

September 2018 LUG Meeting Agenda and Abstracts

This meeting agenda was updated on August 27th, 2018.

This document does not reflect changes to the agenda or abstracts after this date.

The most current information is available on the LUG web site.

Agenda

This document contains the agenda for the September 2018 meeting.

Most sessions and speakers are confirmed. However, all sessions and times are subject to change.

Dates:

09 September 2018 through 14 September 2018

Times:

Sunday Evening – Rochester, MN.

6:00 PM meeting preview and 1st time attendee meeting.

7:00 PM Reception.

Monday through Friday sessions and breakouts - IBM site

6:45 AM to 7:45 AM breakfast daily Monday - Friday.

8:00 AM meeting start every day.

5:00 PM close on Monday and Thursday.

Approximately 5:15 PM close on Tuesday.

6:00 PM close on Wednesday.

11:00 AM close on Friday.

Evening Events

6:30 PM Monday dinner in Rochester, MN. Registration is required.

4:00 to 6:00 PM **Wednesday** Ask the Experts **at IBM**.

6:30 PM Thursday dinner in Rochester. Registration is required.

Location:

All Monday through Friday sessions and breakouts are at the IBM site in Rochester, MN.

Evening events are at various locations in Rochester, with the exception of Ask the Experts at the IBM site.

Dress code:

Business casual

P13														September 2018 Meeting Planner Focus = Application Development													
Sunday		Monday September 10				Tuesday September 11				Wednesday September 12				Thursday September 13				Friday September 14									
TBD		IBM - 025-2				IBM - 025-2				IBM - 025-2				IBM - 025-2				IBM - 025-2									
Time		Track 1		Track 2		Time		Track 1		Track 2		Time		Track 1		Track 2		Time		Track 1		Time					
6:45						6:45						6:45						6:45				6:45					
7:00		Registration & Breakfast				7:00		Breakfast				7:00		Breakfast				7:00		Breakfast		7:00					
7:30						7:30						7:30						7:30				7:30					
8:00		Welcome				8:00		POWER Systems Update				8:00		Member Minute				8:00		Enterprise Cloud Ready NodeJS		8:00					
8:30		DevOps				8:30		Work Group Updates				8:30		POWER9		DevOps on i		8:30		RPMS, Yum, and the future of managing Open Source on i		Why PEX should be in your toolbox		8:30			
9:00						9:00						9:00						9:00				9:00					
9:15						9:15						9:15						9:15				9:15					
9:30						9:30		Break and Netw orking				9:30		Break and Netw orking				9:30		Break and Netw orking		9:30					
9:45		Break and Netw orking				9:45						9:45						9:45				9:45					
10:00						10:00						10:00						10:00				10:00					
10:15		Modernization on IBM i				10:15		RPG Updates		Protecting your Data w ith Guardium		10:15		RPG Best Practices		Git - How to Use		10:15		LUG Business		10:15					
10:30						10:30						10:30						10:30		Attendance Required for LUG members		10:30					
11:00		IBM i Update				11:00		Watson Data Platform and Db2 for i				11:00		Test Driven Development - Best Practices for RPG and IBM i Dev		Building Apps w ith NodeJS		11:00				11:00					
11:30						11:30						11:30						11:30				11:30					
12:00		Lunch				12:00		Lunch		Photos		12:00		Lunch		International Members		12:00		Lunch		12:00					
12:30						12:30						12:30						12:30				12:30					
12:45						12:45						12:45						12:45				12:45					
1:00		High Availability Update				1:00		JDBC connection & auto fail over		Encryption on IBM i Overview		1:00		MQ 9.1 -Latest and Greatest		The What's, Why's and Where of Python on IBM i		1:00		Requirements		1:00					
1:30						1:30		ACS Latest and Greatest w ith App Dev Focus		Buying Time for Security (PowerSC/CART)		1:30		Harness the Pow er of RDI PDM Perspective				1:30		Take a REST w ith IBM MQ on IBM i		End-to-End Monitoring Work Group		1:30			
2:00						2:00						2:00						2:00				2:00					
2:30		Break and Netw orking				2:30		Break and Netw orking LUG 75th				2:30		Break and Netw orking				2:30		Break and Netw orking		2:30					
3:00		Open Source Strategy		IASPs and IBM i		3:00		Security Considerations for Application Developers		Run aw ay Queries Got You Dow n? (Db2 Web Query)		3:00		Getting your environment set up for Open Source on i		Tours		3:00		Connecting from Open Source Languages to IBM i objects		Consuming and Publishing JSON w ith Db2 for i		3:00			
3:15						3:15						3:15						3:15				3:15					
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4:00		Db2 for i Update				4:00		SQL Services for the App Dev				4:00		Ask the Experts				4:00		Getting started w ith Machine Learning from IBM i		ACS Administration		4:00			
4:15						4:15						4:15						4:15				4:15					
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5:15						5:15		First Time Attendees				5:15						5:15				5:15					
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6:00		First Time Attendees				6:00						6:00						6:00				6:00					
6:30						6:30						6:30						6:30				6:30					
7:00		Reception		Dinner DoubleTree		7:00		Open Evening				7:00						7:00		Dinner Marriott		7:00					

Abstracts

Color Coding
Yellow cells are main tent presentations
Green cells are breakout presentations

Sunday, September 9, 2018

Session Title	Abstract
First Time Attendee Meeting <small>Updated 06/28/2018</small>	This session provides the first time attendee and experienced LUG members with an overview of what to expect during the week, LUG operations, and the web site. The focus is on actions you should take during the week.
LUG Member Reception - LUG members and IBM <small>Updated 06/28/2018</small>	This is an opportunity to have informal discussion with other LUG members, renew old acquaintances, and meet some of the IBM development team. There are no presentations, no agenda, just discussion, refreshments and hors d'oeuvres.

Monday, September 10, 2018

Session Title	Abstract
Registration and Breakfast <small>Updated 08/17/2018</small>	Things to do on arrival at the meeting this morning: Bring a photo ID (such as driver's license) or passport (for non-US members) Pick up your registration packet Meet your IBM Advocate ... be sure to contact them before the meeting Find a place to sit near the front Pick up a connector device for voting and asking questions (connector number is on the back of your connector card)
Welcome and Introductions <small>Updated 06/28/2018</small>	This session will include important information and administrative details about the meeting, including <ul style="list-style-type: none"> • Logistics for the week • Introduction of LUG board • Introduction of new LUG member companies • Remarks from selected LUG member companies • IBM executive welcome
DevOps Rosalind Radcliffe <small>Updated 08/15/2018</small>	
Break and Networking	
Modernization on IBM i Tim Rowe <small>Updated 08/17/2018</small>	There are many myths about IBM i. What is it capable of when it comes to the world of Applications. The good news, the IBM i is celebrating its 30th birthday and all of those applications written back then still work today! Of course, the bad news is all of those applications written back then still run today. Developers have not been forced to make radical changes on IBM i, so often they think that new is not possible. We will spend a few minutes looking at all the options for writing the very latest in Modern programs on IBM i yet without having to throw away everything you have today. Modernization on IBM i is very much a Possible Mission.

IBM i Update Steve Will, Alison K Butterill Updated 08/16/2018	2018 has been a busy year for the IBM i team. We're continuing the celebration of the 30th anniversary of the platform with clients and partners all over the world. We've rolled out the IBM i POWER9 support, and we're working hard to complete development for the next release. In this session, Steve Will & Alison Butterill will talk about what lies ahead for the platform, and for the people who devote their time to making its next steps happen. Strategy, requirements, celebrations, partners, customers & releases - there's a lot to cover. Join us as Steve & Alison touch on them all. In addition, Hadley Hempel will also give a quick update on IBM i marketing.
Lunch	
High Availability Update Kristopher Whitney Updated 08/15/2018	Review updates and futures of our latest High Availability Project.
Break and Networking	
Open Source Strategy Jesse Gorzinski Updated 08/15/2018	You may have noticed that IBM i has been embracing open source technologies lately. Why has it been such a strong force in the IBM i roadmap? Because open source technologies can bring a lot of business value to the enterprise! In this session, discover why open source can be strategic and how it can address some of the primary concerns in the marketplace.
IASPs and IBM i Philip Albu Updated 08/20/2018	
Db2 for i Update Scott Forstie, Sue Romano, Matthew A Neill Updated 08/15/2018	<p>This session will include an explanation of the Db2 for i strategy, and the related technologies have been added to the database.</p> <p>In the tradition of previous Technology Refreshes (TRs), the database team is delivering enhancements twice a year. Attend this session to hear about the many enhancements to SQL on i, the SQL Query Engine, IBM i Services and much more... past, present and future.</p>
Dinner Updated 08/17/2018	This is an opportunity for informal discussion with other LUG members, IBMers who are giving presentations, and the IBM development team. You should contact your IBM i advocate or premium services contact to meet you for dinner.

Tuesday, September 11, 2018

Session Title	Abstract
Power Systems Update Terri Virnig, Steve Sibley Updated 08/15/2018	Terri Virnig, IBM Systems Vice President Power Ecosystem and Strategy, and Steve Sibley, IBM Vice President Power Systems Offering Management, will provide an update on IBM Power Systems plans and priorities
Workgroup and Architecture team updates Updated 08/17/2018	An update from the Licensing workgroup and the End to End Monitoring workgroup will be covering what these two groups have been working on in their monthly calls. The Architecture team leads from Application Development and Availability & Reliability will be providing a readout of activity and progress by their teams since January.
Break	
RPG Updates Barbara Morris Updated 08/15/2018	<ul style="list-style-type: none"> A brief overview of recent and upcoming enhancements A discussion on what we are considering for the future for RPG
Protecting your Data with Guardium Dave Owen Updated 08/20/2018	<p>This session discusses the step by step process of installing and configuring Guardium on IBM i to get what you need with the least performance impact. We'll discuss setup, configuration and monitoring of Guardium as well as some helpful suggestions to make managing your Guardium environment easier.</p> <p>Relevant resources can be found here: https://ibm.biz/GuardiumDAMonIBMi</p>

Watson Data Platform and Db2 for i Sarah A Mackenzie Updated 08/15/2018	IBM Watson Studio brings the power of AI to your business. Learn how to connect to IBM Watson Studio from your IBM i. Once connected, learn how to refine your data, analyze and discovering insights using Watson Analytics, teach Watson using embedded AI services such as the Watson Natural Language Classifier, and much much more.
Lunch	
LUG Member Photos William Fuhrman, Greg Gallas Updated 04/26/2018	
JDBC Connection and Auto Fail Over John Eberhard Updated 08/15/2018	In JTOpen 9.6, support is added to re-establish a failed JDBC connection without needing to recreate existing JDBC statement objects. This support allows JDBC programmers to easily build high availability behavior into their applications. This session describes this new support and illustrates how it can be used.
Encryption on IBM i Overview Jim Diephuis Updated 08/17/2018	Are you being asked to encrypt your sensitive data? Not sure exactly what that means or what options are available on the IBM i for doing it? Just want to get out of the main tent for a while and chill? This session is for you! We will cover a short history of cryptography, the business implications of encryption, and what options are available on the IBM i.
ACS Latest and Greatest with an App Dev Focus Dev Tim Rowe, Scott Forstie Updated 08/17/2018	In this session, Scott and Tim will show some of the ways application developers can use ACS. The session will include a live demo, so watch out!
Buying Time for Security Terry Ford Updated 08/15/2018	Today's business climate finds many IT organizations with a shortage of skills and resources. Many administrators are asked to wear many hats... programmer, operator, manager, tester, etc. On top of that they are asked to stay current with technical trends, security vulnerabilities, and regulatory compliance. ... and, if/when they have a spare minute, they are asked to look after the security of the system and promote overall well-being to the business! if only we all add 48 hours in a day! How can an administrator keep up? ...one of IBM's best kept secrets is a suite of security service offerings (tools) known as the PowerSC Tools for IBM i, One of the tools in the suite, the Compliance Monitoring and Reporting Tool (aka CART), comes with a rich set of reporting tools to aid the administrator in managing their systems and providing feedback to management and its stakeholders via DB2 Web Query dashboards. Included in the toolset are facilities to define your own scoring standards, do report customization, deploy fixes, and a unique utility to provide quick reporting of customer defined items. The tools are marketed under the PowerSC brand and are available from Lab Services.
Break and Networking - LUG 75th LUG and IBM	The LUG and IBM will take a little extra time today, during the break, to celebrate this being the LUG's 75th meeting. We will take a group photo outside of building 25 (weather permitting), and have a special afternoon treat. If the weather does not cooperate, we will reschedule the photo for later in the week during an afternoon break, and reduce break time to 30 minutes.
Security Considerations for Application Development Robert D Andrews Updated 08/15/2018	This presentation will discuss the implementation details and options necessary for developing secure applications for IBM i. This presentation will cover the security options available which can be used to implement the necessary security practices within an application. This presentation will cover the IFS as well as applications accessing data in the QSYS file system. This presentation is a must see for both application developers and security administrators as a number of techniques available for securing data will be discussed.
Run away queries got you down? Create a managed query environment with Db2 Web Query Doug Mack Updated 08/15/2018	It is almost impossible to control the impact of a query using tools like Query/400, Showcase, or just about any free form query builder product coming in over ODBC. It can also be difficult to understand who the culprits (reports or specific users) are to address the issues. There are many techniques in Db2 Web Query to lock down your query environment, including use of "active" reports, using guided ad-hoc forms that execute "tuned" queries, and of course, the importance of the metadata layer to deal with data untangling in a more efficient manner. Db2 Web Query also comes with out of the box monitoring reports so there is no debate about who the culprits are! DataMigrator call also automate data transformations and optimizations to eliminate one-off extraction programs you've probably been writing for years!
SQL Services for the Application Developer Scott Forstie Updated 08/17/2018	SQL on Db2 for i can be used to accomplish far more than traditional database application developer topics. This session will introduce some of the ways IBM i application developers can embrace and use IBM i Services. Relevant resource: http://ibm.biz/DB2foriSeries
First Time Attendee	Join other first time LUG conference attendees to share your experiences with the LUG board. We want

Discussion with the LUG Board	your ideas on how to improve the LUG experience.
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Wednesday, September 12, 2018

Session Title	Abstract
Member Minute - Application Modernization Updated 08/15/2018	<p>Goal: Prepare an example for an application modernization hackathon we are organizing.</p> <p>Will cover</p> <p>We define three layers:</p> <ol style="list-style-type: none"> 1. User Interface layer. <p>This is not on IBM i, we use the Angular framework, will be covered very briefly. He will address security considerations and challenges he faced.</p> <ol style="list-style-type: none"> 2. Business Logic layer. <p>We build a full free RPG service which can handle complete CRUD functionality with REST, JSON and IBM i HTTP server</p> <ol style="list-style-type: none"> 3. Database layer. <p>Db2 for i. We created a simple SQL table, will be briefly.</p> <p>We will show what we have done and give a brief demo. Also using debug facilities from RDi. We will show what resources we used and what time it took to get this done.</p>
Power Enterprise Offering George Gaylord Updated 08/15/2018	<p>This presentation will cover the latest news about the Power Enterprise Offerings.</p>
Enterprise DevOps: Optimizing a multi-platform CI/CD pipeline Jerome Hughes, ARCAD Updated 08/23/2018	<p>The complexity and cost of managing diverse toolchains for software development is driving the IT industry to standardize on common enterprise solutions across all technology platforms.</p> <p>This is no less true on the IBM i platform, whose traditional tools and languages have tended to foster a specific IBM i development culture and in some cases a resistance to change.</p> <p>To stay competitive, businesses today combine business-critical core applications on IBM i with middleware, microservices, web and mobile applications developed on open/ distributed platforms.</p> <p>The challenge for IT managers is to control costs and maintain efficiency in such mixed technology environments.</p> <p>Based on IBM i customer case studies, our session will explore how the use of enterprise tools such as Git, Jenkins, JIRA and UrbanCode Deploy in a shared CI/CD pipeline can reduce development effort, cost, and the risk of error.</p>
Break and Networking	
RPG Best Practices Barbara Morris Updated 08/16/2018	<ul style="list-style-type: none"> • The features of ILE RPG that allow you to write "modern" code • Which old features to avoid • How using service programs can modernize your development, both new function and maintenance
Intro to Git Aaron Bartell, Kregeltech Updated 08/16/2018	<p>Facetious title: Squirrel Rashes</p> <p>Abstract: In short, Git allows you to keep a detailed history of source code changes with very little effort. Git is free, open source, and easy to install on IBM i. You can even use Git to manage RPG source. What are you waiting for?</p> <p>Git is a distributed version control system designed to handle everything from small to very large projects with speed and efficiency. Git is arguably the most popular way to manage source code versions industry wide.</p> <p>What we will cover:</p> <ul style="list-style-type: none"> • Introduction to what Git is and how it works • Installation of Git on IBM i • How to connect with Bitbucket/GitHub via SSH • Basic flows of usage

	<ul style="list-style-type: none"> • Visual Git tooling <p>Live demo</p>
<p>Test Driven Development - Leveraging Best Practices for RPG and IBM i Development Edmund Reinhardt Updated 08/16/2018</p>	<p>Current best practice for producing high quality software is Test-Driven Development. These practices can be applied to RPG development on IBM i. The end result is software where every single line is covered by an automated test and can easily be regression tested on every build of your deliverable. Tools such as RPG Unit and RDi and Code Coverage can be used to support this process and make it easier and more enjoyable.</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1 Learn the best practice of Test Driven Development 2 Be able to articulate the benefits of this approach 3 See a practical example in the context of ILE RPG and the IBM i 4 See how the open source packages like RPG Unit can help 5 Learn how Rational Developer for i can be used to support this process 6 Learn how Code Coverage can be integrate into this to prove that every line has been covered.
<p>Building Apps with Node.JS Aaron Bartell, Krengeltech Updated 08/16/2018</p>	<p>Node.js is a hot topic in IBM i circles because of its recent port and the fact that it is one of the hottest technologies industry wide. Doing a "Hello World" app in Node.js is very simple, but what about developing something more substantial with full model-view-controller capabilities? This session aims to take you beyond your first pass at Node.js and show how to use one of the most popular Node.js web frameworks, Express.js.</p> <p>In this session we will learn about the following:</p> <ul style="list-style-type: none"> Installing ExpressJs with npm (Node Package Manager) Model: DB2 for i access View: Template Engines and how to use them Controller: Routing requests Implement web sockets to make the app insanely interactive
Lunch	
<p>International LUG Member Discussion LUG Board Updated 08/21/2018</p>	<p>Discussion with the LUG board and other LUG members from outside the USA. The group will identify issues specific to these LUG members.</p>
<p>The latest and greatest, IBM MQ 9.1 for IBM i Jonathan Rumsey Updated 08/17/2018</p>	<p>It has been 2 years since the GA of the last long term support release of IBM MQ, what have the development team been doing ? Find out what is new for the IBM i platform in IBM MQ 9.1 including automatic object media recording, JSON format error logs and the new Web Console and REST API. We will also preview some of the future features that are already in development in the labs and look at the IBM MQ roadmap ahead.</p>
<p>The What's, Why's and Where's of Python and IBM i Mike Pavlak, Fresche Solutions Updated 08/17/2018</p>	<p>Python is a technology that has been around for over 20 years. So why is it, all of a sudden, number one on Stack Overflow and in many other lists? Simply put, it is one of the easiest languages to learn that is also one of the most powerful. In this session we will take a look at the Python language and where it is being used in business. We'll discuss and explore the validity to the hype cycle around Python and conclude with why Python will become part of your overall strategy even if you choose to develop in another language.</p>
<p>Harness the Power of RDi PDM Perspective Steve Ferrell, HelpSystems Updated 08/22/2018</p>	<p>This session will cover new enhancements to RDi 9.6 that will assist new users to RDi and increase productivity of existing users. The PDM Perspective and Quick Filters will make for quicker searches, allow you to create simple saved RSE filters faster, and emphasize HelpSystems new approach to easier to use interfaces. We'll cover where it is today, where it's going, and how the code will be reused.</p>
Break and Networking	
<p>Getting your environment set up for Open Source on i Jesse Gorzinski Updated 08/17/2018</p>	<p>A lot has been happening in the world of open source on IBM i! Are you ready to join this exciting adventure? This session will help you get started. We will go over some fundamental concepts and introduce you to some of the tools that can be used for editing files, debugging, etc.</p>
Tours	<p>Space is limited for these tours. Sign up sheets will be available at the registration desk.</p> <ul style="list-style-type: none"> •Product Hardware Stress Testing for Quality and Compliance Tour

	<ul style="list-style-type: none"> •Performance and Scalability Services Facility Tour •What is Watson?
Ask the Experts LUG and IBM Updated 04/23/2018	Ask the Experts always receives positive feedback from LUG members. It is your opportunity to meet with the IBM developers, one on one, with no holds barred on the questions. You can often get great suggestions from the IBM folks on ways to solve an issue that you might be having or to learn about some of the newest features and functions just released and some that haven't yet been released. It's also a great way to pitch your ideas for improving the product. There are usually more than 60 tables manned by IBM developers, architects, product managers and others from all aspects of IBM Rochester (many from out of town as well). If you have questions about anything IBM i related, this is the place to raise them.

Thursday, September 13 2018

Session Title	Abstract
Enterprise Cloud Ready Node.JS Jesse Gorzinski Updated 08/17/2018	Node.js is one of the fastest growing runtimes and is being used by enterprises to quickly deliver differentiating solutions which take full advantage of the cloud. Join this session to gain an understanding of cloud-native development, the benefits of using Node.js, and the work IBM is doing in the community to provide best-practices and ready-to-use artifacts - supporting you across the development lifecycle.
RPMs, Yum, and the future of managing Open Source on IBM i Jesse Gorzinski Updated 08/17/2018	You may have heard about the latest news with open source: RPM's! As a system administrator, you may have lots of questions. What does this mean for me? Why the switch? What new skills do I need? How do I sanely manage open source on my system? With this knowledge, your enterprise is ready for an open-source-filled future!
Why PEX should be in your Toolbox Morten B Rasmussen Updated 08/17/2018	Learn some useful traces you should know about and learn how the iDoctor Wizard helps you through the process of using PEX. In the last years, the storage has become much faster with SSD's and Flash, so you will more often have the need to analyze what the CPU is doing and investigate if the programs have been written efficient. Often the PEX analysis is needed. This presentation is intended for administrators, programmers and anybody doing IBM i performance work.
Break	
LUG Business LUG members only Updated 04/16/2018	Possible Topics <ul style="list-style-type: none"> • Operations topics • Financial report • Other discussion LUG members will discuss and vote on candidate requirements which are posted on the web site. The author (or someone designated by the author) of the requirement will make a case for formal approval by a two thirds vote of the attending companies. If there is time, members will discuss requirements with IBM Work Complete , those recommended for closure , and requirements requested by members. Add a comment to the requirement discussion if you want a requirement on the agenda. Note: At least one representative from each company must attend the LUG business sessions.
Lunch	
Requirements Review Updated 04/26/2018	Selected requirements will be reviewed by the LUG and IBM.
Take a REST with IBM MQ on IBM i Jonathan Rumsey Updated 08/17/2018	In this session we will focus on the exciting new alternative to green screen or 'tubby client tooling' - introducing the IBM MQ Web Console, zero footprint administration from the comfort of a web browser ! We will look at all the administration, monitoring and graphing capabilities in the Web Console, explore the power of the REST API and even put and get messages with a messaging REST API. We will explore the new capabilities on the IBM i platform, including a live demo of the web console and REST API, MQ resource graphing and much more.

<p>Work Group Discussion - End to End Monitoring Updated 08/13/2018</p>	<p>While there are a number of products offered by IBM (and others) none seem to provide the necessary infrastructure monitoring of all components that make up the heterogeneous environments of today. Tools continue to provide value but none offer a complete view and management of the environment. For example, the Tivoli Service Director endeavor reminds us that such an initiative, although well intended, more than likely won't work unless the scope of the deliverables is specific, prioritized and not overwhelming. It is not always readily apparent which group should be contacted within IBM (hardware, software, which discipline within each). Lack of proficiency in skills outside the IBM i make it increasingly difficult to interact with support at the appropriate level. Goals for this work group include defining problems, identifying the IBM and LUG representatives, develop specific recommendations and finally write LUG requirements to deliver to IBM.</p>
<p>Break and Networking</p>	
<p>Connecting from Open Source Languages to IBM i Objects Jesse Gorzinski Updated 08/17/2018</p>	<p>Open source languages offer a key piece of the IBM i application development portfolio, as well as another route for connecting to IBM Watson and Bluemix technologies. In this session, we will give an overview of how to connect to IBM i (including Db2 and RPG) from these new languages. We will cover various options for talking to IBM i from remote (Linux/Windows/Mac) systems, IBM Bluemix, as well as from applications running on the IBM i that are integrated with Watson.</p>
<p>Consuming and publishing JSON with Db2 for i John Eberhard, Matthew A Neill Updated 08/16/2018</p>	<p>This session will explore JSON in Db2 for i. It will go into detail about the various functions we offer including JSON publishing and usage functions, along with example code and use cases. JSON is a great modern technology for sending structured data or using it locally in a cross-platform format. Attend this session to get up to speed on JSON and get ideas for how you could use it in your company.</p>
<p>Getting Started with Machine Learning from IBM i Alison K Butterill, Jesse Gorzinski Updated 08/17/2018</p>	<p>The emerging realm of AI and Machine Learning can bring seemingly-limitless opportunity for your enterprise (and perhaps even mankind). How can you leverage these new technologies from IBM i? This session will provide an overview of what technologies you can be using from your IBM i today. We will cover various AI/ML packages available to run on the system, as well as the cloud-based capability of IBM Watson. After all, IBM i has always been a data-centric platform. Surely, Db2 for i houses mission-critical and intensely valuable data. Coupling AI and ML with this data can bring an unprecedented amount of innovation.</p>
<p>ACS Administration Wayne Bowers Updated 08/17/2018</p>	<p>IBM i Access Client Solutions (IBM i ACS) is the newest member of the IBM i Access Family of products and there has been growing interest and interaction with this client over the past several years since it was released. Whether you are interested in ACS because of it's Best of Breed 5250 Emulator, Database Tools and other capabilities, or for the multi-platform support that is supported equally on Windows, Mac and Linux platforms, or because of the IBM Support statements related to the non-support of Access for Windows on Windows 10 and on all platforms after April 2019, if you are looking to Administer IBM i ACS in your enterprise you need to know the information in this session. We will be looking at Advanced Practices to follow when approaching Deploying/Installing IBM i ACS into your environment, how to manage configuration options, how to restrict functions users have access to, and migrating from Access for Windows.</p>
<p>Dinner Updated 08/17/2018</p>	<p>This is an opportunity for informal discussion with other LUG members, IBMers who are giving presentations, and the IBM development team. You should contact your IBM i advocate or premium services contact to meet you for dinner.</p>

Friday, September 14, 2018

Session Title	Abstract
RDi Tips and Techniques Edmund Reinhardt Updated 08/16/2018	Come and learn some advanced techniques that you may not yet be aware of, that will help you use RDi more effectively. For example advanced editing, refactoring, i Projects, IBM Data Studio, integration with ACS, iSphere and more. This session assumes some basic familiarity with RDi and will give the tools to take your productivity to a higher level.
Hidden Gems of IBM i - LUG and IBM Edition Updated 08/13/2018	Several LUG members and IBMer's will share their favorite IBM i features, tips, or tricks.
Break	
January Preview and Closing Comments LUG and IBM Updated 04/16/2018	A brief review and discussion of topics for the January 2019 meeting.
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The meeting will conclude before 11:00 AM.	