

Focus: Service Oriented Architecture

Spring 2006 conference focus topic.

Getting Started with SOA on iSeries	
21MA: Mon 8 - 9:15, 201 A/B, Minneapolis Conv Ctr	
56ML: Thu 3:30 - 4:45, M100 A/B, Minneapolis Conv Ctr	
ID:500023	
Level: All	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?
Course: Web Applications: Architecture and Development	
Speaker: Al Grega IBM Corporation	
	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?

LAB: Building Web Services Using LANSAs	
21LA: Mon 8 - 9:15, 200 A, Minneapolis Conv Ctr	
ID:500028	
Level: Beginner	Building Web Services is easy using LANSAs's development tools. In this lab you will use LANSAs to create and publish a web service, all without having to SOAP, XML, or WSDL.
Course: Focus: Service Oriented Architecture	By the end of this session, attendees will be able to: 1. Understand Development Architecture. 2. Build programs using LANSAs. 3. Publish LANSAs programs as Web Service.
Speaker: David Brault LANSAs	

Introduction to XML	
22MF: Mon 9:30 - 10:45, 205 C/D, Minneapolis Conv Ctr	
ID:406056	
Level: Beginner	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.
Course: Application Development	
Speaker: Susan Gantner Partner400	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.

Building Web Services for the iSeries	
22MA: Mon 9:30 - 10:45, 201 A/B, Minneapolis Conv Ctr	
ID:500007	
Level: All	What makes .NET different? Web services. What COM did for interprocess communications within a WinDoze box, web services does for interprocess communications from one computer to another, no matter what the operating system might be. Microsoft is making a huge and well publicized investment to make web services readily available to WinDoze programmers. What has IBM done for iSeries programmers? ... This session will provide insight into the brave new world of building and consuming web services on the iSeries. With all the new technologies such as Java, XML and SOAP, you will learn how the iSeries can be a player in the world of web services. Learn what a web service is and why you would want to use one. Learn how to interface with a web service from an RPG program.
Course: Focus: Service Oriented Architecture	
Speaker: Dan Kimmel RJS Software Systems, Inc.	

A Primer on SOA

23MD: Mon 11 - 12:15, 203 A/B, Minneapolis Conv Ctr

ID:500022

Level:
Beginner

Course:
Focus: Service
Oriented
Architecture

Speaker:
Laura J.
Knapp
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.

LAB: CGI Made Easy - Browser Development with ProGen WebSmart

25LA: Mon 2 - 4:45, 200 A, Minneapolis Conv Ctr

ID:408242

Level:
All

Course:
Web
Applications:
Development
Tools

Speaker:
Kevin Cronin
Business Computer
Design

In this lab, you will get a hands-on introduction to building ILE RPG CGI programs using ProGen WebSmart, a charter member of the IBM iSeries Developer Roadmap. You will be introduced to the advantages of web deployment using the Apache web server which ships as a standard component of OS/400. You will create a browser based CGI application which starts with a login program authenticating an iSeries user ID and password. Then you will use WebSmart's comprehensive set of templates to build SQL driven inquiries, maintenance programs, drill downs and more. Optional exercises will introduce Clover, BCD's powerful new report design wizard, to construct an SQL driven CGI web report complete with level breaks and totaling. This lab demonstrates just how easy CGI development can be using a professionally developed and managed iSeries web development tool.

Trends in Enterprise Modernization

25MI: Mon 2 - 3:15, 206 A/B, Minneapolis Conv Ctr

ID:470085

Level:
All

Course:
IT Strategy

Speaker:
Marcus Dee
looksoftware

This presentation covers important trends in enterprise modernization from sources such as IBM, Microsoft, Gartner, IDC and others. It addresses hot topics including:

- RPG in a SOA world
- Software as aService
- Multi-channel UIs
- IBM and Microsoft in the midrange - competitive or complementary?

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

1. Explain how existing RPG and COBOL assets can be reused in an SOA world.
2. Understand what is driving the adoption of multi-channel UIs and Software as a Service.
3. Understand the potential issues and benefits of IBM's and Microsoft's focus on midrange modernization.

Case Study: iSeries SOA Utilizing Dynamic Service Invocation

25MO: Mon 2 - 3:15, M100 F, Minneapolis Conv Ctr

ID:500117

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Dan Burcher
Tier1 Innovation

If you've been hearing the industry buzz, Services Oriented Architecture (SOA) may seem to be the latest fad in the world of information technology. In fact, SOA isn't new and when done properly, isn't a fad at all. SOA has been a good practice since the days of the System/38, where one would pass parameters to another program (local or remote) through a call-level interface.

SOA, when done properly, enables loosely-coupled communication between multiple systems that is measurable in its effectiveness. Tier1 Innovation will present a session to the iSeries community on how to design a true loosely-coupled enterprise that enhances the inherent power and scalability of the traditional RPG environment by creating composite applications that are dynamic, maintainable and interactive. Beyond the theoretical, this session will present methodologies and concepts that have been proven in real-world iSeries installations.

Building Java Server Faces Web Apps

26MP: Mon 3:30 - 4:45, M100 G/H, Minneapolis Conv Ctr

ID:470145

Level:
All

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 WDSC. 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.

Designing Your SOA Development Process with SCM: Reuse Your SOA Assets

26MA: Mon 3:30 - 4:45, 201 A/B, Minneapolis Conv Ctr

ID:500116

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Daniel Magid
Aldon

SOA has emerged as the must-have architecture for IT because it promises agility amidst rapid business change. And if you are considering SOA, you will quickly learn you need to provide an IT environment conducive to crafting quality. In this session, Aldon president and CEO Daniel Magid will demonstrate how companies are successfully implementing SOA using Software Configuration Management (SCM), equipped with an inventory management feature allowing for reuse of key SOA assets. Attendees will learn how SCM software allows you to track and monitor SOA services components and bring them into sharp focus using a metadata registry, which provides a comprehensive inventory of all service components. Gartner states 'SOA projects will fail or succeed based on application development decisions,' so don't miss this informative session!

Attendees will learn:

1. Requirements for managing SOA.
2. How to gain access to your SOA assets so they can be reused.
3. The benefits of inventory management for SOA in further detail with SCM: Speed of development, Reliability, ROI.

WebSphere Process Server - Business Process Automation for an SOA World

31MI: Tue 8 - 9:15, 206 A/B, Minneapolis Conv Ctr

ID:500118

Level:
Advanced

Course:
Focus: Service
Oriented
Architecture

Speaker:
Wolfgang
Kulhanek
IBM Corporation

In this session you will learn how the WebSphere Process Server V6 and WebSphere Integration Developer V6 enable business process automation and composite application development for an SOA environment. You will learn about the IBM Process Integration portfolio of products and how they interact with each other.

We will cover the basic architecture that WebSphere Process Server is built on and discuss the main capabilities of WebSphere Process Server. We will also discuss how the new WebSphere Integration Developer tool drastically simplifies development of component-based business process applications and how it integrates with WebSphere Business Modeler for business driven development.

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

- 1) Understand the benefits and capabilities of WebSphere Process Server and WebSphere Integration Developer.
- 2) Understand how these products fit in the overall WebSphere software portfolio and how they can benefit your organization.

Using Web Services to Integrate iSeries Apps with Microsoft .Net

32ML: Tue 9:30 - 10:45, M100 A/B, Minneapolis 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.

XML from RPG Using Free Tools

32MA: Tue 9:30 - 10:45, 201 A/B, Minneapolis Conv Ctr

ID:500125

Level:
Advanced

Course:
Focus: Service
Oriented
Architecture

Speaker:
Scott Klement
ScottKlement.com

XML is quickly becoming the standard format for e-business documents. This session discusses how open source software can be used to read and write XML documents in your RPG programs. Without the need for Java!

WebSphere Business Modeler

32MO: Tue 9:30 - 10:45, M100 F, Minneapolis Conv Ctr

ID:500166

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Jasmine
Basrai
IBM Corporation

WebSphere Business Modeler is a tool that allows you to build and simulate business processes without having to write any code. This helps organizations identify and eliminate process inefficiencies, such as bottlenecks and workload imbalances, for more effective resource utilization. In this session you learn how the WebSphere Business Modeler can be used to define business processes for analysis and integration purposes.

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

1. Understand why there is a need for business modeling.
2. Understand the different components of business modeling.
3. Understand how business models can generate development artifact for WebSphere Process Server and Rational Software Architect.

Introduction to Websphere MQ

33MP: Tue 11 - 12:15, M100 G/H, Minneapolis 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?

Web Services from RPG Using HTTPAPI

33MA: Tue 11 - 12:15, 201 A/B, Minneapolis Conv Ctr

ID:500124

Level:
Advanced

Course:
Focus: Service
Oriented
Architecture

Speaker:
Scott Klement
ScottKlement.com

This session discusses what a Web Service is and how the free HTTPAPI tool can be used to access them from your RPG programs. For example, you could use a Web Service to track shipments with UPS, check Zip Codes with the US Postal Service, validate credit cards with your bank, etc.

iBOLT and System i5: From Integration to Business Process Innovation

35MO: Tue 2 - 3:15, M100 F, Minneapolis Conv Ctr

ID:500084

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Glenn
Johnson
Magic Software
Enterprises

From basic point-to-point integration of data, to creating and/or consuming services, to defining and managing business processes, this presentation will demonstrate how iBOLT can serve the needs of both IT and Business Architects in the creation and maintenance of a responsive Service Oriented Architecture. We will demonstrate/describe iBOLT's transparent access to iSeries business logic, legacy programs, system APIs, User Space, Data Queues, system functions, system values, spooled files, IFS objects, and data layers via native iSeries drivers. Included is how to leverage the power of the iSeries using the iBOLT Integration Server running natively on the iSeries platform.

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

1. Describe how legacy iSeries logic/data can be accessed and encapsulated.
2. Describe how a business process is described and deployed in an iBOLT Flow.
3. Describe how processes can be exposed to the SOA environment using iBOLT.

iSeries Application Modernization and Migration

35MP: Tue 2 - 3:15, M100 G/H, Minneapolis Conv Ctr

ID:500136

Level:
All

Course:
Application
Development

Speaker:
Mark Rinker
Fastleap, Inc.

See how the X-Analysis Tool Suite can help your development staff become more productive than ever before. By reverse engineering your database into a complete Entity Relationship Diagram and interactive model, and by creating a complete interactive graphical model of your applications, and then linking these together is a single easy to use application we can have your programmers doing complex impact analysis and coding faster than ever. Tasks that use to take several days to investigate and document can now be done in minutes.

Also see the complete power of the X-Analysis tool suite and how it can assist you in the total migration of your existing RPG and COBOL applications to a Services Oriented Architecture using a Model-View-Controller deployment. Deploy in any of 5 different user interfaces while keeping a single instance of your business logic.

RPG to Web Services in a flash!

36MB: Tue 3:30 - 4:45, 202 A/B, Minneapolis Conv Ctr

ID:500002

Level:
Intermediate

Course:
Focus: Service
Oriented
Architecture

Speakers:
Marcus Dee
looksoftware
Trevor Perry
Clear Technologies

Service Oriented Architectures (SOA) using Web Services are promoted as the current recommended development architecture. This session provides a demonstration of how your existing RPG and COBOL applications can be reused as web services to deliver the benefits of SOA.

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

1. Understand web services and SOA concepts.
2. Understand how existing RPG and COBOL programs can become web services.
3. Know who to modernize existing iSeries applications to support web services.

Implementing Efficient iSeries Data Integration Within Your SOA

36MP: Tue 3:30 - 4:45, M100 G/H, Minneapolis Conv Ctr

ID:500092

Level:
All

Course:
Web
Applications:
Architecture and
Development

Speaker:
Sherri Canjar
Datamirror

SOA provides the framework for deploying, managing and instantiating business processes, creating composite applications and real-time dashboards. In order to reap the greatest reward from the SOA potential, organizations must integrate data from production iSeries applications. This session will focus on the key requirements and challenges to real-time integration of data from iSeries directly to Web Services and within your SOA.

Attendees will learn how to deliver production iSeries data directly to Web Services for data cleansing, composite application development and real-time dashboards. Attendees will also learn how to differentiate between data integration strategies.

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

1. Deliver production iSeries data directly to Web Services.
2. Differentiate between data integration strategies.

Using VB.Net and Apache Tomcat to Write Native iSeries Web Apps and Web Services

37MB: Tue 5 - 6:15, 202 A/B, Minneapolis Conv Ctr

ID:500132

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Richard
Schoen
RJS Software
Systems

VB.Net and Apache Tomcat seem like an unlikely pair for creating web applications or web services that run natively on the iSeries. This session will cover how to use Microsoft Visual Studio.Net, VB.Net and ASP.Net to create web applications that can be compiled and run natively on the iSeries using the Apache Tomcat Web Server. For iSeries developers who find Java to be too difficult to learn and implement, Microsoft Visual Studio is the usual alternative, however until recently there was no good way to use Visual Studio for development yet run the resulting applications on the iSeries. Attendees will walk away with concrete examples and easy to implement techniques for becoming effective web and SOA web service application developers for the iSeries.

Transactional Web Development Using LANSa

41MQ: Wed 8 - 9:15, M100 I/J, Minneapolis Conv Ctr

ID:500026

Level:
Beginner

Course:
Web
Applications:
Development
Tools

Speaker:
David Brault
LANSA

Is your development staff too small to take on Java? Do you find Java too complex or overkill for your internet needs? This session provides an overview of LANSa 2005's development architecture, which enables developers to build transactional, browser-based business applications that run natively on the iSeries. All of this is available without the developer needing to know Java, CGI, Session Management, JavaScript, or HTML.

By the end of this session, attendees will understand:

1. Building Transactional Web Application using LANSa.
2. LANSa's Development Architecture.
3. LANSa's Powerful Language called RDML.

WDSa: Service Oriented Architecture for RPG and COBOL Programmers

41MA: Wed 8 - 9:15, 201 A/B, Minneapolis Conv Ctr

ID:500105

Level:
Beginner

Course:
Application
Development

Speakers:
George Farr
IBM Corporation
Claus Weiss
IBM Corporation

Service Oriented Architecture is a new term for many programmers. What does this mean to an RPG or COBOL Programmer? This session will start by covering a little of the AD roadmap and where this component fits and then will cover some modernization that must be done in existing code to enable you to use this new and exciting architecture. We will conclude by showing part of the WDSa component that will make life easier to enable an RPG and COBOL application.

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

1. Understand more of the AD roadmap.
2. Understand how to modernize existing RPG applications.
3. Understand how to build SOA with existing modernized RPG and COBOL code.

SOA/EDA - The Future of Software Development

41MP: Wed 8 - 9:15, M100 G/H, Minneapolis Conv Ctr

ID:500175

Level:
All

Course:
Focus: Service
Oriented
Architecture

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.

SOA Development Using LANSА

42MQ: Wed 9:30 - 10:45, M100 I/J, Minneapolis Conv Ctr

ID:500025

Level:
Beginner

Course:
Focus: Service
Oriented
Architecture

Speaker:
David Brault
LANSА

SOA Development using LANSА 2005

Building SOA and n-Tier type applications does not require a master's degree in rocket science and a staff of 50 developers anymore. This session provides an overview of LANSА's development architecture, which enables developers to build web services and SOA applications that run natively on the iSeries, Windows, UNIX, and/or Linux. All LANSА applications transact natively with DB2 files, RPG programs, and other iSeries technologies. All of this is available without the developer having to know SOA, SOAP, XML, WSDL, MVC, or n-Tier.

By the end of this session, attendees will understand:

1. SOA, MVC, Web Services and why they are important.
2. LANSА's development architecture.
3. SOA development using LANSА.

WDHT: Integrating Terminal Applications into an SOA Using IBM WebSphere HATS

42MB: Wed 9:30 - 10:45, 202 A/B, Minneapolis Conv Ctr

ID:480012

Level:
All

Course:
Web
Applications:
Development
Tools

Speaker:
Will Smythe
IBM Corporation

Do you have terminal-based green screen applications that you would like to integrate with other heterogeneous applications? If so, you should consider using Web services technology as the framework for this integration. In this session, you will see a demonstration on how to use IBM WebSphere Host Access Transformation Services (HATS) to develop Web services interfaces for your terminal-based applications. HATS macros, session pooling, integration objects, and Web services generation will be discussed.

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

1. Use WebSphere Studio with HATS to develop Web services interfaces for terminal-based applications.
2. Create and configure HATS macros, session pooling, and integration objects.
3. Create Web services from HATS macros.

RPG Application Architecture for the Modern Age

43MA: Wed 11 - 12:15, 201 A/B, Minneapolis 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.

RPG Does XML: New Language

Features

43MP: Wed 11 - 12:15, M100 G/H, Minneapolis Conv Ctr

ID:500167

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speakers:
Jon Paris
Partner400
Susan
Gantner
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.

V5R4: Web Services: Introduction to Developing and Using

44MK: Wed 12:30 - 1:45, M101 A/B, Minneapolis 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.

LAB: RPG to SOA

44LB: Wed 12:30 - 1:45, 200 B, Minneapolis Conv Ctr

ID:500065

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Pete Isaksson
looksoftware

This hands-on lab guides attendees through the steps required to create a web service from a 5250 based RPG program using looksoftware's soarchitect.

After installing soarchitect, attendees will learn how existing programs (and new programs) can be used to create web services interface for iSeries applications. By service enabling existing applications, iSeries customers and software vendors can create a set of service interfaces to their existing applications enabling standardized access to business partners and other applications, improving reuse and flexibility.

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

1. Create a web service from an existing iSeries based RPG application.
2. Understand how a monolithic iSeries program can be accessed as a number of services
3. Understand how service enabling existing applications can provide the benefits of SOA

LAB: WDS: Building Service Oriented Applications Using RPG

45LC: Wed 2 - 4:45, 200 C, Minneapolis Conv Ctr

ID:500106

Level:
Beginner

Course:
Application
Development

Speakers:
George Farr
IBM Corporation
Claus Weiss
IBM Corporation
Dave Muir
IBM Corporation
George
Voutsinas
IBM Corporation

This is a lab that will show an RPG application that can participate in this new service oriented architecture. In the lab we will use different components in WDS to allow you to do that.

Building SOA Solutions with Open Source Tools

45MP: Wed 2 - 3:15, M100 G/H, Minneapolis Conv Ctr

ID:500133

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Peter Helgren
Value Added
Software, Inc.

In this session we will identify SOA components for an SOA solution, identify Open Source tools for each of the components and build a simple SOA Employee/ Human Resources solution using these open source components. Some familiarity with SOA concepts is required.

SOA Server solutions will be built around Websphere Application Server - Community Edition. As part of WASCE we will use: ActiveMQ for message serving, Tomcat for application serving, Cloudscape for DB serving and Axis for web services.

SOA client applications will be built using:

RPGLE - A simple employee hiring program.
Freemarkerv servlet - A simple applicant entry program.
VB.Net - A simple employee benefits program
AJAX - A simple status monitoring application.

All of these application will focus on code reuse and web services to promote interoperability.

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

1. Identify the open source tools currently available.
2. Identify SOA components needed for a solution.
3. Create an SOA solution using Open Source Tools.

WebSphere Business Integration Server Express

51MN: Thu 8 - 9:15, M100 E, Minneapolis Conv Ctr

ID:460025

Level:
Beginner

Course:
Web
Applications:
Administration

Speakers:
Boden
Russell
IBM Corporation
Kathryn
Lamont
IBM Corporation

The WebSphere Business Integration Server Express product is a new offering from IBM based on the InterChange Server architecture. It provides a business integration framework to easily automate your business processes and integrate your applications. This session will provide a product overview and describe how you can use it to solve your integration needs. The session will also cover the WebSphere Business Integration Connect Express product and how it can be used with the Server Express product.

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

1. Simply state what Business Integration is.
2. Understand the Server Express product and what it has to offer.
3. Understand the Connect Express product and what it has to offer.
4. See how you can easily automate your business processes with Server Express.
5. Use the products to solve your integration needs internally and externally.

Service Oriented Architecture

51MK: Thu 8 - 9:15, M101 A/B, Minneapolis Conv Ctr

ID:500103

Level:
All

Course:
Focus: Service
Oriented
Architecture

Speaker:
Kinan
Sweidan
Ximda

The session centers around a discussion regarding IBM's vision for e-Business On-Demand and its relation with SOA. The first segment covers the SOA model and its advantages. Next will be the topic of various SOA integration styles; point-to-point, server-centric, and ESB with the focus on building a state-of-the-art SOA model using the IBM ESB. The third topic covered will be the adoption of SOA outlined in key steps. The last topic point will be the discussion of a case study for exposing iSeries legacy applications using SOA.

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

1. Understand the why and how of SOA.
2. Discover how to integrate iSeries legacy applications using the SOA model.
3. Learn how to transform your business model to become On Demand.

SOA Management in Action

52MA: Thu 9:30 - 10:45, 201 A/B, Minneapolis Conv Ctr

ID:500020

Level:
Beginner

The ability to monitor and manage a production SOA environment is a reality using products from IBM Tivoli. Come hear what is available to gain control of this expanding area.

Course:
Focus: Service
Oriented
Architecture

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

1. Understand what components of SOA need to be managed.
2. Know which products are available today.
3. Explore best practices for SOA management.

Speaker:
Laura J.
Knapp
IBM Corporation

V5R4: OPEN LAB: Web Services

53LA: Thu 11 - 12:15, 200 A, Minneapolis Conv Ctr

54LA: Thu 12:30 - 1:45, 200 A, Minneapolis Conv Ctr

55LA: Thu 2 - 3:15, 200 A, Minneapolis Conv Ctr

56LA: Thu 3:30 - 4:45, 200 A, Minneapolis Conv Ctr

ID:440067

Level:
Intermediate

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

Course:
Web
Applications:
Development
Tools

1. Create a RPG Web Service: Turn an RPG module into a Web Service using a single wizard in WDSi.
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.

Speakers:
Dan Hiebert
IBM Corporation
Nadir Amra
IBM Corporation

OPEN LAB: WebSphere Business

Integration Server Express

53LA: Thu 11 - 12:15, 200 A, Minneapolis Conv Ctr

54LA: Thu 12:30 - 1:45, 200 A, Minneapolis Conv Ctr

55LA: Thu 2 - 3:15, 200 A, Minneapolis Conv Ctr

56LA: Thu 3:30 - 4:45, 200 A, Minneapolis Conv Ctr

ID:480192

Level:
Advanced

This lab module offers an exercise using the WebSphere Business Integration Server Express Plus product. In this module, you will get hands-on experience with the following:

Course:
Web
Applications:
Administration

1. Creating your own Interchange Server instance.
2. Using System Manager to create your own WBI project, importing part of a solution from a repository file.
3. Using Connector Configurator to customize a technology adapter.
4. Using Business Object Designer to display a business object that your lab exercise will use.
5. Using Map Designer to view the mapping of the application specific business object to a generic business object.
6. Using Process Designer to view a collaboration (business process).
7. Deploying your project and starting the solution.
8. Using Visual Test Connector to test the solution.

Speakers:
Boden
Russell
IBM Corporation
Kathryn
Lamont
IBM Corporation

Prerequisite:

1. WebSphere Business Integration Server Express - 490110

Using WebSphere Business Integration Server to Bind WebSphere Commerce and Lotus Domino

54MF: Thu 12:30 - 1:45, 205 C/D, Minneapolis Conv Ctr

ID:500035

Level:

All

Course:

Focus: Service Oriented Architecture

Speaker:

Heidi L. Saufferer
IBM Corporation

WebSphere Business Integration Server Express helps businesses quickly and easily integrate their applications. The iSeries Platform Evaluation Test team recently used WebSphere Business Integration Server Express to integrate a front-end WebSphere Commerce Web site with a back-end Lotus Domino Database.

By the end of this session, attendees will understand:

1. The basic architecture of WebSphere Business Integration Server Express.
2. How to use application adaptors.
3. Tips we discovered while setting up WebSphere Business Integration Server Express.

V5R4: Making SOA Easy for iSeries with EGL and WDS

55MH: Thu 2 - 3:15, 208 A, Minneapolis Conv Ctr

ID:460192

Level:

Advanced

Course:

Application Development

Speakers:

Sanjay Chandru
IBM Corporation
Bob Cancilla
IBM Corporation

Learn how every iSeries customer can leverage SOA today without the need to hire or train your staff in Java and J2EE. SOA is more than Web Services. With EGL you can both leverage and transform existing RPG or COBOL applications, leverage your DB2 for iSeries database and create new user interfaces. You may write code in one language then generate and deploy code that runs in the i5/OS, AIX, and LINUX partitions of your iSeries, or on the integrated xSeries servers running Windows. EGL supports all iSeries environments and can be learned quickly, and used by your existing staff.