

Web Applications: Architecture and Development

Due to the broad acceptance of the Web Browser as a user interface, applications once confined to a company's private network and proprietary interfaces are now expanding across internal networks and out to Business to Business Extranets and to the Internet. Topics in this COS define and position the numerous technologies available to today's developer like HTML, Javascript, Java Server Pages (JSPs), Servlets, XML, XSL, Portals, and Portlets to name a few.

Building Web SF06 Miami Sessions: Thursday, 9/21/2006

HTML

21MI: Mon 8 - 9:15, A209, Miami Conv Ctr

 SILVER
ID:403277

Level:
Beginner

Course:
Web
Applications:
Architecture and
Development

Speaker:
Melissa K.
Anderson
IBM Corporation

Looking to get started with web sites or web programming? HTML is your first building block--it's the display language of the web. This session provides examples and tips for using HTML. You'll learn how to format text with HTML and how to design user input forms for web applications.

Using Web Services to Integrate iSeries Apps with Microsoft .Net

22MG: Mon 9:30 - 10:45, B119, Miami Conv Ctr

ID:410209

Level:
Beginner

Course:
Web
Applications:
Architecture and
Development

Speaker:
Elena Lowery
IBM Corporation

In this session you will learn how to use Web services to integrate iSeries applications with Microsoft.Net. We explain the basics of Web services, as well as design principles and development methodology for integrating heterogeneous applications. This session is filled with demos of IBM and Microsoft tools that simplify Web services development.

Intro to PHP

21MJ: Mon 8 - 9:15, A208, Miami Conv Ctr

ID:490029

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Tony Cairns
IBM Corporation

This session will introduce you to PHP on iSeries. PHP has the enviable position of being the only open-source server-side scripting language that's both fun and easy to learn. Unlike CGI scripts, which require you to write code to output HTML, PHP lets you embed PHP code in regular HTML pages, and execute the embedded PHP code when the page is requested. Built-in database support means that you can begin creating data-driven applications immediately, XML support makes it suitable for the new generation of XML-enabled applications.

Discover a world of available download PHP applications to quickly get your iSeries hosting a wiki, blog, shopping cart, or message board. Extremely robust and scalable, PHP can be used for the most demanding of applications, and delivers excellent performance even at high loads. Recent surveys show that more than 16,000,000 Web sites use PHP as a server side scripting language. To put together a cutting-edge Web site, chock full of all the latest bells and whistles, there's only one acronym you really need to know: PHP.

How Does RPG Talk to a Browser

22MP: Mon 9:30 - 10:45, B215, Miami Conv Ctr

 BRONZE
ID:470012

Level:
Advanced

Course:
Web
Applications:
Architecture and
Development

Speaker:
Paul Tuohy
ComCon

A web browser is fast becoming the new interface for iSeries Applications. RPG still has a large part to play in browser based interfaces. But how can an RPG program be called from a browser? What do you need on the iSeries? How can an RPG program communicate with a browser?

In this session learn:

1. How to configure the Apache Server.
2. The basics of CGI (Common Gateway Interface).
3. Some of the "gotchas" when programming for a browser.

F06 Miami Sessions: Thursday, 9/21/2006

LAB: Hands On iSeries PHP

22LA: Mon 9:30 - 10:45, A205, Miami Conv Ctr

ID:490101

Level:

All

Course:

Web
Applications:
Architecture and
Development

Speaker:

Tony Cairns
IBM Corporation

This lab will introduce you to PHP on iSeries. Unlike CGI scripts, which require you to write code to output HTML, PHP lets you embed PHP code in regular HTML pages, and execute the embedded PHP code when the page is requested. Built-in database support means that you can begin creating data-driven applications immediately, XML support makes it suitable for the new generation of XML-enabled applications. Try the lab examples and see why PHP is an open-source server-side scripting language that's both fun and easy to learn.

This lab has been changed to match Zend Core for i5 GA release. We will be spending time using the Zend Studio IDE to checkout sample PHP programs for the ibm_db2 extension and the new i5 toolkit extension. The samples will be scripted to allow you to proceed at your own pace with a minimum of instructor assistance.

Introduction to XML

23MP: Mon 11 - 12:15, B215, Miami Conv Ctr

ID:406056

Level:

Beginner

Course:

Application
Development

Speaker:

Susan
Gantner
Partner400

XML is becoming a core technology for representing and exchanging data in a wide variety of applications, including those targeting the Internet. This session provides a tutorial on what XML is and provides a foundation for the later sessions in the conference dealing with XML technologies.

In this session, learn:

1. XML concepts and terminology, including XML, DTD, Schema, XSL
2. Options for handling XML in iSeries based applications.
3. How XML is used in applications and potential future applications.

Doing Business with WebSphere in One Hour (For Every iSeries User)

23MG: Mon 11 - 12:15, B119, Miami Conv Ctr

ID:440151

Level:

Beginner

Course:

Web
Applications:
Architecture and
Development

Speaker:

David Money
IBM Corporation

Have you been working with iSeries and keep asking yourself what is this WebSphere thing? Come get your hands dirty, and try it out. Never written a line of Java in your life, here is your chance. Take the examples provided in this course and implement them in your office or at one of WebSphere open labs. This is how you learned RPG, from examples that you played with and made do what you wanted them to do.

The primary purpose of this session is to allow a traditional AS/400 programmer to start with nothing but the installation CDs and create a functional WebSphere application.

By the end of this session, attendees will be able to:

1. Create a JSP and Servlet that can access, display, and change iSeries data using a web browser.
2. Take that source code, compile it, deploy it and call it from a web browser.
3. Use WebSphere.

LAB: WebSphere Portal Server - Development

23LA: Mon 11 - 1:45, A205, Miami Conv Ctr

ID:450110

Level:

Advanced

Course:

Web
Applications:
Architecture and
Development

Speaker:

Elena Lowery
IBM Corporation

Portlets are applications that run in WebSphere Portal. In the first part of this session you will learn about different options for developing portlets. During the session you will gain understanding of portlet application architecture, portlet API, and find out how to 'portalize' your existing Web applications. In the second part of the lab you will get hands-on experience in developing portlets that access iSeries applications and data.

F06 Miami Sessions: Thursday, 9/21/2006

PHP for System i Programmers

23ME: Mon 11 - 12:15, B117, Miami Conv Ctr

52MH: Thu 9:30 - 10:45, B122, Miami Conv Ctr

ID:510205

Level:
Advanced

Course:
Web
Applications:
Architecture and
Development

Speaker:
Melissa K.
Anderson
IBM Corporation

PHP, the most popular scripting language on the web, has come to System i. Millions of web programmers use PHP to easily create interactive, dynamic web applications--and now, so can you! This session provides an introduction to programming with the PHP language and how to use it to web-enable i5/OS resources. Plenty of code examples and references for further study are included. No previous web programming experience necessary.

Prerequisites: Basic knowledge of HTML

PHP System i5 Perspectives

25ME: Mon 2 - 3:15, B117, Miami Conv Ctr

ID:510102

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Tony Cairns
IBM Corporation

Now that PHP is on the System i5 platform, we can begin to show the benefits of PHP on i5/OS. The positives aspects of using PHP on System i5 platform will be highlighted. Are there any restrictions of PHP on System i5? We'll also cover performance considerations and lessons learned by first time PHP users will help new PHP customers familiarize themselves with the prospect of using PHP in their environments.

By the end of this session, attendees will understand:

1. The positive aspects for PHP on System i5.
2. Performance considerations.

LAB: Introduction to Java

25LA: Mon 2 - 4:45, A205, Miami Conv Ctr

41LB: Wed 8 - 10:45, A201, Miami Conv Ctr

ID:403692

Level:
Beginner

Course:
Java Language

Speakers:
Kim Button
IBM Corporation
Vanessa
Grose
IBM Corporation

Ready to learn Java programming? This lab provides a short introduction to Java and demonstrates how it fits with the iSeries.

In this lab, learn:

1. How to write Java applications and applets.
2. How to run the applications and applets on PC and iSeries.
3. How to identify key components of a Java source file.
4. How to create Java programs on PC and iSeries.
5. How to identify different types of Java programs.

Introduction to AJAX for RPG Developers

26ME: Mon 3:30 - 4:45, B117, Miami Conv Ctr

ID:510173

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Paul Tuohy
ComCon

Although it has been around for a number of years Asynchronous JavaScript and XML (AJAX) has suddenly become a hot topic. What is all the fuss about? What relevance does AJAX have for the RPG programmer?

AJAX provides a means of having a web page communicate with a server, either synchronously or asynchronously. Combined with CGI programming techniques (CGIDEV2 is used in the presentation), you now have a means of dealing interactively with a web page - i.e. changing the contents of a web page without having to re-write the whole page.

And best of all, it is already installed on every PC - all you have to do is use it!

In this session provides an introduction to AJAX in which you will learn:-

1. The background to AJAX.
2. How it works.
3. Examples of how to use it.

F06 Miami Sessions: Thursday, 9/21/2006

WebSphere for Dummies

31MI: Tue 8 - 9:15, A209, Miami Conv Ctr

42MH: Wed 9:30 - 10:45, B122, Miami Conv Ctr

ID:500057

Level:
Beginner

Course:
Web
Applications:
Business
Decisions

Speaker:
Al Grega
IBM Corporation

WebSphere, WebSphere, WebSphere! If you've been hearing this a lot maybe it's time to truly understand what it's all about. This session is geared towards IT Executives, Decision Makers or anyone that needs to understand WebSphere better. We'll approach the subject for attendees that have little or no knowledge of WebSphere and will gently introduce you to all the products in the family available on i5/OS along with their business value.

By the end of this session, attendees will be able to:

1. Understand the WebSphere family, and how the products are used.
2. Understand what WebSphere products are supported on i5/OS.
3. Determine what sessions and labs to attend at COMMON to learn more.

WDS: RPG and COBOL Tools in WDS: The Remote Systems Explorer

32MH: Tue 9:30 - 10:45, B122, Miami Conv Ctr

 **BRONZE**
ID:450152

Level:
Advanced

Course:
Application
Development

Speaker:
George Farr
IBM Corporation

The Remote Systems Explorer (RSE) is the development environment within WebSphere Development Studio client that allows you to develop RPG and COBOL applications. This development tool is the 21st century follow-on to the world of SEU, SDA, PDM, etc and even CODE/400. All the things that a developer might wish were possible with a green screen are in the RSE and some that you haven't even thought of yet!! Other benefits include improving programmer productivity and morale, off-loading host development workload and allowing existing applications to be maintained more effectively.

Building Web Sites: Introduction to JavaScript

32MG: Tue 9:30 - 10:45, B119, Miami Conv Ctr

 **BRONZE**
ID:460220

Level:
Advanced

Course:
Web
Applications:
Architecture and
Development

Speaker:
Melissa K.
Anderson
IBM Corporation

Client-side JavaScript is a scripting language that you can use to turn static HTML pages into dynamic, interactive web pages.

Not only can JavaScript jazz up your web pages by providing function that HTML can't, it can ease the burden on your server-side applications (such as CGI programs) by validating form input and adding dynamic function at the browser level.

In this session you will learn:

1. What JavaScript is and what it can do.
2. Why JavaScript is a powerful tool for web development.
3. How JavaScript is used in web pages (with code examples), including:
 - Form validation
 - Page redirection
 - Opening windows
 - Writing to the browser
 - Image swapping

Prerequisites: Experience with HTML forms. Knowledge of web programming is helpful, but not required.

RPG Does XML: New Language Features

32MN: Tue 9:30 - 10:45, B213, Miami Conv Ctr

ID:500167

Level:
All

Course:
RPG IV

Speaker:
Jon Paris
Partner400

Whether using XML for web services or data interchange, dealing with XML documents from RPG is definitely challenging. Hot off the presses, good news has arrived in the form of new native RPG IV language support that greatly simplifies parsing XML from your RPG programs. In this session we'll discuss the two types of XML parsing support offered and the new operation codes that provide that support. If your applications need to be able to read and understand XML, you don't want to miss the details of this new support coming soon to an iSeries near you.

F06 Miami Sessions: Thursday, 9/21/2006

SOA/EDA - The Future of Software Development

32MI: Tue 9:30 - 10:45, A209, Miami Conv Ctr

ID:500175

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Marc R.
Doyon
Quatred, LLC

This session explores the benefits of deploying a Service-Oriented / Event-Driven Architecture to solve business challenges. The combination of SOA and EDA isolates business processes from application functionality and delivers the foundation for a flexible, scalable, open architecture that is superior to traditional software solutions. It allows businesses to construct re-usable services (core and supplementary) that can be exploited through a wide variety of user interfaces.

By the end of this session, attendees will understand:

1. The components of an SOA / EDA solution.
2. How SOA / EDA solutions work and how they are deployed.
3. An example of deploying a successful SOA / EDA solution.z

Introducing the IBM Toolbox for Java

33MH: Tue 11 - 12:15, B122, Miami Conv Ctr

ID:403552

Level:
Beginner

Course:
Java Language

Speaker:
Kim Button
IBM Corporation

The IBM Toolbox for Java is a set of Java classes and tools for accessing iSeries data and resources from a Java program.

In this session, learn:

1. The basic components of the Toolbox.
2. How to call programs, access DB2/400 data, and access data queues in Java.
3. How a Java program can access iSeries data.
4. Methods to identify when the Toolbox is useful.

Servlets and JSPs for Beginners

33MG: Tue 11 - 12:15, B119, Miami Conv Ctr

ID:408139

Level:
Beginner

Course:
Web
Applications:
Architecture and
Development

Speaker:
David Money
IBM Corporation

Client-side Java and Java applets are not where the world of Java is headed -- it's server-side Java with Java servlets and JSP's. This presentation introduces iSeries programmers with the architecture of server-side Java. It will show how easy it is for an iSeries programmer to develop host applications and it will explain why Java servlets perform better than RPG servers.

By the end of this session, attendees will be able to:

1. Understand the architecture of Server-side Java with servlets and JSP's.
2. Know the required Java syntax of a Java servlet.
3. Understand the power inherent to Java servlets (Cookies, HTTP headers, parms, etc.).

CGIDEV2 - The Basics - "Printing to the Web"

33MM: Tue 11 - 12:15, B212, Miami Conv Ctr

ID:409218

Level:
Intermediate

Course:
Web
Applications:
Architecture and
Development

Speaker:
Jon Paris
Partner400

This session will show you how you can convert printed reports to deliver them to your users via the browser. We will also show how easy it is to extend the functionality of these 'reports' to include graphics and links to other applications.

You will learn:

1. The basic HTML required to build simple pages.
2. An easy technique using RPG IV SPECIAL files that allows you to convert a program in next to no time.
3. How to extend the report content through the use of graphics.
4. How to accept parameters from the user to control the report contents.

F06 Miami Sessions: Thursday, 9/21/2006

Getting Started with SOA on iSeries

33MN: Tue 11 - 12:15, B213, Miami Conv Ctr

ID:500023

Level:

All

Course:

Web

Applications:
Architecture and
Development

Speaker:

Al Grega
IBM Corporation

There are a lot of misconceptions out there about Services Oriented Architecture (SOA). Many think that SOA is just about web services, some think it's some new thing that IBM created and is trying to sell. The reality is SOA is an architectural style supported by many major software vendors and provides a new way to look at your business and how to better adapt to the rapid changes you face every day. The technology behind SOA is not new and it's all based on mature industry standards. The purpose of the session is to help you better understand What SOA is, What the business value is, Why every major software company and analyst are endorsing this architecture and most importantly How can you get started with this on iSeries?

After attending this session the attendee will be able to:

- 1) Define what a service, service orientation, Services Oriented Architecture and a composite application is?
- 2) Understand how a Services Oriented Architecture can be used as a foundation for an On demand Business?
- 2) Understand How to get started with SOA on iSeries and what other sessions you need to attend this week?

CGIDEV2 - The Details

35MM: Tue 2 - 3:15, B212, Miami Conv Ctr

ID:409219

Level:

Intermediate

Course:

Web

Applications:
Architecture and
Development

Speaker:

Jon Paris
Partner400

This session will introduce you to one of IBM's best kept secrets - the CGIDEV2 tools. CGIDEV2 contains tools that can significantly simplify the task of writing RPG IV CGI programs, and best of all, the whole thing is completely free.

We will show you how the tools work together to take the hard work out of CGI programming. We will also introduce you to IBM's Easy400 web site where you can find not only full working examples that use the CGIDEV2 library, but tutorials, downloadable source files and more.

You will learn:

1. How to obtain the CGIDEV2 tools.
2. The components of the tool set and how they work together.
3. How to tap into the additional resources of Easy400.

Prerequisite: Attendance at 409218 "CGIDEV2 - The Basics" or equivalent knowledge.

LAB: IBM Toolbox for Java

35LB: Tue 2 - 4:45, A201, Miami Conv Ctr

ID:403627

Level:

Intermediate

Course:

Java Language

Speaker:

Kim Button
IBM Corporation

This lab explores classes and utilities that are part of the IBM Toolbox for Java.

In this lab, learn:

1. How to create a program using basic Toolbox components.
2. How to identify the various types of Java applications that can use Toolbox components.
3. How to write a program using XML to call an iSeries program.

Web Enabling Database Resources with WDS

35MH: Tue 2 - 3:15, B122, Miami Conv Ctr

ID:480200

Level:

Intermediate

Course:

Web

Applications:
Architecture and
Development

Speaker:

George
Weaver
IBM Corporation

This session illustrates how you can easily build, test and deploy new, high value Web applications that leverage your investment in DB2 UDB for iSeries resources, with WebSphere Development Studio client (WDS) for iSeries. It includes a brief overview of Java based techniques for accessing DB2 UDB for iSeries. It includes detailed examples of using the WDS data perspective and Web perspective wizards to build Web applications without requiring any Java programming experience. It also covers the WebSphere Application Server configuration steps necessary to deploy these new applications.

F06 Miami Sessions: Thursday, 9/21/2006

Web Services: Introduction to Developing and Using

36MI: Tue 3:30 - 4:45, A209, Miami Conv Ctr

ID:410135

Level:
Advanced

Course:
Web Applications: Architecture and Development

Speaker:
Pat Fleming
IBM Corporation

What is this concept called Web Services and why all the excitement? This session will provide an overview of the emerging Web Services application model, using WDS to develop Web services and how turn your RPG programs into Web services. Key components of the Web Services model will be covered, including use of SOAP for invocation of Web Services, WSDL for definition of Web Service interfaces and UDDI as a common repository to register and locate Web Services.

Introduction to Domino 7 Web Services

41MB: Wed 8 - 9:15, B114, Miami Conv Ctr

ID:500223

Level:
All

Course:
Workplace Collaboration/
Lotus

Speaker:
Mac Guidera
IBM Corporation

SOA technologies are becoming mainstream throughout the IBM product line and beyond. IBM Lotus Domino 7 makes it easy to get started with Web services, and this session will provide the insights to make it even easier. We will describe how Web services support is integrated into Lotus Notes and Domino 7, and how you can take advantage of Web services technologies in your applications with LotusScript and/or Java.

WDHT: Introduction to WebSphere HATS

36MD: Tue 3:30 - 4:45, B116, Miami Conv Ctr

ID:440004

Level:
Beginner

Course:
Web Applications: Development Tools

Speaker:
Ron Craig
IBM Corporation

IBM WebSphere Host Access Transformation Services (HATS) provides access to your 5250 and 3270 applications through most popular Web browsers. Host screens are transformed into graphical user interfaces in real time using a rules-based engine, with no change to the host application required.

This session includes an overview of the HATS product, as well as details on new features recently added to the product.

By the end of this session, attendees will understand how to:

1. Use WebSphere Studio with HATS to create a Web application that can transform a 5250 application into Web interface.
2. Customize the appearance of screens to give them a completely new look.
3. Script transactions as HATS macros and generate Web services from them.

Introduction to Websphere MQ

42MC: Wed 9:30 - 10:45, B115, Miami Conv Ctr

ID:404359

Level:
Intermediate

Course:
Web Applications: Business Decisions

Speaker:
Karen Stanley
IBM Corporation

The presentation answers the questions:

1. What is messaging and what solutions does it enable?
2. What is MQSeries and what benefits does it bring to your business?
3. How does MQSeries enable Business 3. Integration.
4. How does MQSeries interact with Java, SAP, Notes, etc.?
5. How is MQSeries evolving? What is the future direction?

Getting Started With LotusScript Programming

43MB: Wed 11 - 12:15, B114, Miami Conv Ctr

ID:420102

Level:
Beginner

Course:
Workplace Collaboration/
Lotus

Speaker:
Kim Greene
Kim Greene Consulting, Inc.

This session will explain the Domino Object Model and help you understand how to use this model to correctly manipulate Domino objects. The LotusScript programming language is the most commonly used programming language today in Domino, learn how to start using this language and see some of the enhancements in Domino Designer 6 that make your life easier as a developer!

F06 Miami Sessions: Thursday, 9/21/2006

OPEN LAB: Java Servlets: The Ultimate Web Application Architecture

43LA: Wed 11 - 12:15, A205, Miami Conv Ctr

44LA: Wed 12:30 - 1:45, A205, Miami Conv Ctr

ID:460130

Level:

All

Course:

Web Applications: Architecture and Development

Speakers:

Sal Stangarone
mrc (michaels, ross & cole)
Brian Crowley
mrc (michaels, ross and cole)

Web application development is a high priority for many IS departments. With so many Web architectures to choose from, it can be difficult to know how to get started. Due to considerations of speed, platform- and database-independence, and industry-wide backing, Java servlets provide the ultimate Web application architecture. This lab will show you how to get started.

This hands-on lab will demonstrate how to build live, high-performance, interactive Web applications using Java servlets, without manual programming. Using award-winning application development software, m-Power, lab participants will use an easy to navigate Web interface to quickly, and automatically generate powerful Web applications that access live iSeries data.

Each application built using Java servlet technology are WebSphere compatible and are fully portable, running on OS/400 and Linux.

By the end of this session, attendees will be able to:

1. Build interactive Web applications that access live iSeries data.
2. Understand how Java servlet applications perform.
3. Navigate the wizard-like menu of the m-Power Web interface.

OPEN LAB: RPG - Advanced

45LA: Wed 2 - 3:15, A205, Miami Conv Ctr

46LA: Wed 3:30 - 4:45, A205, Miami Conv Ctr

ID:460045

Level:

Advanced

Course:

RPG IV

Speakers:

Paul Tuohy
ComCon
Jon Paris
Partner400

This lab is intended as a follow-on to one or more of the following sessions:-

420213 RPG IV: Subprocedures - The Basics
403321 RPG IV: The Power of Prototyping
404513 RPG IV: Subprocedures - Beyond the Basics

480080 /Free Your RPG!
480082 Exploiting RPG's V5 Power Features
409218 CGIDEV2 - The Basics - "Printing to the Web"
409219 CGIDEV2 - The Details
430135 Getting to Grips with Pointers and User Spaces in RPG IV

Introduction to JSF Development

45MF: Wed 2 - 3:15, B118, Miami Conv Ctr

ID:490028

Level:

All

Course:

Web Applications: Architecture and Development

Speaker:

Elena Lowery
IBM Corporation

Java Server Faces (JSF) is a new technology that improves and simplifies Java Web application development. In this session we explain JSF concepts and show how to build a JSF application that accesses iSeries applications and data. JSF features cover a complete UI component model, Web UI event support, better MVC implementation, better client support, simple application control, page building tools. and more.

By the end of this session, you will know:

1. How JSF simplifies Web development.
2. How to use JSF to connect to iSeries applications and data.

IBM Toolbox for Java: Advanced

44MA: Wed 12:30 - 1:45, B113, Miami Conv Ctr

ID:407180

Level:

Intermediate

Course:

Java Language

Speaker:

Kim Button
IBM Corporation

The IBM Toolbox for Java is a set of Java classes and tools for accessing iSeries data and resources from any Java environment.

In this session, learn:

1. The popular components of the Toolbox in more detail.
2. The advanced functionality provided by the Toolbox (such as XML and database access).
3. Information about JTOpen (the open source version of the Toolbox).

F06 Miami Sessions: Thursday, 9/21/2006

Accessing DB2/400 with Java

Database Connect: JDBC

46MA: Wed 3:30 - 4:45, B113, Miami Conv Ctr

ID:408135

Level:
Beginner

Course:
Java Language

Speaker:
Peter
DeGregorio
PGM Systems, Inc.

Where Java is "write once, run anywhere", JDBC is "data access anywhere". JDBC is the way Java accesses relational databases and uses SQL to do so. This session provides overview of JDBC and SQL with stepped-through code examples and touches on real-world use, such as access from within an application server.

A Critical Comparison of Refactoring Tools

51MA: Thu 8 - 9:15, B113, Miami Conv Ctr

ID:440205

Level:
Intermediate

Course:
Web
Applications:
Development
Tools

Speaker:
Alison Butterill
IBM Corporation

Many iSeries shops are trying to move toward refactoring their existing applications. Moving them to the Web. Putting them in a GUI. But while there never seemed to be any tools in the past, now there seem to be so many. The are confused and bewildered. Should I use HATS or WebFacing? Client Access or Host Publisher? Host Integration or Host on Demand? And that's before they even consider the various partner solutions like Seagull and Jacada and Look Software. This session will take an objective view of all of these tools side by side and spell out the pros and cons of the tools, helping you boil the list down to the best tool for your situation.

OPEN LAB: Web Services

53LC: Thu 11 - 12:15, A202, Miami Conv Ctr

54LC: Thu 12:30 - 1:45, A202, Miami Conv Ctr

55LC: Thu 2 - 3:15, A202, Miami Conv Ctr

56LC: Thu 3:30 - 4:45, A202, Miami Conv Ctr

ID:440067

Level:
Intermediate

Course:
Web
Applications:
Development
Tools

Speaker:
Pat Fleming
IBM Corporation

This open lab offers lab exercises for Web Services. The lab contains the following exercises that use WDS wizards to develop and deploy web services to an iSeries WebSphere application server:

1. Create a RPG Web Service: Turn an RPG module into a Web Service using a single wizard in WDS.
2. Create a RPG Web Service Client: Use Web Services for C/C++ (WSSC) to generate a Web Service Client, from a WSDL file. Invoke the C Web Service Client from a RPG program.
3. DB2 Web Service Lab: Generate an simple SQL statement to query the iSeries DB2 and then use DADX to wrapper the SQL statement as Web Service.

F06 Miami Sessions: Thursday, 9/21/2006

OPEN LAB: WebSphere Application Server: Things You Didn't Know it Could Do!

53LC: Thu 11 - 12:15, A202, Miami Conv Ctr
54LC: Thu 12:30 - 1:45, A202, Miami Conv Ctr
55LC: Thu 2 - 3:15, A202, Miami Conv Ctr
56LC: Thu 3:30 - 4:45, A202, Miami Conv Ctr

ID:510044

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Vanessa
Grose
IBM Corporation

This lab consists of two exercises, both dealing with support for new application types in WebSphere Application Server V6.1. Version 6.1 of the application server provides both a portlet container for running JSR 168 compliant portlet applications and a session initiation protocol (SIP) container, in which you can run JSR 116 SIP servlet applications.

In this lab you will:

1. Use the Application Server Toolkit to develop and package a simple SIP servlet application.
2. Deploy Web applications to your server using the administrative console.
3. See how to use special JSP tags to perform portlet aggregation.
4. Run portlet and SIP applications on the application server.

Recommended prerequisite: Session 510043 - WebSphere Application Server: Things you Didn't Know it Could Do!

WDS: RPG and COBOL Tools in WDS: RSE Advanced

54MC: Thu 12:30 - 1:45, B115, Miami Conv Ctr

 **BRONZE**
ID:450155

Level:
Advanced

Course:
Application
Development

Speaker:
Claus Weiss
IBM Corporation

The Remote System Explorer of WDS provides rich functions for creating and maintaining of RPG, COBOL, DDS, and CL code. If you understand the basics, then come to this session to learn how to customize the environment. Learn also about iSeries Projects. There are many additional functions and features that can make your day to day development work even more effective and more fun.

Building Java Server Faces Web Apps

55ME: Thu 2 - 3:15, B117, Miami Conv Ctr

ID:470145

Level:
Intermediate

Course:
Web
Applications:
Architecture and
Development

Speaker:
Jim Mason
Cape Cod Bay
Systems

Learn how Java Server Faces (JSF), a complete, extensible Web UI framework, can improve and simplify development of your Java Web applications. Imagine a simple, powerful, flexible framework for building Web user interfaces. That's JSF. This session walks through the details of building a JSF Web database application in IBM's WDS. JSF features cover: a complete UI component model, Web UI event support, better MVC implementation, better client support, simple application control, page building tools and more. Given JSF's flexibility, we'll look at some simple options on how to get started using JSF in your applications. Plus, get tips on troubleshooting, integrating JSF with other frameworks like Struts, how JSF can be used in Service Oriented Architecture (SOA) environments.

By the end of this session, attendees will be able to:

1. Know how JSF simplifies Web development.
2. Define steps to build Web database apps easily.
3. Know how JSF can be applied on a variety of other applications.

Net.Data and PHP - A Comparison Study

53MN: Thu 11 - 12:15, B213, Miami Conv Ctr

ID:510101

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Tony Cairns
IBM Corporation

Until recently Net.Data has been the web scripting language of choice for many System i5 customers. In addition to support Net.Data, the System i5 platform is providing more choices for web scripting, specifically PHP. How are Net.Data and PHP similar? What are their major differences? These topics will be covered in this session. We will look at syntax differences, RPG and ILE interaction, and database interaction. The focus will be the comparison of the two web scripting languages and migration considerations.

By the end of this session, attendees will understand:

1. The comparison between Net.Data and PHP.
2. Migration from Net.Data to PHP.

F06 Miami Sessions: Thursday, 9/21/2006

Programming with iSeries Access for Web

55ML: Thu 2 - 3:15, B211, Miami Conv Ctr

ID:480144

Level:
Advanced

Course:
Client
Connectivity

Speaker:
Schuman
Shao
IBM Corporation

Are you starting to move your applications to the Web? Before you spend a great deal of effort rewriting all your programs, learn about the many functions in iSeries Access for Web that can be included in your program to access the iSeries Database, work with printer output, etc. By combining the use of other Web tools and iSeries Access for Web capabilities, you will find that you can quickly get your applications running in this new environment.

Prerequisites: Knowledge of Java programming and iSeries Access for Web capabilities.

A Primer on SOA

55MF: Thu 2 - 3:15, B118, Miami Conv Ctr

ID:500022

Level:
Beginner

Course:
Web
Applications:
Architecture and
Development

Speaker:
David Money
IBM Corporation

Everyone is talking about the SOA (Service Oriented Architecture) but do you really understand what it is? This session explains SOA in simple terms and explains the various terminology used in discussing SOA. Before you begin reading anything on SOA get a quick background first.

By the end of this session, attendees will be able to:

1. Understand what SOA is.
2. Know the terms used with SOA.
3. Explore the basic components of the architecture.