



Manta
Technologies Inc.

The Manta

Online Seminar Series

Bringing the IBM i experts to you!

Joe Pluta

Paul Tuohy

Skip Marchesani

Jon Paris

Susan Gantner

Aaron Bartell

Kim Greene

Don Denoncourt

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http://www.

www.mantatech.com

THE MANTA ONLINE SEMINAR SERIES

The Manta **Seminar Series** is a collection of online seminars by the world's leading IBM i experts. In keeping with Manta's tradition of bringing the training to you, each seminar is an online presentation that you can take at home or at work. The seminars are available worldwide, 24 hours a day, seven days a week. All you need is a PC with Internet Explorer, speakers, and a decent Internet connection.

All seminars are delivered using Manta's online training delivery system, **MantaNow!** As with traditional Manta courses, the seminars let you set a bookmark to return at a later time. Each seminar is one to two hours long. You have two days to complete each seminar. (The timer starts when you first access a seminar, not when you purchase it.)

In some cases, the seminars were developed exclusively for Manta. In other cases, the

seminars are based on sessions that the speakers have recently given at national conferences. In all cases, you are getting the most up-to-date information from the leading experts in the field.

One of the major advantages of the seminar format is the ability to ask questions. In the case of the **Seminar Series**, answers to questions are provided via the Manta **Training Forum**, an online resource for System i students and trainers.

Handouts are an optional feature of many Manta seminars. Handouts are delivered as PDF files to the student's PC.

Because we are adding seminars on a weekly basis, you should visit our web site (www.mantatech.com) for complete descriptions of the latest offerings.

The screenshot shows a web browser window titled "http://www.mantatech.com/ - Manta Technologies Inc. - Windows Internet Explorer provided by Comcast". The page content includes a navigation sidebar on the left with buttons for "EXIT", "SET", "GOTO", "GLASSARY", and a "Forward" button. The main content area displays two browser windows. The first window, titled "Show Job - Mozilla Firefox", shows a form with fields for Job, Record Code, Blank, Job Name, Address, Address2, and Address3. The second window, also titled "Show Job - Mozilla Firefox", shows a form with fields for Labor Taxable Question, Expense Taxable Question, Newvers Retain History, Terms, Labor Bill Code, Expense Bill Code, Charge Code Amount, Company Code, Sold To Job, Sold To Customer, Bill To Job, and New Entry. Below the first window, text reads: "Notice the Edit and Delete buttons at the bottom of the page." The browser address bar shows "http://localhost:8080/".

A Sample Seminar Screen



Joe Pluta
Pluta Brothers Design, Inc.

The Using RDi Series (JPRD00)

Rational Developer for i (RDi) is the newly announced replacement for WDS*c*. In this series of seminars, Joe covers everything you need to know to get started with RDi. The series includes the six seminars shown on this page. The price of this series is \$480, a savings of \$96 over buying the seminars individually.

Eclipse and the Rational Products for the IBM i (JPRD01)

The application development tooling for the IBM i is very complex, especially the changes introduced in V6R1. This seminar will explain the new products and packages, how they relate to one another and how they fit within the larger scheme of the Rational product line and the even broader scope of Eclipse. Packaging and distribution will be addressed, including IBM's Installation Manager and how it works with the Eclipse software update process.

Eclipse and Rational Tool Fundamentals (JPRD02)

In this seminar, you will be introduced to the fundamental operation of the Rational Developer for i (RDi) tooling and the underlying Eclipse workbench. Examples of all of the basic components of the tooling will be presented: workbench, view, dialog, wizard, menu, preferences, perspectives, projects, and so on will all be covered. Common productivity-enhancing actions will be presented that can be used throughout all the products, such as context-sensitive menus and properties.

Migrating from PDM to RDi (RSE) (JPRD03)

This seminar explains how to use IBM's new graphical tool (Rational Developer for i) to perform all the day-to-day programming functions available in the green-screen PDM product. From logging on to creating a working environment to managing source to searching and opening source members, this course covers everything you need to use the new tooling.

Migrating from SEU to RDi (LPEX Editors) (JPRD04)

This seminar explains how to use the LPEX editors within IBM's new graphical tool (Rational Developer for i) to edit program source. You'll be shown how to perform all the functions of the green-screen SEU utility, as well as how to take advantage of all the unique productivity-enhancing features of the new LPEX editors, from Outline mode to content assist.

Compiling and Debugging in RDi (JPRD05)

In this seminar you'll see how to compile your IBM i objects using Rational Developer for i (RDi). You'll see the unique capabilities of the tool, including specifying and saving different compile options. Then you'll be given a tour of the debugging facilities, from launching programs to setting breakpoints and watchpoints to using the new Service Entry Point concept.

RDi Advanced Features (JPRD06)

This seminar provides a first look at the upcoming advanced features of the Rational Developer for i (RDi). The *Screen Designer* is the intended replacement for SDA, the venerable green-screen tool for designing 5250 application screens. Screen Designer replaces the older CODE Studio graphical designer and integrates directly into the RDi workbench. The *Application Diagrammer* provides a graphical visualization of your application, including relationships between programs. Both tools are in their early stages, but will become important parts of your toolbox as they mature, so it will be to your benefit to be introduced to them now.

THE MANTA ONLINE SEMINAR SERIES



Four of the most popular and respected educators in the market, Susan Gantner, Skip Marchesani, Jon Paris, and Paul Tuohy, team up with Manta to bring their renowned training expertise directly to developers' desktops. Based on sessions from their dynamic *RPG & DB2 Summit* conference, these online seminars feature practical, real-life tips and techniques specifically designed for RPG/DB2 programmers who want to innovate and progress their careers by optimizing the use of their company's IBM i applications.



Susan Gantner

Set Your RPG /Free (SGRP01)

In V5R1, IBM "liberated" the RPG language. Logic statements can now be completely free format. However, it's not enough to simply understand the basic syntax rules for coding /Free format RPG logic. Coding in /Free forces RPG programmers to give up many of their old habits (and many of their familiar operation codes) and use newer, more productive coding techniques.

In this seminar, we'll explore some of these techniques and discuss their benefits. We'll also cover the basic syntax rules along with the advantages of /Free-form RPG.



Paul Tuohy

Considerations for Successful ILE Implementation (PTRP01)

Although it is very rare that the implementation of any two ILE projects are exactly the same, there are many ground rules that are required in all implementations. This seminar discusses some of the considerations for a successful ILE implementation, including how to control and manage the development environment, development tools to use, design considerations (Activation Groups, Binding Directories, using Service Programs), and documenting procedures.

RPG Skills for the New Millennium (PTRP02)

This seminar 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? After completing this seminar, you should be able to:

- Differentiate what skills you must learn
- Determine where new technologies fit in with your company's business requirements
- Identify why/when you should look at technologies such as RPG IV, ILE, Code/400, HTML, eRPG, Webfacing, VisualAge for RPG, Java and WebSphere

**Also see our other
RPG courses in the Manta
IBM i Training catalog.**



Jon Paris

RPG in an XML World (JPXM01)

XML certainly appears to be the future of data interchange. It provides a powerful way to describe and encode data that is system independent. XML is quickly becoming the standard data interchange language for today's business-to-business applications. Along with its sister languages, XSLT and schemas, this skill is becoming a must have in today's IT world.

In this seminar, you will learn what XML is, and the basic syntax of the language. We will also look at how IBM's free CGIDEV2 toolkit can be used to generate XML from your RPG applications.

Using RPG IV's Built-in XML Support (JPXM02)

In this seminar, we'll look at the enhancements made to the RPG compiler to provide direct support for XML parsing. We'll also include a brief overview of the features added in earlier releases of Version 5 that are critical to understanding V5R4's XML support. We will also briefly describe other relevant features added to the RPG language in V5R4.

Whether you are using XML for web services or data interchange, dealing with XML in RPG prior to the V5R4 release was definitely challenging. V5R4 brings welcome relief in the form of new native RPG IV language support that greatly simplifies parsing XML within 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.

We will also discuss other relevant V5R4 features such as the new EVAL-CORR operation – what it is and why you should care.



Skip Marchesani

I Didn't Know You Could Do that with SQL (SMSQ01)

Tired of writing one-time RPG or Cobol programs to do special or unique things with your tables and data? In many cases you can use SQL instead. In this seminar, you will learn valuable and time-saving techniques with SQL that let you avoid writing code. You will learn how to use SQL Subquery or Subselect in an SQL **SELECT**, **INSERT**, **UPDATE**, and **DELETE** statement to reference multiple tables without having to do a join of the tables involved. You will learn how to summarize data, identify potential duplicate rows in a table, and more. This seminar is based on the SQL function available in i5/OS, assumes you have a basic understanding of relational database concepts and SQL, and assumes you are familiar with using the **SELECT**, **INSERT**, **UPDATE**, and **DELETE** statements.

Creating and Managing DataBase Objects Using SQL (SMSQ02)

Are you aware that IBM has recently stated that all future enhancements to DB2 for i will be made only via the SQL interface and that the native interface (CL, DDS, etc.) will be stabilized? Do you know that most of the database enhancements in Version 4 are available only through the SQL interface? You can use SQL to create, manage and manipulate your database objects. And, a combination of both DDS and SQL can be a vital tool.

All seminars are described in greater detail at www.mantatech.com. In addition to the seminar overviews, shown here, you will find objectives, audience descriptions, and prerequisites.

A free sample seminar is also available to test you browser.

THE MANTA ONLINE SEMINAR SERIES



Aaron Bartell
Krengel Technology Inc.

WDS Sc Tidbits of Goodies (ABWD01)

Have you been using WDS and are looking for the little tidbits to make you even more productive? Or maybe you are looking for THE reason to actually switch over from SEU? No matter the cause, see 40+ tips about what Aaron loves best in WDS and how he customized it to suit his needs. The goal of this seminar is to help you become a more efficient user of the WDS application and provide your company ROI for using the tool.



Kim Greene
Kim Greene Consulting, Inc.

What's New in Domino Release 8 (KGDO01)

This seminar describes the new features and administration options that are available with release 8 of the Domino product. Not only will you learn about the new enhancements, you will also learn how to implement them.

Upgrading to Domino Release 8 on System i (KGDO02)

Domino Release 8 provides a significant number of enhancements that benefit existing messaging and collaboration investments. This seminar will show you how to design a bulletproof upgrade plan to achieve a smoother, more reliable upgrade to Lotus Domino Release 8. Upgrading the core Domino product is covered along with the Lotus Domino extended products such as LEI, Quickr, and Sametime. You will learn about not so well documented step that are critical to ensure a pain-free upgrade. This seminar provides a checklist to properly plan for the upgrade as well as providing step-by-step best practices for a successful upgrade.

The IBM i 6.1 program conversion impact to Lotus Domino and the extended products is also covered. Eight steps to a successful conversion ensure there are no surprises when performing V6R1 program conversions to the Lotus Domino products.



Don Denoncourt

RAD Web Development with Open Source Tools (DDWD01)

Undecided about what technology to use for Web development? Discover the Grails open-source framework that provides rapid application development for Web applications. This presentation will show you to generate a maintenance application for legacy System i files in 5 minutes. You will see how Grails is built on top of the best-of-breed Java frameworks.

The seminar describes how to program Grails with the intuitive JVM language called *Groovy*. You will also see how to use Eclipse, WDS, or RDi SOA as your IDE. Finally, the seminar also describes how to deploy Grails to any Web application server (such as WebSphere or Tomcat) on your favorite platform.



Greg Hintermeister
IBM Corporation

IBM Systems Director - The Single Point of Control to Manage your Data Center (GHSD01)

Whether you are a new or an experienced systems administrator, you will want to learn about *IBM Systems Director*.

This seminar shows how IBM Systems Director 6.1, IBM's strategic platform management solution, takes a giant leap from where IBM Director 5.20 was, and shows how it helps you manage your data center regardless of your previous IBM Director experience. This seminar walks through the new web-based user interface, and shows how you can manage Power Systems, System x, BladeCenters, and System z. Learn how IBM Systems Director can monitor the health and status of your systems, run life-cycle tasks on those systems, or even run automations based on events that are triggered from problems. Learn how to manage physical and virtual environments across Power System and System x platforms easier, along with managing AIX, Windows, IBM i, and Linux operating systems right from IBM Systems Director. In addition, you will learn how to manage configuration, updates (firmware and operating system), remote access, and even the energy usage of your systems.



Charles Colson

Linux Shell Features (CCLI04)

This seminar provides the user with an extensive look at many of the features that make Linux's bash shell a powerful, productive command environment and programming language, including: Shell input/output management features and command pipelining; shell variables; command substitution; foreground and asynchronous "background" command execution; command grouping; and logical command lines. During this seminar, you will learn how to write simple shell programs, or *scripts*.

Linux Process and Session Control (CCLI05)

This seminar explains the practical aspects of Linux processes. You will see how Linux creates processes in order to run jobs or execute commands. Other topics include foreground and background processes, monitoring processes with the `ps` command, using signals to control processes, shell's job control commands, configuring terminal/session interface features, and changing a process's user and group IDs.

Customizing Your Linux Environment and Access Permissions (CCLI06)

This seminar introduces additional features of the Linux bash shell and describes how Linux systems implement file, directory, and device access control. You will see how to set and change access permissions on things you own and how to set a default preferred access permission set. It then shows you how to bring together what you learned in the previous seminars to custom-tailor your working environment.

Linux Commands for Text and Data Manipulation (CCLI07)

Perhaps the feature that most distinguishes Linux (and other UNIX) systems is the wealth of commands or *utilities*, each of which is really a special-purpose application for performing a particular kind of data processing task. This seminar teaches the use of Linux's most popular utilities for data processing, including *grep*, *sort*, *sed*, *awk*, *cut*, and *tr*, as well as additional capabilities of the *find* command for file system searching.

Introduction to Linux (CCLI00)

The *Introduction to Linux* series is designed to teach users who are new to Linux or UNIX the skills they need to get started in this environment. This series is suitable for users of all Linux environments, including RedHat, SuSE, Debian, Caldera, and others. The series includes the seven seminars described on this page. The price of this series is \$576, a savings of \$96 over buying the seminars individually.

Basic Linux Commands & Utilities (CCLI01)

This seminar provides an introduction to the basic concepts and features of the Linux operating environment, including connecting to and communicating with Linux systems and using the Linux shell command interpreter. You will learn the commands for accessing, displaying, searching, and printing files; redirecting command output; creating command pipelines; using the online documentation; creating and changing passwords; and terminating a login session.

The Linux File System (CCLI02)

This seminar introduces the user to the structure of the UNIX/Linux hierarchical file system and the kinds of entities that populate it. You will learn the rules for file naming, the standard file system organization, and the purpose of the `login`, `HOME`, and "current" directories. You will also see the commands for navigating the file system, displaying file system information, creating and removing directories, manipulating files, and finding files and directories.

Linux Editing (CCLI03)

This seminar is an introduction to the methods for creating and modifying ASCII text files in the Linux environment, emphasizing Linux's *vim* ("*vi improved*") editor. The seminar also looks at techniques for creating files that do not involve an editor.

THE MANTA ONLINE SEMINAR SERIES

Ordering

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Web site:

www.mantatech.com

E-mail:

sales@mantatech.com



Major credit cards (American Express, VISA, MasterCard, Discover) and corporate purchase orders are accepted.

Prices listed in this catalog are in U.S. currency.

Pricing

Unless specified otherwise, each seminar costs \$96 (USD) **per person**. Organizations that wish to train multiple students will need to purchase a “seat” for each one. Discounts are available for ten or more students in a given seminar. Please call for details.

Other discounts are available by ordering all of the seminars within a “seminar series,” such as the **Using RDi** or the **Introduction to Linux** series. See the series description for the discount price.

When a handout is available for a seminar, it costs an additional \$10. (For multiple students in the same seminar, the organization must decide whether to purchase a handout for all students or for none.) Each handout is delivered automatically to the student’s browser when he or she accesses the seminar.

System Requirements

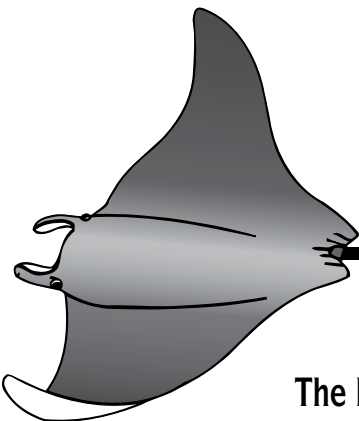
The Manta courseware is a browser-based application that will run on virtually any PC using Internet Explorer version 6.0 (or later). The courseware automatically checks your browser’s configuration to ensure that it is set up as required to run the training.

Take a Free Sample Seminar

A sample seminar is available at www.mantatech.com. Just select the “Take a Sample Seminar” link from the *Seminar Catalog* menu.

While you at the Manta web site, be sure to check out the current list of available seminars. Because we are adding seminars weekly, you may find new seminars that are not listed in this catalog.

You can also download a PDF version of the catalog with detailed seminar descriptions.



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