

| Session             | Pty  | Rep | Title  | Speaker        | Content Ownr                     | Abstract  | Service Management | Asset Management | Energy Efficiency | Virtualization | Business Resiliency | Security | Information Infrastructure  |
|---------------------|------|-----|--|----------------|----------------------------------|---|--------------------|------------------|-------------------|----------------|---------------------|----------|---|
| <b>Lab Services</b> |      |     |  |                |                                  |   |                    |                  |                   |                |                     |          |   |
| <b>Lecture</b>      |      |     |  |                |                                  |   |                    |                  |                   |                |                     |          |   |
| BVI01               | High | 2   | Virtualization and Customer Adoption Maturity  | Al Rozell      | IBM STG Lab Services - Al Rozell | Many customers share the same questions, growing pains, business process challenges, etc that come with embracing virtualization. Each customer does this at their' own pace; in other words as their virtualization adoption matures. Understanding a customer's Virtualization Adoption Maturity is a vital aspect to properly positioning how IBM products and services can help.  |                    |                  |                   | X              |                     |          |   |
| BVI02               | High | 1   | Virtual I/O Server Best Practices  | Dave Buffaline | Dave Buffaline                   | This session covers Best Practices for deploying Virtual I/O Servers in an environment. Methodologies for implementing these servers are becoming even more important as they are required for Partition Mobility; hold the physical infrastructure and Client backbone for the entire frame. This session will address common practices with building profiles, configuring the OS, & monitoring performance.  |                    |                  |                   | X              |                     |          | Special Note: Dave Buffaline lives in Tampa and can commute to Orlando. |
| BEE03               | High | 3   | Delivering Data Center Energy and Cooling Efficiencies Using Mobile Measurement Technology | Greg Harwick   | Greg Harwick                     | Utilizing MMT and the expertise and experience of IBM Systems Lab Services and Training, a thermal profile of your existing data center is created to identify possibilities for improved cooling efficiencies. Lab Services has identified energy savings equivalent on average of 12% of IT power costs and 23% of cooling power costs for data centers ranging from 4,000 to 85,000 square feet.   |                    |                  | X                 |                |                     |          |   |
| BAM03               | High | 1   | Java Performance on System z   | John Diamond   |                                  | This session provides an overview of Java performance on System z. Attendees will gain a good insight into the benefits and some of the pitfalls of running Java on System z. The topics include J2EE applications running in WebSphere Application Server and Java Batch programs. The session will cover using IBM Rational code reviews to quickly identify code that can cause performance issues. The session will cover application profiling to identify application bottlenecks and memory usage. It will cover Java on System z best practices that will keep the server running at peak performance.  |                    | X                |                   |                |                     |          |   |
| BSM02               | High | 1   | IT JVM on i  | Lisa Wellman   | Lisa Wellman                     | As Classic JVM on IBM i is being sunset, IBM i customers are moving to the IT JVM, whether they like it or not. While the Java specification largely ensures the transition will not affect your developer's code, the switch will not be as easy for your system administrators and performance analysts. This session covers the differences between Classic JVM and IT JVM from a performance perspective. We will cover garbage collection function, monitoring, and tuning. Performance tools, both cross-platform and specific to i, will be shown. Come to hear practical, frank advice from someone who has helped several customers "make the switch". | X                  |                  |                   |                |                     |          |   |
| BAM04               | High | 1   | WAS/Java performance on i  | Lisa Wellman   | Lisa Wellman                     | What are the top factors contributing to WebSphere Application Server performance on i? What tools should you use to monitor performance and troubleshoot performance problems? Come to hear practical, frank advice from someone who is an expert on performance analysis for WAS on I environments.   |                    | X                |                   |                |                     |          |   |





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|--|-------|------|---|---|-------------------|-------------------|--|---|--|---|---|---|---|---|--|--|--|--|
|  | BEE02 | High | 2 | Energy Saving Solutions for the Data Center   | Roger Schmidt     | Roger Schmidt     | This seminar will discuss some of the new services and products that focus on energy saving solutions for their data center - rear door heat exchangers, mobile measurement technology(MMT), active energy manager(AEM), and power and thermal assessment tools.   |   |  | X |   |   |   |   |  |  |  |  |
|  | BSM03 | High | 1 | SOA on SYSTEM z   | Ron Townsend      | IBM               | This session provides an overview of using Service Oriented Architecture strategies to modernize System z based IT systems   | X |  |   |   |   |   |   |  |  |  |  |
|  | BEE04 | High | 2 | IBM's Advantages in Green IT  | Scott Barielle    | Scott Barielle    | IBM has capabilities in energy efficiency our competitors do not. Learn about these services and products in each brand, and how measurements and hard numbers can be used to make the case.   |   |  | X |   |   |   |   |  |  |  |  |
|  | BEE05 | High | 2 | Energy Efficiency & Green - Facts and Fiction   | Scott Barielle    | Scott Barielle    | Practical explanations of business and technical drivers behind all the interest given by an expert in systems energy efficiency.  |   |  | X |   |   |   |   |  |  |  |  |
|  | BEE06 | High | 2 | TCO & ROI of Green IT   | Scott Barielle    | Scott Barielle    | A no-nonsense overview and explanation of the financial factors involved with "green" IT and data center facilities. Includes comparisons and commonalities with consolidation and virtualization. All brands and storage are covered.   |   |  | X |   |   |   |   |  |  |  |  |
|  | BBR02 | High | 1 | IBM i and External Storage - The New Equation   | Selwyn Dickey     | Selwyn Dickey     | IBM i V6R1 has opened up new methods of connecting storage to IBM i through the VIOS and the SVC. Additionally the high performance DS8000 storage now performs as fast as internal disk. This session will cover all the options customers have for external storage on IBM i with V6R1 and explain the benefits of each environment.   |   |  |   |   | X |   |   |  |  |  |  |
|  | BBR01 | High | 2 | HA for IBM i using PowerHA and CopyServices Toolkit   | Selwyn Dickey     | Selwyn Dickey     | This session will explain how PowerHA fits into the IBM i portfolio, and help customers understand this easy to manage High Availability and Disaster Recover solution.  |   |  |   |   | X |   |   |  |  |  |  |
|  | BSE03 | High | 1 | Navigating the AIX Security Jungle: Securing Systems Across all AIX Levels                        | Stephen Dominguez | Stephen Dominguez | There is a myriad of security features available on AIX 5L V5.2, 5L V5.3, and V6.1. However, not all features can be implemented across all AIX levels. In this session, we will learn about each feature and learn how to select the appropriate sets of features for securing AIX from AIX 5L V5.2 to AIX V6.1.  |   |  |   |   |   | X |   |  |  |  |  |
|  | BSE04 | High | 2 | Digging Into the AIX V6 Advanced Security Features  | Stephen Dominguez | Stephen Dominguez | AIX V6 is the latest generation of IBM's well-proven, scalable, open standards-based UNIX® operating system. AIX V6 provides the following significant security features and enhancements: Trusted Execution, Enhanced Role Based Access Control (RBAC), Encrypted File Systems, Trusted AIX, and enhancements to AIX Security Expert. In this session, we will take a close look at each of these powerful features and enhancements  |   |  |   |   |   |   | X |  |  |  |  |
|  | BVI07 | High | 2 | Managing VMWare & Microsoft Virtual Servers using IBM Systems Director 6.1 Virtualization Manager | Stephen Furr      | Stephen Furr      | IBM Systems Director 6.1 can help you manage your x86 based virtualization environments. This session will provide in-depth coverage of configuring and managing Microsoft Virtual Server and VMware ESX virtual environments using IBM Systems Director 6.1.  |   |  |   | X |   |   |   |  |  |  |  |
|  | BVI08 | High | 2 | IBM Systems Director 6.1 Monitoring and Automation for IBM Systems                                | Stephen Furr      | Stephen Furr      | IBM Systems Director 6.1 is a cross platform systems management tool which allows you to monitor system and OS resources for all supported systems and provides the ability to promptly alert system administrators and run predefined tasks when events occur. This session will cover monitoring the health and status of your systems, setting thresholds to generate events and the creation of Automation plans, filters, actions and commands. Examples will include Windows on x86 and AIX, IBM i on Power Systems. |   |  |   | X |   |   |   |  |  |  |  |



| Demo  |                       |           |  |              |              |  |   |          |          |          |           |          |          |          |  |  |  |  |
|-------|-----------------------|-----------|--|--------------|--------------|--|---|----------|----------|----------|-----------|----------|----------|----------|--|--|--|--|
| BSM04 | High                  | 2         | Flash all firmware in a full IBM BladeCenter chassis in under an hour, with just a laptop and a simple UI: Demonstration of "RapidFlash" - a Lab Services prototype appliance/offering | Paul Braren  | Paul Braren  | Very modest training and system resource requirements (200MB RAM/16GB USB key) can allow an entire chassis full of blades and switches to be completely flashed in under an hour, kicked off with a simple button-click user interface. Similar techniques can be used for System x flashing as well. Witness how easy it can be to overcome obstacles when dealing with firmware flashing, particularly in new datacenter deployments, where the only tool you may have is a laptop. A BladeCenter chassis filled with 14 blades has up to 140 blade firmware elements to flash, in addition to management modules and switch modules. While IBM tools can create bootable IBM UpdateXpress SystemPack firmware bundles, RapidFlash is a field-tested prototype IBM Lab Services offering that uses a pre-configured deployment mechanism for those bundles, for delivering repeated, automated, and reliable results. Especially suited for IBM Open Fabric Manager deployments, which require AMM/BIOS/BMC/Broadcom/HBA firmware to be updated. | X |          |          |          |           |          |          |          |  |  |  |  |
| BSM05 | High                  | 2         | VMware VI3 In a Box - Demonstrate ESX/ESXi/VMotion/HA/DRS to IBM customers with bundled VMware software & services, all using just a laptop!   | Paul Braren  | Paul Braren  | Does the idea of a self-contained VMware VI3 infrastructure, complete with shared LAN and SAN resources, sound appealing to you? The potential for demonstration and training is enormous, and has been field tested by Lab Services. Imagine being able to explain AND demonstrate the differences between ESX and ESXi to customers with IBM servers bundled with VMware software, without reliance on lab or internet connectivity. Prepare for pre-sales meetings, production deployments, or even VMware certification exams, at minimal cost, using just your laptop. VMware Workstation and IBM N Series and other methods for iSCSI or NFS shared storage will be featured. Come see the configuration walk-thru and live demonstration!   | X |          |          |          |           |          |          |          |  |  |  |  |
| BVI09 | High                  | 2         | Managing IBM Power Systems Virtual Environment with IBM Systems Director 6.1 Demo  | Randy Ruhlow | Randy Ruhlow | Join this session to see a demonstration of the new IBM Systems Director 6.1 Virtualization Manager. We will discover HMC and IVM platform managers, access their physical and virtual servers, create a virtual farm comprised of two physical servers, create a relocation plan and execute that plan to move a virtual server from one physical host to another.  |   |          |          | X        |           |          |          |          |  |  |  |  |
| BVI10 | High                  | 2         | IBM Systems Director 6.1 Monitoring and Automation for IBM Systems Demo  | Stephen Furr | Stephen Furr | Come to this session and see how easy it is to check the status and health of your IBM systems and to quickly identify problems. In this session we will demonstrate the ease of configuring monitors, thresholds and automation plans over IBM Systems including Windows on System x, AIX and IBM i on Power Systems.   |   |          |          | X        |           |          |          |          |  |  |  |  |
|       | <b>Total Sessions</b> | <b>37</b> |  |              |              |  |   | <b>5</b> | <b>4</b> | <b>6</b> | <b>11</b> | <b>2</b> | <b>4</b> | <b>5</b> |  |  |  |  |
|       | <b>Total Sessions</b> | <b>37</b> |  |              |              |  |   | <b>5</b> | <b>4</b> | <b>6</b> | <b>11</b> | <b>2</b> | <b>4</b> | <b>5</b> |  |  |  |  |

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|-----------------|------|-----|---|--------|----------------|----------------|--|--------------------|------------------|-------------------|----------------|---------------------|----------|----------------------------|--|
| <b>System z</b> |      |     |   |        |                |                |  |                    |                  |                   |                |                     |          |                            |  |
| <b>Lecture</b>  |      |     |   |        |                |                |  |                    |                  |                   |                |                     |          |                            |  |
| zSM02           | High | 2   | The Evolution to a Dynamic Infrastructure | Single | Annette Miller | Annette Miller | Building a smarter planet is IBM's point of view on how interconnected technologies are changing the way the world literally works. This presentation will discuss the critical role that a dynamic infrastructure plays in this vision. The approach to a dynamic infrastructure addresses today's challenges and tomorrow's opportunities. Building a dynamic infrastructure is an evolutionary process – not a rip and replace approach. Organizations are under pressure to drive efficiencies and optimize their processes to achieve more with less. Efficiency of business and IT assets comes from integrating virtualization, energy efficiency, standardization and automation to free up operational budget for new investment. This includes working to automate as much functionality as possible to free up not just financial resources, but human capital as well. Instrumentation of physical infrastructure resources is enabling more dynamic measurement, allocation and management to support innovation, transformation and differentiation. | X                  |                  |                   |                |                     |          |                            |  |
| zSM01           | High | 1   | Keeping your head above the clouds        | Single | Annette Miller | Annette Miller | A storm started brewing in 2008. References to cloud computing started popping up everywhere. One magazine writer predicted that the cloud revolution will be as big as the industrial revolution. While this may be an over statement, cloud is a new and revolutionary alternative IT sourcing approach. We believe that companies will begin to explore the business benefits by leveraging a blended strategy for acquiring services and delivering information across customers, employees and third-party providers across the value chain. From an organizational perspective, cloud computing delivers services for consumer and business needs in a simplified way, providing scale and differentiated quality of service to foster rapid innovation and decision making. This can help address the explosion of information and respond to business requirements while reducing capital and operational costs associated with delivery of services. This introductory session will introduce the fundamental concepts of cloud computing, some           | X                  |                  |                   |                |                     |          |                            |  |
| zSM03           | High | 1   | What is IT Service Management?            | Single | Annette Miller | Annette Miller | Service Management is a term used to describe the management processes, systems and best practices needed to effectively build a smarter business by efficiently delivering business services. An effective service management implementation can help address the challenges that our customers continue to face. Rising costs, infrastructure complexity and increasing compliance demands are only a few of these challenges. A fully integrated service management solution can help deliver quality services more effectively to help address these challenges by automating and streamlining business and IT processes. 40,000 people a year are becoming ITIL certified. If your organization is talking about ITIL, or IT Service Management and you do not understand the conversation, this session will give you an introduction to ITIL and service management. It will also introduce the IBM service management platform and the operational management products.  | X                  |                  |                   |                |                     |          |                            |  |







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| <b>Storage</b> |      |     |  |        |                |              |  |                    |                  |                   |                |                     |          |                            |  |  |
| SAS01          | High | 2   | TS7650G ProtecTIER De-duplication Gateway Overview       | Single | Scott Drummond |              | The IBM System Storage™ TS7650G ProtecTIER™ De-duplication Gateway solution meets the disk-based data protection needs of the enterprise data center while enabling significant infrastructure cost reductions. The solution offers high-performance in-line data de-duplication, optional two node clustering, and up to 1 petabyte (PB) of physical storage capacity per system. Combined with IBM storage, the ProtecTIER Gateway solution provides an optimal disk-based target for backup and archive data.   |                    | X                |                   |                |                     |          |                            |  |  |
| SBR01          | High | 1   | IBM Disk Subsystem Copy Services Update                  | Single | John Sing      | John Sing    | This session gives the IT Manager and IT Technical Architect an overview of new IBM Copy Services functions that have been introduced in various IBM Disk Subsystem platforms in the past year. We will compare the functions and positioning for FlashCopy, Snapshot, SnapMirror, Metro Mirror, Global Mirror, across DS3000, DS5000, DS8000, SVC, XIV, and N series. After this session you will be able to describe and position the similarities and differences between Advanced Copy Services on the various IBM disk subsystems. Session "How does Disk Mirroring Really Work" or equivalent experience is recommended as pre-requisite for this session.   |                    |                  |                   |                |                     | X        |                            |  |  |
| SBR02          | High | 1   | IBM DS8000 Copy Services Customer Experiences and Usages | Single | John Sing      | John Sing    | Come see and hear the latest in customer experiences and usage patterns for DS8000 Copy Services. We'll explore how IBM Global Mirror has grown in the past two years in terms of large customer installations, scale, and IO rates. We'll review recent installation characteristics and demographics for Metro Mirror (including HyperSwap), for Global Mirror, and three site Copy Services installations. You'll get a good feel for what the current customer usage patterns, experiences, and lessons learned for IBM DS8000 Copy Services in USA and worldwide.   |                    |                  |                   |                |                     |          | X                          |  |  |
| SBR03          | High | 1   | System p HA-DR Overview for Storage Planners             | Single | John Sing      | John Sing    | Planning HA / DR in a System p environment is a common requirement for customers. However, the AIX and Storage teams are usually different departments, and often are not familiar with the HA/DR capabilities and synergies that exist with the other. This session provides an robust overview of AIX PowerHA's HA/DR concepts and capabilities (including new PowerHA Global Logical Volume Mirror enhancement) specifically for the Storage Planner. We review four case studies to illustrate when to choose AIX replication, when to choose storage replication, automation and management tools, and overall optimum System p HA/DR solution configuration. |                    |                  |                   |                |                     |          | X                          |  |  |



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|-------|------|---|--------|-------------|-------------|---|---|--|--|--|--|---|--|--|
| SSM02 | High | 1 Managing Complex Storage Environments with TPC 4.1  | Single | Jeff Ottman |             | Learn how to improve management of complex storage environments with the enhancements in the Tivoli Storage Productivity Center 4.1. New features in TPC 4.1 like the storage optimizer, resource groups and improved N-Series management provide new tools to more effectively manage all your storage assets.   | X |  |  |  |  |   |  |  |
| SSM03 | High | 2 What's New with TSM   | Single | Greg Tevis  |             | Functionality and scalability are the key themes of the new TSM V6 announcement. For additional scalability, TSM's internal, proprietary database has been ported to IBM DB2. Two significant new functions have also been introduced: a built-in data de-duplication feature that helps eliminate redundant data, and a near real-time monitoring and operational reporting tool. This session will explore these TSM enhancements as well as a number of other server, client and data protection improvements.   | X |  |  |  |  |   |  |  |
| SVI01 | High | 1 Data Protection in a Virtual World (TSM/FastBack)   | Single | Oren Wolf   |             | Many organizations are considering virtualization as a way to reduce costs but protecting valuable data in a virtual environment can prove to be a challenge, Virtualizing and consolidating servers also means that these virtual servers will now share various resources such as CPU and I/O, and your traditional backup might not be able to cope with the lack of these resources. There are multitude backup schemes that can be deployed to protect your data. This session will focus on deployment best practices for providing first class data protection for these assets, and what are the best practices that should be deployed.  |   |  |  |  |  | X |  |  |
| SVI02 | High | 1 Tivoli Storage Offerings for the Virtual Environment (TPC, SVC, TSM, FastBack)  | Single | Oren Wolf   |             | As more and more servers are being virtualized, the tasks of managing different aspects of the virtual environment get more complicated, Customers are struggling with the various aspects: migrating data, provisioning new machines, supplying their storage needs, identifying network, CPU and I/O bottlenecks, and protecting the data that resides in the virtual environment. This session will focus on the various Tivoli tools that are currently available to help customers cope with these challenges.   |   |  |  |  |  | X |  |  |
| SVI03 | High | 1 SVC -- the DNA for a Smarter Storage Infrastructure   | Single | Sharon Wang |             | profile of your storage area network and storage systems, and transforms your business assets into an integrated, optimized, and adaptive information infrastructure, ready for secure data delivery. SVC virtualization enables nondisruptive and transparent data migration to facilitate the implementation of a tiered storage architecture. SVC endows attaching storage systems with the ability to participate in thin provisioning to effectively improve your server storage utilization. SVC network-based data replication services streamline and replace storage system and server level copy or mirroring services to enhance data availability and business resiliency. The option to attach an extensive list of heterogeneous storage systems to the SVC preserves your freedom of choice while future proofing your current investments. From small to medium and large enterprises, SVC is the DNA needed for your business information infrastructure. Check out the SVC lab sessions for a test drive of some of these features. |   |  |  |  |  | X |  |  |
| SVI04 | High | 1 Managing Advanced Copy Services for Business Resiliency with the Tivoli Storage Productivity Center (TPC) for Replication | Single | Jeff Ottman | Jeff Ottman | The session will show how to improve administration and management for Business Resiliency with TPC for Replication 4.1 in a customer storage environment. The session will include coverage of how to create, monitor and manage copy services sessions and include a live demonstration of the product.   |   |  |  |  |  | X |  |  |



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| <b>System x</b> |      |     |   |        |               |               |  |                    |                  |                   |                |                     |          |                            |   |
| <b>Lecture</b>  |      |     |   |        |               |               |  |                    |                  |                   |                |                     |          |                            |   |
| XII01           | High | 2   | PN41 - Network Application Platform               | Single | Steve Jaynes  | Paul Nordlund | The IBM BladeCenter PN41 blade server is designed to provide Deep Packet Inspection (DPI) functions for telecommunication, enterprise and government environments that need help improving visibility, service control and security of their IP network traffic in real-time. By combining the powerful capabilities of IBM BladeCenter with the performance of CloudShield, an industry-leading network service control and security provider, the IBM BladeCenter PN41 blade server is designed to be an ideal foundation for next-generation service management solutions. Subscriber Services Manager (SSM), an additional application sold by CloudShield, provides a subscriber-level traffic management system that helps service providers deliver on their Quality of Service (QoS) and Service Level Agreements (SLA) subscriber commitments. This solution also helps detect and prioritize application traffic with a time of day/week granularity for latency-sensitive applications like VoIP, VoD and online gaming applications. |                    |                  |                   |                |                     |          |                            | X |
| XSE01           | High | 2   | STG Content for Digital Video Surveillance (DVS)  | Single | David Cosby   |               | The Digital Video Surveillance (DVS) industry is abandoning analog and using off the shelf IT equipment. IBM engages client IT organizations, but with DVS knowledge, you can engage the client's loss prevention and DVS team; IP Video needs LOTS of storage while video analytics needs LOTS of processing power! Like spreadsheets, video becomes business data as IP connectivity enables enterprise wide access and analytics create useful data. We'll introduce the IBM GTS security practice, update you on some large wins in the financial and travel and transportation sector, and help you sell STG content like BladeCenter S, even if the client already has a DVS integrator.   |                    |                  |                   |                |                     |          |                            | X |
| XII02           | High | 2   | Next Generation Networks & the IBM BladeCenter HT | Single | Steve Jaynes  | Alex Cabanes  | The IBM BladeCenter HT is a carrier-grade, NEBS3 / ETSI compliant platform that helps telecommunications carriers bridge the worlds of legacy PSTN and new, IP-based, Next-Generation Networks (NGN). This allows carriers to leverage the economics of Commercial-Off-The-Shelf technologies to greatly reduce their total-cost of ownership. With over one trillion objects – cars, appliances, cameras, roadways, pipelines – all interconnected to the Internet – through telecom carriers. Everything needs communications to work. Every application will have built-in communication capabilities and innovations on new applications are happening everyday. The planet is becoming smarter. The IBM BladeCenter provides the backbone for a Smarter Planet by providing a carrier-grade platform that enables new services in an converged, all IP-based network.   |                    |                  |                   |                |                     |          |                            | X |
| XSM03           | High | 2   | Introduction to IBM Systems Director 6.1          | Single | Craig Elliott | Craig Elliott | IBM Systems Director 6.1 is the newest version of IBM's award-winning cross-brand platform management product. This session is an introduction for those unfamiliar with IBM Systems Director 6.1, or a "refresher" for those new to IBM Systems Director 6.1. Also included is an overview of the available and planned Advanced Managers.  | X                  |                  |                   |                |                     |          |                            |   |
| XSM04           | High | 2   | IBM Systems Director 6.1 Advanced Customization   | Single | Craig Elliott | Craig Elliott | The functionality provided by IBM Systems Director 6.1 can be enhanced thru advanced customization. This session will cover advanced customization topics such as - Creating monitor groups; - Creating custom compliance policies; - Configuring LDAP authentication using MS-AD  | X                  |                  |                   |                |                     |          |                            |   |







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**Lecture**

|       |   |  |   |  |                              |  |  |
|-------|---|--|---|--|------------------------------|--|--|
| TSM01 | H |  | Managing Power Servers with AIX Enterprise Edition  |  | Ben Stern                    |  | Increased complexity and rising costs of service delivery, coupled with business challenges are driving IT organizations to look for ways to manage server systems more proactively and effectively. Management Edition for AIX and AIX Enterprise Edition are integrated, enterprise-class solutions tailored for the Power platform that enables you to discover and map the configuration of Power Systems' resources, track changes to those resources, monitor the health and availability of the resources and account for the usage of those resources, all from a single console.  |
| TEE01 | H |  | Creating an Energy-Efficient Datacenter with Effective Monitoring   |  | Jim Fletcher                 |  | You cannot manage what you can't measure. To achieve a greener IT and facilities infrastructure, begin by monitoring the energy consumption end-to-end. This session focuses on IBM Tivoli Monitoring for Energy Management, its energy data collection capabilities, and integration with industry-leading offerings across IT and Facilities. Dive deep into practical issues around gaining visibility into energy consumption to build a foundation for complete energy management.  |
| TBR01 | H |  | Integrating Systems Director with Tivoli to Align Server Operations with Business Objectives  |  | Paul Casterlin / Deepa Desai |  | In most organizations, server bases remain siloed and fragmented and their use is characterized by levels of inefficiency that would not be tolerated in other areas of the business. This session will explore IBM tools to provide a common management architecture for streamlining the discovery, management, problem resolution, and reporting of IBM and non-IBM resources across the enterprise. Rich platform management capabilities and hardware data can be brought into a broader business service context. This enhances troubleshooting, reporting, energy efficiency, and capacity planning that can help customers deliver highly available, critical business services that drive their business results. |
| TVI01 | H |  | Automated Service Management for Virtualized Environments: Getting the Most Out of Your Server Consolidation and Optimization Efforts |  | Pratik Gupta                 |  | How do you take the risk out of server consolidation and virtualization? How do you deploy new services to a virtualized infrastructure? How do you manage and optimize it? IBM offers new solutions that address these critical challenges. This session will discuss how service desk, monitoring, and provisioning tools yield a single, unified solution to give you policy-driven control of your virtual infrastructure and help optimize your server consolidation efforts.   |

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| <b>Total Sessions</b> | <b>4</b> |
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|----------------|-----|-----|---|--------|---------------|--------------|--|
| <b>Power</b>   |     |     |   |        |               |              |  |
| <b>Lecture</b> |     |     |   |        |               |              |  |
| PSM01          | H   |     | Learn more about AIX Workload Partitions (WPARS)  |        | ernest segura |              | Workload Partitions (WPARs) have recently been introduced with IBM AIX 6.1. WPARs are autonomous virtual system environments with their own private root file systems, user and groups, login, network space and administrative domain. The majority of traditional system services is virtualized at the workload partition level and can be independently used and managed within each WPAR. This session will cover the advantages of WPARs along with steps to setup a WPAR environment and issues to be considered when implementing WPARs  |
| PSM02          | H   |     | Tool for Migrating AIX 5.3 Logical Partitions to AIX 6.1 Workload Partitions                    |        | ernest segura |              | Workload Partitions (WPARs) have recently been introduced with IBM AIX 6.1. WPARs are autonomous virtual system environments with their own private root file systems, user and groups, login, network space and administrative domain. . Lab-based Services has a tool that will assist and automate migrating a PowerVM Logical Partition (LPARs) running AIX 5.3 or higher to AIX 6.1 WPARs. This talk will discuss the technology behind the tool along with limitations and performance.  |
| PSM03          | H   |     | Towards Dynamic Infrastructure Realization - STG Lab Services role in an IBM customer's journey |        | alan wilcox   |              | I will discuss the customer's vision - "Shared Distributed Infrastructure" which parallels the "simplified - shared - dynamic" track of "DI" . As the lab services team lead for the project, I will describe how and why lab services was called upon, our three step plan -- "stability -- performance -- design" which is acclaimed as shrinking the timeline into the current "DI/shared" stage of the model. I will conclude by detailing their aggressive deployment of Live Partition Mobility/promotioning as business advantage , and the STG-customer care and lab services partnership in this realization in 2009. Other points of interest: Customer is ensembles beta. Customer is member of AIX TCC leadership council. |
| PEE01          | H   |     | Go Green and have a Dynamic Data Center   |        | David Ayd     |              | IBM 's Green IT capabilities and how they enable a Dynamic Data Center   |

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|  | PVI01 | H |  | Virtualization and IBM Systems   |  | David Ayd        |  | How IBM Systems enable a Dynamic Infrastructure with World class Virtualization capabilities   |
|  | PEE02 | H |  | Implementing an energy management plan                                     |  | Jeff Van Heuklon |  | This session will describe a suggested process for implementing an energy management plan for a datacenter. This includes evaluating the IT in a datacenter, deploying an energy management application, and ongoing monitoring. A step-by-step approach for implementation will be covered, focusing on the energy management functions.  |
|  | PSM04 | H |  | Configuring a Mid-Range DS for VIOS and i                                  |  | Chuck Stupca     |  | Configuring a mid-range DS unit is a different from the high-end units. In this lab, the student will create a RAID 1 array, logical drives, map drives to a host, establish flash copy and volume copy relationships.   |
|  | PSM05 | H |  | Attaching Mid-Range SAN Storage to i                                       |  | Chuck Stupca     |  | Come learn about using DS3000, DS400, and DS5000 storage for IBM i. Learn about the product family and functions. Learn how to connect it to IBM i using the Virtual I/O Server (VIOS), including sizing, connectivity, and  |
|  | PBR01 | H |  | Disaster Recovery Solutions with IASPs and Clusters -5761-HAS IBM Power HA |  | Chuck Stupca     |  | IBM i provides functions that support a variety of disaster recovery solutions using IASP and clusters. Solutions that will be discussed are: -Tower level mirroring -Geographic mirroring -System I storage with FlashCopy -System storage with Metro Mirror -System storage with Global Mirror -Load source in System Storage storage By the end of this session, attendees will be able to: 1. Understand the disaster recovery options available using IBM i functions. 2. Know the IBM System Storage Copy Services available. 3. Evaluate the applicability of each of the solutions to their environment. |
|  | PII01 | H |  | POWER Systems and Dynamic Infrastructure                                   |  | David Ayd        |  | Overview of Power Systems and How they enable a Dynamic Infrastructure   |
|  | PBR03 | H |  | Power Systems: A new reliability design for a resilient infrastruce        |  | Jim Mitchell     |  | This session explores the POWER6 server RAS advantages. New features that will be discussed: Concurrent services for System and I/O resources, Hot add of processors / memory & I/O, Processor Instruction retry with Alternate processor recovery. A review of firmware update strategies, AIX reliability, Logical vs Physical partitioning considerations for RAS will also be provided.  |
|  | PVI02 | H |  | Power Systems: Virtualization Architecture and Implementation.             |  | Jim Mitchell     |  | This presentation provides an overview of Power Systems PowerVM offerings with a description of the current features and benefits. Included in the presentation will be an overview of IBM's planned PowerVM enhancements for 2009. There will be a detailed segment on Activity Memory Sharing, the new Virtual Memory offering scheduled for 1H 2009   |

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|  | PII02 | H |  | Power System Directions:<br>The flexible processing infrastructure            |  | Patrick ORourke        | This session will provide an overview of the current POWER6 platform offerings and IBM's planned announcements for 2009 and beyond for the Power System family. Including in the presentation will be content regarding IBM's plans for new Power System offerings, New I/O offerings including Fiber Channel and SAS solutions, and Remote IO Drawers enhancements  |
|  | PII03 | H |  | Power System IO Update: Meeting the I/O demands of a flexible infrastructure. |  | Patrick ORourke        | This session provides an in-depth discussion of I/O offerings for Power System platform. The following items will be discussed: Fiber Channel solution, SAS offerings, SSD, NPIV, Virtual I/O versus Real I/O in a partition environment, and Single Fabric Architecture ( FCoE )  |
|  | PVI03 | H |  | NPIV - How to Virtualize Fibre Adapters on Power6 (PowerVM)                   |  | Richard John Bleistein | NPIV (N_Port ID Virtualization) is a fibre channel industry standard method for virtualizing a physical fibre channel port. NPIV allows one F_Port to be associated with multiple N_Port IDs, so a physical fibre channel HBA can be shared across multiple guest operating systems in a virtual environment. This session describes the hardware and software pre-requisites, how to implement, display and monitor a virtual fibre client adapter on Power6. |
|  | PII04 | H |  | IBM BladeCenter and Power Blades 101  |  | Vess Natchev           | Interested in getting started with blades? Curious about consolidating Power servers into a blade environment? This technical session will present a 2009 view of IBM's BladeCenter solution. It will focus on the architecture and I/O capabilities of the BladeCenter chassis. The session will also present the details behind IBM's newest Power blade servers.  |
|  | PBR04 | H |  | PowerHA on AIX  |  | Steven Finnes          | PowerHA on AIX (HACMP) is the most widely deployed UNIX HA solution in the world. In this session we will discuss the product offering, positioning and strategy as well some of the most recent offering enhancements such as support for GLVM async mode which allows you to manage geographically dispersed clusters.   |
|  | PBR05 | H |  | PowerHA on IBM i product offering and strategy                                |  | Steven Finnes          | PowerHA on i was announced in January of 2008. It is the storage based high availability product that similar to PowerHA on AIX (HACMP). In this session we will cover the product offering, position the product and talk about clients that are using it. You will come away with a clear understanding about the offering, the strategy and future direction.   |

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| PVI04                 | H         |  | Reality Check - Lab-based Services for a large complex PowerVM environment | Bob Foster/Alan Wilcox     | This session will discuss the issues and solutions resulting from a long term engagement provided by Lab-based services. The PowerVM environment contained 10s of Power 5 and Power 6 servers, 1000s of partitions, many VIOS partitions, and multiple HMCs. This environment is designed to utilize Live Partition Mobility (LPM) such that partitions can be moved from server to server to avoid downtime on servers for 24x7x365 uptime. In an environment this large, there are many factors that have to work well to realize the goal of LPM everywhere. We wil discuss solutions to many issues in this complex environment including MPIO disk locking issues, VIOS performance, HMC performance, and networking |
| PVI06                 | H         |  | Power Systems Virtualization for IBM i                                     | Vess Natchev               | When is PowerVM required for IBM i? How is IBM i virtualization different from Virtual I/O Server (VIOS) virtualization? This technical session will provide a 2009 overview of virtualization technologies on Power Systems, and explain how and when to use them for IBM i applications. The discussion will also cover the latest virtualization enhancements in the Hardware Management Console (HMC) and Integrated Virtualization Manager (IVM).  |
| <b>Lab</b>            |           |  |  |                            |   |
| PBR06                 | H         |  | Enabling Applications for IASP Lab   | Chuck Stupca,Fred Robinson | Come to this lab and learn how to enable an application for IASPs. IBM i work management knowledge is assumed.  |
| <b>Demo</b>           |           |  |  |                            |   |
| PEE05                 | H         |  | Overview and demo of Active Energy Manager                                 | Jeff Van Heuklon           | IBM Systems Director Active Energy Manager can be used to monitor and manage the power consumption of IBM IT equipment, including all server platforms. New functions recently became available that allow this product to integrate with 3rd party facilities equipment to get an overall datacenter view. A live demo will be performed, that includes tips for using Active Energy Manager.  |
| <b>Total Sessions</b> | <b>22</b> |  |  |                            |   |