THE AGENDA for our next Meeting of Members

Wednesday, September 18, 2002

LOCATION: *Toronto/Yorkdale Travelodge Hotel*

2737 Keele Street, (at Highway 401) Toronto, Ontario

Session 1 – 5:00 PM

SPEAKER: Dale Perkins, IBM Canada

Rediscover Your AS/400

Many of us still think we have an AS/400 or maybe a System/36 or a System/38. But it is now an iSeries and we need to understand and start to exploit the new possibilities that are now available. Since the AS/400 was announced and converted to an iSeries there has been a steady march of announcements. While each step on this path has had some major announcements, we don't normally take a step back to understand how far it has come and what the capabilities mean.

One major thrust has been in the area of communications based on the adoption of TCP. As the world of TCP has matured the iSeries has implemented a full set of TCP services. This includes all of the base TCP functionality, Telnet, FTP, LPD, LPR, DNS, and DHCP. On top of this are SSL and some of the more advanced functions like digital certificate management and LDAP (Light Directory Access Protocol). These enhancements have culminated in the new Enterprise Identity Mapping capability that will enable singe signon access to all enterprise systems.

Another area where there has been significant transformation is the OLTP (on line transaction processing) environment. This has evolved from green screen to a client server environment, to a network computing model, to the eBusiness environment of today. This has seen a number of new server based capabilities be added on top of the base TCP/IP capabilities of the iSeries. Right out of the box today you have access to an HTTP Server powered by APACHE. To complement this there are the Websphere Application Server, the Websphere Commerce Suite, the Domino Server, and number of other capabilities to access iSeries data and applications and format it for browser access.

With the growth of the iSeries from the original uniprocessor systems to the current 32-way i890 one of the key capabilities to manage the system and its new server workloads is LPAR or logical partitioning. This allows a single system to be setup as multiple systems. You can have several production environments isolated, running in their own logical systems. You can have other secondary partitions to cut backup time to zero and reduce planned down time to near zero for 7/24 operation. And you can have development and test environments that isolate those users from the production environment. And all of this can be done with one system.

The iSeries has also become a better and better place to integrate multiple environments. The initial thrust was to add UNIX like capabilities to the system.

Dale Perkins

This included the IFS or integrated file system. It has been expanded to include many of the UNIX APIs and QSHELL, a UNIX like shell. It now includes the ability to run well-behaved AIX applications using the PASE environment and LINUX can run in a partition. There is also a statement of direction to run AIX in a partition.

The windows environment has not been forgotten. From the initial base of PC Support we now have the iSeries Access, Navigator, Web Access, and Host Publisher. The iSeries will automatically appear in the windows network and function as a file and print server. Many of the new TCP functions and management functions must be managed from this new graphical interface. Similarly the FSIOP or File Server for Input and Output has evolved to the IXS, or integrated xSeries, and the IXA, or integrated xSeries adapter.

Finally to support all of this there have been significant changes to the application development environment. This started with the move to ILE (integrated Language Environment) and the support for the objected oriented world of C++ and JAVA. It has culminated with the integration of all the development tools for the iSeries into the Websphere Application Development Suite.

This includes the traditional host based development tools and compilers, the workstation based development tools, tools for JAVA development, and tools for web development. The latest addition to this is the web-facing tool, which allows old green screen applications to be accessed via the browser interface. These have all been packaged together and where possible integrated using an ECLIPSE based environment.

The result of all these changes is a new system, the iSeries. And now all you have to do is to start to take advantage of it. Come on out to the TUG Meeting of Members on September 18, where I will explore this topic in more detail... TUG

Dale Perkins is TUG's IBM Liaison. He can reached at 416-433-7699 or via email at dperkins@ca.ibm.com.

Intermission – 6:00 PM

TUG Meeting of Members (MoM)

• Mingle and network with professional colleagues. • Enter the draw for one of our fabulous door prizes. To be eligible to win you must be a paid up Member and be in attendance when the draw is held at the end of the meeting. • Enjoy our complimentary buffet dinner – Penne Rigate, served with two sauces: (1) Smoked chicken, mushrooms, and peppers in basil garlic cream (2) Chunky tomato sauce. Also, Caesar salad with crisp bacon, herb croutons and parmesan cheese; columbian coffee, selection of teas, rolls with butter. Anyone hungry? • To help us plan, please advise the TUG office of your intention to participate. You can call, fax, or use the TUG web-site to register, (stating: name, company, phone number, and number attending). www.tug.ca • Do we have your current e-mail address?

Session 2 – 7:00 PM

SPEAKER: Jim Fall, IBM Rochester

Apache Webserver on iSeries

In the evening session, Jim Fall from the Rochester programming lab will be presenting an overview of HTTP server (Powered by Apache) for iSeries. Jim will provide a brief history of Apache and HTTP servers on iSeries. He'll then explain what is required to run HTTP server on iSeries, the featues and capabilities of the Powered by Apache server, and lastly will be available to take questions from the audience. For preview of this exciting topic, see Jim's article on page 6 of this magazine. TUG

Jim Fall

Bio: **Jim Fall** is an Avisory Software Engineer working for the IBM eServer division in Rochester, MN. Jim works in the iSeries e-business Development area and is currently the team leader of the HTTP Server for iSeries development team. Most of the team's recent focus has been on delivering the HTTP server (powered by Apache) on the iSeries platform. Jim has 14 years of OS/400 development exprerience in the Rochester lab. He has held several development roles in the AS/400 data communications area. In the last few years, he has been working on HTTP server development. Jim is a frequent speaker at COMMON conferences and can often be found in the COMMON Expo area demonstrating the latest iSeries HTTP server products.

What topics would you like to see in future? Drop us a line with your suggestions at: leo@tug.ca