

# NEODBUG

E L E C T R O N I C

## Newsletter of the Northeast Ohio Database Users Group

### Wowie, it's Zowe at September 19 Quarterly Meeting

Those of us "of a certain age" remember the campiness of Adam West, Burt Ward and a rogue's gallery of villains on the television series Batman (1966-1968). One of the lasting characteristics of the series was the use of animated words interspersing the fight scenes to emphasize the fierceness (?) of the scripted melees. You saw "BIFF" "WHAP" and "ZOWIE" as the Dynamic Duo saved Gotham City by punching the lights out of Joker, Riddler, Penguin, et al.

\* \* \*

Instead of "ZOWIE", NEODBUG will introduce all attendees at our next quarterly meeting (September 19) to Zowe. What is Zowe? From the website [zowe.org](http://zowe.org) comes this definition:

*Zowe is an open source project created to host technologies that benefit the Z platform from all members of the Z community (Integrated Software Vendors, System Integrators and z/OS consumers). Zowe, like Mac OS or Windows, comes with a set of APIs and OS capabilities that applications build on and also includes some applications out of the box.*



September, 2019 issue  
[www.neodbug.org](http://www.neodbug.org)  
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*Zowe offers modern interfaces to interact with z/OS and allows you to work with z/OS in a way that is similar to what you experience on cloud platforms today. You can use these interfaces as delivered or through plug-ins and extensions that are created by clients or third-party vendors.*

*Zowe consists of the following main components.*

#### *Zowe App Framework*

*A web user interface (UI) that provides a virtual desktop containing a number of apps allowing access to z/OS function. Base Zowe includes apps for traditional access such as a 3270 terminal and a VT Terminal, as well as an editor and explorers for working with JES, MVS Data Sets and Unix System Services.*

#### *API Mediation Layer*

*Provides a gateway that acts as a reverse proxy for z/OS services, together with a catalog of REST APIs and a dynamic discovery capability. Base Zowe provides core services for working with MVS Data Sets, JES, as well as working with z/OSMF REST APIs. The API Mediation Layer also provides a framework for Single Sign On (SSO).*

#### *Zowe CLI*

*Provides a command-line interface that lets you interact with the mainframe remotely and use common tools such as Integrated Development Environments (IDEs), shell commands, bash scripts, and build tools for mainframe development. It provides a set of utilities and services for application developers that want to become efficient in supporting and building z/OS applications quickly. The CLI provides a core set of commands for working with data sets, USS, JES, as well as issuing TSO and console commands.*

So what does this have to do with database, and Db2 for z/OS specifically?

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Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)

Zowe has a CLI Plug-in for Db2 to perform many tasks:

- Execute SQL and interact with databases.
- Execute a file with SQL statements.
- Export tables to a local file on your computer in SQL format.
- Call a stored procedure and pass parameters.

In addition, Zowe can interact with IBM's CICS and TSO, issue z/OS console commands and more.



We are pleased to present **Dan Kelosky of Broadcom** to open the world of Zowe to us. Dan's presentation will be **"All About Zowe"**. In Dan's own words, "I work in the Software Architecture team for Broadcom's Open Mainframe group and belong to the Zowe Onboarding team. My background is as z/OS assembler programmer and now a Zowe committer. I joined the z/OS platform in 2009 and qualify as a millennial ☺.

\* \* \*

Our second presentation of the day will be **Dustin Ratliff of Progressive**, who will speak on the topic **"Staying in the Driver's Seat, a User's Experience on How to Set Up and Maintain Your Db2 for z/OS Driver Environment"**.



Handling a driver environment with Db2 for z/OS can be complex and challenging. How do I select the right drivers and driver level for me? How do I roll those drivers out efficiently and effectively and ensure standardization across my environment? Once implemented, how can I track my driver usage and ensure that I don't run out of support or with drivers that don't meet the minimum requirements for my database? How do I handle all of this with continuous delivery? Join me as I share my user experiences and answer all these questions. I will discuss not only the technical aspects but also the procedural aspects of how to efficiently and effectively maintain your driver environment with Db2 for z/OS and food for thought as we all move into a continuous delivery world.

Dustin Ratliff is a Db2 for z/OS systems programmer for Progressive Insurance. He has been working with Db2 for z/OS, as well as being responsible for Progressive's Db2 driver environment for 6 years now. Dustin is also an IBM Champion, the chair for the conference planning committee for the North American IDUG and on the Board of Trustees of the Northeast Ohio Db2 Users Group.

\* \* \*

After lunch, our own NEODBUG Chairman, **Bill Moran of BMC**, will give a presentation and lead a discussion on the topic **"Db2V12 Overview, Insights and Discussion"**.

This presentation is a high-level overview of Db2V12 including latest maintenance, continuous delivery, migration and experiences. This will be not only presentation format but open discussion format and group interaction. Come prepared to not only hear latest updates but interact with the group for sharing on relative and pertinent Db2V12 information.



Bill Moran is a Principal Software Consultant with BMC Software. Bill has over 30 years experience in the IS environment, including operations, applications and database. Currently at BMC, Bill's responsibilities include consulting to BMC's customers on issues relating to IBM DB2 frameworks and their corresponding BMC products. He has supported numerous customers in Administration, Performance and Recovery setup and implementation including major US banks, financial institutions, and major retailers; taught BMC education in North America and Europe

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Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)

Our quarterly meeting will be held at our regular location, the Crowne Plaza-Cleveland South in Independence. Remember, the cost of this day of presentations and lunch is only \$25 in advance for employees of NEODBUG member companies and \$35 in advance for non-members. Refer to the Treasurer's Report to see if your company is a NEODBUG member.

\* \* \*

If you read the July, 2019 issue of the NEODBUG newsletter (available [here](#)), you know that there is a real possibility that we will cease operations at the end of year, due to members of the Board of Trustees retiring from their jobs and no one from the membership willing to step up and take their place. Do you want NEODBUG to die? If not, you can place yourself in nomination for the 2020 Board of Trustees by sending us an email of interest to [info@neodbug.org](mailto:info@neodbug.org) by November 21, 2019. Those that show interest in being on the Board will be invited to the remaining 2019 Board meetings to "see how it's done". Their names would be included in the nominating slate and voted on by the membership at the December 5 quarterly meeting—think about it!

\* \* \*

We hope you will join us on September 19 when we will dive into new technology, linking z/OS components (including database) with other platforms. Invite other z/OS stakeholders to our meeting, as Zowe provides interfaces to many mainframe products and services. And you don't have to look for the Batsignal high above Gotham, er Cleveland: you know where our meeting will be. 

## NEODBUG Treasurer's Report

Here are the current financials for NEODBUG as of July 30, 2019.

### ASSETS

PayPal	\$ 0.00
Checking Account	\$ 8,606.30
Money Market Account	\$ 4,047.90
<b>Total Assets</b>	<b>\$12,654.20</b>

### LIABILITIES

Membership Prepayment	\$ 250.00
<b>Total Liabilities</b>	<b>\$ 250.00</b>

**NET WORTH** \$12.404.20

We had a good turnout for the May 16th quarterly meeting with seventeen paid attendees from seven companies.

The following companies/individuals have sent in their corporate or individual memberships. If you don't see your company name, you will have to pay the higher, non-membership registration fees at the upcoming quarterly meeting. Those companies that pre-paid to send members to NEODBUG meetings have the number of remaining coupons next to their names. The coupons expire 12/31/2019:

Companies/ Individuals that have paid memberships:

BMC Software	
Erie Insurance	(4 Coupons left)
Jim Szabo	
Medical Mutual	(6 Coupons left)
Parker Hannifin	
Al Solnick	
Treasurer	

**Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)**

## September 19, 2019 Quarterly Meeting Agenda

- 8:30 - 9:00 Registration
- 9:00 - 9:15 Opening Remarks
- 9:15 - 10:30 “All About Zowe” Dan Kelosky  
Broadcom
- 10:30 - 10:45 Break
- 10:45 - 12:00 “Staying in the Driver's Seat, a User's Experience  
on How to Set Up and Maintain Your Db2  
for z/OS Driver Environment” Dustin Ratliff  
Progressive
- 12:00 - 1:00 Lunch/Networking
- 1:00 - 2:15 “Db2V12 Overview, Insights and Discussion” Bill Moran  
BMC Software
- 2:15 - 2:30 Closing Remarks/Door Prizes

**Location:** Crowne Plaza Cleveland South—Independence  
5300 Rockside Rd.  
Independence, OH 44131  
(216) 524-0700  
[www.ihg.com/crowneplaza/hotels/us/en/independence/clerr/hoteldetail](http://www.ihg.com/crowneplaza/hotels/us/en/independence/clerr/hoteldetail)

**Cost:** \$25—employees of NEODBUG member companies, advance registration  
\$35—others, advance registration

\$35—employees of NEODBUG member companies, at-the-door  
\$45—others, at-the-door

Pre-registration closes September 16, 2019.

**Payment:** Any credit card, if “PayPal” option specified when registering (if you have a PayPal account or not), or mail checks in advance to:

NEODBUG  
P.O. Box 221331  
Beachwood, OH 44122-0997

**Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)**

## Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
09/09/2019	Cleveland Big Data and Hadoop User Group—Cleveland, OH <a href="http://www.meetup.com/Cleveland-Hadoop/">www.meetup.com/Cleveland-Hadoop/</a>
09/16-19/2019	Oracle Open World—San Francisco, CA <a href="http://www.oracle.com">www.oracle.com</a>
09/17/2019	ONSSUG Akron-Canton—Akron, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
09/18-20/2019	Postgres Conference Silicon Valley—San Jose, CA <a href="http://postgresconf.org">postgresconf.org</a>
<b>09/19/2019</b>	<b>Northeast Ohio Database Users Group (NEODBUG) quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a></b>
09/23-24/2019	International DB2 Users Group (IDUG) & IBM Data Tech Summit—Toronto, ONT Canada <a href="http://www.idug.org">www.idug.org</a>
10/01/2019	ONSSUG Cleveland—Independence, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
10/02-04/2019	IDUG & IBM Data Tech Summit—Silicon Valley Lab, CA <a href="http://www.idug.org">www.idug.org</a>
10/15/2019	ONSSUG Akron-Canton—Akron, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
10/20-24/2019	IDUG Europe/Middle East/Asia (EMEA) DB2 Tech Conference—Rotterdam, The Netherlands <a href="http://www.idug.org">www.idug.org</a>
11/04-08/2019	Microsoft Ignite—Orlando, FL <a href="http://ignite.microsoft.com">ignite.microsoft.com</a>
11/05/2019	ONSSUG Cleveland—Independence, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
11/05-08/2019	Professional Association for SQL Server (PASS) Summit—Seattle, WA <a href="http://www.sqlpass.org">www.sqlpass.org</a>
11/10-15/2019	TDWI Conference—Orlando, FL <a href="http://www.tdwi.org">www.tdwi.org</a>
11/19/2019	ONSSUG Akron-Canton—Akron, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
12/03/2019	ONSSUG Cleveland—Independence, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
<b>12/05/2019</b>	<b>NEODBUG quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a></b>
12/17/2019	ONSSUG Akron-Canton—Akron, OH <a href="http://ohionorth.pass.org">ohionorth.pass.org</a>
02/09-14/2020	TDWI Conference—Las Vegas, NV <a href="http://www.tdwi.org">www.tdwi.org</a>
03/22-27/2020	Enterprise Data World—Boston, MA <a href="http://www.enterprisedataworld.com">www.enterprisedataworld.com</a>
03/23-27/2020	Postgres Conference 2020—New York, NY <a href="http://postgresconf.org">postgresconf.org</a>
05/10-15/2020	TDWI Conference—Chicago, IL <a href="http://www.tdwi.org">www.tdwi.org</a>
06/07-11/2020	IDUG North America DB2 Tech Conference—Dallas, TX <a href="http://www.idug.org">www.idug.org</a>

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