OCEAN Tech Con 2017
IBM Power Systems - IBM i - Open Source
July 20, 21, 22 - Costa Mesa, California

#OCEANTech17

This year's conference offers the greatest value of all our 22 conferences!

July 20, 2017 - **Thursday** – 8:00 AM – 5:00 PM – National University Costa Mesa – **2017 Tech Trends:** Showcase featuring the latest IBM i technical products to enable your company to meet today's demanding business needs. Plus, professional development topics to enhance your business skills.

July 21, 2017 - **Friday** – 8:00 AM- 5:00 PM - National University Costa Mesa -- Technical presentations focusing on all aspects of IT from strategic directions to details on today's latest technologies. Vendor Solutions Expo featuring leading IBM i vendors. Networking Reception and Casual Buffet Dinner.

July 22, 2017 - Saturday – 9:00 AM – 3:00 PM - National University Costa Mesa – Workshops and Hands-on Learning Labs to tune up your skillsets.

Over 45 Sessions & Over 20 Speakers, including these highlights.

Open Source: Constellations on i – Orion Git & RPG, WebSockets Node.js IBM i & Watson, PHP & RPG Integration Examples, Apache Web Server Magic on IBM i, Bootstrap, Intro to Git, Intro to Python
Modern Programming Tools & Techniques: Fun!(damental) & Fun!(ctional) Table-Driven Programming, ABC's of RDi Shortcuts, Working with JSON in RPG with YAJL, RPG! It's Alive with New Treasures!

SQL & DB2 Database Topics: What's New in DB2 for i, My Database Tools are Better than Your Database Tools, Modernize Apps with SQL Services, The SQL Procedures Language in a Nutshell
Systems Management: IBM i Services Top Use Cases, Manage PTF's & Monitor Systems with ARE, Connecting Your IBM i to the Cloud, How to Deploy Security Profiles Properly

Professional Development: Water Cooler Topics, Moving from Developer to Manager, How NOT to Write an Email, Agile Development, Career Trends, Relax Your Neck-Back-Shoulders at the Keyboard
Top Tech 2017: DevOps on the IBM i - Continuous Integration (CI), On the Road to IBM i Modernization Success, Create IBM i Web & Mobile Dashboard Apps with No Programming, The Role of APIs & Web Services in the Era of Digital Business Transformation, Low Code Web Development, eMobile Applications: Empowering Field Personnel, Profound.js: The Future of Open Source Development on IBM i

Saturday Labs & Workshops: DB2 & SQL Workshop, IBM i Systems Mgmt./Access Workshop, HTML/CSS/JavaScript Hands-on Lab, PHP Hands-on Lab

Register at www.oceanusergroup.org and get training for your entire staff at an affordable rate.

Member Pricing* (excludes Saturday) $195 through June 23rd
$245 beginning June 24th

Non-members - Add $100 to all prices. One-year OCEAN memberships are $80 for individuals and $250 for corporations. Corporate memberships allow any number of your staff to attend at member rates.

Labs/Workshops - Saturday, July 22nd
$50 – Limited to conference attendees only. Beginning July 8th, non-attendees may register for a fee of $75, pending available space. Labs have sold out in the past. Register now to secure your seat!

Time	**2017 Tech Trends** Top technologies for 2017 & beyond.	**Professional Development** Topics to enhance your business skills.
8:00 AM to 9:00 AM	**DevOps on the IBM i - Continuous Integration (CI): Building a Strategy for IBM i using Arcad Software, Git, Jenkins and JIRA** Floyd Del Muro, Christian Weber **Arcad Software**	**Water Cooler Topics – I'll Show You Mine if You Show Me Yours** Charles Guarino
9:10 AM to 10:10 AM	**On the Road to IBM i Modernization Success** Eamon Musallam **Fresche Solutions**	**Moving from Developer to Manager** Ron Anderson
10:20 AM to 11:20 AM	**Create IBM i Web and Mobile Dashboard Apps with No Programming (unless you want to)** Robert Swanson **- CNX**	**How to Give an Effective (Great) Presentation AND How NOT to Write an Email** Curt Schwinck
11:30 AM to 12:30 PM	**The Role of APIs and Web Services in the Era of Digital Business Transformation** Robert Young, Dan Magid **Rocket Software**	**Agile Development** Alex Shojaei
12:30 PM To 1:30 PM	**Lunch & Networking**	
1:30 PM to 2:30 PM	**Low Code Web Development** Grant Smith **LANSA**	**Using DB2 & SQL with Open Source Languages on IBM i** Alan Seiden
2:40 PM to 3:40 PM	**eMobile Applications, Empowering Field Personnel** David Engberg **Vanguard Systems**	**Making the Most of Your Career: A Roadmap to Success** Bob Langieri
3:50 PM to 4:50 PM	**Profound.js: The Future of Open Source Development on IBM i** Alex Roytman **Profound Logic**	**At Ease! Relax your Neck-Back-Shoulders at the Keyboard** Alan Seiden

Friday July 21, 2017 – OCEAN Tech Con 2017
Session Schedule - Final - Updated as of July 14, 2017

Time	TRACK 1 *DB2 & SQL*	TRACK 2 *Modern Programming*	TRACK 3 *Open Source*	TRACK 4 *Node.js & Web*	TRACK 5 *New Technology*	TRACK 6 *Systems Management*
8:00 AM to 9:15 AM	**DB2 & PHP Essentials** Alan Seiden	**RPG! It's Alive with New Treasures!** Charles Guarino	**Overview of Open Source on IBM i** Jesse Gorzinski	**Node.js transacts with DB2 & RPG** Aaron Bartell	**IBM i Security for Programmers** Robin Tatum	**IBM i Services – Systems Admin and App Dev Top Use Cases** Scott Forstie
9:15 to 9:45	**Vendor Expo and Coffee Break**					
9:45 AM to 11:00 AM	**What's New in DB2 for i** Scott Forstie	**The ABC's of RDi Shortcuts** Charles Guarino	**Constellations on i – Orion, Git and RPG** Jesse Gorzinski	**WebSockets Node.js IBM i & Watson** Aaron Bartell	**Apache Web Server Magic on IBM i** Alan Seiden	**High Availability and Disaster Recovery Trends & Technology** John Dunn
11:15 AM to 12:30 PM	**Modernize Application Development with SQL Services** Scott Forstie	**Say Yes To Change** Ted Holt	**PHP & RPG Integration Examples** Mike Pavlak	**The World of Node.js on IBM i** Scott Klement	**Connecting Your IBM i to the Cloud** Dave Romo	**How to Deploy Security Profiles Properly** Robin Tatum
12:30 To 1:45	**Lunch and Vendor Expo**					
1:45 PM to 3:00 PM	**My Database Tools are Better than Your Database Tools** Scott Forstie Jesse Gorzinski	**Fun!(damental) & Fun!(ctional) Table-driven Programming** Ted Holt	**Intro to Python** Mike Pavlak	**Working with JSON in RPG with YAJL** Scott Klement	**JavaScript for Beginners** Greg Patterson	**IBM i Security: The Good, the Bad & The Downright Ugly** Robin Tatum
3:00 to 3:30	**Vendor Expo and Refreshment Break** Prize Drawings in the Vendor Expo Room at 3:15 PM					
3:30 PM to 4:45 PM	**REST Web Services for Everyday RPG and SQL Consumption** Charles Guarino	**The SQL Procedures Language in a Nutshell** Ted Holt	**Mobile First With PHP & IBM i** Mike Pavlak	**Intro to Git** Aaron Bartell	**Designing Responsive IBM i Mobile Web Applications** Greg Patterson	**Manage PTF's and monitor Systems with Administration Runtime Expert** Jesse Gorzinski

The OCEAN User Group reserves the right to make changes to the Session Schedule. View updates at
oceanUserGroup.org

Saturday, July 22, 2017 – National University – Boot Camp Options
9:00 AM – 3:00 PM, includes lunch at 11:45 AM – Final - Updated as of July 14, 2017

1. DB2 & SQL – Workshop – Scott Forstie

Learn about the latest DB2 for i features directly from the DB2 for i Business Architect. Discover how time-based business requirements can be solved with a data-centric technology and SQL on IBM i, plus how security and auditing requirements can be solved by that same technology. Working examples of Row and Column Access Control (RCAC) will be included, making this workshop a valuable investment. Plus, technologies that can be used to answer tough data security questions and satisfy the important mandates for securing data will be discussed. Finally, you will learn how local table partitioning can help you improve performance and reduce save time. Get the SQL detail you need to properly gauge the options of what's possible in DB2 for i.

SCHEDULE
- 9 – 10:15 am - Time Travel with DB2 for i – Temporal Tables on IBM i 7.3
- 10:30 – 11:45 am - DB2 for i – Row and Column Access Control
- 12:15 -1:30 pm - Securing Sensitive Data in DB2 for i
- 1:45 – 3:00 pm - VLDB and IBM i 7.3

2. IBM i Systems Management/Access – Workshop – Jesse Gorzinski

If you are a Systems Administrator, Systems Engineer, or Manager, you will want to attend this workshop to become familiar with IBM i Access Client Solutions which is the future of the IBM i Access Family Software on workstation operating systems. Discover the numerous features that make the Access Client Solutions Emulator the best on the market and learn about migration paths. This will be followed by an interactive demo of the IBM i Mobile Access Solution which allows both management of your IBM i systems and user access from any mobile device. Plus, you'll be exploring the tools included in 5733ops Option 7 and will discover how to simplify your IBM i access, management, and applications development.

3. HTML/CSS/JavaScript – Hands-on Lab – Patrick Behr

In this lab you will learn the basics of HTML, CSS, and JavaScript. We will cover the basic structure of a web page using HTML, and discuss some of the functionality and semantics provided in HTML5. We'll learn how to make our web pages look stunning using CSS, and how to make it easy to make application-wide changes with modular CSS using SASS, SMACSS, and BEM. Then we make our web page interactive (and reactive) using JavaScript. We'll cover the syntax of JavaScript and look at how JavaScript runs using the event loop and asynchronous functions.

4. PHP – Hands-on Lab – Mike Pavlak

Learn the PHP Skills every developer needs for open source web development. Students will connect to an IBM i LPAR running PHP in the cloud. This workshop includes 4 presentations with 4 corresponding lab sections covering all the fundamentals of PHP including variable use, arrays, function declarations, calls and more. As the IBM i is a significant part of our goals in these discussions we will explore the use of the new Open Source toolkit for calling RPG programs and CL Commands as well as database access using DB2 and MySQL. We will also explore the Object-Oriented model of PHP.