



Agenda CMG Canada Seminar: Feb 23rd 2010 (Toronto)

TIME: 8:30a.m. - 4:00 p.m.

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

Sponsored by **Intellimagic**

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

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

Tuesday Feb 23rd, 2010

8:30 AM Continental Breakfast

9:00 AM Welcome

9:05 AM Performance Comparison: Migrating from IBM System z9 to z10
Jonathan Gladstone – BMO

Like many enterprises, at BMO Financial Group we have migrated our IBM Mainframe processing onto System z10. As we migrated workload onto the newer machines we ran tests to compare our actual performance with ratings from IBM (ITRR) and Gartner. We also did this when we migrated from z900 to z990 and from z990 to System z9. This presentation will explore our actual performance measurements and their implications, discuss issues of how to rate footprints, and delve into whether and how to use such ratings for performance management & capacity planning purposes.

Jonathan Gladstone has over twenty years of experience in IT, mostly with the financial industry. He has focussed on mainframe systems but also worked with distributed systems and networks, in roles including capacity planning, change implementation and problem analysis & management. He is currently the lead capacity planner for mainframe and mid-range systems at the Bank of Montreal's Technology & Operations Division. Jonathan has also worked at IBM Canada Ltd. and TIL Systems Ltd. He holds a Bachelor of Applied Science degree in Computer & Electrical Engineering from the University of Toronto and is a member of Professional Engineers Ontario and of CMG International. Jonathan has presented at CMG Canada, CMG Mid-west and (informally) at CMG International.



10:20 AM Coffee

**10:30 AM Load Testing Is Easy. Good Load Testing Is Not.
Preparation is the Difference.
*Chris Lynn – Safeway***

This session discusses recommendations and considerations to plan and prepare for valuable performance and load testing. It includes a guide to identifying and developing the:

1. Testing Purposes
2. Roles and Responsibilities
3. Business Performance Requirements
4. Scope of Testing
5. Testing Environment Requirements
6. Usage Patterns and Transaction Mix
7. Proposed Test Scenarios
8. Load Generation Requirements
9. Proposed Monitoring, Tracking, and Reporting

Once this planning is done the scripting and execution is “easy”. Scripting not included.

Chris Lynn has worked in Information Technology for 15 years in the software development, banking, retail, and education industries. Chris has a Masters of Science in Civil Engineering. Chris started as a mainframe operator and moved into distributed server administration, Enterprise Systems Management, Network Operations, and through a few more roles into Capacity Planning.

11:45 PM Lunch (on your own)

**1:10 PM A New Perspective on Enterprise Storage Tiers
*John Baker - Intellimagic***

This presentation will discuss the concepts of tiers particularly as it relates to I/O performance. Improvements in zSeries architecture has removed many of the historical bottlenecks from the I/O subsystem. As most of us in the real world know however, removing one bottleneck usually just creates another. This is certainly the case today as an ever increasing burden is being placed on Disk Subsystems. This means we need to adapt our perspective from the standard RMF/LPAR view to that of the Disk Subsystem. Logical and physical Disk tiers will be discussed including benefits and limits. Finally a case study will be presented where IntelliMagic analyzed the data from a large US bank to determine suitable candidates for solid state drives. Want to know what we found? The results surprised even us!

John Baker spent 15 years in IT industry at a large international bank, 10 years specializing in mainframe performance, with a focus on Data Mirroring techniques and I/O performance. Designed, implemented and maintained many critical projects such as WLM Goal Mode and GDPS/Data Mirroring. Extensive experience with many performance analysis tools and techniques at the hardware, OS, and application levels. John has hosted many sessions at CMG, SHARE, etc. as well as several regional user groups. In 2007 John joined IntelliMagic. As the Support Director for IntelliMagic, North America, John is responsible for education and technical support for all of IntelliMagic's prospective and existing clients.



2:25 PM Coffee

**2:40 PM Fibre Channel storage and SAN infrastructure optimization
using instrumentation in real-time
*Eric Robitaille – Virtual Instruments***

This presentation describes a technology that directly measures the I/O performance effect of capacity additions, configuration changes, component/device changes, or application changes. With this new information, performance problems can be immediately identified and resolved, while greatly improving utilization rates, increasing overall application response times and end-user satisfaction. Important analyses include:

- Latencies
- Read & write data access times
- Latency time-of-day trends
- Latency-to-load relationships
- Performance time-of-day trends
- Performance-to-load comparison
- I/O read & write request sizes
- Fibre-Channel Link Groups to identify Fibre-Channel linkage problems
- SCSI Link Pending Exchanges to proactively detect SCSI I/O slowdowns
- End device conversation by ITL (Initiator, Target, and LUN) to proactively detect failing SCSI devices

Eric Robitaille has 20+ years industry experience with mainframe and open systems storage, security and networking. Past roles include 10 years with IBM in mainframe storage and security administration, technical sales support for IBM AIX. Subsequent roles as Storage Networking Systems Engineer with McDATA and Brocade. Currently Senior Solutions Consultant with Virtual Instruments, promoting increased visibility into I/O performance in virtualized server and storage environments for infrastructure optimization.

3:55 PM Adjourn

Dates to Remember

CMG Canada http://regions.cmg.org/regions/cacmg//index.html	April 13/14, 2010
CMG International www.cmg.org	Dec 5-10, 2010, Orlando