

Session Abstracts - Saturday

Managing your IBM i made EASY with SQL, ACS & New Nav – Workshop – Scott Forstie & Tim Rowe

In this workshop Scott & Tim will show you how to use IBM i (SQL) Services, IBM i Access Client Solutions (ACS), and IBM i (New) Navigator to manage the IBM i. There are new and improved tools to help anyone responsible for the IBM i. Join this session to gain skills and competence in these valuable tools.

SQL is for more than just doing database things. With the invention of IBM i Services, there are many options for accessing and managing your IBM i. This workshop will look to explore the many already existing examples shipped in Access Client Solutions. We will learn how to modify and enhance these to take your system management capabilities to the next level. Additionally, there are many examples that Scott has created to help IBM i clients accomplish modern system management. We will also look at the new features in the IBM Navigator for i and how it is leveraging IBM i (SQL) Services and how you can even use the same SQL used by the navigator for your own system management purposes.

Come with your laptop loaded with the LATEST level for ACS. This will get you rolling on the road to managing your environment.

Download ACS at http://ibm.biz/IBMi_ACS

Acquire skills in IBM i (SQL) Services, SQL programming, IBM i Access Client Solutions (ACS), and IBM i (New) Navigator to manage the IBM i.

VS Code, Cleanest RPGLE, and Git the Right Way – Liam Allan

1. Intro to VS Code on IBM i:

Installation, Writing code, developer tools, creating programs and much more.

2. Writing the Cleanest RPGLE:

Learn about linting; how a linter can not only show you potential issues, but enforce code standards in your RPG as you write code.

3. RPGLE and Git the Right Way:

Understanding how to use git with VS Code, writing RPGLE locally, and deploying and building to IBM i.

Advanced Python – Mike Pavlak

So, you've played a bit and are looking to go to the next level? In this session we'll explore some of the more interesting features of Python. We'll start by exploring some of the more powerful language constructs, OOP, exception handling and database accesses. Then we'll move into some of the more useful modules in the Python landscape and explore ideas like API management and wrap up with a Machine Learning example.

Modernize the Monolith - Patrick Behr

1. Why Procedures Are Better than Subroutines

Discover the superpowers that procedures have and how they can help you create more reliable and more easily maintained programs. We'll talk about the benefits of input parameters, local variables, return values, error handling with on-exit, and recursion.

2. The Awesomeness of Service Programs

Learn why service programs are so awesome. We'll weigh the pros and cons of different options we have for creating shared routines. We'll learn how to create a service program and how easy it is to use these shared procedures in our applications. We will discuss the importance of binder source and how it can make updating our service programs painless.

3. Test-Driven Development: Clean Code that Works

Let's take a look at how testing is often done today, and why it's so difficult. We'll discuss the benefits of test-driven development, and show how it works. We will look at the xUnit testing frameworks, and do a little test-driven development together.

4. Working with Legacy Code: Refactoring and Restructuring

Our legacy code has been running the business for decades and represents a tremendous amount of business knowledge. It can also be terribly difficult to understand and downright scary to work on. In this session we'll discuss how our code got in the shape it's in, and look at some techniques we can use to make our legacy code more testable, understandable, and maintainable.