

F07 Columbus Sessions: Monday, 10/15/2007

WORKSHOP: (LAB) WDS and WDS*c* Guided Tour

21AB: Mon 7:30 - 3, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:530027

Level:
All

Course:
Workshops

Speaker:
Kushal Munir
IBM Corporation

Lecture segments of this workshop include:

1. Modern tools for RPG and COBOL programmers Remote system explorer introduction.
2. Convert existing 5250 User Interfaces into browser based UI (WebFacing, HATS, and WDHT intro).
3. Create modern System i applications using Webtooling and EGL.

Demo segments of this workshop include:

1. Using RSE (object lists, source editor, compile, debug).
2. Using the IBM WebFacing tool to modernize a 5250 User Interface, Using WDHT runtime environment.
3. Using the JSF Web UI tools and EGL to write J2EE applications for System i.

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: (LAB) System i Developer Bootcamp

21AE: Mon 8:30 - 5, Champaign, Hyatt Regency Columbus

31AE: Tue 7:30 - 4, Champaign, Hyatt Regency Columbus

41AE: Wed 7:30 - 4, Champaign, Hyatt Regency Columbus

ID:530031

Level:
Beginner

Course:
Workshops

Speaker:
Kevin Forsythe
DMC Consulting, Inc.

How do I develop applications for the System i? What's RPG? What's WDSC? For programmers who are new to the System i, the Developer's BootCamp is a must! This three-day workshop will introduce the development tools and languages commonly used to create applications for the platform. Attendees will learn to define databases with DDS, automate processes with CL, interact with databases through SQL, and write complex RPG Programs. Attendees will learn basic operating system commands as well as a quick tour through system security. As key technologies for use by a developer, the client based development tools, WebSphere Development Studio Client, will be used as the basis for most discussion and demonstration. There will be a brief overview of the older tools such as PDM, SEU and SDA that are used in some development shops.

To ensure the best student learning environment, this workshop is presented as a combination of lecture, demo and hands-on labs.

The workshop will deliver the following topics:
Day One: Introduction to System i, Basic Operations and Security, Command Language, Using the Eclipse based WDS*c* Development Tool.

Day Two: WDS*c* Lab, Intro to DDS, SQL, and RPG SQL

Day Three: RPG Lab, RPG Continued, Screen Design

This session is essential for any developer new to the System i.

F07 Columbus Sessions: Monday, 10/15/2007

WORKSHOP: Disaster Recovery

Primer - Ready, Set, Plan

21AD: Mon 8:30 - 5, Delaware A/B - Lecture, Hyatt Regency Columbus

ID:510194

Level:

All

Course:

Workshops

Speaker:

Richard
Dolewski
WTS Inc.

This workshop is designed for IT personnel responsible for writing and maintaining a DR Plan. The workshop identifies the components of Disaster Recovery planning as it relates to the availability and recovery of computing services. Learn what works in a real disaster. Understand common assumptions made in our industry. Following a Disaster recovery methodology structured specifically for Information Technology, the seminar will provide the attendee with an understanding of the fundamentals of developing a DR plan from start to finish and testing the plan so it works when you need it most...in a Disaster!

The following subjects will be covered:

Part 1: DRP Overview
Disaster Recovery Preparedness
The Changing face of Disaster Recovery
Planning today
Criticality ranking of essential IT services
RTO vs RTP

Part 2 - Building the plan
Components of a DR Plan
Disaster Notification
Building Your teams
Roles and Responsibilities
Steps to Recovery
System Information

Part 3: Exercise the Plan
Testing - Passive - Table top Exercise
Testing - Active Test till you get it right

This will be an interactive workshop with an emphasis in classroom participation.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: Implementing i5/OS Security

21AI: Mon 8:30 - 5, Fairfield - Lecture, Hyatt Regency Columbus

ID:530004

Level:

All

Course:

Workshops

Speaker:

Carol
Woodbury
SkyView Partners,
Inc.

This workshop will provide the information to understand the fundamentals of security in general and i5/OS security specifically, as well as equip you to implement changes in your workplace. Attendees of all skill levels will benefit from the practical advice and real-life examples of implementing every aspect of i5/OS security.

Topics covered:

1. Laying the Foundation of i5/OS security;
2. Getting the Most out of your Audit Journal;
3. Integrated File System Security;
4. Step by Step Approach to Implementing i5/OS security;
5. Case Study - implementing object level security;
6. Changing the security scheme of an application.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: Modernizing RPG Applications

21AL: Mon 8:30 - 5, Delaware C/D - Lecture, Hyatt Regency Columbus

ID:470187

Level:

Intermediate

Course:

Workshops

Speaker:

Paul Tuohy
ComCon

Still stuck in an RPG/400 World? Well, this exciting workshop will show you how modern programming practices and tools can transform your old monolithic RPG applications into a modern, highly modularized form that will position your business for the future. Rather than just throw hours of theory at you, this seminar takes a sample application and follows it through the process of converting from RPG/400 or basic RPG IV to full usage of RPG IV and ILE features, modularizing the code, adding DB2 UDB features and even replacing the green-screen with a graphical or browser-based interface.

Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Monday, 10/15/2007

WORKSHOP: (LAB) PHP Essentials

21AB: Mon 9 - 5, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:520127

Level:
Beginner

Course:
Workshops

Speakers:
Erwin L.
Earley
IBM Corporation
Dave
Boutcher
IBM Corporation

This workshop will take a comprehensive look at the essential elements of PHP focused on version 5 of the language. The workshop will prepare attendees to use tools to create scripts that are secure, efficient and reliable.

By the end of this session, attendees will

1. Understand the new features of PHP 5.
2. Learn how to read and write PHP code.
3. Understand and use the language's APIs.

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Tuesday, 10/16/2007

WORKSHOP: (LAB) IBM System i Navigator Workshop

31AB: Tue 7:30 - 3, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:530018

Level:
Intermediate

Course:
Workshops

Speakers:
Nick Fernholz
IBM Corporation
Arturo Gutierrez
Loza
IBM Corporation

This is a workshop for System i operators, systems administrators, and other individuals who manage the System i using System i Navigator.

System i Navigator is the graphical user interface for managing your IBM System i network. It includes a suite of functions for managing one or multiple IBM System i's at once, through a single interface. This workshop introduces you to the functions of System i Navigator. These functions include: managing jobs, messages, and printer output; user administration; working with database and file systems; real-time system monitors; fixes (PTF) management; object distribution; managing system values; utilizing the performance advisor wizard; managing System i Navigator tasks on the web; and much more!

In this workshop attendees will:

1. Get an understanding of IBM System i Navigator concepts
2. Perform a task in each of the functional areas listed above
3. Gain a better understanding of ways to simplify some of your daily operations
4. Become more familiar with management function integrated into the operating system.

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: (LAB) System i Developer Bootcamp

21AE: Mon 8:30 - 5, Champaign, Hyatt Regency Columbus

31AE: Tue 7:30 - 4, Champaign, Hyatt Regency Columbus

41AE: Wed 7:30 - 4, Champaign, Hyatt Regency Columbus

ID:530031

Level:
Beginner

Course:
Workshops

Speaker:
Kevin Forsythe
DMC Consulting, Inc.

How do I develop applications for the System i? What's RPG? What's WDSC? For programmers who are new to the System i, the Developer's BootCamp is a must! This three-day workshop will introduce the development tools and languages commonly used to create applications for the platform. Attendees will learn to define databases with DDS, automate processes with CL, interact with databases through SQL, and write complex RPG Programs. Attendees will learn basic operating system commands as well as a quick tour through system security. As key technologies for use by a developer, the client based development tools, WebSphere Development Studio Client, will be used as the basis for most discussion and demonstration. There will be a brief overview of the older tools such as PDM, SEU and SDA that are used in some development shops.

To ensure the best student learning environment, this workshop is presented as a combination of lecture, demo and hands-on labs.

The workshop will deliver the following topics:
Day One: Introduction to System i, Basic Operations and Security, Command Language, Using the Eclipse based WDSi Development Tool.

Day Two: WDSi Lab, Intro to DDS, SQL, and RPG SQL

Day Three: RPG Lab, RPG Continued, Screen Design

This session is essential for any developer new to the System i.

F07 Columbus Sessions: Tuesday, 10/16/2007

WORKSHOP: All You Need To Know About SQL in Six Hours

31AL: Tue 8:30 - 5, Delaware C/D - Lecture, Hyatt Regency Columbus

ID:520234

Level:

All

Course:

Workshops

Speaker:

Skip

Marchesani

Custom Systems Corporation

SQL has become the industry standard for moving data between platforms in a network centric computing environment, and working with data in a relational database. In today's IT environment of mixed hardware and software platforms you have to know SQL to survive.

This workshop (including live demos) will serve as an excellent introduction to SQL on the iSeries and AS/400 for those people that may not be familiar with it, or it will be an excellent review for those that need a refresher course.

The morning part of this workshop will be spent building a firm SQL foundation. It will start with a discussion of SQL basic theory and terminology, and progress to SQL statement format and structure and the more frequently used SQL statements: SELECT, INSERT, UPDATE, DELETE, CREATE, and DROP. It will show you how to use SQL functions such as MIN, MAX, AVG, SUM, COUNT, AS, and Subselect to query and analyze data. After covering these basics, the workshop will move on to some intermediate level topics. First it will look at the SQL software support that is available in Version 5 of OS/400 and i5/OS so you can understand which part is included with OS/400 and which part is a separate licensed product. Next it will show you the groups of SQL statements used to query and work with data, to define and manage data base objects, and used for miscellaneous functions. The morning will end with a discussion of the various SQL interfaces available on the iSeries and AS/400.

The afternoon part of this workshop will take you on a detailed exploration of some more advanced SQL topics that include: Interactive SQL, the SQL Statement Processor (RUNSQLSTM command), the SQL Script Center in iSeries Navigator, Embedding SQL in a High Level Language program (RPG, COBOL, C), and Dynamic SQL. The workshop will conclude with a detailed discussion of how you can use SQL, in place of DDS and the native interface, to create and manage your database objects.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: Disaster Recovery: Be Well Prepared

31AD: Tue 8:30 - 5, Delaware A/B - Lecture, Hyatt Regency Columbus

ID:530021

Level:

Intermediate

Course:

Workshops

Speakers:

Larry

Youngren

IBM Corporation

Debbie S.

Saugen

IBM Corporation

Performing a successful System i disaster recovery - whether conducting a test or recovering from a real disaster - is key to any company's business continuity.

In this workshop, you will learn:

- 1.The top 10 mistakes customers make when testing or performing a real disaster recovery.
- 2.How to dramatically reduce your backup and recovery windows with the newest System i hardware and tape technology combined with software tools such as Backup, Recovery and Media Services (BRMS).
- 3.Whether Save-While-Active is your best choice, or "ragged" Save-While-Active and how they differ.
- 4.The new SAVLIB parameters.
5. How to harness the power of the system i Journal to assure you lose no transactions

Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Tuesday, 10/16/2007

WORKSHOP: System i Access for Web

31A: Tue 8:30 - 5, Fairfield - Lecture, Hyatt Regency Columbus

ID:530029

Level:

All

Course:

Workshops

Speakers:

Doug

Beauchene

IBM Corporation

Jason Hansen

IBM Corporation

If you are tired of maintaining software (such as System i Access for Windows) on all your users' desktops, then you need to learn about the browser-based System i Access for Web solution. This product is installed, configured, and maintained on your System i. Then desktop users simply bring up their browsers, key in a URL address, and are ready to work with all their i5/OS resources through easy-to-use, point-and-click screens.

This seminar will begin with an overview of the features of System i Access for Web, and will be followed with instructions on how to set up this environment on your System i. We will then drill down and learn more about the powerful functions you can use. You will leave with the knowledge needed to get System i Access for Web up and running on your system.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: (LAB) Hands on VB.Net and ASP.Net for System i Developers

31AB: Tue 9 - 5, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:520192

Level:

Advanced

Course:

Workshops

Speakers:

Richard

Schoen

RJS Software

Systems

Bruce Collins

AAA Cooper

Transportation

This session will be a chance for System i developers to get hands on experience with Microsoft VB.net and ASP.Net to learn how to develop Windows or Web based applications that can access System i data. Build value into your System i by showing the network guys how it can be used as a database backend for windows and web applications

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Wednesday, 10/17/2007

WORKSHOP: (LAB) Optimize Your System i with IBM Performance Management Tools

41AB: Wed 7:30 - 2:45, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:480171

Level:
All

Course:
Workshops

Speakers:
Gottfried
Schimunek
IBM Corporation
Aspen L.
Payton
IBM Corporation

This hands-on workshop provides an overview of the available IBM Performance Management tools and shows how to get started to collect and analyze performance data. We will share techniques for performance tuning and provide guidelines for optimizing your system and applications. This workshop will also help you use the IBM tools to plan for future growth and changes to workload and resources. This workshop is directed towards the beginner and intermediate performance analyst and system administrator, but even a performance expert may learn some new tools and techniques.

The lectures and hands-on workshop include the following topics:

1. Collecting performance data with collection services.
2. Analyzing performance data with performance reports and iSeries Navigator performance tools.
3. Use of performance management commands and performance advisor to help tune the system.
4. Drill down to job level performance information to analyze which jobs consume most of the resources.
5. Exercise sizing and capacity planning tools to predict future growth, plan for server consolidation, and prevent performance issues.

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: (LAB) System i Developer Bootcamp

21AE: Mon 8:30 - 5, Champaign, Hyatt Regency Columbus

31AE: Tue 7:30 - 4, Champaign, Hyatt Regency Columbus

41AE: Wed 7:30 - 4, Champaign, Hyatt Regency Columbus

ID:530031

Level:
Beginner

Course:
Workshops

Speaker:
Kevin
Forsythe
DMC Consulting,
Inc.

How do I develop applications for the System i? What's RPG? What's WDSC? For programmers who are new to the System i, the Developer's BootCamp is a must! This three-day workshop will introduce the development tools and languages commonly used to create applications for the platform. Attendees will learn to define databases with DDS, automate processes with CL, interact with databases through SQL, and write complex RPG Programs. Attendees will learn basic operating system commands as well as a quick tour through system security. As key technologies for use by a developer, the client based development tools, WebSphere Development Studio Client, will be used as the basis for most discussion and demonstration. There will be a brief overview of the older tools such as PDM, SEU and SDA that are used in some development shops.

To ensure the best student learning environment, this workshop is presented as a combination of lecture, demo and hands-on labs.

The workshop will deliver the following topics:
Day One: Introduction to System i, Basic Operations and Security, Command Language, Using the Eclipse based WDSc Development Tool.

Day Two: WDSc Lab, Intro to DDS, SQL, and RPG SQL

Day Three: RPG Lab, RPG Continued, Screen Design

This session is essential for any developer new to the System i.

F07 Columbus Sessions: Wednesday, 10/17/2007

WORKSHOP: Beyond the Basics with SQL

41AL: Wed 8:30 - 4, Delaware C/D - Lecture, Hyatt Regency Columbus

ID:500148

Level:
Advanced

Course:
Workshops

Speaker:
Skip
Marchesani
Custom Systems
Corporation

You finally have a grasp of SQL (Structured Query Language) basics. In fact, you are comfortable doing the simple things with SELECT, UPDATE, INSERT, and DELETE. However, when you try to go beyond the basics, attempting more complex SQL statements, it is a challenging and/or a frustrating experience. If this is your experience, this workshop is for you. The bottom line is that this workshop is designed for those people that have a good understanding of SQL basics and want to take their SQL skills to the next level. Skip Marchesani will combine lecture with live demonstrations (via the internet) to illustrate the SQL concepts and functions discussed in this workshop.

Morning: The workshop will start with a quick review of some SQL basics and then progress to using SQL built in functions for data manipulation and analysis to derive a new column, name a derived column, reformat data, change data types, summarize data, and more. Next you will explore basic subselect, scalar subselect, and the more advanced forms of subselect; and see how a single SQL statement with subselect can be used in place an RPG or Cobol (or C) program that would require many lines of code.

Afternoon: The afternoon part of this workshop will show how the information from the morning session can be put to work for you. You will:

1. Review the SQL procedure language and how it is used to create SQL stored procedures and SQL triggers.
2. Understand the difference between an external procedure and an SQL procedure, and an external trigger and an SQL trigger.
3. Explore SQL triggers in detail and learn the difference between column, row, and statement level triggers
4. Learn the various parts that make up an SQL trigger and how to code the SQL trigger body.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: RPG Meets the Web

41AI: Wed 8:30 - 4, Fairfield - Lecture, Hyatt Regency Columbus

ID:520191

Level:
Advanced

Course:
Workshops

Speaker:
Paul Tuohy
ComCon

What is the fastest way to get your System i applications talking to the web? You don't need Java, ASPs, JSPs or Websphere. You already have everything you need in RPG IV, the System i HTTP Server and CGIDEV2 a free tool from IBM to enable RPG programs to interact easily with a browser.

In this workshop you will see how to:

1. Understand and write basic HTML
2. Understand how a browser communicates with a program through the HTTP server powered by Apache (including basic configuration).
3. Understand the basic principle of the CGI APIs (and why it is better not to use them directly)
4. Use the CGIDEV2 APIs.
5. Code RPG programs to write data to and read data from a web page using CGIDEV2 and externally defined HTML.
6. Write the equivalent of print programs, subfile programs, and maintenance programs.
7. Understand how Javascript and AJAX may have a part to play.

Who Should Attend: Programmers and Analysts who wish to leverage their existing skills to enable them to write programs to interact with the web.

Agenda

- Introduction
- System i HTTP Server powered by Apache.
- Basic HTML
- The System i CGI APIs.
- Printing to the Web
- Interacting with a Browser
- HTML Forms
- External HTML with CGIDEV2
- Debugging
- Considerations for Javascript and AJAX

Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Wednesday, 10/17/2007

WORKSHOP: Systems Management

41AA: Wed 8:30 - 4, Franklin D - Data Ctr, Hyatt Regency Columbus

ID:530028

Level:
All

Course:
Workshops

Speaker:
Larry Bolhuis
Arbor Solutions,
Inc.

This workshop will cover:

1. HMC, what it does, when you need one, general care and feeding.
2. FSP updates, why, when, how (two ways: with and without HMC).
3. PTFs for i5/OS, gettin' 'em and loadin' 'em, and knowing what you have! (including Fix Central overview).
4. VMI - Tape and Optical. The care and feeding of image catalogs and how to clean a virtual tape drive.
5. Management central - performance monitoring, PTF distribution, central site inventory.
6. Storage Management - How much disk is enough (rhetorical question!). Adding disk, managing ASPs (including iASPs)
7. RCLSTG and why you need one.
8. Various System values.
9. Spool file maintenance including use of iASPs, Joblog Servers, and disconnected spool file functions.

Breaks are planned in the morning, for lunch and in the afternoon.

WORKSHOP: (LAB) Using Java to Build System i Web Applications

41AB: Wed 9 - 4:15, Franklin A - Lecture (Labs), Hyatt Regency Columbus

ID:480169

Level:
All

Course:
Workshops

Speakers:
Paul B. Holm
PlanetJ Corporation
Tim Eckert
PlanetJ

This workshop will focus on building a dynamic web based application accessing the System i database. Students will be introduced to Java, JDBC, Servlets, and JSPs. Hands on lab exercises combined with a series of lectures will guide student through all the key components and steps needed to build WebSphere applications working with IBM's System i database. Students will also learn how to leverage a set of pre-built Java utility classes called WOW which they can freely use to speed their development tasks.

At the end of this workshop students will have:

1. Gained a basic understanding of Java
2. Gained a basic understanding of JDBC
3. Gained a basic understanding of Servlets and JSPs
4. Developed their own dynamic web application using WebSphere Studio, Servlets, JSPs, and a System i database.

NOTE: Lecture and lab segments will take place in separate rooms. Breaks are planned in the morning, for lunch and in the afternoon.

F07 Columbus Sessions: Wednesday, 10/17/2007

Preview i5/OS V6R1: Prepare for Conversion

44AJ: Wed 12:30 - 1, Regency Ballroom, Hyatt Regency Columbus

ID:530050

Level:

All

Course:

IBM Forum

Speaker:

Gottfried

Schimunek

IBM Corporation

IBM plans to introduce a major new release of i5/OS in 2008, with a wide range of enhancements that include major new security, business resiliency and Virtualization capabilities. i5/OS security enhancements will help companies protect vital data by encrypting backups to any tape device as well as files stored on disk. In addition, new intrusion protection features will help businesses guard against hackers. Continued investments in business resiliency include enhancements and further simplification of system cluster management. Virtualization support will be enhanced with new features to simplify testing and deployment of i5/OS applications. Also i5/OS storage Virtualization will be enhanced to enable broader access to network storage devices. Application Program conversion will be required to run with i5/OS V6R1 and requires program's creation data (observability). We will explain what you can do today (using V5R3 and V5R4) to analyze your current application to make sure it will be converted correctly at V6R1. We will also point you to beta releases and systems with V6R1 to perform early remote testing of applications.