

# TRIDEX Db2 for z/OS

Featured Speakers:

**Adrian Burke**, *Open Group Master Certified IT Specialist on the Db2 SWAT team*

**Robert Catterall**, *IBM Senior Consulting Db2 for z/OS Specialist*

Third Quarterly User Group Meeting DON'T JUST KEEP UP - STAY AHEAD!

All Meetings are FREE. You must Pre-register to Attend. Walk-in registration will not be accepted. A photo ID is required for building access.

**Third Quarter Meeting October 5th, 2017**

**LOCATION:** IBM Corporation 590 Madison Ave (between 56<sup>th</sup> & 57<sup>th</sup>)

**Room 1219, 12<sup>th</sup> Floor**

## **TRIDEX AGENDA**

- |               |   |
|---------------|---|
| 8:30 – 9:00   | Coffee (Provided by SEGUS, Inc.)  |
| 9:00 – 10:15  | Adrian Burke, Open Group Master Certified IT Specialist on the DB2 SWAT team<br><b><i>zIIP Experiences: Exploitation Not Abuse</i></b>                                |
| 10:15 – 10:25 | Break   |
| 10:25 – 11:25 | Ulf Heinrich, Director of Solutions Delivery at SOFTWARE ENGINEERING GmbH<br><b><i>Db2 12 Continuous Delivery – New challenges for deployment</i></b>                 |
| 11:30 – 12:45 | Robert Catterall, IBM Senior Consulting Db2 for z/OS Specialist<br><b><i>Let Me Make THIS Clear – More Oft-Misunderstood Db2 for z/OS Concepts and Facilities</i></b> |
| 12:45 – 1:30  | Lunch (provided by SEGUS, Inc.)   |
| 1:30 – 2:45   | Robert Catterall, IBM Senior Consulting Db2 for z/OS Specialist<br><b><i>Db2 for z/OS Gets Agile: Data-as-a-Service and Database-as-a-Service</i></b>                 |

Please distribute the fliers to others in your organization who may wish to attend. Pre-registration is required for security reasons. **Email:** [tridex@comcast.net](mailto:tridex@comcast.net).

# Abstracts & Biography

## **Title: zIIP Experiences: Exploitation Not Abuse**

### **Abstract:**

With the constant focus on controlling MIPs consumption on today's mainframe, IT staffs are being pressed to get every cycle possible out of their System z Integrated Information Processor (zIIP) specialty engines and the now defunct System z Application Assist Processors (zAAP). DB2 for z/OS and related processes that run on System z can take advantage of these processors, and will be covered in depth during the presentation. There are two methodologies involved in maximizing off-load potential: 1) ensure everything that is currently eligible is getting access to zIIP cycles and tune appropriately 2) then look at other avenues to increase potential off-load. We will delve into both of these to investigate maximum zIIP exploitation and discuss the reality of current customer environments. We also need to understand what new functions are being offloaded in each release (up through V12) and what the demise of the zAAP means for us.

### **Biography:**

Adrian Burke is an Open Group Master Certified IT Specialist on the DB2 SWAT team based out of the Silicon Valley Lab, lead by John Campbell. In this role as a technical advocate for DB2 for z/OS Adrian conducts consulting and educational workshops, DB2 health checks, and availability studies for DB2 for z/OS customers. Previously, as a DB2 Advisor, Adrian supported hundreds of DB2 for z/OS customers from a technical sales perspective delivering consultative and educational workshops. Adrian has spoken at numerous DB2 Regional User Groups both in the U.S. and abroad as well as presented at IDUG, SHARE, and IOD. He is also a published Redbook author on material dealing with DB2 performance.

Nate,

Please find the abstract below. Concerning the DVDUG meeting, I guess you're talking about the 6<sup>th</sup>, not the 10<sup>th</sup>.

## **Title: Db2 12 Continuous Delivery – New challenges for deployment**

### **Abstract:**

Fundamental changes in the Db2 z world often lead to concerns. Let's face it – some changes force us to change! While a Db2 version migration usually took months, or even years, there will be no new Db2 version after 12, but continuous code drops.

This will have a tremendous impact on migration strategies, because we have to find a reliable way to test these code deliveries in a fraction of time. If we make it, Business Divisions will become enthused at how quickly new technology becomes available for new applications. This presentation will describe the difference between Code, Catalog, Function and Application Levels, how you can control them and how you can fallback in case of anomalies. It also illustrates how we still can be pro-active in testing without burning weeks and months.

Learn how to choose from four different levels of testing and a new way of automation. CD-Screening allows you to pick and choose from KPI based test automation. The levels include simple anomaly alerting, access path verification, clone Pre-apply and even workload capture/replay to easily discover different behaviour resulting from a new code Level.

## Presentation Outline

Joining this presentation, you'll learn how to align Continuous Delivery to your Continuous Availability.

1 – Agile, Continuous Delivery, DevOps – just buzz words, or new methodologies?

2 – Db2 Code, Catalog, Function and Application Levels – differences and dependencies.

3 – Activation/Deactivation of new code and how to fallback and when you can't.

4 – Different flavors of (pro-active) CD-Screening and how it can be automated:

\* Anomaly alerting based on Incompatibility Change Indicators (ICIs)

\* Dyn./Stat.Access Path Change Detection e.g.via Plan Management

\* Clone based code change pre-apply exploiting Backup System

\* Workload-KPI verification using SQL replay and KPI comparison

## Biography:

Ulf Heinrich is the Director of Solutions Delivery at SOFTWARE ENGINEERING GmbH. He specializes in Db2 recovery issues and database maintenance, focusing on the growing requirement for cost reduction and 24x7 operations. As a consultant at large customer sites, he has implemented database maintenance procedures and recovery strategies, and also experienced the pitfalls of recovery scenarios under real-world recovery pressure. His activities cover EMEA, as well as North America through SE' U.S. subsidiary, SEGUS Inc. He is involved in the development of SE' maintenance and recovery Solutions.

## Title: Let Me Make THIS Clear – More Oft-Misunderstood Db2 for z/OS Concepts and Facilities

### Abstract:

At a Tridex meeting earlier this year, I talked about Db2 for z/OS concepts and facilities that many people know of but are not clear on. I'm back with more of the same, again based on questions I get from Db2 users around the world. From pooled and high-performance DBATs to large page frames, from data set open and close to prefetch reads and array data types, I'll try to take folks from "Uh" to "Oh!"

## Title: Db2 for z/OS Gets Agile: Data-as-a-Service and Database-as-a-Service

### Abstract:

This session will describe recent Db2 for z/OS enhancements that enable developers to respond to an organization's application requirements with greater speed and agility. Db2 capabilities related to both data-as-a-service (Db2's native REST interface, z/OS Connect, and what it all means for DB2 Connect) and database-as-a-service (automated provisioning, automated deployment, and strategic direction) will be covered.

## Biography:

Robert Catterall is a DB2 for z/OS Specialist zChampion IBM. He started his IT career with IBM in 1982, and worked throughout the 1990s as a member of the Company's DB2 for z/OS National Technical Support team. From 2000 to 2007, Robert worked as a database technology strategist for CheckFree (now part of Fiserv). After working for three years as an independent DB2 consultant, he rejoined IBM in 2010. Robert is a past President of IDUG, a member of IDUG's Speakers Hall of Fame, and was one of IBM's inaugural Information Champions. He presents frequently at conferences, is a longtime columnist for IBM Data Magazine, and blogs about DB2 for z/OS at <http://robertsdb2blog.blogspot.com/>

**TRIDEX z/OS REGISTRATION FORM Monday October 5th, 2017**

Complete the registration form below and Email it to: [tridex@comcast.net](mailto:tridex@comcast.net). For questions call 856-234-2353.

Registration: DB2 for Tridex z/OS Users Group Monday October 5<sup>th</sup> meeting.

Name \_\_\_\_\_

Company \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ MS/PO Box \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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