The New York Oracle Users Group
Winter General Meeting – December 13, 2018
St John's University, Manhattan Campus

AGENDA

TIME	ACTIVITY	TRACK/ROOM	PRESENTER
8:30 - 9:00	**REGISTRATION AND BREAKFAST**		
9:00 - 9:15	**Opening Remarks** **General Information**	(Single Session) Room 105/106	Simay Alpoge NYOUG President
SESSION 1 9:20 - 10:20	**KEYNOTE: Oracle Database: What's New and Coming Next**	(Single Session) Room 105/106	Sean Stacey Oracle Corporation
10:20 - 10:30	**BREAK**		
SESSION 2 10:30 - 11:30	**Tips & Tricks Oracle SQL Developer**	(Single Session) Room 105/106	Jeff Smith Oracle Corporation
11:30 - 11:40	**BREAK**		
SESSION 3 11:40 - 12:40	**The Changing Role of the DBA**	(Single Session) Room 105/106	Sean Stacey Oracle Corporation
12:40 - 1:40	**LUNCH – Room 105/106**		
SESSION 4 1:45 - 2:45	**Liquibase - Open Source Version Control for Your Database**	DBA Room 105	Blaine Carter Oracle Corporation
	DevOps 101 for DBAs and Database Developers	Developer Room 106	Clay Jackson Quest
2:45-2:50	**BREAK**		
SESSION 5 2:50 - 3:50	**Oracle Exadata X6 Pallet to Production: An All-Inclusive Migration Package**	DBA Room 106	Heema Satapathy BIAS Corporation
	From IoT to the Database: Soldering, REST Data with JavaScript and Python	Developer Room 105	Blaine Carter Oracle Corporation
3:50 - 4:00	**BREAK**		
SESSION 6 4:00-5:00	**Implementing a Robust Oracle12c Multitenant BR/DR Strategy with RMAN**	DBA Room 105	Anthony Noriega NJCU
	An Introduction to Virtual Reality Data Analytics	Developer Room 106	Suzanne Prezorski Altice, USA

ABSTRACTS

9:20 - 10:20 AM KEYNOTE: Oracle Database: What's New and Coming Next

If you missed the opportunity to attend OpenWorld 2018 (held on October 22-25 in San Francisco), this session will help get you up-to-speed on the latest Oracle Database news and developments directly from the Oracle Database development team.

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: Tips & Tricks Oracle SQL Developer

An interactive session, the SQL Developer product manager will show you how to take advantage of your IDE and database GUI - features, preferences, 'tricks' - with live demo and your questions.
This session will really change the way you use the tool on a day to day basis and will save you time and maybe even start to have a bit of fun with your SQL and data.

Jeff Smith

I have a dry sense of humor. If you can't tell if I am joking or not, then assume I am joking.
I have worked for independent software vendors since 1999. For the past 17 years I've been working on and around database software tools. It's a pretty narrow specialization, but I dig it.
I'm currently a Product Manager for Oracle, working on the SQL Developer team. My true passion lies in helping people maximize their productivity and retain sanity while working with database development and administration tools.
Jeff is the product manager for SQL Developer and ORDS. You can read his blog at thatjeffsmith.com and follow him on Twitter @thatjeffsmith.

11:40-12:40 AM SINGLE SESSION: The Changing Role of the DBA
The advent of the cloud and the introduction of Oracle Autonomous Database Cloud presents opportunities for every organization, but what's the future role for the DBA? In this session explore how the role of the DBA will continue to evolve and get advice on key skills required to be a successful DBA in the world of the cloud.

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1:45-2:45 PM DBA TRACK: Liquibase - Open Source version control for your database
It is generally accepted that you should always use proper version control when developing software. Shouldn't you do the same with your database changes? Especially as part of a DevOps strategy. Evolving your database Schema using SQL scripts gets complex fast. In this talk Blaine will discuss using a schema migration tool called Liquibase; a database independent, open source tool for managing database changes. Blaine will demonstrate some of the major features of Liquibase including how to extract your current schema into Liquibase, make changes and roll them back. You will come away from this session with a better
understanding of Liquibase specifically and the value of using a schema migration tool as part your CI/CD strategy.

Blaine Carter
Blaine Carter is the Oracle developer advocate for open source. He applies his exploratory eye and tinkering inclinations to the intersection of open source and Oracle Database. He helps database developers improve their workflow using open source tools and promotes the use of open source inside and outside of Oracle.
Blaine is a firm believer in learning by doing, failing, figuring it out and then sharing.

1:45-2:45 PM DEVELOPER TRACK: DevOps 101 for DBAs and Database Developers
DevOps is a changing the process of developing and deploying software. Using DevOps techniques with databases and database development presents some unique challenges. This paper will show of the principles of DevOps can be used by DBAs and Database Developers to become more efficient and productive. We'll also review tools available to support DevOps for Databases

Clay Jackson
Clay has been working with Oracle since 1991, most recently as a Systems Engineer for Quest, specializing in Database Replication and Performance Monitoring. Clay is a member of the Oak Table.

2:50-3:50 PM DBA TRACK: Oracle Exadata X6 Pallet to Production: An All-Inclusive Migration Package

In this session, we will share the technical steps and challenges encountered while standing up two new Exadata X6's including disk group sizing, sparse disk considerations, the Exadata instantiation and migration techniques. We will share how we migrated the complete database lifecycle from Exadata X2 to new X6's leveraging Data Pump for Development, RMAN duplicate for QA, Data Guard for Production. Lastly, we will discuss how we automated the Oracle's snap cloning process to create clones within a few minutes.

Heema Satapathy

Heema Satapathy is a Service Delivery Manager with BIAS Corporation. She is an Oracle Ace Associate and an active speaker. She spoke in various international conferences including Oracle Collaborate and Oracle Open World.

2:50-3:50 PM DEVELOPER TRACK: From IoT to the Database: Soldering, REST Data with JavaScript and Python

If you're like me, you use way too much power and you're not quite sure where. Tracking your power usage is a great start, but analyzing the data is often easiest when it's in a database. Having to type it in by hand would be a pain; let's void a warranty instead!

Building on the "Watch me make a Watt-watcher" project (https://learn.adafruit.com/tweet-a-watt), I will start by giving an overview of the steps and components used to assemble the hardware. Next, we'll discuss what to do with the data. As the project says, we can save it to a file on our computer, upload it to a database, tweet it or whatever you'd like.
Of course, I want my data in a database. I'll simplify the data ingestion by taking advantage of a REST interface to a cloud database. I will walk through choosing a table for the data and enabling a RESTful service on it. Then I'll modify the project to post data to our new service. Once we get some data in the table, I'll display the data in a graph.

You'll leave this session with the tools to track the data in your own projects and hopefully some new ideas. (But no electrical burns!)

Blaine Carter

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4:00-5:00 PM DBA TRACK: Implementing a Robust Oracle12c Multitenant BR/DR Strategy with RMAN

This session presents an in-depth approach to BR/DR operations using a dynamic model to back up and recovery (BR) and disaster recovery (DR) operations applicable to Oracle12c Multitenant standalone and the high-availability cluster environments, involving full, incremental, and cumulative incremental backups, with extension to database cloning for high-availability, backup tagging and encoding for further granularity, such as but not limited to, block-level recovery, backup and restore scripting, and backup validation among others, while engineering a comprehensive CDB and PDB backup. The core focus is solely on establishing a dynamic backup capable of dynamically implementing and executing full database backup, incremental level 1, and cumulative incremental level 1 backups, with custom auto-drop job instantiating or job chains, and will extend its coverage to cloning for high-availability, disaster recovery topics such as RMAN database backup tagging, and various other topics of high-value for a complete corporate backup and recovery paradigm. This strategy will also reveal the significance of private encoding, tagging, and encryption with RMAN, not only to ensure the confidentiality of the backup, but to commit to the highest level of data privacy and security as well.

Anthony D. Noriega

Anthony D. Noriega is a systems engineer and computer scientist who has focused his career in database technology, network computing, software engineering, and object-oriented programming paradigms, as well as machine learning and artificial intelligence. He blogs at http://noriegaaoracleexpert.blogspot.com. Anthony spends most of his time as a database analyst, architect, and developer, and DBA. Anthony holds an MS Computer Science from NJIT, where he was also a doctoral candidate in the field, an MBA from Montclair State University, and a BS in Systems Engineering from Universidad del Norte (Barranquilla, Colombia), and attained graduate credits from Rutgers University (Statistics) and CUNY GC (Mathematics). He is frequently attendee at Columbia University research math and probability seminars. He has been a consultant for several financial and industry-leading American and European corporations.

4:00-5:00 PM DEVELOPER TRACK: An Introduction to Virtual Reality Data Analytics

Two-dimensional data visualizations have their drawbacks for analysts to gain insights when analyzing large datasets or those with many data dimensions. This session will explain how datasets can be explored in virtual reality to help facilitate better insights. Both commercial and open source software technologies will be explored.

Suzanne Prezorski

Suzanne Is a technical lead with over 20 years of industry experience working on software development and business intelligence systems for Telecommunications and other technology companies. Her functional experience extends to Marketing & Advertising, HRIS and Financial & Logistics Systems.