds a Bachelor of Science in Computer Science from Rensselaer Polytechnic Institute, and a Master of Software Engineering from Carnegie Mellon University.

1:45-2:45 PM DEVELOPER TRACK: Server-Side Development for the Cloud

The only group of Oracle specialists that continues to stay outside of the cloud hype are server-side developers. Everybody else (from CFOs to DBAs) are frantically trying to figure out what is happening and how to survive in the rapidly changing environment. Nevertheless, developers still hope that either their DBAs are good enough or their CFOs are charitable enough to make the system work. They are wrong – both in the technical and in the political/corporate sense! Although, it is possible to make your system cloud-friendly, but doing so takes explicit efforts and serious thinking. This presentation will help you by utilizing real-world examples based on years of experience.

Michael Rosenblum

Michael Rosenblum is a Software Architect/Development DBA at Dulcian, Inc. where he is responsible for system tuning and application architecture. Michael supports Dulcian developers by writing complex PL/SQL routines and researching new features. He is the co-author of PL/SQL for Dummies (Wiley Press, 2006), PL/SQL Performance Tuning Tips & Techniques (Oracle Press, 2014), contributing author of Expert PL/SQL Practices (APress, 2011), and author of a number of database related articles (IOUG Select Journal, ODTUG Tech Journal) and conference papers. Michael is an Oracle ACE, a frequent presenter at various Oracle user group conferences (Oracle OpenWorld, ODTUG, IOUG Collaborate, RMOUG, NYOUG, etc.), and winner of the ODTUG Kaleidoscope 2009 Best Speaker Award. In his native Ukraine, he received the scholarship of the president of Ukraine, a Master of Science degree in information systems, and a diploma with honors from the Kiev National University of Economics.

2:50-3:50 PM

DBA TRACK: Oracle Sharding Technical Deep Dive

Oracle Sharding is a response to customer demand for a database architecture that can deliver the combination of linear scalability and complete fault isolation without requiring shared storage or compromising on the enterprise qualities of the Oracle Database: strict consistency, the full power of SQL, developer agility with JSON, security, high availability, backup and recovery, life-cycle management, etc.

OLTP applications designed for Oracle sharding can elastically scale (data, transactions and users) to any level, on any platform, simply by deploying new shards on additional stand-alone servers. The unavailability or slowdown of a shard due to either an unplanned outage or planned maintenance affects only the users of that shard, it does not affect the availability or performance of the application for users of other shards.

Venkata Ravi Kumar Yenugula

YV Ravi Kumar is an Oracle ACE Director and Oracle Certified Master (OCM) with 20 years of experience in Banking, Financial Services and Insurance (BFSI) vertical and played various roles like Senior Database Architect and Production DBA. He is also OCP in Oracle 8i, 9i, 10g, 11g & 12c and Certified in Golden Gate, RAC, Performance Tuning & Oracle Exadata. He has written 90+ articles for OTN-Spanish, OTN-Portuguese, OTN-English, TOAD World, UKOUG, OTech Magazine and Redgate. He is a frequent Oracle speaker in @NYOUG, @OTN, AIOUG, Sangam and IOUG. He designed, architected and implemented Core Banking System (CBS) Database for Central Banks of two countries - India & Mahe, Seychelles. He is a Co-Founder of OraWorld (www.oraworld.com). Learn more from his profile at LaserSoft.

2:50-3:50 PM

DEVELOPER TRACK: APEX 18.1 and the REST of the world

One of the marquee features of Application Express 18.1 is the improved support to consume external REST services and REST enabled SQL. In this session you will learn how to reference external REST services as Web Source Modules and how to create reports, Charts, Calendars or other components using these. Remote Oracle database can be accessed as REST Enabled SQL services: Create an APEX component driven by a SQL query as before - but have it executed on a remote Oracle database over a REST interface using HTTPS and JSON. The session will also cover how to work with external data sources in custom PL/SQL code or as a Plug-In developer. Some tips and tricks will round the session up.

Marc Sewtz

Marc Sewtz is a Senior Software Development Manager at Oracle Corporation in New York. With over 20 years of industry experience, he held roles in Consulting, Sales and Product Development and today manages a global team of Software Developers and Product Managers in the Oracle Application Express (APEX) development group. Marc frequently presents at international conferences, such as APEX Connect, ODTUG Kscope, Oracle Open World and Oracle Code. He has a master's degree in Computer Science from the University of Applied Sciences in Wedel, Germany.

4:00-5:00 PM DBA TRACK: Success Story – Oracle Cloud Procurement Implementation

In this case study, you will learn how Oracle Cloud Procurement can be used to optimize and automate your source-to-settlement process. How Jade Global brought in their industry and Oracle Cloud expertise to implement best business practices offering process improvements and scalability along with cost savings for one of their customers. Oracle Cloud provides best in class procurement suite of applications for smarter sourcing, easily configurable rule-based approvals and transaction account builder, end-user self-service ordering and supply side integrations through Supplier Portal. Learn how to extract the data from current EBS or third-party system and how to upload the data efficiently to Cloud. We will share the data migration approach and strategies used in the project.

Sunny Todkari

Sunny is Oracle certified SME with 10+ years' experience across various industries (clothing, oil and gas, process, solar, semiconductor, discrete manufacturing, high-tech, entertainment & media)) and geographies (India, the United States, and the Middle East). Sunny's professional passion lies in implementation, upgrade, rollout and support of Oracle 11i, R12, and Cloud (Inventory, Order Management, Purchasing, Warehouse Management Systems, iSupplier, iProcurement, iExpense, Landed Cost Management, Advanced Pricing, Approval Management Engine). Sunny has published various case studies, whitepapers, blogs and conducted webinars related to supply chain.

4:00-5:00 PM DEVELOPER TRACK: OBIEE BI Publisher Reporting Technology

1. Create Data Model in BI Publisher
2. Using Advanced BI Publisher functions to create RTF, Excel template to associate with XML data
3. Using WSDL ScheduleService and ReportService to launch BI Publisher's web service call to burst reports on demand by Python

Linda Li

Linda Li - Joined the Priceline in 2014, is a senior data warehouse solution analyst in the Data Lake services team.

In her career, Linda has worked as Oracle DBA, data warehouse analyst, Senior business intelligence analyst in different industries - Distributor, Reinsurance, Bank, e-commerce and worked with various systems- SAP Business warehouse, Oracle EBS, EDW, OBI warehouse, worked with various legacy and modern business intelligence tools and systems - SAP Business Objects, Oracle Discoverer, OBIEE, Tableau, Google Data Studio, BigQuery, etc. This is the 2nd time Linda presents at NYOUG.

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