



# **TSM Voice**

Volume 13, Issue IV

May, 2006

## **Deep Dive into V5R4**

### **Lunch Meeting**

Last meeting we heard about the new System i5, now we are going to get more detailed information on the V5R4 operating system. Find out what is new with SQL, RPG, CL and more.

Joining us for this meeting is Jim Cook of IBM Rochester. Jim is a Consulting IT Specialist at the IBM ITSO in Rochester, MN.

He has been with the ITSO since 1990, except for a short period of six months where he worked in the U.S. Competency Center. He has worked in development for System/38 and in technical marketing support on the System/38, AS/400, and iSeries. His previous focus areas have been communications support and performance. Jim is currently the team leader in the operating system area. Here, he focuses on technical presentations for new release announcements and IBM Redbooks about the graphical interface to OS/400 functions, general OS/400 performance and system management, and backup and recovery.

Join us for this interesting topic.

### **Lunch Meeting**

## **May Meeting Information**

- Date:** Thursday, May 4, 2006
- Time:** 11 am – 11:30 Networking  
11:30am – 1pm Lunch  
And Presentation
- Place:** Best Western Kenwood Inn  
8020 Montgomery Road  
Cincinnati, OH 45242  
513.793.4300
- Topic:** Deep Dive into V5R4
- Speaker:** Jim Cook  
IBM Rochester
- Cost:** (includes coffee, tea, milk)  
\$ 20.00 Members  
\$ 25.00 Non-members  
Checks or Cash ONLY

**Reservations required, before noon, Monday, May 1, 2006 by calling 513-357-6173 or send an email with your company name, phone number and each attendee's name to [tsmug@tsmug.org](mailto:tsmug@tsmug.org).**

No cancellation after above date and time.

See our web page for directions via MapQuest,  
[www.tsmug.org/meetings.html](http://www.tsmug.org/meetings.html)

## **Use SOA or be SOL**

### **By Matt Warman and Jeff Welsh**

One of the biggest buzzes around in our industry today is SOA. SOA is Service Oriented Architecture. SOA allows an enterprise to use its entire legacy, client-server and web applications and data as an asset. This is done by using Web Services as a common, generic data transportation layer. At the heart of SOA is Web Services. A Web Service is an XML based protocol to transfer data from point to point. Like regular xml files, the data is passed in a particular format called a schema. The schema is the blueprint of the data being passed. It tells the user what types of data is being used and how many times the data can occur. Unlike regular xml files, this schema is set exclusively by the publisher. The schema file used in passing the data is called a Web Service Definition Language, and uses the wsdl extension on the file. The wsdl file is passed using a URL.

The primary delivery method of Web Services is Standard Object Access Protocol or SOAP. SOAP is an internet based protocol that contains a header and an object. This object maps to the wsdl file used on the client end. A Web Services client uses the wsdl file to map the SOAP object passed to it for use in an application. You can also use HTTP and MIME.

Web Services makes enterprise data easy to use because the data and data type is already defined and is used as an object. The details of whether the data was an output from a RPG program, or from the latest relational database don't matter, and it allows the developer to focus on the business problem at hand.

The intended benefit is the separation of business logic and data, and that the data can now be displayed in many different ways.

There are many tools available to create and use Web Services in your applications. WebSphere Application Developer (WSAD) and Rational Application Developer 6.0 are excellent tools from IBM that allow you to create Web Service producers and clients. To create a producer, you must specify the data types and occurrences, and the wsdl file is created for you by the tool. To create a client, you must specify the wsdl file that is the producer and then use the tool's create command.

Now that you have the basics of SOA, let me tell you about SOL....Well since this is a professional publication, perhaps I will leave that up to your imagination.

### **COMMON Fall 2006 IT Education Conference and Expo**

#### **It's not too early to start planning**

September 17 -21, 2006  
Miami Beach Convention Center  
Miami Beach, Florida

Registration and other valuable information is soon available at:

[www.common.org](http://www.common.org)

## **President's Corner**

Jeffrey A. Welsh

Wow! If you missed our last meeting, you missed the largest turn out we have had in years. Almost 100 people turned out to see Dean Woodke from IBM tell us everything that is new on the i5.

The hardware just keeps getting faster and faster. There are the usual suspects such as New Controllers, New Tape Drives and New Expansion Options. Being a developer at heart, I was more excited about the OS enhancements of V5R4. Some of the highlights were:

- Speed enhancements on the 32 bit JVM.
- New DBA Tools.
- HATS no longer requires interactive.
- Tools to integrate Web Services into RPG
- Subroutines in CL
- There is a chargeable feature that will boost your batch and Websphere throughput.

There is much more too. There is so much more, that we are having IBM back for our next meeting to do a deep dive into V5R4.

Because of the success of our last meeting, our next meeting is going to be a lunch meeting also. I look forward to seeing you there.

### **System i5 Resource Center**

If you still have haven't had your fill of i5 information, visit the System i5 Resource Center. The html is below.

This is a great starting point to all sorts of other i5 information.

See the latest winners of the System i Innovation Awards. These are folks just like us.

Read about System i Customer Success Stories. These too are folks like us, and in fact one of them is one of us – check it out.

Learn about IBM's commitment to the iSeries.

Check out the iSeries Literature page. Here you view and/or email brochures, data sheets, briefs, papers and other resources. Plus there are links to other literature pages, Redbooks, announcements, etc. This is a wealth of information and easy to use.

There are also links to education, solutions, software and support.

Check it out!

[www-03.ibm.com/systems/i/resources/](http://www-03.ibm.com/systems/i/resources/)

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