

RPG IV

This COS is designed to help RPG programmers expand their knowledge of the RPG IV language. As the RPG IV language continues to evolve and change, this COS provides fundamental and advanced sessions for the RPG programmer. Sessions in this COS are specifically designed to enhance the RPG programmers' skill and awareness regarding IBM announcements.

RPG Skills for F06 Miami Sessions: Thursday, 9/21/2006

21MP: Mon 8 - 9:15, B215, Miami Conv Ctr

 **SILVER**
ID:420126

Level:
Advanced

Course:
RPG IV

Speaker:
Paul Tuohy
ComCon

This session will guide an RPG programmer through the process of preparing for applications in the new millennium. In the move away from "green screen", what are the programming requirements? Where does RPG fit in and how does it change to meet new requirements?

In this session, you will learn:

1. To differentiate what skills you must learn.
2. To determine where new technologies fit in with your company's business requirements.
3. Why/when you should look at technologies such as RPG IV, ILE, Code/400, HTML, eRPG, Webfacing, VisualAge for RPG, Java and Websphere.

The Case For Free-Format RPG IV

21MO: Mon 8 - 9:15, B214, Miami Conv Ctr

ID:500163

Level:
Advanced

Course:
RPG IV

Speaker:
Jim Martin
Jack Henry &
Associates

This session will present answers to the most common question about free-format RPG IV: "Why use free-format RPG IV?" The major topics to be covered are the following:

1. The modernization of RPG IV
2. Free-format RPG IV: easier to read and maintain
3. A modern programming style
4. Being "current"
5. Why have programmers and managers decided to embrace free-format RPG?
6. Is going to free-format difficult or time-consuming?
7. Conclusions and summary

IBM's AD Strategy for RPG and COBOL Languages, WDS and RSE

21MM: Mon 8 - 9:15, B212, Miami Conv Ctr

ID:500105

Level:
Beginner

Course:
Application
Development

Speaker:
George Farr
IBM Corporation

If you care about the future and Application Development for System i and you are an RPG or COBOL user then this session is a must attend for you. In this session we will unveil the 6 major themes for System i AD which includes RPG in an SOA environment as well as enabling RPG to be device independent. Discussions will center around what RPG and the tooling will look like three years from now!

System i Developers' Roadmap

22ME: Mon 9:30 - 10:45, B117, Miami Conv Ctr

ID:450199

Level:
Advanced

Course:
Web
Applications:
Business
Decisions

Speaker:
Alison Butterill
IBM Corporation

The System i Developer Roadmap is a key initiative within the IBM System i Division. Since its introduction 2 years ago, it continues to be enhanced and extended based on feedback and industry experience. The System i Developer Roadmap is designed to show a suggested set of steps that can help an application and/or a developer's skills to evolve, integrating traditional development knowledge with advanced

technologies such as Service Oriented Architecture (SOA). Topics will include an overview of the key activities involved in each step along the way, and will overview the technologies required to make this transition.

F06 Miami Sessions: Thursday, 9/21/2006

Exploiting RPG's V5 Power Features

22MO: Mon 9:30 - 10:45, B214, Miami Conv Ctr

ID:480082

Level:
Intermediate

Course:
RPG IV

Speaker:
Jon Paris
Partner400

With free-format RPG stealing all the headlines, it is easy to overlook some of the other powerful features introduced in the V5 releases of RPG IV. This session will show you how to make the most of them to power-up your RPG programs.

Major topics to be covered include:

1. How to use the new MONITOR function to simplify error handling.
2. End the decimal data error blues by combining MONITOR with new I/O features.
3. Utilizing the Data Structure enhancements, including Qualified and Nested DSs, DS Arrays and new BIFs that help you to structure your data to match the real world.
4. How to code RPG "methods" for use from Java and how call Java methods from RPG.

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.

IBM's Investment in RPGIV Past, Present and Future

22MK: Mon 9:30 - 10:45, B210, Miami Conv Ctr

 **BRONZE**
ID:480208

Level:
All

Course:
RPG IV

Speaker:
George Farr
IBM Corporation

Do you want to know if IBM is investing in RPG? This session will take you thru some of the history of RPG IV and IBM's investment in it as well as covers the new functions recently introduced in the RPG IV compiler in V5R3 as well as future RPG features that will be coming soon to an iSeries near you! Time will be allocated at the end to allow customer to voice their requirements and any other Q&A on RPG as well as on tools.

/Free Your RPG!

23MO: Mon 11 - 12:15, B214, Miami Conv Ctr

ID:480080

Level:
Intermediate

Course:
RPG IV

Speaker:
Jon Paris
Partner400

With the V5R1 release of RPG IV IBM has "liberated" the language. In this session we will explore the essentials of /free-form coding including:

- The basic syntax rules of /Free RPG (or "How I learned to love the semi-colon").
- The new Built-in-Functions designed to replace unsupported operation codes, including the new BIFs to manipulate dates and times.
- Coding alternatives for the defunct MOVE operation.
- New operations you can ONLY use in /Free form.

Accessing the Integrated File System (IFS) from RPG IV

26MH: Mon 3:30 - 4:45, B122, Miami Conv Ctr

ID:403547

Level:
Intermediate

Course:
RPG IV

Speaker:
Jon Paris
Partner400

RPGIV's ability to prototype C APIs opens the door to processing IFS files directly in RPG programs. This session will introduce you to the basics of opening, reading, and writing IFS files. We will also show you how to process directories, check for file accessibility and more.

References for further study of these topic areas will be provided.

Prerequisite: Session 403321 - The Power of Prototyping (or equivalent) COMMON F06 Miami, page 2

F06 Miami Sessions: Thursday, 9/21/2006

RPG IV Built-in Functions

31ML: Tue 8 - 9:15, B211, Miami Conv Ctr

ID:407136

Level:
Beginner

Course:
RPG IV

Speaker:
Kevin
Forsythe
DMC Consulting,
Inc.

A powerful feature of RPG IV is its built-in functions for string manipulation, status checking, and other tasks. These functions will enable you to write more powerful and self-documenting code, in fewer lines.

In this session, learn:

1. The most commonly used functions and sample code.
2. How to understand and use RPG IV built-in functions.

Blending Java with RPG

31MO: Tue 8 - 9:15, B214, Miami Conv Ctr

ID:480140

Level:
Advanced

Course:
RPG IV

Speaker:
Jon Paris
Partner400

The Java Native Method (JNI) support in RPG IV opens up a whole new world of possibilities. We can now write Java methods in RPG, and invoke Java methods from RPG.

These days there is a wide range of Java utility software freely available. Examples include: XML parsers, PDF creators, e-Mail, and Excel spreadsheet creation to name just a few. In this session we will introduce you to the basics of using these facilities from within your RPG programs.

A knowledge of RPG IV prototyping is assumed, some Java knowledge is helpful but not essential.

Breaking Apart Monolithic Programs

32ML: Tue 9:30 - 10:45, B211, Miami Conv Ctr

ID:430118

Level:
Intermediate

Course:
RPG IV

Speaker:
Mark S.
Waterbury
Industrial Strength
Software

Many existing legacy or heritage applications are written in older-styles, as large monolithic programs rather than as more modern modular routines. This session will explore how to break apart large monolithic programs along modern, object-oriented lines resulting in a client side that handles interactive screens and user interaction, and a batch server side that handles database I/O and any business logic (business rules, etc.) This session explores practical methods to allow you to begin to clone existing programs into two halves, the client side and the server side, in a fairly mechanical way that is easy for programmers to learn. Once you have done this, you can then begin to develop true PC-based clients running in a browser using JSP technologies, or using a pure Java client (using Swing, etc.) to provide a true graphical user interface to your existing legacy applications. You can begin using these techniques one program or application at a time, to begin to gradually convert your existing base of code to a more modern architecture.

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

1. Approach re-modularizing applications.
2. Separate user interface from batch logic.
3. Create a true client/server architecture.

WDSc: RPG and COBOL Tools in

WDSc: 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.

F06 Miami Sessions: Thursday, 9/21/2006

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.

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 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 Orientated 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?

Modernize RPG Web Applications with IceBreak Application Server for ILE

33ME: Tue 11 - 12:15, B117, Miami Conv Ctr

ID:510113

Level:
Beginner

Course:
RPG IV

Speaker:
Jim Cooper
System & Method
International Inc.

Are you looking for an easy, cost-effective and rapid way to deploy RPG Web applications? This session examines how to develop modern RPG Web Applications that run natively on the System i in the advanced IceBreak application server. Developers build and deploy Web applications using native ILE languages RPG and COBOL, and other technologies like SQL, XHTML, XML, Web Services, and AJAX. The user interface is developed using HTML, XHTML, or XML and allows the separation of program business logic from the user interface. IceBreak application server takes advantage of the native ILE environment and runs Web applications that are real i5/OS ILE program objects. IceBreak is not a tool. It is a powerful advanced application server that does not require any additional hardware or software. That right, IceBreak does not require CGI, Java, Apache, WebSphere (WAS), PASE, WebFacing, HATS, or third-party generator tools. Just install IceBreak and start developing RPG.ILE Web applications. In addition, IceBreak runs COBOL Web applications as well. Come and see why IceBreak is the future Web development environment of the System i.

By the end of this session, attendees will understand:

1. The power of the IceBreak application server architecture and how it simplifies ILE Web application development.
2. How easy it is to implement and manage the IceBreak application server.
3. How easy it is to develop and deploy modern RPG Web applications.
4. How to develop Web applications where the RPG business logic is separate from the XHTML user interface.

F06 Miami Sessions: Thursday, 9/21/2006

RPG Tricks and Techniques

36MP: Tue 3:30 - 4:45, B215, Miami Conv Ctr

BRONZE
ID:480138

Level:
Advanced

Course:
RPG IV

Speaker:
Paul Tuohy
ComCon

This session covers tricks and techniques for the RPG IV programmer.

Come to this session and learn some of the things that you may not have known about the H Spec, Compiler Directives, the D Spec, Sorting Arrays, using dynamic memory allocation, using integers, using indicators, Triggers, Constraints, Record Locking techniques and other bits and pieces.

RPG IV: The Power of Prototyping

41MO: Wed 8 - 9:15, B214, Miami Conv Ctr

SILVER
ID:403321

Level:
Advanced

Course:
RPG IV

Speaker:
Jon Paris
Partner400

This session expands on the use of RPG IV Prototyping support beyond their use with Subprocedures. In addition to demonstrating their use to 'bullet proof' program calls, it includes examples of using prototypes to access system functions.

In this session, learn:

1. How to protect and improve external calls with prototypes.
2. How to use C library routines and other system functions from within your RPG programs.

OPEN LAB: Application Development with WDS

41LC: Wed 8 - 9:15, A202, Miami Conv Ctr

42LC: Wed 9:30 - 10:45, A202, Miami Conv Ctr

43LC: Wed 11 - 12:15, A202, Miami Conv Ctr

44LC: Wed 12:30 - 1:45, A202, Miami Conv Ctr

45LC: Wed 2 - 3:15, A202, Miami Conv Ctr

46LC: Wed 3:30 - 4:45, A202, Miami Conv Ctr

ID:430247

Level:
All

Course:
RPG IV

Speakers:
Claus Weiss
IBM Corporation
George Farr
IBM Corporation
George Voutsinas
IBM Corporation
Roy S. Goldstein
Capricorn Information Systems
Abe Battish
IBM Corporation
Nazmin Haji
IBM Corporation

The following labs are offered during this Open Lab:

1. Using the Remote System Explorer and iSeries Projects (450153)
2. VisualAge RPG - Fundamentals (401205)
3. VisualAge RPG - GUI Subfile Programming (407145)
4. The IBM WebFacing Tool (408166)
5. Introduction to Web Tools (430277)
6. WDS: Working Off-line With iSeries Projects (480156)
7. Lab WDS: Working with RPG and Web Services (500106)

RPG IV: The D Spec

41MP: Wed 8 - 9:15, B215, Miami Conv Ctr

BRONZE
ID:450165

Level:
Intermediate

Course:
RPG IV

Speaker:
Paul Tuohy
ComCon

The Definition Spec brings new versatility to RPG. This session will teach you how to declare arrays, fields, data structures, pointers, named constants, and parameter lists. Multiple examples of definitions (and how they are used) are provided.

F06 Miami Sessions: Thursday, 9/21/2006

Converting to RPG IV and Free-Form with Linoma's RPG Toolbox

41MI: Wed 8 - 9:15, A209, Miami Conv Ctr

ID:470203

Level:
Advanced

Course:
RPG IV

Speaker:
Bob Luebbe
Linoma Software

This session will demonstrate how Linoma's RPG Toolbox can be used to reliably convert RPG source code to the most modern RPG IV syntax for your OS release. The Toolbox can modernize to either fixed format or free-form RPG IV, taking advantage of the latest RPG operations and style.

Comparisons will be made to the standard CVTRPGSRC command. Before and After source examples will be shown. A description of the various Toolbox conversion options will be discussed to take advantage of the most modern RPG syntax available.

This session will also discuss many of the additional productivity tools provided with the RPG Toolbox, including SEU Plus, a source code generator, source indenter and a compile analyzer.

OPEN LAB: Developing with HATS

41LC: Wed 8 - 9:15, A202, Miami Conv Ctr

42LC: Wed 9:30 - 10:45, A202, Miami Conv Ctr

43LC: Wed 11 - 12:15, A202, Miami Conv Ctr

44LC: Wed 12:30 - 1:45, A202, Miami Conv Ctr

45LC: Wed 2 - 3:15, A202, Miami Conv Ctr

46LC: Wed 3:30 - 4:45, A202, Miami Conv Ctr

ID:480013

Level:
All

Course:
Web
Applications:
Development
Tools

Speaker:
Ron Craig
IBM Corporation

Do you have legacy "green-screen", OS/400 5250 or z/OS 3270, applications that you would like to integrate with other heterogeneous applications? If so, you should consider using Web services technology as the framework for the integration.

In this open lab, you will use WebSphere Host Access Transformation Services, or HATS, to develop a Web services interface for a 5250 "green-screen" application. HATS macros, session pooling, integration objects, and Web services generation will be covered.

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

1. Use of WDS and HATS to develop Web services interfaces for "green-screen" applications.
2. Understand use of HATS macros, session pooling, and integration objects.
3. Understand use of HATS Web services generation.

F06 Miami Sessions: Thursday, 9/21/2006

RPG Application Architecture for the Modern Age

42MN: Wed 9:30 - 10:45, B213, Miami Conv Ctr

ID:420075

Level:
Intermediate

Course:
RPG IV

Speaker:
Bob Luebbe
Linoma Software

Your RPG applications contain an abundance of business logic that took years to develop and refine. So why are you spending the time and money to replicate this complex logic into your graphical and web applications? This course will show you how to restructure your RPG applications into a new multi-tier architecture, which separates your existing rules into powerful and reusable business objects. You will then be shown how to share this business logic with your green screens, Java front-ends and web applications. With RPG's high-speed database access and familiarity, its the perfect language for centralizing all your business rules.

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

1. Modernize existing RPG applications.
2. Move existing RPG logic into reusable business objects.
3. Share business rules with Green Screens, Java and the Web.

Externalizing Database Processing in RPG IV

42MQ: Wed 9:30 - 10:45, B216, Miami Conv Ctr

ID:500114

Level:
Advanced

Course:
RPG IV


Speaker:
Paul Tuohy
ComCon

One of the major considerations for the ongoing modernization of applications is how to make functionality accessible to multiple interfaces. But no matter how the application interfaces may change (green screen, web, client server, mobile phones etc.) or how data may arrive on the system (FTP, EDI, XML etc.) you can be sure that all of the data is going to end up in a database.

Externalized database processing provides a means of encapsulating database access. This session discusses why you may want to externalize database processing in RPG IV and how to do it.

RPG IV: Subprocedures - The Basics

43MO: Wed 11 - 12:15, B214, Miami Conv Ctr

 **BRONZE**
ID:420213

Level:
Beginner

Course:
RPG IV

Speaker:
Susan
Gantner
Partner400

RPG IV introduced the concept of built-in functions to the RPG programmer, but many still do not fully appreciate the power and flexibility they can add to your applications. As powerful as this support is though, it still can't provide every possible function that your applications will need. Enter user-defined procedures. Introduced in V3R6, these open up completely new ways of building applications. You'll be introduced to the basics of writing Subprocedures, and learn how they can help you build more powerful, modular applications.

In this session you will learn:

1. How to Code your own "built-in functions".
2. Use basic prototype options to increase the versatility of your subprocedures.
3. Add a "must have" skill to your resume.

RPG IV: Subprocedures - Beyond the Basics

44MO: Wed 12:30 - 1:45, B214, Miami Conv Ctr

ID:404513

Level:
Intermediate

Course:
RPG IV

Speaker:
Jon Paris
Partner400

This session goes beyond the basics of subprocedures to show you how to use parameter passing options including optional parameters. It will also gives you some practical ideas of how sub procedures can be used in your business applications.

In this session, you will learn:

1. How to use procedures to mask complexity.
2. How to use the V5R1 LIKEDS keyword to simplify returning result sets.
3. How some of the optional prototype keywords can be used to 'bullet proof' your procedures.

F06 Miami Sessions: Thursday, 9/21/2006

Getting to Grips with Pointers and User Spaces in RPG IV.

44MM: Wed 12:30 - 1:45, B212, Miami Conv Ctr

 **SILVER**
ID:430135

Level:
Advanced

Course:
RPG IV

Speaker:
Paul Tuohy
ComCon

What are pointers? What are User Spaces? What can you do with them? This session guides the programmer through the implementation of pointers in RPG IV, how they extend the capabilities of the language, their importance in an ILE environment and how they are used with APIs - especially those dealing with User Spaces!

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

1. Understand the benefits of pointers and the benefits of User Spaces in RPG IV.
2. Understand how to implement and use pointers and User Spaces in RPG IV.

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

Creating Stored Procedures with RPG

45MG: Wed 2 - 3:15, B119, Miami Conv Ctr

ID:450192

Level:
All

Course:
RPG IV

Speaker:
Schadd Gray
ProData Computer
Services, Inc.

Do you have Java applications accessing your iSeries data? Keep your business rules where they should be, in a RPG program. In this session you will discover how to provide data to client applications like Java and VB, using your existing business logic.

In this session you will learn:

1. How to set up a RPG stored procedure.
2. How to accept parameters and return data.
3. How to control your stored procedure environment.

Get Rid of Record Lock!

46MI: Wed 3:30 - 4:45, A209, Miami Conv Ctr

ID:408143

Level:
Intermediate

Course:
RPG IV

Speaker:
Kevin
Forsythe
DMC Consulting,
Inc.

Do your interactive programs create record lock? Did you know that they don't have too?

In this session, learn:

1. Various techniques for getting rid of record lock.
2. How to modify existing programs to prevent record lock.
3. Other miscellaneous RPG IV tips.

Some knowledge of RPG is assumed.

F06 Miami Sessions: Thursday, 9/21/2006

Introduction to Subfiles

47ME: Wed 5 - 6:15, B117, Miami Conv Ctr

ID:430094

Level:
Beginner

Course:
RPG IV

Speaker:
Dori Allen
Allen Diversified,
Inc.

Subfiles are an iSeries basic. They are used to display lists of information via a screen. Usually this is static data, ie; lists of accounts, payment history, invoice line items, etc. Subfiles involve the use of a HLL such as RPG, traditional files such as PF or LF, and display file DDS to define the data and its visual presentation. A basic subfile inquiry program will be reviewed along with its display file DDS. Using the Dori Allen Cookbook Guide to Subfile Coding, I will discuss and explain each piece. This presentation can also be presented with COBOL code for the COBOL audience.

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

1. Understand the basic 8 DDS subfile keywords.
2. Understand the difference between a subfile control format and a subfile data format.
3. Be able to write a simple subfile program.

Advanced Error Handling for ILE and RPG IV

51ME: Thu 8 - 9:15, B117, Miami Conv Ctr

ID:230150

Level:
All

Course:
RPG IV

Speaker:
Russell Popeil
DataMirror

This session covers ILE user written condition handlers, ILE Cancel Handlers, ILE message Percolation and Promotion. A user written handler will be reviewed. Additionally we will cover RPG IV specific error handling topics, API error handling, and extracting job information when handling errors.

In this session learn:

1. Coding and using ILE Condition Handlers.
2. Using *PSSR in RPG IV.
3. Using the E(rror) op code extender.
4. Using Monitor in RPG in V5R1.
5. Coding the Job Information API.
6. API Error Handling.
7. Extracting job information for a job's error condition.

WDS: VisualAge RPG Fundamentals

52ME: Thu 9:30 - 10:45, B117, Miami Conv Ctr


ID:402322

Level:
Beginner

Course:
RPG IV

Speaker:
Claus Weiss
IBM Corporation

This session offers a guided tour of building a client/server application using RPG. Led by members of IBM's VisualAge for RPG development team, attendees get a guided tour of the fundamentals from beginning to end.

In this session, you will learn how to:

1. Build the Graphical User Interface using the VARPG GUI designer.
2. Use your RPG skills to build the logic behind the GUI.
3. Access your iSeries data with VARPG.
4. Compile and run the VARPG application on a Windows workstation.

Using Dates & Times in RPG IV

52MM: Thu 9:30 - 10:45, B212, Miami Conv Ctr

ID:470013

Level:
Beginner

Course:
RPG IV

Speaker:
Kevin
Forsythe
DMC Consulting,
Inc.

RPG IV offers tremendous advantages in date and time handling over older versions of RPG. Many RPG shops have converted to RPG IV solely to take advantage of these enhancements. We'll take a detailed look at all the options available to us. This session is designed for programmers that are either new to RPG IV, or would like to brush up on their date and time handling. In either case, you'll have fun learning to deal with extreme dates! (And times).

Case Study: XML and RPG

52MD: Thu 9:30 - 10:45, B116, Miami Conv Ctr

ID:510181

Level:
Advanced

Course:
RPG IV

Speaker:
Charles
Guarino
Central Park Data
Systems, Inc.

This session goes through the process of initially receiving an XML document to ultimately successfully parsing it to a database file. The XML-INTO and XML-SAX statements will be reviewed. The challenges and requirements of both statements will be discussed. At the end of this session, you will be able to identify which parsing method works best for your particular situation.

F06 Miami Sessions: Thursday, 9/21/2006

Favorite Subfile Techniques

54MB: Thu 12:30 - 1:45, B114, Miami Conv Ctr

ID:230026

Level:
Intermediate

Course:
RPG IV

Speaker:
Dori Allen
Allen Diversified,
Inc.

This session presents subfile techniques which were developed by the speaker over the years.

In this session, learn:

1. Retrieving subfile records by cursor position (point and execute).
2. Virtual and side-by-side subfiles.
3. Sorting subfiles based on user selection.

The session assumes basic knowledge and experience with subfile programming and DDS keywords and contains RPG IV examples only.

WDS: RPG and COBOL Tools in WDSC: 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 WDSC 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.

BIF's in Free-Format RPG IV

56MF: Thu 3:30 - 4:45, B118, Miami Conv Ctr

ID:510094

Level:
Intermediate

Course:
RPG IV

Speaker:
Jim Martin
Jack Henry &
Associates

RPG IV programmers are finding out that while built-in functions (BIF's) were nice in fixed-format RPG IV, they are essential in free-format RPG IV. This session will look at the different kinds of BIF's, and how they get the work done. Some topics included are the following:

1. Why BIF's are so important in free-format RPG IV
2. The different kinds of BIF's
3. The "return value" concept of many BIF's
4. Op codes that are now BIF's in free-format
5. Details on some powerful BIF's, including %subst, %replace, and %subarr