## STLCMG Quarterly Meeting Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Track 1</th>
<th>Track 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 - 9:00</td>
<td>Registration, Full Breakfast, and Networking</td>
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<tr>
<td>9:00 - 9:15</td>
<td>Welcome and Introductions</td>
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<tr>
<td>9:15 – 10:15</td>
<td>Understanding VMware Capacity</td>
<td>Capacity Management for System z and License Charge Reporting</td>
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<tr>
<td>10:30 - 11:45</td>
<td>Capacity Management Maturity – Assessing, Improving, and Comparing St. Louis Area Organizations</td>
<td>Charles Johnson</td>
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<tr>
<td>12:00 - 12:30</td>
<td>A Word from our Sponsor</td>
<td>Metron-Athene</td>
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<tr>
<td>12:30 – 1:15</td>
<td>Lunch</td>
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<td>1:15 – 2:15</td>
<td>Capacity Analysis Techniques Applied to VMware VMs (aka When is a Server not really a Server?)</td>
<td>Debbie Sheetz, MBI Solutions</td>
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<tr>
<td>2:30 – 3:30</td>
<td>Essential Reporting</td>
<td>Dale Feiste</td>
</tr>
<tr>
<td>2:45</td>
<td>Closing Remarks</td>
<td>PARS at Ruby Tuesday’s 10797 Watson Road, Sunset Hills Free Food - Free Drinks!</td>
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</tbody>
</table>

**Meeting Sponsored By:**

**METRON-ATHENE**

### Performance Analysis Relaxation Sessions (PARS)

STLCMG will host PARS immediately after the meeting at Ruby Tuesday’s, only 2.75 miles away. Take a breather, network with other attendees, or just relax after a long day. Enjoy complimentary hors d’oeuvres and drinks. You will receive two complimentary drink tickets good for the beverage of your choice.

Ruby Tuesday’s - Turn left out of Unigroup Take I-44 East. Stay in right lane and take Watson Road exit.  
http://www.cmg.org/regions/saint-louis-computer-measurement-group/index/
Debbie Sheetz

Abstract

Capacity/performance analysis techniques have existed for over three decades. How are these extended to analyzing virtualization platforms such as VMware’s ESX Server? This paper demonstrates a holistic approach which analyzes relevant groups of metrics from every layer of the virtualization, i.e. ESX cluster, host, VM, the VM’s operating system (Linux or Windows), and the application, instead of the more traditional approach of viewing individual metrics in isolation. This approach was outlined in “Modeling/Sizing Techniques for Different Virtualization Strategies”.

Bio

Debbie Sheetz joined the Capacity Practice of MBI Solutions, LLC as a Principal Consultant in August 2015. She provides in and out-of-the-box solutions for capacity and performance questions as a Professional Service, specializing in Distributed Systems platforms and BMC Software’s Capacity software product.

Originally hired to work on the first version of BEST/1 at BGS Systems, she had 38 years of experience developing and supporting capacity and performance analysis software with BMC Software/BGS Systems. She provided applied solutions for performance analysis and capacity planning challenges for customers, partners, and BMC field consultants. Based in Customer Support, she worked with product engineering and marketing on refining existing solutions and designing new solutions. Prior to working on Distributed Systems performance management products, she had extensive involvement with AS/400 and mainframe product support and development.

- Previous Presentations
  - US regions:
    - Chicago (Midwest) 2011
    - DC (Capitol) 2012
    - New York 2009
    - St. Louis 2008, 2010
    - Southern 2009
    - Southern California 2013
  - International regions:
    - CMG Canada (Toronto) 2011
ABSTRACTS AND BIO’S

Rich Fronheiser
Abstract
Many organizations have a Capacity Management process or function in place, but no practical way to assess the effectiveness or even the strengths and weaknesses of the process or function. This led to the development and refinement of a Capacity Management Maturity Assessment, consisting of 20 carefully chosen questions that help an organization assess maturity and effectiveness.

Once completed, the results will allow the Capacity Manager to better communicate the importance of Capacity Management and also create a plan to fill identified gaps going forward. Applying this assessment to multiple organizations allows comparisons to be made — between organizations and between an organization and others sharing characteristics such as type of business, geographical location, organizational size, among others.

This presentation will discuss the development of the Capacity Management Maturity Assessment, will walk attendees through the assessment, and will also present some findings gathered from St. Louis area organizations. At the completion of the presentation, attendees will be better equipped to evaluate the maturity of their organizations’ Capacity Management process or function.

Bio
Rich has been working in Capacity Management for 19 years, the last 12+ with Metron, holding ITIL v2 Manager and v3 Expert certification. He’s worked in a variety of presales and post sales consulting roles within Metron, turning his attention in recent years to product and strategic marketing. Rich earned a BS in Mathematics from Juniata College (PA) and an MBA from the University of Wisconsin-Whitewater and is responsible for Metron’s global marketing efforts.

Dale Feiste
Abstract
Understanding VMware Capacity:

VMware is the go-to option for virtualization for many organizations, and has been for some time. The longer it’s been around, the more focus there is on making efficiency savings for the organization. This is where the Capacity Manager really needs to understand the technology, how to monitor it, and how to decide what headroom exists. In this presentation, we’ll take a look at some of the key topics in understanding VMware Capacity:

- Why OS monitoring can be misleading
- 5 Key Metrics
- Measuring Processor Capacity
- Measuring memory Capacity
- Calculating Headroom in VMs

http://www.cmg.org/regions/saint-louis-computer-measurement-group/index/
Essential Reporting

Reporting is a cornerstone of the capacity and performance management process, especially when it identifies problems before they happen. Enterprise datacenters continue to evolve with new technology and capabilities. External cloud providers enable functionality to be moved outside of datacenters. More components are tied together by applications across different infrastructure environments than ever before. Managing capacity and performance for all of these environments is a difficult task, and it is sometimes moved to a low priority, neglected, or not done at all. Automation is the key to managing capacity and performance for complex environments. Implementing an effective reporting process requires a good understanding of who the customers will be and what they need. Creating reports that are not used can lead to false perceptions that capacity and performance management is not worth the effort. Cost justification may be a key part of the reporting itself. Ensuring visibility of success and management support is often required to show value. Certain types of reporting should be implemented for different audiences, and presentation style can have a big impact on how reporting output is perceived.

- Proactive reporting
- Evolving Datacenters
- Return on Investment
- Visibility and Management Support
- Report Types and Presentation Style

Bio

Dale is a Principal Consultant at Metron with 20 years of experience in systems performance and capacity management. Dale has broad knowledge in many aspects of capacity management and performance engineering. He has worked at some of the largest financial firms in the United States. He holds many certifications across a diverse set of technologies (including VMware VCP 6), and a degree in computer information systems from Excelsior College. Dale attended his first CMG conference in 2000.

Charles Johnson

Abstract

Capacity Management for System z is not a silo activity within an enterprise. Every Capacity Management decision is a business decision. With that in mind, there are either positive or negative cost implications. Capacity Management reports are visible to all the major parties within an organization from the C-Level down to the Lines of Business and the Analysts. In order to be successful with the data, analysis and reporting one needs to take an enterprise view in all those aspects. With all the changes in the licensing scenarios, one needs to understand the current ways in which licenses can be applied.

This webinar will discuss the following:
- Capacity Management from an Enterprise level
- MLC & WLC (Monthly and Workload License Charges)
- Explanation of Country Multiplex Pricing (CMP) and how it may affect your enterprise
- Reporting necessary to understand the license charges
- Forecasting for future changes

Bio

Charles Johnson has been in the Information Technology industry for 30+ years. This has included working at a number of Fortune 500 organizations in different business sectors, including insurance, financial and automotive. Charles has been involved in Performance and Capacity for zOS, Distributed and Virtualization for the majority of his career, both at a technician, manager and director level. Charles holds certifications in both ITIL and VMware. Charles is currently a Principal Consultant with Metron-Athene, Inc., a worldwide software organization specializing in Performance and Capacity Management.