



**CMG Canada Seminar Agenda: April 14-15<sup>th</sup> 2009 (Toronto)**

**TIME:** 8:30a.m. – 5:00 p.m.

**LOCATION:** C'est What Restaurant 67 Front Street East, Toronto  
<http://www.cestwhat.com/map.asp>

**ATTIRE:** Business attire or Business casual (hard-soled shoes, slacks, collared shirt)

*If this program is not of interest to you, please pass it on to the appropriate group within your organization ... or have them visit*

**CMG Canada at**

<http://regions.cmg.org/regions/cacmg//index.html>

**Tuesday Apr 14<sup>th</sup>, 2009**

**8:30 AM** Continental Breakfast

**9:00 AM** Welcome

**9:05 AM** ESCON, FICON and Mainframe Performance  
*Steve Guendert – Brocade*

**F**ICON/FCP protocol intermix mode (PIM) in a common storage network has been supported by IBM since early 2003 yet has not seen widespread adoption among end users for a variety of reasons. Recent developments such as the new System z10, Node Port Identifier Virtualization (NPIV), virtual fabrics, and advances in storage networking management make PIM a more compelling technological strategy for the end user to enable better utilization of capacity and operational cost savings.

Dr. Steve Guendert is Mainframe Global Solutions Architect at Brocade where he focuses on ESCON, FICON, and mainframe I/O performance. He is a leading expert on FICON, a frequent contributor to *z/Journal* and has a Ph.D. in MIS with an emphasis on statistical analysis and performance measurement. He has served on the SHARE Board of Directors, as the Computer Measurement Group Storage Subject Chair, CMG Ohio Valley Regional Chair, and is currently the Editor of the CMG Journal.

**10:20 AM** Coffee



**10:35 AM    Multi-Core Computing and the Tiered Storage Model**  
*Anthony G. Mungal - EMC Corporation*

**M**ost enterprise class I/O subsystems today employ multiple types of storage technologies meant for deployment using a “tiered storage” model; this is in support of the trend of increasing capacity and performance driven largely by application and computing trends. Indeed, tiered storage as an effective I/O strategy is a necessary step in the ongoing effort to capitalize on technological developments while lowering overall cost to the user. However, there is a tendency for these deployment strategies for application and consolidated workloads to become convoluted, and even ineffective. This presentation discusses the multi-core and multi-processing computing trends which affect the application deployments, and its pronounced effect on the I/O subsystem. Topics such as data growth, access patterns, traffic characterization, and the working set are used to introduce the need for technologies such as larger drives, flash disks, multi-tiering, dynamic cache partitioning, virtual provisioning and the like. Further, it examines the technologies, their lifetime expectancies, their suitability to various workloads and applications, and where applicable, the next steps.

**Anthony G. Mungal** is a Consulting Corporate Systems Engineer with the EMC Corporation in Massachusetts. He lives, and is based, out of Boca Raton, Florida. He has been with EMC since July 1993 in various positions including: Consulting Systems Engineer, SE Consultant and Senior Product Manager. He is a 33+ year veteran of the IT industry and has held positions such as: Product Manager, Large Systems Account Specialist, Regional Systems Engineer, Regional Product Specialist, Systems Engineering Management, Product Management, Systems Programmer, Business Systems Analyst, and Senior Programmer. He is a graduate of the University of Toronto with honours in both Mathematics and Computer Science. He has participated on many IT discussion panels, authored and published numerous papers on Processor Performance, Memory Management, I/O Subsystems Configuration & Performance, Storage Management, IT Infrastructure and Architecture Design & Implementation, and other related topics which he has presented at forums such as Computer Measurement Group (National and Regional meetings), CMG International meetings (Australia, South Africa & the UK), SHARE, GUIDE and an assortment of other local IT related user groups. He is an active member of both the Association for Computing Machinery (ACM), and the Institute for Electronic and Electrical Engineers (IEEE).

**11:50 PM    Lunch (on your own)**

**1:00 PM    Automating Batch and Saving Money**  
*Martin Wills – MVS Solutions*

**E**very datacenter is being told to cut costs this year and at the same time is being pushed to become more service oriented. How can you achieve both these goals? ThruPut Manager Automation Edition (AE) is the answer. It provides full automation of your z/OS batch, according to service goals you set, and manages every stage of its processing in conjunction with JES2 and WLM, from submission through execution. The efficiencies achieved through its analysis of every job, management of the resources required and its service focus provide better service to your users, better use of your skilled staff and savings in both hardware and software.

**Martin Wills** has worked in the mainframe world for over 40 years, including spells as an operator, systems programmer, data centre manager, software developer, independent consultant and now product



specialist for ThruPut Manager. He joined MVS Solutions in 1991, thinking of it as a short-term job in a boring old area - batch. It's been anything but boring and he's still there! He takes the SE role with his customers, often presents at SHARE and other conferences, and teaches product-based courses.

**2:15 PM Short Break**

**2:20 PM Building a Dynamic Infrastructure –  
Trends and Directions for System z  
*Jim Elliott - IBM***

Today's interconnected and data consuming applications are changing the dynamics of IT. As content serving, real-time business intelligence, and high performance computing functions are more tightly coupled with mission critical applications, they become vital to the operational success of core business transactions. This session will summarize the key milestones in 2008 for System z and detail plans to deliver a comprehensive solution for today's increasingly multi-tier and multi-architecture application landscape.

(For Jim's biography, see below.)

**3:35 PM Coffee**

**3:45 PM Linux on System z - A Strategic View  
*Jim Elliott - IBM***

Datacenters today have a key architectural choice to make in designing large-scale implementations. Is the best approach to scale-out with rack-optimized servers or to scale up with large SMP servers using virtualization facilities to run many images on a single server? IBM System z is a 'green' solution which for many users will be the optimal choice. Since Linux on S/390 (now Linux on System z) became available early in 2000 customers around the world have increasingly exploited this technology in conjunction with PR/SM LPAR and z/VM. From environments with only a single IFL (Linux engine) to those with 100s of IFLs, the ways in which datacenters exploit Linux on System z vary widely. Jim will describe how Linux on System z, in combination with z/VM, will provide a robust and cost-effective Linux environment which integrates well with z/OS as well providing for consolidation of distributed platforms.

**Jim Elliott** is a Consulting Sales Specialist for System z at IBM Canada. Over a 35+ year career at IBM he has had roles in IT operations, systems programming and technical marketing support for IBM Canada and application development for IBM Americas/Far East. From 1992 through 2001 he was a product manager for mainframe operating systems for IBM Canada and then for IBM Americas. From mid-1998 to the end of 2001 he was responsible for launching Linux on IBM S/390 (now System z) mainframes for IBM Americas. At the start of 2002, Jim came back to Canada as an Advocate for Linux, Open Source, and Virtualization across all STG products and in that role led IBM Canada's activities in this area until May 2007. At that time Jim moved back to the mainframe team as a **Consulting Sales Specialist** covering Western Canada and as the product manager for the **System z operating systems** (z/OS, z/VM, z/VSE, and Linux on System z) for IBM Canada. In January 2009 Jim took on responsibility for all System z customers in Canada outside Ontario and for General Business customers in Ontario.



**5:00 PM      Adjourn**

***CMG Canada Members' Networking Session – all invited***



**Wednesday Apr 15<sup>th</sup>, 2009**

**8:30 AM Continental Breakfast**

**9:00 AM Welcome**

**9:05 AM Software Blades**  
***Kellman Meghu – Check Point Software Technologies Inc.***

**M**ulti-core architectures have brought a new level of power to the end users, but without the software being specifically tuned to take full advantage of it, there is no perceivable benefit to much of the new hardware coming from open systems. A Software Blade is a logical security building block that is independent, modular and centrally managed, mimicking the scalability of hardware. Software Blades can be quickly enabled and configured into a solution based on specific needs, and as needs evolve, additional blades can be quickly activated to extend security to an existing configuration within the same hardware foundation. This is not a discussion of feeds and speeds, performance has already seen the benefit from multi-core. This new software architecture will have far reaching advantages over traditional approaches to security design, to which this presenter hopes you will see the power and the benefits of the software blade concept in all types of solutions, not just security.

**Kellman Meghu** is the Security Engineering Manager in Canada for Check Point Software Technologies Inc., the worldwide leader in securing the Internet. His background includes over 10 years of experience studying attacks, application protection and network-based security. Since 1996 Mr. Meghu has been involved with consultation on various network security strategies to protect ISP's in Southern Ontario as well as security audits and security infrastructure deployments for various Commercial and Governmental entities across Canada and the Eastern United States. Other past responsibilities have included day-to-day operational work in complex security networks, policy planning, management and documentation. Prior to joining Check Point, Mr. Meghu has held various network and security engineering roles with European telecommunications giant Alcatel, a leading global information technology services company, Electronic Data Systems (EDS) and as a private consultant. Mr. Meghu has been sought after as a content expert presenter on a variety of security issues, including; "How to Deploy a Secure VoIP Infrastructure", "A Parents Guide to Internet Safety", and the always popular "How to Survive a Security Audit". He has delivered presentations at private corporate focused events, at school internet safety events for training students and teachers, public events including SMB World, Canadian Computer Measurements Group Canada, Hurricane Labs Conference (US), Hackerfest (US), Government and Health Technologies Conference, Network and Systems Professionals Association, Linux World/Network World Conference, The Check Point Experience, InfoSecurity Toronto as well as guest interviews and commentary for security focused panels and on television and radio shows.

**10:20 AM Coffee**

**10:35 Using TeamQuest Model in an Oracle 10G RAC Environment**  
***John Slobodnik – CGI***



This presentation will share with you our experience in using a modeling/capacity planning tool to correctly identify the need for an upgrade in an Oracle 10G RAC clustered environment. For this mission-critical application it was crucial that the business knew whether they would have sufficient capacity to make it through their peak sales season. In this predictive analysis exercise the modeling tool provided the answers to the business's questions and showed the effect that a potential hardware upgrade would have.

**John Slobodnik** is a cross-platform Performance and Capacity Planner. He has 26 years of IT experience, has worked as a Performance and Capacity Planning consultant and is ITIL-certified. His past experience includes work as a COBOL developer, mainframe System Programmer, in Storage Management and as a CICS/DB2 System Programmer. He is responsible for implementing and/or improving performance

**11:45 PM Lunch (on your own)**

**1:00 PM Business Transaction Management –  
The Next Generation of IT Performance Management**  
*Alon Ben-Shoshan - Correlsense Ltd*

Remember the good old days where all you had to deal with was the Mainframe? You had 100% visibility into everything that was going on; who was accessing what, what performance they were experiencing and when problems arose, you could pinpoint its root cause rather rapidly. With distributed systems today, things have really gotten out of hand; complex multi-tiered applications have become too tough to manage with traditional tools. Business Transaction Management seeks to provide "good old Mainframe visibility and reliability" to distributed systems. The concept is simple: track every single transaction from the moment it is initiated by the end user, through the proxy, web server, load balancer, application server, message broker, all the way to the database and mainframe. When this is done 24x7, any service degradation or outage will be identified and along with it - its root cause. (Think about it - in this way every single IT process that is running in your datacenter is linked to the business service that it supports. The presentation will cover a short history, an overview, the different implementation approaches and the future of this initiative. To learn more visit:

[businesstransactionmanagement.blogspot.com](http://businesstransactionmanagement.blogspot.com) Or the MeasureIT article:  
[http://www.cmg.org/measureit/issues/mit57/m\\_57\\_8.html](http://www.cmg.org/measureit/issues/mit57/m_57_8.html)

**Alon Ben-Shoshan** is the Marketing Manager at Correlsense Ltd. working out of NYC, he previously filled a number of roles at Applied Materials and received his BEng from Tel-Aviv University.

**2:15 PM Coffee**

**2:30 PM Performance Testing vs. Performance Monitoring**  
*Jan Warren – Enbridge*

Performance monitoring is a practice that allows us to see how our applications, as well as the hardware (servers, network, switches, etc.) and software behind the scenes are behaving in real time. This is a bit different from performance testing which not only tests the performance of applications before they go into production, it tests whether the software that is written even works or not. These two worlds will be discussed in this presentation which will compare and contrast what



happens in each.

**Jan Warren** has worked in various capacities in the IT industry for nearly 30 years, 25 years of which have been with Enbridge Gas Distribution. About four years ago, Jan joined the Capacity and Performance team and took on the role of monitoring the end user experience. Jan writes and implements TestPartner scripts that simulate that experience and report the transaction elapsed time back to ClientVantage. She also configures the ClientVantage Agentless software to watch some of the Enbridge applications.

**3:30 PM      Don's Diatribe IX**  
*Don Melton – Vatic Technologies*

**A**s part of my job as a consultant I try to know a little bit about many things and a lot about a few things. This presentation represents an accumulation of the former. It will identify some of what I believe are the most significant recent technology changes in the IT industry and elicit audience comments and discussion on them. Past presentations have included discussions around such diverse topics as: Privacy Legislation, CPU Architectures, Internet Futures, and many others. This session will be highly interactive, so bring your own ideas, comments, and gripes.

**Don Melton** received his Bachelor's degree in Engineering (Engineering Science option) from the University of Toronto in 1979. He is an active member and speaker at several local user groups (CMG Canada, NaSPA Ontario, COUG), a past presenter at SHARE, and a member of both the ACM and IEEE. His career in the IT industry has spanned many fields including the IT service provider, education, transportation, financial, and small business sectors. He has also filled many diverse roles; working at various times as a systems programmer, capacity planner, performance analyst, IT manager, and enterprise architect. Since 1997 Don has been providing IT consulting services (through Vatic Technologies) to guide businesses in developing an IT vision and in their selection and use of IT solutions to deliver to that vision.

**4:45 PM      Adjourn**

*Dates to Remember*

CMG International <a href="http://www.cmg.org">www.cmg.org</a>	Dec 6-11, 2009, Dallas, TX
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