



CMG Canada Conference - April 13th-14th 2010 TORONTO

FINAL AGENDA

LOCATION: C'est What Brew/Vin Pub Restaurant, 67 Front Street East, Toronto.

(Map available at <http://www.cestwhat.com/map.asp>)

TIME: 8:30a.m. - 5:00 p.m.

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>

DAY 1: Tuesday April 13th 2010 – “Mainframe Day”

Day 1 (April 13th) - Sponsored by Senmesoft

8:30 AM Continental Breakfast

9:00 AM Welcome

9:05 AM How Many JES2 or WLM Initiators Are Right?
Martin Wills – MVS Solutions

A time-honored solution to being behind in z/OS batch has been to add more initiators. Even WLM tends to add more than perhaps it should. So what should the criteria be? How many initiators is reasonable? This session discusses the value and cost of zero-length queues, over-initiation and the 100+% busy system.

Martin Wills has spent 40 years in the mainframe environment as a systems programmer, software developer, datacentre manager, and in technical support. Currently he is a Senior Product Specialist at MVS Solutions responsible for project management of all new implementations, customer liaison, presentations and teaching.



10:20 AM Coffee

10:30 AM R – What every Capacity Planner and Performance Analysts Needs to Know

David Banham – CIBC

R is an Open Source tool that provides very powerful statistical, data analysis, and charting capability. This presentation will describe some of its capabilities to conduct fast analysis and charting activities that are difficult to do with Excel, or some other PC based tools. The presentation will also provide web site references to assist with starting to use 'R'; how to use 'R' interactively, and also describe how to install the 'R' environment, create PDF output and generally have fun with charting on a PC at stunning speed. Some CMG International Papers will be referenced. If there are requests prior to the meeting, a FREE 'R' CD of software, papers and example output could be provided to interested attendees.

David Banham is a Senior Director at CIBC and a retired Capacity Planner who likes to dabble with technology. Dave is driven by the primary view that "Management Begins With Measurement", and if you want Management to pay attention, you have got to present your results in interesting and shocking ways (pictures and charts often work). 'R' was introduced to him at CMG in 2007 when he attended presentations of Open Source solutions for capacity and performance analysts, and other presentations and papers in 2008. Subsequent dabbling has provided some very satisfying and interesting analysis.

11:45 PM Lunch (on your own)

1:10 PM System z Family Product Update

Jim Elliot – IBM Canada, Ltd.

IBM continues to provide enhancements to the System z family. In this presentation Jim will provide an update on IBM announcements since the CMG Canada meeting in April 2009 including z/OS 1.11/1.12, z/VM 6.1, z/OS Management Facility and to System z hardware. In addition Jim will provide a timely overview of announcements made on April 13, 2010!

Jim Elliott has been with IBM over 36 years. From early roles in operations and systems programming, he moved to the Toronto Lab then on to IBM Americas/Far East HQ as a systems analyst. From 1984 to 1998 he provided national support for large VM environments and later product management for the mainframe operating systems. From 1998 to 2002 he extended his product management role to cover the Americas and led the introduction of Linux on the



mainframe. From 2002 to the present he has covered mainframe New Workloads for IBM Canada as well as responsibility for System z in all General Business customers across Canada since May 2007. In 2010 his new role is as the team leader for the IBM Systems Software unit in IBM covering all the System z and Power Systems operating systems and related products.

2:15 PM Saving Money (and your mainframe)
Danilo Gipponi - EPV Technologies

Are mainframe environments more expensive than other platforms ? It doesn't really matter what you do believe. What is really important is to find a way to reduce IT costs; otherwise there are many risks you could incur, and eventually your datacenter could even be outsourced! Based on a real life experience this presentation describes the results of an analysis focused on reducing the costs of a mainframe infrastructure. The number of different ways to reduce IT costs we discovered will amaze you. Come and share our experience.

3:15 PM Coffee

3:30 PM Capacity Planning Issues in 2010
Danilo Gipponi - EPV Technologies

Current mainframe technologies makes Capacity Planning activities much more complex than in the past. This is mainly due to the introduction of new hardware technologies such as specialty processors, IRD and HiperDispatch. This presentation will focus on:

- zAAP and zIIP contribution to MP effect,
- Service units instability,
- z10 capacity variability.

The expected impacts on Capacity Planning activities due to the new zAAP on zIIP technology and to the eventual adoption of the zPRIME product will also be discussed.

Danilo Gipponi has been involved in Service levels and Cost Accounting projects since 1986. After 9 years with SAS Institute and 5 years with BMC, in 2003 he founded EPV Technologies. He is involved in projects aimed at the performance optimisation of z/OS environments. He also performs periodical Capacity Planning activities at many customers sites in Italy. Danilo Gipponi has been involved in CMG-Italia activities since 1993. He has been president from 2001 to 2004 and is now responsible for International relationship.

4:30 PM EPV – (This marketing session by today's sponsor – Senmesoft)
Gilles Senecal - SenmeSoft



Managing mainframe performances is a complex task. It is very difficult to have a clear picture of what is happening on your systems. For years, Performance and Capacity planning analysts had to rely on raw SMF data. Analysing and consolidating this huge quantity of information is a complex task. To overcome this issue, SenmeSoft developed strategic partnerships with EPV Technologies to distribute Enterprise Performance Vision (EPV).

EPV is a powerful Performance and Capacity planning solution. EPV does not require any programming and greatly simplifies performance and capacity planning activities. This marketing session provides a brief overview, highlighting the simplicity and the power of EPV.

Gilles Senecal is the Technical Manager of SenmeSoft since 2005. SenmeSoft is an independent software distributor for large Canadian companies. Mr. Senecal has an extensive background in mainframe application development and integration with distributed systems. He has been working for many years as a System Engineer specialising in pre-sale, post-sale and technical support activities.

5:00 PM Adjourn & Members Reception

End Day 1 (April 13th) - Sponsored by Senmesoft - Thank you

DAY 2: Wednesday April 14th 2010 – “Open Systems Day”

8:30 AM Continental Breakfast

9:00 AM Welcome

**9:05 AM Changing perspective on database performance and capacity
planning**

**with Oracle Exadata technology
*Oleksiy Razborshchuk – Oracle***

Oracle Exadata technology combines Oracle's smart storage software and Oracle's industry-standard Sun hardware to deliver the industry's highest database performance. To overcome the limitations of conventional systems, Oracle Exadata uses massively parallel architecture to dramatically increase data bandwidth between the database server and storage. In addition, smart storage software offloads data-intensive query processing from Oracle Database 11g servers and does the query processing closer to the data. In this presentation we'll discuss details of Exadata technical architecture, uncover why it's the fastest OLTP and DW machine available today, and how Exadata changes database performance and capacity planning approach compare to conventional systems.



Oleksiy Razborshchuk has been part of the Oracle Corporation team for the past 12 years. He is currently a Principal Solution Architect with Oracle Corporation Canada. Oleksiy has participated in numerous proof-of-concept projects with Oracle customers, DBMS benchmarking and performance tuning engagements. He has presented at IT events such as the Toronto Oracle User Group, IBM, HP, Sun and Veritas user conferences, and various SIGs. He has also developed and led Oracle Database Grid hands-on training classes. Oleksiy is an Oracle Certified Professional-DBA and an Oracle Certified Instructor.

10:05 AM **Coffee**

10:20 AM **Changing in a Flash - The Impact of Flash and Solid State Disks on Capacity and Performance Planning**
Ron Marshall - Oracle

The basic building blocks of storage technology have remained relatively unchanged since their inception. Respectively, the tools and methods used to measure performance and capacity are mature and well-know. The impact of Flash technology on storage and computing is significant and rapid. Tried-and-true assumptions are now being challenged as I/O bottlenecks and latency are removed, effectively giving compute resources immediate access to large amounts of data. This session will review some of the performance metrics observed in real world and test scenarios from both Flash and Solid State Disk environments.

Ron Marshall is a Principal Sales Consultant for Oracle Canada, previously a Systems Architect for Sun Microsystems for 13 years. Prior to joining Sun, Ron was at Sidus Systems for three years as a Unix Product Manager and then Acting Director of IT. Prior to Ron's work at Sidus, he was at MAI Canada for 17 years as Technology Specialist. Ron's IT experience over 30+ years has offered many opportunities to oversee customers projects for performance testing, benchmarking, and sizing, often proving out new technologies.

11:20 AM **Forecasting Data Center Power Requirements: Tips from the Trenches**
Frank Berezney - IBM / Kaiser Permanente

Measuring and forecasting Data Center electrical power usage can be an elusive goal. This paper shares tips and lessons learned in trying to measure and forecast UPS usage profiles as equipment is removed and added. Overall UPS usage profiles are examined to dispel some common myths about equipment power usage. Power usage profiles for common equipment types are examined, especially configurable assets. Power usage



metrics are provided for some common equipment types. Measuring techniques are explored, and some suggested reporting formats are provided

Frank Berezney is a long time member of the Computer Measurement Group and an active volunteer at the national and regional level. He, and his wife Shana, have supported the Southern California region for more than 20 years. Frank is currently serving as the Vice President for CMG. Frank has been with IBM for one year. He joined IBM as part of an outsourcing agreement his previous employer, Kaiser Permanente, entered into with IBM. Kaiser Permanente is large vertically integrated provider of health care services. Frank supports the Kaiser's National Information Technology Business Unit and is currently working on short and long term power planning for Kaisers five Data Centers. Previously, Frank was at the Automobile Club of Southern California for 13 years and held a variety of Data Center management positions.

12:20 PM Lunch (on your own)

1:30 PM Capacity Planning - Why do it?
John Slobodnik - Toronto Hydro

This presentation will share with you some reasons to consider the vital need to do Capacity Planning and a discussion on some of the different methods available to do it.

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

2:30 PM Network Latency and Application Performance
Wilfried von Haren - Predictive Networks

Most vendors in the "application monitoring" space focus primarily on TCP transactions and HTTP by measuring response time of that traffic in 5-minute increment summary by user or region. While this is adequate in some application and business environments it



falls short on addressing a couple of points. The corporate infrastructure and your web portals are used by a mix of business and recreational traffic, all competing for the available bandwidth. The application landscape needs to be identified in order to take appropriate actions. (2) It doesn't address the root-cause of poor performance within an application transaction.

Optimization techniques for wide-area networks (WANs) can improve most application response time issues. It eliminates network latency having an impact on the performance of applications. Describing several techniques are addressed in the first part of this presentation. This optimization cleans up the good, the bad and the ugly usage of these data "highways". Within each application, the transaction analysis and the end-user experience is the next frontier to conquer. Key here is to identify the important transactions within an application, the critical measurements, measuring each and every transaction and the anomalies that cause the business and the end-user the pain. An approach to determine this will be presented using an example from the financial trading world, the NYSE.

Wilfried van Haeren, is president of Predictive Networks and has been working in the IT sector since 1982 as an entrepreneur. Prior to incorporation Predictive Networks, he was principal consultant, co-founder, Managing Partner and CEO of several IT consulting, software development and IT services companies in the Netherlands and United Kingdom. He was responsible for managing the European professional Application Performance Consulting group of a US based and NASDAQ listed company, managed R&D teams, enterprise sales, international business development and strategic partnerships. Wilfried lives and works in Canada since August 2008 and is the author of a book, written in Dutch on network technologies; in the past he worked as visiting lecturer for MBA courses at the Universities of Delft (MBT) and Tilburg (MIM) in the Netherlands and is a speaker at national and international conferences (Computable, VNU the Netherlands, CMG Canada and UKCMG).

3:30 PM Coffee

3:45 PM Don's Diatribe XI
Don Melton – Vatic Technologies

As 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 & Members Reception

End Day 2



Important CMG News and Dates

CMG Canada News

CMG Canada starts its new year (2010-2011) in September 2010. Our tentative **seminar/conference dates** are as follows:

- Tuesday October 19th 2010
- Tuesday February 22nd 2011
- Tuesday April 12th 2011
- Wednesday April 13th 2011

As usual, the website (<http://regions.cmg.org/regions/cacmg/index.html>) can be checked for changes, past agendas & presentations, and other CMG related matters. Also, the **CMG Canada board** welcomes your questions and comments and can be contacted as follows:

- Anthony Mungal – President [mungal_tony@emc.com]
- Gabe Gewurtz – Treasurer [ggewurtz@look.ca]
- Don Melton – Membership Chairman [meltond@acm.org]
- Carl Kyonka – Program Chairman [carl.kyonka@enbridge.com]
- Kevin Martin – Web Master [carol_and_kevin@mchsi.com]

CMG Canada membership is among the most affordable in the IT industry at CDN\$100 per individual for the entire year. More details and the membership form can be obtained from the membership link on the website.

Are you getting MeasureIT ?

If you haven't subscribed to **MeasureIT**, then you are definitely missing out on some great articles on some very timely and provoking topics. MeasureIT is the Computer Measurement Group's (CMG) free monthly newsletter, published the third week of each month (no issues in August or December). It is written by and for computer professionals. Check it out at <http://www.cmg.org/measureit/>

... and plan to submit a paper and attend CMG'10 in Orlando

CMG International
Conference
www.cmg.org

December 5-10th 2010
Gaylord Palms Hotel & Convention Center
Orlando, Florida

Paper Abstract Due - May 14, 2010
Paper Due - June 11, 2010