



ALABAMA DB2 USERS GROUP

ALABAMA'S HOME FOR DB2 PROFESSIONALS

www.alabamadb2usersgroup.org

FALL MEETING - OCTOBER 4, 2017

www.alabamadb2usersgroup.org

PLACE: Aldridge Gardens
3530 Lorna Rd
Hoover, AL 35216
TIME: 8:30 AM - 4 PM

FALL MEETING AGENDA - 2017

RSVP to: Gail Myers - treasurer@alabamadb2usersgroup.org

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|---------------|---|
| 8:30 - 8:45 | Registration, Continental Breakfast |
| 8:45 - 9:00 | Larry Long , Welcome and Opening Meeting Comments |
| 9:00 - 10:30 | Jerome Gilbert, IBM, North America zAnalytics Technical Leader
Topic: "Enterprise Analytics on z/OS" |
| 10:30 - 10:45 | Break |
| 10:45 - 12:00 | Jamar Smith, IBM Client Technical Specialist and zAnalytics Data Scientist, NA zAnalytics team
Topic : "Machine Learning - Predictive Analytics:" |
| 12:00 - 1:00 | Lunch - Full Moon Bar-B-Que - Provided by IBM |
| 1:00 - 2:15 | Judy H. Nall - Computer Business International, Inc.
Topic: "Universal Table Spaces – Matching the Right Type to Our Data" |
| 2:15 - 2:30 | Break |
| 2:30 - 3:45 | Judy H. Nall - Computer Business International, Inc.
Topic: "Interesting SQL Topics from Db2 12 for z/OS" |
| 3:45 | Meeting Wrap-up/Questions |

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SPEAKERS:

Jerome Gilbert, IBM, North America zAnalytics Technical Leader

Jerome is the leader of the North America zAnalytics technical sales team where he has an Enterprise wide role driving analytics solutions on System z with a focus on creating and delivering data strategies and analytic agendas for IBM's customers. Jerome has been with IBM 5 years and was a professional hire after 25 years in the Financial Services industry where he played a continued role in managing corporate data. Jerome has been a longtime member of IBM's customer councils and continues to be an advocate for the field in the areas of the DB2 engine, DB2 Tools and Real Time Analytics. Jerome and his team are currently delivering the positioning and value statement for bringing Predictive Analytics to the data through the implementation of IBM Machine Learning for z/OS.

Enterprise Analytics on z/OS -

High-level overview of why to bring compute to the data.

Hits on Spark, MLz, IDAA, QMF and Data Federation"

With Enterprise Analytics on z/OS, customers can bring Predictive Analytics to their data and optimize the intersection between their Digital Business and Digital Intelligence.

Jamar Smith, IBM Client Technical Specialist and zAnalytics Data Scientist, NA zAnalytics team

Jamar is a machine learning and IBM System Z evangelist with more than 5 years of experience as a statistician and data scientist working in a variety of industries. At IBM, Jamar works closely with customers to address their business needs around analytics and to demonstrate the value of machine learning on IBM System Z. Prior to joining IBM, Jamar received his Masters of Science in Information Management and a Certificate of Advance Studies in Information Security Management from Syracuse University. He also holds a Bachelor of Science in Statistics from the University of New Mexico in Albuquerque.

Machine Learning - Predictive Analytics:

In order to stay competitive in the current market, organizations are planning or have begun a Digital Transformation journey. This effort has exposed organizations to the truth that they are data intensive, process laden and time insensitive. Too much data, too many iterative steps to process that data and their time dimension does not meet the needs of the business. In their quest to understand the data for better insight, customers are concluding that they are "data rich but insight poor". With core business and functional applications hosted on System z, customer's most critical data is resident on the mainframe. There is an ongoing need to make informed decisions in systems of record (SoR) and increase the level of personal interaction with systems of engagement (SoE). With Enterprise Analytics on z/OS, customers can bring Predictive Analytics to their data and optimize the intersection between their Digital Business and Digital Intelligence.

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SPEAKERS:

Judy Nall, Computer Business International Inc.

Judy has worked with DB2 since 1983. She is an IBM Gold Team member, an IBM Data Champion, is on the IBM z/OS CAC group, on the NA IDUG Planning Committee and DB2 11 for z/OS book author. She is on the Alabama DB2 Users Group board of directors and presents at IDUG, and IBM conferences. Her company CBI provides DB2 education and consulting with instructor led virtual classes with hands-on labs. You can reach her at judynall@cbi4you.com and find DB2 classes and schedules at www.cbi4you.com.

Universal Table Spaces – Matching the Right Type to Our Data:

When do you choose UTS – Range-partitioned vs. UTS Partition by growth?

Discuss the advantages and disadvantages of each

What SQL advantages will there be in using UTS's?

How to convert to each type?

How to choose which type to convert to?

Does using a UTS Partition by growth with a key like ADD-TS to push all new rows to the end hurt when you read?

Partition-By-Range - Relative Page Numbering (PBR RPN) in Db2 12

SQL examples using these types, showing differences and some performance possibilities

Interesting SQL Topics from Db2 12 for z/OS

This presentation will present some of the Db2 12 enhancement to our SQL support.

Db2 12 offers the following enhancements that pertain to SQL:

Advanced trigger support

Pagination

MERGE statement

Non-deterministic expression columns for auditing

KEEPDYNAMIC (YES) after ROLLBACK

Piece-wise data modification

UNION ALL and OUTER JOIN performance enhancements

Predicate optimizations

Optimizer cost model enhancements

Runtime enhancements

Sort space reductions and in-memory use

SQL differences when Migration from Db2 11 to Db2 12

Query regression workloads

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