



**The New York Oracle Users Group**  
**Winter General Meeting – December 4, 2019**  
**Oracle USA, New York, NY**  
**Sponsored by Oracle Corporation**  
**AGENDA**

TIME	ACTIVITY	TRACK/ROOM	PRESENTER
8:30 - 9:00	<b>REGISTRATION AND BREAKFAST</b>		
9:00 - 9:15	<b>Opening Remarks General Information</b>	(Single Session) Room 26004 -26006	Simay Alpoge NYOUG President
<b>SESSION 1</b> 9:15 - 10:15	<b>KEYNOTE: An Autonomous Singularity Approaches: Force Multipliers for Overwhelmed DBAs</b>	(Single Session) Room 26004 -26006	James S Czuprynski Viscosity North America
10:15 - 10:25	<b>BREAK</b>		
<b>SESSION 2</b> 10:25 - 11:25	<b>What's New in Oracle Database 19c</b>	(Single Session) Room 26004 -26006	Sean Stacey Oracle Corporation
11:25 - 11:30	<b>BREAK</b>		
<b>SESSION 3</b> 11:30 - 12:30	<b>Compression Usage Insights – Getting the Best Out of Oracle Compression</b>	(Single Session) Room 26004 -26006	Gregg Christman Oracle Corporation
12:30 - 1:30	<b>LUNCH – Room 26004 -26006</b>		
<b>SESSION 4</b> 1:30 - 2:30	<b>Oracle's latest HPC implementation - Clear differentiator for OCI</b>	DBA Room 26004 -26006	Jayshree Chatterjee Oracle Corporation
	<b>Conquer Big Data with Oracle 19c, In-Memory External Tables and Analytic Function</b>	DEV Room 26002	James S Czuprynski Viscosity North America
2:30-2:40	<b>BREAK</b>		
<b>SESSION 5</b> 2:40 - 3:40	<b>AutoUpgrade 19c: Upgrade Hundreds of Databases with a Single Command</b>	DBA Room 26004 -26006	Bill Beauregard Oracle Corporation
	<b>Utilizing Faceted Search for selecting New York City High Schools</b>	DEV Room 26002	Marc Sewtz Oracle Corporation
3:40 - 3:50	<b>BREAK</b>		
<b>SESSION 6</b> 3:50-4:50	<b>Best Practices for Upgrade to Oracle Database 19c</b>	DBA Room 26004 -26006	Bill Beauregard Oracle Corporation
	<b>Succinct Study of Oracle SQL BI API as Evolution</b>	DEV Room 26002	Anthony D Noriega ADN R & D

## ABSTRACTS

### **9:15 - 10:15 AM KEYNOTE: An Autonomous Singularity Approaches: Force Multipliers for Overwhelmed DBAs**

Through presentations and online demonstrations, this session explains:

- What features Autonomous Database brings to bear for the busy Oracle DBA
- What's going on underneath the covers of Autonomous Database
- What Autonomous Database can realistically provide for your Oracle shop ... and what it can't
- Why Autonomous Database is here to stay, and how to leverage it to keep your Oracle DBA career alive

Agenda: 1.) Autonomous Database (AuDB): The Basics

2.) AuDB: A Deeper Look Under the Covers

3.) Demonstration: Auto-Indexing and Auto-Scaling

4.) Monitoring AuDB Instance Performance

5.) Migrating Your Data: Methods and Pitfalls 6.) AuDB: What's Coming in 2020

#### **James S Czuprynski**

Jim Czuprynski has nearly four decades of professional experience in his career in information technology, serving diverse roles at several Fortune 1000 companies before becoming an Oracle DBA in 2001. He was awarded the status of Oracle ACE Director in March 2014 and is a sought-after public speaker on Oracle Database technology features, presenting often at Oracle OpenWorld, IOUG COLLABORATE, ODTUG Kaleidoscope, Hotsos Symposium, Oracle Development Community tours, and Oracle User Group conferences around the world. He is currently the Senior Enterprise Data Architect for Viscosity North America.

### **10:25 - 11:25 AM SINGLE SESSION: What's New in Oracle Database 19c**

Introducing the latest Database from Oracle: Oracle Database 19c.

In this session join Oracle Database Product Management to hear about Oracle Database 19c. Currently slated to be a "Long Term Support Release" meaning there is good reason for customers to consider upgrading to 19c as older database versions including 11x and 12x will be moving into desupported mode. But beyond that, Oracle Database 19c is jam packed with new features and functionality that make the decision to move to 19c so much easier. This session will cover what's new in the database and provide some additional good reasons to upgrade to Database 19c whether running on-premise or in the cloud. The session will also include some roadmap items to look forward to in 2020.

#### **Sean Stacey**

Sean has been working in Oracle for the past 22 years. He is an Outbound Product Manager with the Oracle Database team. He has delivered sessions at NYOUG in the past.

**11:30 AM - 12:30 PM      SINGLE SESSION: Compression Usage Insights – Getting the Best Out of Oracle Compression**

Understanding how Oracle Database data and index compression works, what has changed in the latest versions and discussing compression best practices can help you in getting the best results with Oracle compression. Join Oracle Product Management to gain insights on compression topics that include: when compression occurs during bulk loads and DML inserts/updates, when to use Index Key (prefix) Compression versus Advanced Index Compression, how to track compression using AWR's as well as recent Advanced Row Compression and Hybrid Columnar Compression enhancements with Oracle Database. This session is the perfect opportunity to get all your compression questions answered by Product Management.

**Gregg Christman**

Christman is a Senior Manager in Core Database Product Management at Oracle responsible for Advanced Compression, Hybrid Columnar Compression and Information Lifecycle Management. Gregg has been with Oracle for 12 years, having previously held the position of Director of Competitive Intelligence for Database and Data Warehousing.

**1:30 -2:30 PM      DBA TRACK: Oracle's latest HPC implementation - Clear differentiator for OCI**

1. Overview of Oracle's HPC
2. Performance comparison and workload migration to HPC cluster
3. Test drive HPC on Oracle Cloud Infrastructure in minutes

**Jayshree Chatterjee** Jayshree Chatterjee is a Solution Engineer at Oracle. She is a certified Oracle Cloud Infrastructure Associate Architect and an Autonomous Database Specialist. Jayshree, a former speaker at Oracle Groundbreakers Yatra 2019 and Oracle Code Day 2019, has a passion for public speaking with a profession in technology. She was also a nominee for Rookie of the Year 2019 at Cloud Solution Hub, Bangalore. She is responsible for providing the demonstrations on Oracle Cloud Capabilities, spreading the Autonomous Story, modelling customer POC's, hosting Tech Talks, etc., that enables Oracle's internal and external business operations. Additionally, Chatterjee along with her team conduct a variety of hosting and education services for Oracle customers and user groups. She strives to be the first embracer, extensive influencer, and best advocate of relevant Oracle technologies. She fuels innovation by routinely sharing her insights on Autonomous Database, Docker, Oracle Database, Real Application Testing, Weblogic, etc., to achieve higher IT functionality. She is currently employed at the Cloud Solution Hub Bangalore, developing world-class technical solutions based on technology and innovation, and loves to spread the word about it.

**1:30 -2:30 PM DEVELOPER TRACK: Conquer Big Data with Oracle 19c, In-Memory External Tables and Analytic Function**

There's an onslaught of Big Data coming to our IT shops - zettabytes of it! – but instead of your application developers struggling to learn new languages and techniques to analyze it, why not leverage Oracle Database 18c? This session will demonstrate how to tackle handling the coming Big Data tidal wave with the best tool ever designed to filter, sort, aggregate, and report information: Structured Query Language. We'll also take a closer look at using some new Analytic Functions in 19c to make short work of complex analyses and how best to leverage 19c's latest Database In-Memory features for External Tables.

**James S Czuprynski**

Jim Czuprynski has nearly four decades of professional experience in his career in information technology, serving diverse roles at several Fortune 1000 companies before becoming an Oracle DBA in 2001. He was awarded the status of Oracle ACE Director in March 2014 and is a sought-after public speaker on Oracle Database technology features, presenting often at Oracle OpenWorld, IOUG COLLABORATE, ODTUG Kaleidoscope, Hotsos Symposium, Oracle Development Community tours, and Oracle User Group conferences around the world. He is currently the Senior Enterprise Data Architect for Viscosity North America.

**2:40-3:40 PM DBA TRACK: AutoUpgrade 19c: Upgrade Hundreds of Databases with a Single Command**

The new AutoUpgrade feature for Oracle Database 19c greatly simplifies the task of upgrading one or even thousands of Oracle Databases. No matter how large your database landscape is, or if you have unattended environments, this new license-FREE feature can help you implement recommended best practices while upgrading to the latest release. In this session learn how to use AutoUpgrade, get technical details of its job control and robust logging functionality, and see a live demonstration.

**Bill Beauregard**

Bill Beauregard is a Senior Principal Product Manager with over 30 years of experience at Oracle in Server Technologies product management. I am currently the product manager for Oracle Database Utilities in the Upgrades, Patching and Migrations group. I've presented at Oracle Openworld and at other Oracle User Group events.

**2:40-3:40 PM DEVELOPER TRACK: Utilizing Faceted Search for selecting New York City High Schools**

Participant will learn how to use Faceted Search to efficiently narrow down large data sets, using New York City high school data as an example. They will learn how to use Oracle APEX on the Oracle Autonomous Database to build a faceted search web application.

**Marc Sewtz**

Marc Sewtz is a Senior Software Development Manager for Oracle Application Express (APEX) in the Database Tools group. Marc has over 20 years of industry experience, including roles in Consulting, Sales, and Product Development. Marc joined Oracle Corporation in 1998, works in New York City, and manages a global team of APEX developers and product managers. Marc and his team are responsible for product features such as mobile development, user interface, Oracle Forms modernization, reporting, tabular forms, PDF printing, and the integration with BI Publisher. Marc has a master's degree in computer science from the University of Applied Sciences in Wedel, Germany.

**3:50 - 4:50 PM DBA TRACK: Best Practices for Upgrade to Oracle Database 19c**

Oracle Database 19c is the long-term support release for the Oracle Database 12c and Oracle Database 18c family, so many customers are actively planning their upgrades. This session from the Oracle Database Upgrade development team gives you the inside scoop on how upgrade has evolved (especially if your last upgrade was to 11.2.0.4). Learn what to plan for; get tips, tricks, and insights about upgrade performance tweaks; hear customer experiences; and learn about important parameter and behavior changes as you approach Oracle Database 19c.

**Bill Beauregard**

Bill Beauregard is a Senior Principal Product Manager with over 30 years of experience at Oracle in Server Technologies product management. I am currently the product manager for Oracle Database Utilities in the Upgrades, Patching and Migrations group. I've presented at Oracle Openworld and at other Oracle User Group events.

**3:50 - 4:50 PM**

**DEVELOPER TRACK: Succinct Study of Oracle SQL BI API as Evolution**

A detailed study with a succinct number of examples is provided with use cases based on advancements made to the Oracle SQL BI API from version 12c through 19c with both retrospective and comparative approaches, seeking for variational features for improved maintenance, upgrade, and migrations, and for the relevant optimal query performance tuning. The study is based on several best-practices case studies as recommended by Oracle, and on personal experience working in SQL BI applications in the earlier releases of the Oracle12c database technology family.

**Anthony D Noriega**

Anthony D. Noriega is a Senior IT Consultant and computer scientist focused in Oracle database technology, network computing, software engineering, machine learning and artificial intelligence and probability research. He has been a database centered analyst, architect, engineer, developer, data scientist, and AI professor. He has earned his MBA MIS from Montclair State University (2006), his MS Computer Science from NJIT (1992 doctoral candidate through 1997) and his BS Systems Engineering from Universidad del Norte (1987). He has been a consultant for over 50 USA and European Fortune 500 companies and a frequent speaker at IOUG, Collaborate, Oracle OpenWorld, ECO, Quest International Conference, and NYOUG events. He is also a trilingual writer and a published author of several books including the Alma Mater poetry saga.