

IBM System z Technical Conference 2009 - Session list and abstracts

Track	Session ID	Title	Speaker	Lab or Demo	Level
System z Technology and the Green Data Center					
	zGG01	Planning of a full z environment by a young z community.	Arnaud MANTE	The Montpellier's PSSC hired young people to work and integrate the z community. In this environment of highly skilled expert with long experience, the z newbie team took the initiative to create a full system z LPAR (zVM, z/OS and linux for system z) in autonomy to learn these new (for us) and old (for IBM and customers) technologies. The team explores the basic but new problems discovered by the future zSystem administrator team and takes choices to resolve it: naming convention for master catalog or others, choice of storage management... Installation of traditional middleware: DB2, MQ... This story shows the investment done by IBM for the future of the young system z employees but also the technical road chosen to create the system. In this session you are going to see the creation of VM, linux and z/OS with a focus on this part. I will be also the place to discover all technical and political problems meet during the installation and configuration and our solution based on advices and personal convictions.	Bas
	zGG02	The Evolution to a Dynamic Infrastructure	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 rep 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. This transforms assets into valued services through common processes and systems that improve preventive and predictive maintenance and resource allocation to increase overall business performance.	Int
	zGG03	Keeping Your Head Above Cloud Computing	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 session will introduce the fundamental concepts of cloud computing, some examples, and discuss how the mainframe is an excellent foundation for a cloud implementation.	Int
	zGG04	Visualize and Manage your z Events from a Single Location	Clayton Ching	Your Enterprise has hundreds or perhaps thousands of events you need to prioritize and manage. Complexity and volume is growing in many ways such as through mergers and acquisitions. Is there a way to gain better understanding of what you need to manage? This presentation will discuss methods of collecting, visualizing and managing events in your enterprise.	Int
	zGG05	Dashboard: Bring your z Enterprise into a Single Pane of Glass	Clayton Ching	The z/OS environment is getting more complex, often having z/OS and one or more sub subsystems requiring to support a Business Service. These business services often originate on a distributed platform and then need to navigate through an enterprise environment. This navigation can be complex, and difficult to map. By using Top-down analysis it is possible to visualize (map) and manage any business service application dependencies. This presentation will discuss a method to create dashboards for IT and business.	Int
	zGG06	From Systems Management to Enterprise Business Service Management	Denis Gras	Today's business world does not accept IT problems, but it is a long journey from Systems Management to Business Service Management. If you want in your enterprise a central point of management for your IT services, you will need to build your Service Management Information System. This session demonstrates how it can be done and lead to an infrastructure optimization and a better service to Business Units. At the conclusion of this presentation, you should: – Know why including Service Management early in your Strategy – Be more confident to promote large-scale infrastructure transformation projects (SOA, Consolidation,...) – Be aware that System z can become the enterprise-wide Service Management Hub	Bas
	zGG07	Design & build your own Enterprise-wide Service Management Hub	Denis Gras	Today's increasingly complex environments & technologies (SOA, Virtualization, Cloud Computing,...) are a challenge to manage. If you want to proactively create an effective and efficient "Business Environment", you will need to design and build a new Information System that will support the new Business & IT processes. At the conclusion of this presentation, you should be able to: - Assess your maturity level - Know how to start your project - Identify the key components of your solution - Be aware that System z can be the enterprise-wide Service Management Hub (integrated, available, scalable and secure) - Know (based on customer projects feedback) how to design and build your own Solution	Int
	zGG08	Mainframe Mythbusting - The Truth about the mainframe	Frank J. De Gilio	Over the years there has been alot of disinformation about the mainframe. People who do not understand about the mainframe have been exploiting myths about the mainframe for years to ensure that it is excluded from business plans. They have been spreading these lies so long we are even starting to believe them. This session will talk about the biggest lies told about the mainframe and give you the truth. This session will give you ammunition to fight back when these people display their ignorance.	Bas
	zGG09	Platform Selection Basics	Frank De Gilio	In the past application developers determined what platforms were appropriate for their work. With the advent of containerized environments and platform independent applications, the model has changed. What do you use to figure out what platform is appropriate for a particular workload? What is appropriate criteria? Is there method for doing this? This session gives technical professionals a model for figuring out the appropriate way to approach the problem and a different way of looking at it.	Int
	zGG10	Using a Dynamic Infrastructure to fight the Gremlins in the Data Center	Frank J. De Gilio	The data center is full of gremlins that are intent on compromising the security, availability and health of your systems. What's more most of the people who work there are unwittingly in league with these gremlins. This session talks about the processes, people and events that conspire to hurt your data center's health and the things you can do with IBM's Dynamic Infrastructure to defeat them.	Int
	zGG11	Cloud Computing: What every z person must know	Frank J. De Gilio	Cloud computing is the latest buzzword in the industry. The appeal of the services available from Google and Amazon have fired users imagination and created expectations for every data center. Just what is cloud computing? How is it going to effect my environment? How is it going to change the way my business operates? This session will talk about cloud computing, how it is changing the industry and how it is likely to effect you.	Bas
	zGG12	Saving Money (and Your Mainframe)	Fabio Massimo Ottaviani, 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.	Int
	zGG13	What's New in System z Software Pricing	Kay Adams	This session will cover details of any recent IBM Announcements affecting System z Software Licensing/Pricing.	Int

zGG14	z8xx/z9BC Software Pricing Overview	Kay Adams	The z800/z890/z9BC processors offer the most flexible pricing options in the System z product line. IBM offers several "standalone" pricing options, unique to these processors, that offer very attractive entry level pricing and flexibility. This session will focus on these standalone pricing options. Topics include: - Entry Workload License Charge (EWLC) - zSeries Entry License Charge (zELC) - Tiered Entry Workload License Charge (TWLC) - zNALC (replacing z/OS.e & Divide-a-Box) plus - IPLA "OTC" pricing. In addition, these processors can take advantage of and fully participate in all of the z9EC/z10/Sysplex metrics. Information on z800/z890/z9BC participation in Sysplex SW pricing metrics, e.g., PSLC & Workload License Charge, will be included in the z9EC/z10/Sysplex SW Pricing session.	Int
zGG15	z9EC/z10/Sysplex Software Pricing Overview	Kay Adams	This session will focus on the SW Pricing options available to IBM's Series z9EC/z10 processors & System z Sysplexes. We will discuss Monthly License Charge (MLC) metrics including: - PSLC (Parallel Sysplex License Charge) - WLC (Workload License Charge) - ULC (Usage License Charge) - zNALC (New Application License Charge) plus - IPLA "OTC" pricing.	Int
zGG16	Virtualization Platform Comparison - Can Intel Beat the Mainframe?	Avijit Chatterjee	In this presentation we show the results of benchmark testing with some of the market leading platform virtualization solutions including VMware ESX Server, Microsofts new Hyper-V (bundled with Windows Server 2008) and IBMs own z/VM. We compare each platform's basic scalability and observe the effect of hitting various constraints such as CPU or memory. A roundup of customer experiences extend our data to include other Total Cost of Ownership factors, and we present a TCO overview of the different solutions to determine whether the mainframe is still the king of virtualization!	Int
zGG17	Mainframe TCO - Setting the Record Straight	Avijit Chatterjee	Since the recent economic downturn, cost has become an even more critical element of any project. In this session, we will review the latest evidence of lower mainframe costs as compared with alternative platforms. Suggested prescriptive actions will be provided to ensure you continue to derive the best economic performance while continuing to develop and deploy a smarter business. We will review actual customer TCO studies that compare the mainframe to distributed alternatives.	Int
zGG18	FICON Connectivity solutions: The end to end approach.	Iain Neville	This session will provide an update on FICON connectivity and extended distance solutions. We introduce High performance FICON for System z and the inherent enhancements for Recoverability, Availability and Serviceability. We articulate the end to end connectivity approach both within the datacentre and for multi-site business resilience solutions.	Int
zGG19	Introducing High Performance FICON	Jeffrey Berger	This presentation introduces the basics of High Performance FICON. High Performance FICON, known as zHPF, is a new channel architecture and a new type of channel program. The z10 processor and Release 4.1 of the DS8000 provide the hardware support, and the z/OS support is provided in Release 1.10 (and retrofitted to 1.8 and 1.9). By improving the efficiency of FICON channels, zHPF can be used to consolidate channels, or to provide lower I/O response time and much higher throughput for OLTP workloads, especially when used in conjunction with solid state disks or to manage a large number of spinning disks. New channel statistics are provided in RMF that will help gauge the effects of zHPF on your workload.	Adv
zGG20	What do you mean by Green Data Center?	Jean-Michel Rodriguez	For the past three years, green computing has been on the IT agenda, and companies start to implemented some best practices to become more energy efficient. We see now hot aisle and cold aisle in Data Centers, we have consolidated workloads with server virtualization and server utilization are also boosted. Nevertheless, as CPU and storage demand increase, IT energy consumption grows in a significant way. Incremental improvements in cooling and server efficiency won't be enough to avoid the coming power and carbon crisis. This presentation will explain why data center energy use is about to hit the wall and illustrates the next steps for companies to go beyond the basics. The objectives of the presentation are: Explain why we have problems in our Data Centers. Present the Green and Energy Efficiency concepts. What are the IBM Green solutions and technologies.	Int
zGG21	Put your mainframe in a Green Data Center	Jean-Michel Rodriguez	Energy efficiency is an integral component of IBM strategy to create a strong, sustainable economy. Customers are highlighting the importance of energy efficiency, not just from cost or environmental perspectives, but also because many data centres are at the limit of power they are physically capable of drawing from the grid. I will explain through the IBM Green concepts and strategy why we see the mainframe as very efficient from the point of view of a given workload. The objectives of the presentation are: Explain the Energy Efficiency concepts. Make the audience understand the differences, from an energy consumption point of view, between mainframes and distributed servers. How to build a Green Data Center with mainframes inside (High Density and Low Density Zones). How to measure and monitor energy on a mainframe. Show all the concepts and a real implementation through a remote access to the PSSC Montpellier Green Data Center.	Int
zGG22	The Business Value of System z Virtualization Leadership	Reed Mullen	IT managers are facing significant cost issues in deploying server workloads on distributed systems. x86 server virtualization support is perceived by some to be the solution to the "server sprawl" problem. Perception is not always reality. This session will explain why System z virtualization support offers extremely high levels of business value for hosting virtual server workloads. The fundamental differences between z/VM on System z and x86 virtualization offerings such as VMware will be discussed. Server virtualization concepts will be explained for the uninitiated, and specific value propositions for Linux-on-z/VM will be highlighted.	Int
zGG23	OpenSolaris on System z: A Technical Update	Neale Ferguson	At last year's conference we introduced the port of OpenSolaris to System z and answered the questions: - What was involved in getting Solaris running on System z? - What does it take to make a new operating system available on System z? We were able to demonstrate some of the technology to show what was possible. In this year's update we will examine what advances have been made and take a closer look at some of the implementation details.	Int
zGG24	The IBM Tivoli Service Management Center for System z	Raymond Sun	The IBM Tivoli Service Management Center for System z is a set of integrated solutions that enable System z as a highly reliable hub for efficient management of business and IT services that span the enterprise, bringing service management and process automation to System z. In this session, we will examine industry pressures and inhibitors, how service management and process automation can address these issues, and look at specific scenarios showing how Tivoli Service Management Center for System z can deliver service management and process automation capabilities, through integrated Tivoli solutions.	Int
zGG25	What are Universities doing with System z this year?	Dr. Malcolm Beattie	This session will talk about some of the ways in which universities across Europe have been bringing mainframe knowledge to their students. The IBM System z University Program for Europe works with universities and clients and supports them in a number of ways, advancing the goals of the IBM Academic Initiative for System z. This session will describe some of the events, courses, online projects and other work that universities have been doing this last year to help enthuse and educate those who will be forming the next generation of IT professionals.	Bas
zGG26	Introducing System z10 BC and Technical update for z10 EC	Parwez Hamid	This session provides an overview of the latest addition to the Family of System z Servers - IBM System z10 BC. In addition the the Speaker will also discuss the latest enhancements of functions and features for the z10 EC. The session will provide technical detail on new System z10 EC and BC design and function in the areas of the processor chip, book structure, memory offering and overall system structure. It also will provide an introduction to System z10 EC I/O, Capacity on Demand and RAS related topics that will be presented in more detail in other sessions. Additional enhancements include provision of function enabling pre-planning of configuration avoiding the need to plan for scheduled outages.	Int

zGG27	IBM System z10 - Understanding the Capacity on Demand capability	Parwez Hamid	During this session the Speaker will discuss the ongoing enhancements to the Capacity on Demand architecture for IBM System z10 family of Servers. The z10 introduces just-in-time deployment of capacity resources designed to provide more flexibility to dynamically change capacity when business requirements change. A significant change is the ability to add permanent capacity to the server when you are in a temporary state. Learn how Capacity Backup for emergency replacement capacity and On/Off Capacity on Demand for temporary additional capacity have been reinvented on System z10 to increase their value, flexibility and responsiveness, to remove restrictions, and to add a Capacity Provisioning Architecture. Learn about the new replacement capacity offering, Capacity for Planned Event. The combination of these updates can change the way you think about on demand capacity	Int
zGG28	Introducing the IBM System z10 BC and updates for z10 EC I/O Subsystem	Parwez Hamid	During this session the Speaker will discuss the additional updates and enhancements which were introduced during October 2008 and April 2009 for the System z10. The session will also include details about the new I/O subsystem for the z10 BC and its impact and benefits in higher availability reducing the need to plan-ahead for additional I/O capability in future System z Servers.	Int
zGG29	What's New In GDPS (Version 3.6)	Udo Pimiskern	GDPS is IBM's industry leading multi-site availability and disaster recovery solution. After a quick overview of the different GDPS offerings, get a technical update on recent GDPS functional enhancements made available in March 2009. Learn about the new support for FlashCopy with GDPS/PPRC and GDPS/PPRC HyperSwap Manager when using IBM DS8000 storage, as well as more about the statements of direction for supporting Metro Mirror secondary devices in the System z alternate subchannel set. Also understand the latest extensions to the GDPS support for heterogeneous (distributed) systems through the Distributed Cluster Manager (DCM) capability announced with version 3.5. GDPS trends and directions will also be covered.	Int
zGG30	GDPS Basics	Udo Pimiskern	Are your critical business applications protected from the many unplanned and planned outages that can contribute to application and data unavailability? The very survival of your business may depend upon how quickly you can react to and recover from an unplanned outage such as a disk failure or an entire site failure. Is your business-critical data protected from a site disaster? Do you put off system maintenance and upgrades to avoid system downtime? This session will provide an overview of how GDPS™, IBM's industry-leading, multi-site application availability solution, integrates key availability technologies such as Parallel Sysplex, Remote Copy technologies Metro Mirror (PPRC), Global Mirror and z/OS Global Mirror (XRC) together with System Automation for z/OS to enhance application availability and improve disaster recovery. The basic GDPS functions, GDPS/PPRC, GDPS/XRC, GDPS/GM configuration capabilities, options, positioning will be discussed along with real customer implementation scenarios and business benefits. Also focus on how GDPS also covers heterogeneous (distributed) systems through the new Distributed Cluster Manager (DCM) capability.	Int
zGG40	IBM experience with Oracle on IBM System z	Nicolas Marescaux	(forthcoming)	Int
zGG50	LAB: Introduction to REXX Hands-on Lab (Part 1 of 2)	John Franciscovich and Brian Hugenbruch	The REXX Language has been with us for more than two decades. It was designed to be easy (and fun!) to use, and continues to be popular across many computing platforms. Would you like to boost your skills by learning the basics of the powerful REXX Language? This two-part hands-on-lab is for you. We'll begin with the basic syntax and expressions, continue with class exercises, and progress to more advanced topics. This lab continues with Part 2.	Bas
zGG51	LAB: Introduction to REXX Hands-on Lab (Part 2 of 2)	John Franciscovich and Brian Hugenbruch	This is the continuation of the REXX Hands-on-Lab.	Bas

Linux on System z

zLX01	What's New in Linux on System z?	Sven Schuetz	This session will provide an overview of new features in Linux on System z that are currently under development by IBM and the open source community, and are expected to be provided with upcoming releases of Linux enterprise distributions. We will address both System z-specific features and some current platform-independent developments in Linux. The session will attempt to give an impression of how Linux development for System z works, and where we are heading.	Int
zLX02	Understanding the Technology Advantages of Running Linux on z/VM	Reed Mullen	The IBM z/VM hypervisor is a key component in most System z Linux success stories. This is because z/VM offers an extensive set of virtualization technologies that enable users to enjoy significant cost savings when deploying Linux-based solutions on the mainframe. This presentation will explain in some detail the various virtualization capabilities in z/VM that enable users to achieve these cost savings and simplify the operational tasks needed to host a large-scale virtual server environment.	Int
zLX03	Problem Determination with Linux on System z	Klaus Dieter Wacker	This presentation is about problem resolution in Linux on System z. We will show how to use debugging tools to collect important system data and analyze real life problems. Focus is on the utilities from the sysstat package (sar, iostat). In addition, we explain how you can check the health of your system using these tools before or after a problem occurs.	Int
zLX04	SCSI over FCP for Linux on System z roundup	Sven Schuetz	SCSI over FCP for Linux on System z has been available for quite some time now. This session will give an overview from the beginning until today. Hardware and software requirements, configuration, performance considerations, IPL, multipathing and dump will be covered. Other topics will be FCP support in recent Linux distributions and new features to improve the FCP support in Linux on System z.	Int
zLX05	Linux on System z - wiki and docs - let's collaborate	Sven Schuetz	Everybody knows the situation - you have a problem, but you do not know where to look for the answer. Was it in the install guide? Or was it the Redbook? No, it was on the Web page! Wait a minute .. which one?! Come to this session and learn: ... what documentation is available ... where to look for the information ... how to give feedback. Are you are doing new stuff which is not mentioned anywhere? Linux on System z provides an open, interactive wiki for your use. Something is not well written or not documented? Create it in the wiki! Leverage the knowledge of IBMers throughout the Linux on System z community.	Int
zLX06	Management considerations when moving from distributed environments to Linux on System Z	Frank J. De Gilio	Businesses are starting to look at system z as a platform to manage environments that were completely distributed. There are some advantages for collapsing complete environments onto Linux on System z, but are you getting the most benefit possible? What are the trade offs? What management techniques will have to change? This session explores issues that accompany a migration from distributed environments to Linux on System z.	Int
zLX07	Using Linux on System z : Client Examples	Frank J. De Gilio	There has been a surge of businesses going to System z. Many of them are going to Linux on system z to save money. This session will describe some client examples of using Linux on System z. We will talk about their reasons for going and the benefits they achieved. If you want to make a case for using Linux on System z in your shop, this session will arm you with example client successes to support your case.	Int
zLX08	Exploit virtualization and integration with modern Solutions with Linux on System z as central hub.	Wilhelm Mild	The power and scalability of Linux on System z in a z/VM Virtualized Environment can become the Central Hub in the enterprise. Come and see how Linux on System z can be the Enterprise Hub for your data, for your SOA environment, for your Mail Servers, for your Phone System, for your dynamic Web infrastructure, for your backup and much more. Integrate your surrounding servers no matter what they are. Reduce your headache for managing high dynamic workloads and maintenance. It's the open platform Linux on System z, that empowers the mainframe with these possibilities.	Int

zLX09	Growth options from Open Source to IBM Middleware for Linux on System z	Dr. Malcolm Beattie	For most areas of middleware on Linux on System z, there are multiple pieces of software that you can choose, both free/open source and proprietary. It is common to start with an open source product (quick and easy to install, start using and become productive with) then buy some more complex proprietary software as the workload grows (which provides more functionality and scalability) and then perhaps buy a high-end proprietary product as the workload growth makes its benefits cost-effective. This presentation picks a dozen areas of middleware and surveys some of the open source solutions and the corresponding IBM middleware solutions available as a growth path. The areas considered included automation, monitoring, performance measurement, backup/restore/archive, high availability, database, web applications, "people" communications, system management/deployment, "application" communications and security and user management. Many of the open source solutions can be set up very quickly and detailed instructions on these are covered in the companion presentation "Ten free Linux applications you can install and use in half an hour".	Int
zLX10	Ten free Linux applications you can install and use in half an hour	Dr. Malcolm Beattie	One of the strengths of Linux is the easy availability of powerful middleware/application software that comes with Linux distributions in a form which is tested, mostly pre-configured and pre-integrated with related software and is easy to install, get working and put to productive use. This presentation takes ten such pieces of software and explains for each how to get it installed, configured, accessible and usable within half an hour (no guarantees: your mileage may vary; deadlines in mirror are closer than they appear etc.). This enables applications and solutions to be put together very quickly. Those interested in planning for growth and scaling of such applications into areas where IBM middleware provides benefits may like to attend the companion presentation "Growth options from Open Source to IBM Middleware for Linux on System z".	Int
zLX11	Introduction to AFS	Neale Ferguson	This session will provide an introduction to AFS, a distributed file system available for Linux (and other UNIX or UNIX-like systems).	Bas
ZLX12	Synergy of z/OS and Linux for IBM System z in production	Bernd Daubner and Alexander Riedel	FITS is a IT service provider for "Sparkassen Finanzgruppe". In this session we will present our experience from a customer's perspective. Beginning with our initial motivation implementing Linux on IBM System z with z/VM and how we started to set up the first productive Applications. FITS will also show their achieved synergy effects with z/OS.	Int
zLX21	Communication Controller for Linux (CCL) - technical overview	Alfred B Christensen	The Communication Controller for Linux (CCL) on System z enables you to modernize the traditional SNA subarea access environment that typically consist of ESCON channel-attached and Token-ring LAN-attached IBM 3745s running NCP and optionally NPSI. CCL allows you to continue using selected NCP and NPSI functions, but at the same time migrate away from ESCON channels, Token-ring hardware, and IBM 3745 hardware. CCL is a program product that emulates the IBM 3745 hardware so that the NCP can run on top of CCL in a Linux environment on the System z hardware. This session will present an overview of the CCL-based technology.	Adv
zLX22	Networking with Linux on System z - Basic OSA Device Configuration	Klaus Dieter Wacker	Linux on System z offers a lot of possibilities to get your system connected to a network. This presentation will give an overview of all the network devices supported by Linux on System z. Examples will show how to set up networking on your system using OSA, z/VM GuestLAN, z/VM VSWITCH, and HyperSockets. You will learn how to configure a network device manually and how to configure a network device automatically in RedHat and Novell distributions. The presentation will end with more advanced network topics such as VLAN and Channel Bonding.	Int
zLX31	Security Concepts for Linux for System z	Jack Jones	Linux runs on the System z hardware. This session will explain the security with Linux on System z and how the System z hardware can be used to enhance the normal security features of Linux. Also, configurations will be described that will provide security solutions that utilize both the z/OS and/or z/VM security features with the security and flexibility of the Linux on System z.	Int
zLX32	Disaster Recovery with GDPS/PPRC and IBM Tivoli System Automation	Raimund Thielker	If you are using Linux on System z together with z/OS for your critical business applications, how can you provide coordinated high availability and disaster recovery? With GDPS/PPRC and IBM Tivoli System Automation for Multiplatforms V3.1 you can. You even can automate your heterogeneous business applications running on z/OS and distributed platforms with IBM Tivoli System Automation Application Manager V3.1 on System z as your automation hub. Thus, you manage the availability of your business applications end to end from a single point of control exploiting automation mechanisms like cross cluster dependencies. In cooperation with System Automation Application Manager, GDPS/PPRC extends its scope towards coordinated disaster recovery covering z/OS and distributed platforms.	Int
zLX33	Leveraging System z security for Linux on System z	Frank J. De Gilio	Some people are afraid that the vulnerability of Linux will somehow endanger their traditional system z environments. Actually the opposite can be true. This session talks about how you can leverage the system z security environments in z/OS and z/VM to lock down your Linux on z. It describes options and talks about how they can be practically deployed in your enterprise.	Int
zLX34	NJE on Linux: Integrating Linux into the Mainframe Management World	Neale Ferguson	NJE has been around for many years now with z/VM, z/VSE and z/OS users exploiting the technology to automate their system operations. Now that Linux has started appearing in these very same sites many "roll your own" mechanisms have been invented to integrate this platform with the classic operating systems. Usually this involves hacking together a pseudo-automatic FTP implementation that works well until the slightest thing goes wrong and then it falls apart. This session describes a more robust system based on NJE. Linux, Solaris, and Windows can now exploit this mature technology and integrate with your existing system automation, job management, and other operations management tasks and tools	Int
zLX35	Linux Authentication using LDAP with z/VM RACF	Alan Altmark	In this session we will discuss the z/VM LDAP server and its relationship to the z/VM RACF Security Server. Learn how to authenticate Linux users against the z/VM RACF database.	Int
zLX41	Linux on System z Performance Update Part 1 of 3: z10 CPU and Memory, Linux Kernel and Java	Martin Kammerer	this is the first part of a three-part session covering the latest performance results and tuning tips for Linux on System z. In part one, the speaker will cover the new z10 hardware and issues related to CPU and memory performance (e.g. compiler) as well as Linux kernel topics and the current state of Java performance.	Int
zLX42	Linux on System z Performance Update Part 2 of 3: Networking and Crypto	Martin Kammerer	This is the second part of a three-part session covering the latest performance results and tuning tips for Linux on System z. In part two, the speaker will cover best practices for networking and hardware advances with cryptographic adapters.	Int
zLX43	Linux on System z Performance Update Part 3 of 3: Disk I/O	Martin Kammerer	This is the third part of a three-part session covering the latest performance results and tuning tips for Linux on System z. In part three, the speaker will cover ECKD and SCSI disk I/O, considerations concerning storage servers, Linux disk I/O options and hints and tips for setting up large disk spaces for database servers.	Int
zLX44	Linux on z/VM – Understanding CPU Usage	Rob van der Heij	In a shared resource environment like Linux on z/VM, success depends a lot on how well you manage the use of the shared resources. Misbehaving virtual servers impact performance or require an excessive amount of CPUs to run the workload. This presentation shows how to measure CPU usage, understand where the CPU cycles go, and how to identify misbehaving applications. Where applicable, real life examples from ESALPS will be used to illustrate the process.	Int
zLX45	Linux on z/VM – Memory Management	Rob van der Heij	For many installations today, z/VM memory management is the single most relevant aspect of performance management. Much of this is not intuitive – not for the z/VM systems programmer nor for the Linux administrator. This presentation will focus on sizing virtual servers, techniques to manage the "virtual server footprint" and the importance of "Q-drop" for memory management. Where applicable, real life examples from ESALPS will be used to illustrate the process.	Int

zLX51	Lab: Linux for Beginners Hands-on-Lab - Part 1 of 3	Neale Ferguson	What is this thing called Linux? How is it organized? What are its key technologies? How do you start using it? These lab sessions are designed to allow you to answer these questions. If you are a Linux and UNIX neophyte who would like to start down the Linux path, then plan on attending these sessions. If you are familiar with UNIX already then these labs are probably not for you.	Bas
zLX52	Lab: Linux for Beginners Hands-on-Lab - Part 2 of 3	Neale Ferguson	Part 2 is a continuation of the Linux for Beginners Hands-on-Lab.	Bas
zLX53	Lab: Linux for Beginners Hands-on-Lab - Part 3 of 3	Neale Ferguson	Part 3 is a continuation of the Linux for Beginners Hands-On-Lab	Bas
zLX54	Lab: Basic Linux Scripting Hands-on-Lab - Part 1 of 2	Neale Ferguson	You've been told that Linux on System z is a good thing and that you need to make it happen. So how do I do this: <pre> //REPORT JOB 61315 NEALE, MSGLEVEL=(1,1) //RPT EXEC PGM=REPORT.PARM= Report Title //SYSLIB DD DSN=HOME.NEALE.DISP=SHR //SYSPRINT DD SYSOUT=* //IN1 DD DSN=TMP.PROD.MON.IN001.DISP=SHR //IN2 DD DSN=TMP.PROD.MON.IN002.DISP=SHR //IN3 DD DSN=TMP.PROD.MON.IN003.DISP=SHR //OUT DD DSN=TMP.PROD.MON.NEALE(OUT).DISP=SHR with Linux? </pre> There's no such thing as JCL so how do I control my jobs? That's where scripting comes in. While in concept CLISTS are similar to scripting in Linux the analogy	Bas
zLX55	Lab: Basic Linux Scripting Hands-on-Lab - Part 2 of 2	Neale Ferguson	This lab (part 2) will provide a hands-on introduction to basic shell scripting on the Linux operating system. The skills learned will be useful for any Linux system, whether on the mainframe or otherwise.	Bas
zLX56	LAB: Linux on System z Installation Lab - Part 1	Martin Kammerer and Klaus Dieter Wacker	Since its first going-public in 1999, Linux on the mainframe has found its place next to z/OS, z/VM and z/VSE. This lab is the chance for all who either know Linux or the mainframe but have never tried the combination of both. Part 1 will begin with an assisted installation of a recent mainframe Linux distribution and will result in a fully installed system. After this lab attendees should be able to install a mainframe Linux in their environment from scratch.	Bas
zLX57	LAB: Linux on System z Installation Lab - Part 2	Martin Kammerer and Klaus Dieter Wacker	This is a continuation of the Linux on System z Installation lab.	Bas
zLX58	LAB: Linux on System z Installation Lab - Part 3	Martin Kammerer and Klaus Wacker	This is the continuation of the Linux on System z Installation hands-on-lab.	Bas

z/OS Transactions Networking BI and Security

zNS01	z/OS Communications Server - the latest and greatest	Alfred B Christensen	This session will present the latest and greatest capabilities of the Communications Server on z/OS. The session will focus on enhancements provided in the z/OS CS V1R10 release. Among the Communications Server for z/OS V1R10 new functions that will be discussed are: a new z/OS Defense Manager, a TN3270 Name Server for sysplex-wide LU name management, z/OS FTP Server security improvements, TCP/IP subplex support for LBA and ADNR, performance enhancements, EE/SNA enhancements, Configuration Assistant enhancements, and more! The session will also preview new functions in z/OS V1R11 Communications Server.	Adv
zNS02	Getting your System z network ready for your Services Oriented Architecture	Alfred B Christensen	How do you ensure reliable, scalable, and high-performance network access in a SOA environment? How do networking trends such as IPv6, virtualization, and security affect your application and network strategies? And how can you use SOA to get even more mileage from your venerable SNA applications? In addition to being well known as the premiere platform for hosting traditional mission-critical workloads, the System z server is ideal for hosting SOA-based workloads. This session will discuss considerations for implementing a network access strategy for SOA workloads on the System z platform.	Bas
zNS03	z/OS Communications Server - what is all that networking security about?	Alfred B Christensen	This session will discuss how to address the increasing number of security compliance requirements IT organizations are facing. The session will introduce how z/OS CS can assist in protecting the operating system platform from malicious attacks through the IP network and how to secure the data that is transmitted over the network to/from IP applications running on the z/OS platform. Topics such as IPSec (secure Virtual Private Networks), IPSec on z/IPS processors, IP filtering, Intrusion Detection and prevention (IDS), securing application access through authentication and encryption using SSL/TLS (including transparent SSL/TLS processing by the z/OS Communications Server) - will all be introduced.	Int
zNS04	z/OS Communications Server - Sysplex networking technology overview	Alfred B Christensen	The System z platform's Sysplex networking technologies provide unparalleled availability and horizontal growth for network applications residing in a z/OS Sysplex. But for those new to the platform and/or the Sysplex networking technologies, it also introduces a number of new concepts. In this session, we will introduce those concepts and take a brief tour of some of the more interesting Sysplex networking functions, such as dynamic VIPA, Sysplex distributor, the load-balancing advisor, and generic resources.	Int
zNS05	Operational business intelligence: first an infrastructure challenge! Why system z is a key player in this game?	MADERA Cedrine	Be able to answer to the operational business Intelligence requirements is to be able to propose an infrastructure solution which can support real-time access to aggregate, clean, deliver and secure information for decision making without disturbing the operational system! In this session, through a real customer case you are going to see what is an operational business intelligence solution how to position the solution on system z, the products available to cover it, the strength of system z10 (and more).	Bas
zNS06	A global Business Intelligence solution on system z10 with Cognos: Technical Overview	Madera Cédrine	The growth of data volumes, the ongoing regulatory changes and the growing technology capabilities are driving organizations to increase their investments in business intelligence technologies. IT department must align intelligence technology with data management techniques in order to improve their decision-making processes. By using only one platform, Cognos, in only one infrastructure, System z, you are going to be able to deliver the complete range of BI capabilities (reporting, analysis, dashboard...) with Cognos compliant service-oriented architecture (SOA). In this session you will benefit from the experience of a BI Architect through an overview of: The global BI solution on system z with Cognos Benefits in terms of architecture efficiency and simplification The Cognos technical overview Q&A session allowing you to get the answers you need!	Int
zNS07	40 Years and More – Time for a Mainframe Facelift	Isabel Arnold	When people think about the mainframe the classic "green-screen" interface comes into their mind – text based input into a console. This has been around for years, whether it comes to CICS, IMS, DB2 or TSO and ISPF. But around System z times are changing and new interfaces offer graphical access using the mouse. So instead of going black-green of envy the mainframe counters by introducing its own new graphical user interfaces. Join the speaker on a mouse-driven tour showing for example, how to access and manage CICS using the eclipse-based CICS Explorer or how ISPF-based development can be "GUI-fied" using Rational Developer for System z.	Int
zNS08	Girls just wanna have z	Isabel Arnold, Martina Schmidt	When was the last time you had to describe your job to normal people? Don't you wish you could just say "I'm a jet pilot" or something like that? Who the hell knows what a z/OS Systems Programmer is any more? Join 2 young girls on their mission to spread the message of the power of z amongst unbelievers. See how they fight to represent the mainframe in a new and attractive way catching up with topics like SOA or Web 2.0.	Bas
zNS09	IBM's System z Security Strategy	Jack Jones	This session will review IBM's business strategy in Dynamic Infrastructure and how it fits into the SmarterPlanet strategy that is required in today's business world. The emphasis of this session will be on how the System z Security strategy fits into these business strategies and how the current technologies on System z help with the strategies of reduce cost, improve service, and manage risk.	Bas
zNS10	z/OS 1.9 and 1.10 Security Update	Jack Jones	This session will review the security enhancements that have been introduced in z/OS 1.9 and z/OS 1.10. These security enhancements will include the RACF features as well as enhancements to TDS (Tivoli Directory Server) for z/OS, the digital certificates and PKI services for z/OS, and the z/OS Communication Server. The presentation will also depict how there's new security features might be used in solutions that advance an installation's security architecture at the z/OS and enterprise levels.	Int
zNS11	Introduction to System z Crypto	Jack Jones	This session will provide an introduction to crypto on System z. We will review the cryptographic algorithms supported, the applications that might use them, and how the crypto hardware across the System z platforms support those algorithms. We'll consider the differences between secure key and clear key, as well as the various key types that are available. We'll also briefly discuss the Trusted Key Entry workstation, and the special role that it fills.	Bas

zNS12	RACF Update for z/OS 1.10	Jack Jones	Recent releases of the z/OS Security Server have introduced significant new functions that is of interest to all RACF users. In this session, these new features of RACF, such as password enhancements, user-defined custom fields, and new HealthChecker reports, are explored and explained.	Adv
zNS13	Modern WebServing Technology on System z - z/OS on Rails	Kevin Keller	Did you know that you can use most of that modern web frameworks on System z and integrate them into your WebSphere Application Server or HTTP Server while taking full advantage of the features of z/OS? You can run and create full-blown Rich Internet Applications (e.g. Flash, AJAX) and use state-of-the-art development languages and frameworks like: Ruby on Rails, .NET, PHP, Perl, Python, Groovy and Grails and far more! This applications will seamlessly integrate themselves in your enterprise infrastructure on your favorite platform of choice. All this is directly running on z/OS. Get to know, how you can take advantage of Web 2.0 technology like RESTful webservices with JSON or Open Source Technologies like Geronimo Application Server on z/OS. You will also be introduced to the most important part: How can you connect these technologies with your back-ends like e.g. CICS, IMS and, of course, DB2. The smart „Enterprise 2.0“ runs on z.	Int
zNS14	What is Trusted Identity Management and why should you care!	Laura Knapp	Abstract: Identity is becoming a new leverage point in the global economy, where trust in one's identity and ID credentials are essential to almost every transaction in every industry. If you are in government you may be looking at licenses, travel documents, citizen identification, if you are an enterprise you need to define employee access and benefits, and if you are a consumer you need to feel your financial credentials and online access are secure. We explore how trusted identity compliments traditional identity management and the additional benefits gained from all parties involved in a trusted identity solution.	Bas
zNS15	Best Practices for Isolating Network Problems on z/OS using OMEGAMON and Netview for z/OS	Laura Knapp	This session will show you the 'next level' in network management on the mainframe, using IBM OMEGAMON and NetView for z/OS. Using problem-solving usage scenarios, you'll come away with practical tips and hints on how to solve common problems such as: OSA Express is slow, FTP slowdowns and failures, Application is slow due to IP problems, Enterprise Extender and HPR performance problems. And many others. You will learn how to leverage the OMEGAMON and NetView to detect the most common z/OS communication server problems, and examine key indicators to determine root causes.	Int
zNS16	Loading DB2 for z/OS from Linux on System z with BatchPipes	Michael Schapira	Some mainframe professional may remember the BatchPipes subsystem as a boost for their batch applications. BatchPipes are coming back for data integration between Linux on System z and z/OS leveraging System z vitalization technology and Hipersockets. This session will present to you the architecture put in place for an on going customer project in the Business Intelligence area and the value of such an architecture.	Int
zNS17	z/OS Security Services and Java applications	Martina Schmidt	This presentation addresses the z/OS security services that are made directly available to Java applications so they can benefit or even contribute to the management of the Identification, Authentication, and Authorization services provided in the z/OS platform. The session contains information about the Java Security Administration (JSec) API is, and how it can be exploited in a context where z/OS RACF is the user registry. Furthermore it covers how Java applications on z/OS can generate and evaluate the RACF password substitute known as PassTicket and describes how to use Enterprise Identity Mapping (EIM) support via Java APIs.	Int
zNS18	Introduction to Java on z/OS	Martina Schmidt	This presentation describes the ideas and key concepts of the Java programming language. This session covers the different Java runtimes on z/OS and includes all the z/OS specific add-ons available for Java.	Bas
zNS19	Building a highly available WPS infrastructure on z/OS - Lesson learned from large Telco customer experience	Yann Kindelberger	This session will present some important lessons learned from a BPM projects led by the European Design Center in Montpellier for a large Telco Company. The project focused on demonstrating the capabilities of WebSphere Process Server on z/OS. High Availability was a prime concern in the project. Making WebSphere Process Server infrastructure highly available and resilient to failure is a crucial requirement of most mission-critical business integration solutions. A typical WebSphere Process Server environment is a complex combination of a number of separate components - such as application servers, databases, messaging infrastructure. This session will illustrate the topological options that are available to implement High Availability and will also highlight the benefits of the Mainframe as a platform of choice to meet such requirements.	Int
zNS20	WebSphere Application Server V7.0 for z/OS – the latest and greatest	Thomas Schulze	Generally we will answer the following questions: What's hot and new in WebSphere Application Server V7.0? What new architectural choices do we have with the latest Version of IBM's application server? What can we do on z/OS that gives us an advantage compared to distributed platforms? What about Version 7 and feature packs? Any news on performance? In a bit more detail we will introduce and highlight the following points - Architectural news/ changes like Flexible Management, Administrative Agent, Job Manager and Business Level Applications - Performance of the latest version, 64-Bit default mode - Platform integration with Cross Coupling Facility (XCF) support, the Fast Response Cache Accelerator (FRCA) support, Thread Hang Recovery and news on local connectors - Installation and Migration Tools	Int
zNS21	New web application runtimes on z/OS	Thomas Schulze	New technologies for content and application serving on the web have evolved over the last months/ years. One of the major players is WEB 2.0. This presentation will give an overview of what WEB 2.0 is, how it changes and already has changed the internet and the options that System z has with this new technology. We will cover the possible application runtimes like the WebSphere Application Server ND and CE, Tomcat, Geronimo, JBoss, IHS Apache as well as the programming languages needed to write web applications. These include PHP, Perl, Jython and JRuby.	Bas

Exhibitor Presentations

zP001	Managed Evolution for System z: Invest in FICON Host Infrastructure While Preserving ESCON Applications that Deliver Continuous Business Value.	Iain Neville, IBM and Peter Dixon – Optica Technologies	System z users face the common dilemma of planning for new applications and workload growth that rely on FICON while accommodating the need to maintain legacy applications that are dependent upon existing ESCON device assets. This presentation will highlight three major European System z customers who have strategically invested in pure FICON channel architectures on System z while maintaining selective ESCON technology investments, allowing them all to greatly simplify their infrastructures and reduce operating costs. We will describe the strategies that were employed and the associated short and long term benefits to these customers. This presentation will define and illustrate the value of "Managed Evolution for System z," a jointly developed and recommended infrastructure planning process by IBM and Optica.	Int
zP002	Brocade IBM FICON Networking Solutions	Fred Smit, Brocade	Brocade provides industry-leading platforms, solutions, and services for intelligently connecting, managing and optimizing IT resources in shared storage environments—including mainframe environments—to meet evolving data center requirements for resource consolidation, server virtualization and "green" initiatives. The Brocade DCX™ Backbone provides high levels of performance, scalability, and investment protection. To support IBM System Z10 implementations, Brocade's new 8 Gbps Fibre Channel switches deliver unmatched data center performance, fabric QoS, server-to-storage connectivity, virtualization support and integrated traffic management.	Int
zP003	Kokopelli-TECH: Smart Xref® Crossed references and Intelligent Impact Analysis Software for System Z/OS	Felipe Fuentes Prior and Jaime Garcia Garcia, Kokopelli-TECH	Smart Xref® allows intelligent navigation, (Point-and-click) click on the field to navigate with hyperlinks through Z/OS objects like a JCL member, catalogued procedure, source program, a copybook field, and a program variable or a dataset name. Smart Xref® leaves out the need for making long-life and expensive processes to explore manually searches, often inexact and tedious, in the set of the applications bookstores.	Int

zP004	Novell: SUSE Linux Enterprise 11 for System z - lower costs with IFL and enjoy world-class support from Novell	Till Franke, Novell	SUSE Linux Enterprise 11 delivers interoperability and mission-critical support for your complete computing environment — desktop to data center, physical and virtual. Attend this session to learn how hundreds of customers in Europe are already benefiting from using SUSE Linux Enterprise Server for System z. Stop by Novell's booth to receive your free copy. For more information please visit: http://www.novell.com/mainframe .	Int
z/OS Performance Management				
zPM01	Introduction to z/OS Capacity Provisioning	Christian Strauer	This session will provide an introduction to the z/OS Capacity Provisioning function. Capacity Provisioning is a z/OS base function available on z/OS Release 9 and above that can monitor z/OS systems on IBM System servers. Activation and deactivation of temporary capacity can be suggested or performed automatically, based on user-defined schedules and workload criteria. This session focuses on the concepts of Capacity Provisioning and recent enhancements.	Bas
zPM02	zIIPs and zAAPs: Everything New and Old	Glenn Anderson	Specialty engines such as the zAAP and zIIP can provide significant software cost savings on z/OS. The performance analyst and the capacity planner need to understand these technologies and how to integrate them into their current environments to ensure they are getting the most from the technology. In this session, the speaker will describe the latest planning information for zIIPs and zAAPs and will discuss their impacts on processor capacity and performance.	Int
zPM03	SMF Recording with the MVS Logger	Glenn Anderson	SMF (System Management Facilities) recording to the MVS Logger was introduced in z/OS 1.9, and is a facility which allows recording of SMF data to the MVS Logger logstream. This new facility provides a solution where SMF data can be recorded to the MVS Logger logstream instead of MANx data sets. This session will describe the facility and how to set up SMF to record to the MVS Logger logstream.	Int
zPM04	Understanding Your WLM Service Policy	Glenn Anderson	This is a basic session that will work through the elements of a WLM Service Policy. How do the four goal types - Average Response Time, Percentile Response Time, Velocity and Discretionary - operate, and how do you set goals for your workloads? What exactly is Importance, and why is it a key to an effective policy? How do you classify work into Service Classes? Finally, how can RMF data be used to analyze if your WLM goals are being met, and if not, why not? The answers to all these questions and more, as this session helps you discover how to manage z/OS workloads with the power of WLM.	Bas
zPM05	HiperDispatch: Understanding the Basics	Glenn Anderson	z/OS R10 and PR/SM on the IBM z10 processor cooperate to reduce LPAR overhead and optimize processor cache efficiency. This facility is called HiperDispatch. Historically, z/OS treated all the general purpose processors in the configuration as a symmetric pool of resource and did not attempt throughput optimization through affinity dispatching. The improved cache utilization provided by HiperDispatch can boost throughput, particularly on multi-book systems. This presentation provides a historical context and an overview of HiperDispatch techniques.	Int
zPM06	Connecting the Dots: WLM, Dispatchable Units, zIIPs and zAAPs	Glenn Anderson	Your z/OS System and WLM manage different types of transaction and server workloads with multiple dispatchable units - TCBS, SRBs, enclave SRBs. Multi address space application scenarios use a combination of velocity and response time goals across multiple WLM service classes to manage performance. In addition, some of these workloads are also eligible to be redirected to zIIP and zAAP specialty engines on your System z processor. Let's connect all these pieces together to understand WLM management of enclaves and what makes work eligible for zIIPs and zAAPs.	Int
zPM07	Bigger Savings Using New z Technologies	Fabio Massimo Ottaviani, EPV Technologies	To guarantee the VWLC expected savings IBM introduced the possibility of setting both a defined capacity limit at the LPAR level and a group capacity limit (since z/OS 1.8) at the CPC level. Aggressive use of these parameters could allow to a further reduction in software costs. A technique is presented to: <ul style="list-style-type: none"> - analyze the 4-hour rolling average by WLM workload importance, - evaluate optimal "defined" and "group" capacity limits penalizing lowest important workloads, - estimate possible MSU savings. Additional savings could be obtained through a full exploitation of AAP and IIP technology; a similar technique is presented to analyzing the eligible workload running on standard CPUs and decide if buying AAP and/or IIP engines will enable you to reduce the MSU used and save money.	Int
zPM08	Controlling z/OS Applications	Daniilo Gipponi, EPV Technologies	Applications are the reason that IT infrastructure exists, so their performance is business critical. Applications are also the area in tuning which can give the best results in terms of resource (and financial) savings. For these reasons most of performance analysts efforts are devoted to control application performance and resource consumption and to quickly identify tuning opportunities and abnormal behavior. In this presentation the most effective techniques, from top objects analysis to self adaptive thresholds, will be discussed.	Int
zPM09	z/OS System Logger - Understanding, Measuring, and Tuning	Peter Enrico, Enterprise Performance Strategies, Inc.	The z/OS System Logger provides for single system or multi-system logging. Exploiters of the System Logger no longer have the responsibility to maintain logging functions. Instead the System Logger does it for them. Exploiters of System Logger include Operlog, Syslog, subsystems such as CICS for recovery, and now even SMF data can be maintained by the System Logger. During the presentation, Peter Enrico will provide an introduction to the System Logger, its components, and how it is used by its exploiters. Peter will then show how to measure, monitor, and tune the System Logger for optimal performance.	Int
zPM10	z/OS CPU Measurement Update	Peter Enrico, Enterprise Performance Strategies, Inc.	With the advent of HiperDispatch and specialty engines such as zIIPs and zAAPs, performance analysts need to update how they interpret processor related measurements. Now when analyzing CPU consumed at the address space level, workload level, or LPAR level we need to be concerned what work is running on what types of processors, the speed of the different processors, HiperDispatch, and a whole host of other factors. During this session Peter Enrico will provide updates and insights to the latest z/OS processor measurement. Areas discussed will include LPAR and workload measurements relating to HiperDispatch, as well as measuring zIIPs, zAAPs, CPs, and ICF processors.	Adv
zPM11	Understanding I/O Measurements from a Workload Point-of-View	Peter Enrico, Enterprise Performance Strategies, Inc.	When analyzing DASD I/O performance, many performance analysts concentrate on looking at I/O measurements from a logical volume and control unit point-of-view. However, it is always useful to flip the viewpoint around and examine I/O performance from a workload point-of-view to better understand and correlate the effects that poor logical volume performance has on individual workloads. During this session, Peter Enrico will provide an overview of how to examine I/O performance from a workload point-of-view. Discussed will be many of the measurements available to gain this valuable insight into a large influencing component to workload performance.	Int
zPM12	Understanding z/OS WebSphere App Server SMF 120 Measurements	Peter Enrico, Enterprise Performance Strategies, Inc.	This presentation will inventory and introduce the SMF measurements available on the z/OS platform for WebSphere applications. During this presentation Peter Enrico will level set the attending by explaining some basic WebSphere and J2EE concepts. Peter will then inventory and relate SMF measurements to the associated WebSphere and J2EE concepts. Practical usage of the SMF measurements will be provided. Although a variety of measurements will be presented, the presentation will concentrate on the SMF type 120 measurements for WebSphere J2EE application performance monitoring on z/OS.	Adv
zPM13	RMF: The Latest and Greatest	Harald Bender	RMF is IBM's strategic product for z/OS performance management. It is the base product to collect performance data of z/OS systems and it provides reporting capabilities for sysplex-wide monitoring, performance analysis and capacity planning. During this session, the speaker will point out how RMF supports you in major areas such as: <ul style="list-style-type: none"> • System z 10 Exploitation • Detection of XCF Performance Problems • Monitoring of System Locking Activities • Blocked Workload Analysis • Supervision of Capacity Groups This session includes the details of the latest functions provided with z/OS V1R9 RMF up to z/OS V1R11 RMF.	Int

zPM14	Monitoring Linux Performance with RMF	Harald Bender	RMF is a cute and reliable performance monitor for z/OS - but this is not the complete story! The time is ripe for a new experience: just get started to monitor the performance of your Linux images with RMF. To make things working, two components are available for free on the RMF web site: the Linux version of the RMF Distributed Data Server (DDS) and the RMF Linux data gatherer backend, which collects the metrics from the proc file system. If you are already using the RMF Monitor III Data Portal or the RMF PM Java Edition for z/OS performance monitoring, take advantage from the seamless transition to Linux - the same GUI's can be plugged to your Linux hosts. Even better, the concept of performance desktops allows you compose an enterprise wide health check and combine z/OS and Linux data into common views. Display your preferred Linux performance metrics instantly in a browser window. This session explains how it works and how you can set up everything a few minutes!	Int
zPM15	The 7 Deadly Sins of IP Performance	Laura Knapp	Whether you're an Internet company with exponential growth or an old line "brick and mortar" enterprise transforming your business, your success depends on how well you optimize your IT assets. Investigate the 7 Deadly Sins of IP performance management suffered by new and old e-business companies moving to an IP infrastructure AND how to avoid them. Also, learn more about the key issues impacting an IP site, including costs, and how to best manage your site in the face of worldwide pressures.	Int
zPM16	Event Pump for z/OS	Mike E. Goodman	The Event Pump for z/OS has the capability to read syslog messages and send event (EIF) messages to an event server. In Tivoli terms the Pump sends messages from IMS, CICS, DB2, OP/MVS, TSA, CICS TDQ, TWS and growing, as feeds to OMNIbus which as an event management server. With the use of the z/OS Discovery Library Adapter, both can be used to update the Tivoli Business Service Manager for dynamic changes in a Services Management dashboard. The Event Pump also comes with a Feed Profiler which can be used by customers to enable their own z application messages with the same process to send events about any messages written to the syslog from any application. This session will cover the overall architecture, feeds and relationships of how Customers are using this product to provide for LOBs service dashboards of their IT environment.	Int
zPM17	Much Ado About CPU	Martin Packer	zSeries, System z9 and z10 processors have in recent years introduced a number of capabilities of real value to mainframe customers. These capabilities have, however, required changes in the way we think about CPU management. This presentation describes these capabilities and how to evolve your CPU management to take them into account. It is based on the author's experience of evolving his reporting to support these changes. This presentation is substantially enhanced this year	Int
zPM18	Memory Matters in 2009 - Part I: System	Martin Packer	For z/OS LPARs memory management has changed radically over the years - from both the operating system perspective and that of applications. And the pendulum has swung back and forth between focusing on Real Memory and on Virtual Memory. This pair of presentations discusses managing both Real and Virtual Memory - from the perspectives of both the operating system and the exploiting products. The products include DB2, DFSORT, CICS, IMS, MQ and Websphere. This Part (I) is "System"	Int
zPM19	Memory Matters in 2009 - Part II: Applications and Middleware	Martin Packer	For z/OS LPARs memory management has changed radically over the years - from both the operating system perspective and that of applications. And the pendulum has swung back and forth between focusing on Real Memory and on Virtual Memory. This pair of presentations discusses managing both Real and Virtual Memory - from the perspectives of both the operating system and the exploiting products. The products include DB2, DFSORT, CICS, IMS, MQ and Websphere. This Part (II) is "Applications and Middleware"	Int
zPM20	z/OS Workload Manager: z/OS V1R10 Update	Robert Vaupel	This session is intended to bring you up to speed about recent enhancements in Workload Management up to the most current z/OS Release V1R9 and gives you an outlook for z/OS WLM V1R10. You will hear about WLM managed batch initiator enhancements, zAAP/zIIP support, enhancements in WLM Sysplex Routing and Contention Management, new Resource Group Types, Group Capacity Limits, the all new Workstation based policy editor and other new WLM features.	Int
zPM21	How WLM manages Real Storage on System z	Robert Vaupel	This session explains real storage management on IBM mainframes done by SRM and RSM. In particular the real storage management on LPARs with up to 4T byte environment will be explained in detail. You also will hear about Large Frame support, High Shared Areas support and other real storage management functions implemented in the last z/OS version up to z/OS V1R10.	Adv
zPM22	z/OS WLM and Hiperdispatch	Robert Vaupel	Hiperdispatch is a new function for System z10 which will gain more and more importance over the next years. Hiperdispatch is a combination of functions between the PR/SM Hiperervisor, z/OS Supervisor and z/OS Workload Manager. This session will explain how these functions work together and how the function works internally with emphasis on WLM. Focus will be on results since the function has been introduced and a discussion on changes which became necessary after the initial shipment.	Adv
zPM23	Performance Management Hints Using RMF Mon III and RMF-SMF Records: Customer Experience	Meral Temel, Garanti Teknoloji	To get maximum benefit from resources is important, especially nowadays. Performance data collector tools and performance knowledge come to the game here. Although you don't have complex monitoring tools, if you know which data and how to use the data that you have, you can create great clues to use in performance troubleshooting and monitoring. Speaker will present online report panels that they created using rmf mon3 data which they get by http requests, and hidden important fields in rmf monitor3. Sample effective reports that are used in Garanti Technology for performance monitoring and troubleshooting using RMF-SMF records will be explained. Some tips like cpu normalization method, cpu latend demand calculation will also be mentioned. The method that Garanti used based on putting performance knowledge inside reports will also be explained in addition to the methods used to manage DASD performance and sample reports will also be explained.	Int
zPM50	The RMF Monitor III Data Portal	Harald Bender	Did you already know that RMF z/OS performance data can be accessed on demand by simply using a web browser? The RMF Distributed Data Server (DDS) has been enhanced to respond directly to HTTP requests. Without the installation of any client software is now possible to explore the configuration and performance of your z/OS system instantly. You need only one HTTP session per sysplex - and it's all graphical! The lab will take you through the following topics: • initial connection and sysplex health check • sysplex configuration accordingly to the RMF data model • resources and attributes • single metrics and list valued metrics • define your own personal view • view complete Monitor III reports The lab is suited for beginners as well as for experienced RMF users, who have not exploited the Web Browser GUI so far	Int
zPM51	Analyzing XCF Performance with the RMF Spreadsheet Reporter	Harald Bender	Isn't it a drudgery to bring together all the raw XCF data from your individual z/OS systems and combine it to a sysplex wide view? And even if this piece of work is done - how to start with an efficient analysis? The RMF Spreadsheet Reporter is well known as a graphical performance analysis extension for Postprocessor reports on the workstation. With the version 5.3.1 you can run the RMF Postprocessor remotely and create XCF Reports from raw SMF74.2 data. The reports are automatically downloaded to your workstation and converted to spreadsheet-compliant format. Now you are ready to exploit the features of the new XCF macro Rmfr9xcf.xls: • Analyze your XCF performance on sheet-class as well as on path granularity • Powerful filtering options help you to reduce the amount of data and detect bottlenecks. In the lab you will learn how to use the RMF Spreadsheet Reporter efficiently. Come to see how easy it is to submit Postprocessor jobs and analyze the data immediately - everything on your PC!	Int

System Storage and Storage Networking

zSS01	DS8000 Hardware, R4 and R4.2 Update	Curtis Neal	This session will provide overview of DS8000 and then review the new DS8000 announcements of Fall 2008 (R4) and March 2009 (R4.2). We will discuss the new announcements for DS8000 solid state disk, disk drive encryption, intelligent write caching, Remote Pair FlashCopy. We will also review the Fall 2008 announcements for z/OS Metro/Global Mirror Incremental Resync, zHPF, EAV, RAID-6, and more.	Int
zSS02	What's New in DFSMSHsm	Edward Baker	This presentation will bring the listener up to date with the latest enhancements to the DFSMSHsm product. These enhancements may have arrived in the form of a release item or as a development APAR.	Int
zSS03	A DFSMSHsm Configuration 'How To'	Edward Baker	Attend this session and learn how to implement some of the highly recommended DFSMSHsm functions and learn how to enhance the performance and reliability of your DFSMSHsm environment. We will be covering how to configure for Common Recall Queue, Multiple Address Space HSM, Fast Replication as well as other recommended high performance items.	Int

zSS04	DFSMSshm Control Data set Tutorial	Edward Baker	Learn about the structure of the DFSMSshm control data set records and what they represent. Also, the speaker will provide tips and hints for the proper care and feeding of the control data sets so that you can maximize the performance from your DFSMSshm control data set environment.	Int
zSS05	Green Storage Management and Flash Drives	John Titic, Intellimagic	Being Green means saving energy and costs. We have the dilemma of needing good response times, having lots of data, but wanting to reduce costs. Can we do this? Yes! z/OS DFSMS can help us in reducing I/Os and optimizing our throughput. But how can this help reduce costs? Controlling the number of I/Os per gigabyte allows us to use higher capacity back-end disk drives. And that is where we can save money. We will look at various SMS methods and present possible multi-tier options (including Flash drives) that can reduce our power requirements, costs and still satisfy our response times.	Int
zSS06	Green Storage: Reduce Power not Performance	Els Das, IntelliMagic	This paper provides techniques to configure the disk drives in your storage system such that they use the least amount of power while still providing good performance. Minimizing power usage is not so much about finding disk drives with a lower power usage, but rather about selecting a disk drive configuration that closely matches your workload needs. The key objective in selecting disk drives is to find a configuration that meets your performance needs at the lowest drive count, i.e. with the highest drive capacity possible without the drives getting too busy. It is important to realize that this is not only a matter of selecting a drive type, but that the selection of the most suitable RAID type is equally important as is discussed in this white paper. It will be shown that RAID-10 configurations can be very attractive in combination with large capacity disks.	Int
zSS07	Accessing DB2 for z/OS on Solid State Disks	Jeffrey Berger	The price of solid state disks (SSD) are beginning to compete with traditional spinning disks in the enterprise storage market. By avoiding seeks and rotational delays, SSD has the potential to dramatically improve the performance of disk storage. This article shares some early experiences using SSD to improve the performance of DB2 for z/OS in a laboratory setting, and the lessons learned from this study.	Adv
zSS08	I/O and DASD Storage Enhancements Using DB2 9 for z/OS	Jeffrey Berger	DB2 9 for z/OS provides a number of new features to optimize use of dasd and I/O. Among these features are index compression, improved management of large objects, faster sequential I/O, improved exploitation of FlashCopy and faster recovery. This presentation shows how you can better manage your storage hardware with DB2 9.	Adv
zSS09	IBM DS8000 Copy Services Update for System z	John Sing	What's news and what's the latest with DS8000 Copy Services in the System z environment? We will overview the significant new Remote Pair FlashCopy, give a Three Site Update on both MzGM and M/GM, and provide a HyperSwap update (both GDPS HyperSwap and Basic HyperSwap) for 2 site and 3 site. Come hear and see the latest in DS8000 Copy Services for System z.	Int
zSS10	IBM DS8000 Copy Services Customer Experiences, Usages for System z	John Sing	Come see and hear the latest in customer experiences and usage patterns for DS8000 Copy Services in the System z environment. We'll explore how IBM Global Mirror has, in the past two years, reached parity with XRC in terms of large customer installations, scale, and IO rates. We'll review demographics of the two and three site Copy Services customer installations, review recent HyperSwap timings and experiences. You'll get a good feel for what the current customer usage patterns are for IBM DS8000 Copy Services in Europe and worldwide.	Int
zSS11	FlashCopy Manager and PPRC Manager for System z	John Sing	In August 2008, IBM announced two new z/OS DS8000 Advanced Copy Services usability software toolkits: the FlashCopy Manager and the PPRC Manager. These z/OS software toolkits are typically used when specific specialized z/OS or System z FlashCopy or PPRC usages and functions are needed, that the strategic automation solutions TPC for Replication for z, or GDPS, are not designed to provide. These tools have been used worldwide to significantly reduce time required to perform data and data center migrations using IBM Copy Services, and for exploitation of IBM Copy Services in batch JOB production environments. Come learn what these new z/OS software tools have to offer.	Int
zSS12	DS8000 Performance Update	Vic Peltz	This session will discuss IBM Tucson Performance Lab results for DS8000 R4.2 performance: Intelligent Write Caching, Solid State disks, SATA disks. The speaker will also review performance Fall 2008 DS8000 R4.0: High Performance FICON (zHPF), EAV, RAID-6, and 450 GB HDDs.	Int
zSS13	System z Tape, Tape Library, Tape Virtualization Update	Curtis Neal	An update on IBM Tape for System z, including TS7720 and TS7740 Virtualization Engine and and changes reflected in product release 1.5, and the latest on the TS1130 tape drive. Recent updates to Tape Encryption are included.	Int
zSS14	DS8000 Encryption and Key Lifecycle Management	Curtis Neal	DS8000 R4.2 introduced new capability to encrypt data at the disk drive level. Proper installation planning, recovery planning, and encryption key lifecycle management are essential to successful exploitation of this new function, and are discussed in detail. Utilizing this very fast secure erasure of data is also discussed.	Int
zSS15	What's New in DFSMSrmm for z/OS V1R10	Mike Wood	This is a review of z/OS V1.10 content for the DFSMSrmm component. The material covered includes all the latest function; Partitioning of Libraries and Volumes, deleted data set management, lifecycle management, availability improvements, and reporting changes. A preview of the z/OS V1R11 updates is also included.	Int
zSS16	DFSMSrmm Advanced Topics: Tape Policy Management	Mike Wood	DFSMSrmm tape policy management is relevant to archiving and compliance as well as business continuity. In this session, the speaker will review function for managing the lifecycle of data on tape and the tape volumes themselves. He will cover the most recent tape policy management features and how to exploit them.	Adv
zSS17	DFSMS Basics: Storage Reporting Using the Report Generator	Mike Wood	This session includes an overview of the Report Generator: already familiar to those who use DFSMSrmm, the report generator now supports reporting based on DCOLLECT and DFSMSshm function statistics records (FSR). The material covers report generator basics as well changes introduced in z/OS V1R10 and a preview of z/OS V1R11 updates.	Bas
zSS18	DS8000 R4.2 Remote Pair FlashCopy	Lisa Gundy	With DS8000 R4.2 announced in February 2009, IBM delivers a new function called Remote Pair FlashCopy. This function enables the use of IBM FlashCopy onto an IBM Metro Mirror primary volume and still preserve full synchronization of the mirror. FlashCopy usage is greatly enhanced in any HyperSwap or any Metro Mirror environment. Planning considerations, interface considerations, and usage recommendations for TSO, DFSMS, ICKDSF, and any z/OS environment are covered. Come get the inside information on the new DS8000 Remote Pair FlashCopy in this Deep Dive.	Adv
zSS19	DFSMSdss FlashCopy Essentials and Update	Lisa Gundy	In this session, the speaker will discuss FlashCopy using DFSMSdss. The speaker will discuss the different DFSMSdss commands that utilize FlashCopy and how FlashCopy can be used during Concurrent Copy processing. She will also provide additional details on Space Efficient FlashCopy, and provide a high level overview of the new Remote Pair FlashCopy that is available with DS8000 R4.2.	Int
zSS20	Space Efficient FlashCopy	Lisa Gundy	Storage usage is a constant struggle across installations. With copy services environments, the consumption is even greater. Space Efficient FlashCopy is one method to address over-allocation of storage for volume replication. The speaker will discuss the use of Space Efficient FlashCopy in the z/OS and DFSMS environments	Bas
zSS21	Object Access Method (OAM) Update	Lisa Gundy	The OAM component of DFSMS has provided functional enhancements including 2GB object support, query enhancements, automatic access to backup enhancements, OSMC hard stop, and more. Come and hear about what's new in OAM.	Int
zSS22	Managing Your I/O-Configuration with IBM Tivoli System Automation for z/OS	Raimund Thielker	Did you know, that IBM System Automation for z/OS can also manage your operational I/O configuration? This integrated functionality is called 'I/O-Operations'. It allows operators to make operational changes to IBM System z I/O configurations —FICON, ESCON and non-ESCON— in a safe, system-integrated and easy way. See, how SA z/OS I/O-Operations can help you managing your FICON and ESCON directors, ports and channel paths and how it evolved!	Int
zSS23	DFSMS 1.10 Update	Scott Drummond	This session will review the new functions/features of the new preview announced release - DFSMS 1.10. We'll review new items in the categories - Scalability, Performance, Optimization, Networking and Ease of Use. Additionally, we'll review new storage hardware support provided by DFSMS.	Int
zSS24	IBM System z Storage Management Overview	Scott Drummond	This session will provide an overview of IBM's strategy for managing z/OS storage environments and some about z/VM. Details will be provided about each layer of the z/OS Storage Management strategy: Process management, IBM Service Management foundation and Operational management. We'll show how the strategic z/OS storage management product - OMEGAMON XE for Storage fits into the strategy and how the rest of the Tivoli z/OS Storage management portfolio works together to address common z/OS storage tasks and problem resolution. We'll also do a short review of Tivoli z/VM storage products.	Int
zSS25	TPC for Replication for System z overview	Scott Drummond	This session will introduce TPC for Replication for System z (a new z/OS based product) and how it can be used to manage Metro Global Mirror, Global Mirror, Metro Mirror & FlashCopy for the IBM System Storage DS8000, DS6000, ESS Model 800 and SAN Volume Controller (SVC). The speaker will also provide an update on the current status of TPC for Replication for System z.	Int

zSS26	Storage Administrator Open Systems Strategic Storage Products Overview	Scott Drummond	As many Storage Admins have responsibilities which includes Open Systems storage, we provide a high level overview of strategic IBM Open Systems System Storage solutions: Diligent / TS7650G ProtecTIER Deduplication Appliance, the XIV storage subsystem, the Tivoli Storage Manager R6 and Fastback announcements, Scale Out File Services, discuss IGS offerings for delivering Tivoli Storage Manager function as a Cloud-Computing deliverable, and preview SAN Volume Controller with solid state disk.	Int
zSS27	IBM DS8000 Global Mirror Performance Update	Dr. H. Pat Artis, Performance Associates Inc. and Victor T. Peltz, IBM Systems and Technology Group	This session will present the results of a recently-completed study of the IBM DS8000 Global Mirror asynchronous remote copy function while running various z/OS workloads. The evaluation was done using the PAI/O Driver® from Performance Associates Inc. and the workload characteristics were based on production workload profiles of actual user environments. The study compared the performance of these workloads with and without Global Mirror active and examined how the Consistency Group formation time varied with I/O load. The study also examined the recovery time required to re-establish system consistency under transient conditions such as partial loss of remote link bandwidth or sequential workload bursts.	Int
zSS28	The Past is Prolog: BC/DR Lessons, Planning, and some IBM Solutions	Victor T. Peltz, IBM Systems and Technology Group	The collapse of the New York World Trade Center towers and the flooding of New Orleans once again have brought into focus the importance of companies having a workable and practical Business Continuity Plan. This session will discuss some of the important lessons learned from these disasters and highlight IBM hardware and software that can assist in implementing economical solutions to achieve an appropriate level of protection. This session will be particularly useful to IT Managers and Administrators who are responsible for cost-justifying and developing IT BC/DR plans.	Int
zSS29	A Reexamination of z/OS Storage Taxonomies	Dr. H. Pat Artis, Performance Associates, Inc.	Since the inception of OS/MVT in the mid-1960s, volumes have been the cornerstone of storage management. While the introduction of system managed storage broke the bonds of application ownership, volumes are still viewed in terms of units of capacity, work units for storage administration, and as potential units of serialization in the I/O subsystem. This session will discuss the exploitation of HyperPAV managed aliases and Extended Address Volumes (EAVs) to define a new storage taxonomy for z/OS. This taxonomy applies the n-way ported memory model to storage performance and casts off the last vestiges of volume centric storage taxonomies.	Adv
zSS30	The Dawn of a New Storage Paradigm: Understanding the Impact of Flash Devices on z/OS	Dr. H. Pat Artis, Performance Associates, Inc.	While the introduction of storage subsystems comprised of commodity disk devices and large caches in the 1990s provided substantial improvements for both response time and cache-hit percentage, cache resistant workloads still present significant performance problems. Specifically, the vast majority of cache-misses are attributable to a small fraction of a subsystem's storage capacity. This session will explore the architecture of flash devices, discuss the identification of candidate datasets, discuss the potential performance benefits of flash devices, provide an overview of the potential processor utilization and workload license charges of improved I/O performance, and compare the life cycle costs of flash with traditional fibre channel disks.	Adv

z/VM and Virtualization

zVM01	Introduction to Virtualization: z/VM Basic Concepts and Terms	Bill Bitner	The increased interest in virtualization has resulted in many people investigating virtualization technology. Exploring a different technology has the challenge of being introduced to new terminology and concepts. With over 30 years of experience in virtualization, z/VM on System z is the premier enterprise solution. This session is designed for those who are new to z/VM, are back working on z/VM after being away from it for a few years, or are just confused about the concepts of virtualization. This session describes the basics of the virtualization in z/VM, the resources it can manage, and various other facilities it offers. Terminology that will be used in other z/VM sessions this week will be introduced and explained here. Even if z/VM is not the virtualization platform you will ultimately use, understanding it is helpful as it is often the benchmark used to judge others.	Bas
zVM02	z/VM Control Program (CP) - Useful Things to Know	John Franciscovich	If you are a systems programmer who is brand new to z/VM, you've been away from VM for a while and need a refresher, or you're just curious about z/VM, this session will provide useful information about the z/VM Control Program (CP). We'll start with an overview of CP and how it uses disk space, memory, and devices, followed by IPLing (booting) z/VM, defining virtual machines, virtual networking, and the various ways you can interact with CP. We'll conclude with an introduction to collecting diagnostic information for both testing and problem determination.	Bas
zVM03	z/VM Performance Introduction	Bill Bitner	Want to know everything there is to know about VM Performance? Well, I hope you won't be disappointed. We only have an hour in the session, so we cannot cover everything. However, you will learn the foundation and tools you need to tackle various performance problems. This presentation will cover configuration guidelines, monitoring, and tuning. Lots of pointers to additional information will be given so that you can learn even more on your own.	Bas
zVM05	z/VM Platform Update: Introducing z/VM V5.4 – Advancing the Art of Server Virtualization	Reed Mullen	This session will highlight the new functions available with z/VM V5.4. IBM's advanced server virtualization solution for IBM System z. z/VM V5.4, generally available since September 12, 2008, offers enhanced virtualization capabilities which include: dynamic memory upgrade, flexible specialty engine configuration support, and virtual server scalability enhancements. Find out how z/VM V5.4 can help you leverage your System z infrastructure for improved business results.	Int
zVM06	New Features of the z/VM 5.4 Hypervisor	John Franciscovich	Many new features have been added to the z/VM Control Program in the newest release of z/VM. These include additional virtualization support for Linux guests, scalability enhancements, enhancements to virtual networks and guest connectivity, and technological advances for IBM System z servers. Come to this session to hear about the newest features of the z/VM Control Program and how to use them.	Int
zVM07	Plunging into Pipelines	Rob van der Heij	The CMS Pipelines product has dramatically enhanced the productivity of CMS programmers. If you haven't yet begun using "Pipes", now is the time to take the plunge. To help you do that, this session will provide an overview of CMS pipelines and will introduce "pipethink", the concept of programming with pipelines. By the end of this session, you should be able to write single-stream pipelines to perform a great variety of tasks. You will also have learned how to write simple subroutine pipelines and simple REXX filters.	Int
zVM21	TCP/IP for z/VM Update	Tracy J. Adams	z/VM V5.4 includes TCP/IP Function Level 540, a new level of the TCP/IP Feature that delivers significant new functions. This session gives an overview of these enhancements, as well as describing the VM TCP/IP product and the changes to it that were introduced in Function Level 520 and 530.	Int
zVM22	Virtual Networking with z/VM Guest LANs and the z/VM Virtual Switch	Tracy J. Adams	Did you know that you can create virtual LAN segments that connect your z/VM guests together without the need for all those messy point-to-point connections? And did you know you can do that without creating new subnets? Come to this session to hear the latest on how, and when, to use z/VM Guest LANs and the z/VM Virtual Switch. We'll also talk about z/VM support for IEEE Virtual LANs (VLANs) and Layer 2 networks.	Int
zVM23	Link Aggregation with the z/VM Virtual Switch	Tracy J. Adams	Link Aggregation is a new feature of z/VM V5.3. Do you already using a z/VM Virtual Switch to manage your network connections? Do you want to find out how to get more out of z/VM Virtual Switch technology? Come to this session to learn how to make your backup OSA cards work for you by increasing your throughput and creating near seamless failover for your virtual network.	Int
zVM24	Migrating to the z/VM Virtual Switch	Tracy J. Adams	Converting your existing point-to-point or z/VM Guest LAN configurations to the z/VM Virtual Switch can appear to be a daunting task, but it's easier than you think. Here we'll talk about how to move subnet routing off of your z/VM system and onto your networking hardware where it belongs. We'll also talk about how to create IEEE VLANs on a Cisco switch. This presentation is a great way to bridge the buzzword gap between you and your network administrators.	Int
zVM31	Configuring, Customizing, and Modifying your z/VM System	John Franciscovich	What's a system configuration file? Where is the PARM disk? What's a SAPL? This session explains the system configuration file and other attributes that are used to IPL (boot) the z/VM Control Program (CP). Once your system is up and running, most changes to your CP configuration can be made dynamically without a system outage. We'll give you hints and tips for exploiting these capabilities and show you how to make dynamic changes to your CP configuration, including adding and removing resources and modifying some of the definitions that were used for your system IPL.	Int
zVM32	z/VM Security Update	Alan Altmark	This session provides detailed information about the security enhancements in z/VM V5.4. We will discuss the new CMS SSL server, LDAP updates, DIRMAINT interfaces to RACF, as well as the latest on Common Criteria certification activities.	Int

zVM33	z/VM Security and Integrity	Alan Altmark	IBM System z customers are familiar with the isolation, security, and integrity features that the hardware provides. However, many customers using z/VM for the first time are new to the world of Virtualization and seek reassurance not only that multiple virtual servers can share hardware resources efficiently, but that they run in a secure environment and comply with organizational IT security policies. This presentation is an overview of the security and integrity characteristics of z/VM. We will discuss how a secure environment is created, customer concerns and responsibilities, and IBM's commitments, including Common Criteria certification.	Int
zVM34	RACF Security Server for z/VM	Alan Altmark	Security isn't free. It requires a plan, a product, and a willingness to implement both. Come to this presentation to hear about IBM's RACF Security Server feature for z/VM. You'll find out about "profiles", "classes" and other cool stuff. Find out how the RACF will protect the data, the users, and the virtual servers on your z/VM system.	Int
zVM35	Security Zones in z/VM	Alan Altmark	In multi-tier network applications, there is usually the concept of "demilitarized zones", or DMZs, that each contain a set of servers. Each DMZ is separated from others by firewalls and by access policies to ensure that there is no unwanted user access or flow of data. Learn in this presentation how to properly build virtual DMZs and to integrate virtual servers into your existing DMZs. We will also discuss using the RACF Security Server on z/VM to prevent a "red zone" server from connecting to a "green zone" network or "green zone" data..	Int
zVM41	z/VM V5.4 Performance Update	Bill Bitner	The speaker will cover new developments in VM Performance. Topics include the latest z/VM release and performance related service. Performance related changes in z/VM 5.4 included changes to memory management, processor management, and network configuration. These and other changes will be covered in this session. Additionally, the session will look briefly at performance of z/VM on the z10 processor family.	Int
zVM42	z/VM System Limits	Bill Bitner	This session will take an in depth look at just how large or wide or tall can you grow a z/VM system. The session will also discuss the type of data you can look at to evaluate how close your system is to those limits. As we look at different subsystems (processors, memory, etc.), we will discuss theoretical and practical limits. Included will be a brief look at some of the ways IBM tests these limits.	Int
zVM43	z/VM Tuning Revisited with Specialty Engines	Bill Bitner	Beginning with z/VM 5.3, there is specialty engine support in z/VM. This includes simulation and virtualization of zAAP and zIIP specialty engines. z/VM 5.4.0 extended this support on utilize the z/VM Mode LPARs introduced with the z10 processor family. While this allows for many new virtual configurations, most of the tuning guidelines remain the same. However, the differences are important. This session will briefly review how scheduling and dispatching works in z/VM in terms of dispatch lists, share settings, and limit shares. The session will then continue with additional details on how these concepts change when specialty engines are in the mix, and the differences between z/VM 5.3.0 and z/VM 5.4.0 in these regards.	Int
zVM44	z/VM Performance Case Studies	Bill Bitner	This presentation will be a walk through a set of z/VM Performance Case Studies. The speaker will bring a collection of cases studies and through audience participation select two or three to look at in detail. The case studies range from memory related situations to I/O constraints to just a healthy system. In most cases, Performance Toolkit will be used in the analysis, but the concepts would apply on other tools as well.	Int
zVM46	Tivoli OMEGAMON XE on z/VM and Linux	Raymond Sun	z/VM is critical to growing use of software running on Linux guests. Managing this environment requires insight into resource consumption at the z/VM level and at the Linux guest level. IBM's product offerings provide an integrated way to monitor (and manage) these performance characteristics. This presentation will discuss the current offerings - functionally, as an integrated solution, with user scenarios, and within the larger system management infrastructure. It will also provide a roadmap for futures with the expectation of gathering advice.	Int

z/VSE

zVS01	z/VSE V4.2 News, hardware Support and MWLC Pricing	Wilhelm Mild	With z/VSE 4.2 the exploitation of the System z architecture and the possibilities of new Storage exploitation was made possible. The session shows the enhancements in z/VSE and how they can be used in modern IT environments and solutions with a competitive pricing.	Int
zVS02	z/VSE Tools, and usage	Wilhelm Mild	The z/VSE web site offers a high number of tools for download, at no additional charge. The tools are designed, to ease certain z/VSE tasks, to automate and help in new solutions. This session will provide an overview of each of the tools that are currently available on the VSE homepage. For every tool, a short description and usage scenario will be discussed.	Int
zVS03	Modern Eclipse based Development Environments for z/VSE	Wilhelm Mild	This session will show the possibilities of modern Development Environments for z/VSE based on Open Source 'Eclipse' technology. It includes how the Eclipse environment applies to COBOL and PL/I or Assembler development for z/VSE or how you can develop with 4GL Enterprise Generation Language, using the new IBM Rational Developer for System z and IBM Rational Business Developer.	Int
zVS04	Using SOA Web Services with z/VSE	Wilhelm Mild	z/VSE can participate in SOA environments and act as Web Services client and server. The implementation enables the use of existing CICS applications as Web Services. It also enables the call of an external Web Service from a CICS application on z/VSE. This session illustrates the use of these z/VSE capabilities and the latest news and enhancements of the z/VSE implementation. It also shows how to use the CICS2WS Tool to enable your CICS applications as Web Service.	Int
zVS05	The VSAM Redirector technology in z/VSE	Wilhelm Mild	The VSAM Redirector started as an integrated function in VSE for data propagation. It evolved to a technology for VSAM to relational data synchronization and incremental data processing. This session will highlight the possibilities and their flavors to replace FTP, to Normalize your VSAM data in multiple tables on a database or to populate a Data Warehouse - in real time.	Int
zVS06	Disaster Recovery and z/VM, z/VSE and Linux on System z Backup strategies - with Linux as central backup hub	Wilhelm Mild	New functions in IBM Total Storage products and concepts in z/VSE increase your flexibility for continuous operations, data recovery and disaster situations. This session shows you the options you have to exploit these concepts with IBM Storage Subsystems.	Int
zVS07	WebSphere MQ Series for z/VSE V3.0 exploitation and solution possibilities	Wilhelm Mild	Recently a new Version of WebSphere MQ Series for z/VSE V3.0 was released. This session will show the exploitation of the brand new WebSphere MQ Series for z/VSE V3.0, which opens the way to new possibilities of messaging communications across platforms and architectures. With WebSphere MQ Series, a whole lot of solutions can modernize your business and the door is wide open for z/VSE to be part of a modern SOA solutions for your Enterprise.	Int
zVS08	z/VSE Birds of a Feather	Wilhelm Mild	Birds of a feather open discussion.	Int

z/OS Implementation and Parallel Sysplex

zZS01	Introduction to z/OS USS open source software	Christian Strauer	This session gives an overview about the possibilities of using open source software on z/OS. It outlines different open source tools that can be used under the USS shell as well as aspects of using open source frameworks under Java.	Bas
zZS02	System z Hardware Configuration Definition (HCD) Update	Friedrich Beichter	In this session, the speaker will provide details of the latest HCD functions provided with z/OS 1.9, z/OS 1.10, and through Small Programming Enhancements (SPEs). Topics will include support of: - IBM System z Processors focusing on the System z10 EC and BC - Infiniband Coupling Links - Multiple Subchannel Sets Then, he will cover maintaining a change log file, automatic activity logging, report enhancements, and multi-user access to an IODF.	Int

zZS03	Hardware Configuration Manager (HCM) 1.8 through 1.10 Update	Friedrich Beichter	In this session, the speaker will first provide an overview of Hardware Configuration Manager (HCM), an optional element of z/OS and base element of z/VM. He will then discuss the new functions of HCM in z/OS 1.8 to z/OS 1.10 such as: <ul style="list-style-type: none"> - The copy I/O configuration wizards - How to compare IODFs and HCM configuration files - Integration of performance data - Automatic activity logging - Maintaining a master configuration file - New HCM report formats 	Int
zZS04	Mainframe Software Consolidation: A User Experience	Danilo Gipponi, EPV Technologies	In this paper we will report a real user experience. The initial needs were to consolidate the usage of a very wide spread and well known suite of software products, reducing its usage onto a single mainframe machine, mostly for cost reasons. We will show all the steps in order to make an assessment of its usage, regarding the consumption, the users and the used modules. After the assessment, we will show the capacity planning study to check whether we could afford the consolidation and what workload was going to be affected by the resultant CPU shortage. The end of story, with the achieved results, the expectations for the short term, and the long term plans at this site to further reduce the costs associated with this product suite.	Int
zZS05	z/OS Support for z10 EC and z10 BC Servers	Greg Daynes	Come hear about how to upgrade to a IBM System z10 server! This informative session will describe the software required to run on a new server (including cryptographic software) and any migration actions required to use the new server. This session will be of interest to systems programmers and their managers who will upgrade to an IBM System z10 Enterprise Class (z10 EC) or an IBM System z10 Business Class (z10 BC) server.	Int
zZS06	z/OS Maintenance Best Practices	Greg Daynes	Staying current on maintenance can be a key contributor to high availability. The IBM software maintenance strategy is geared to avoiding known critical problems, as well as minimizing new problems encountered. The strategy, and supporting infrastructure, has evolved in recent years. Come to this session to learn more about the best practices for installing z/OS service, with particular focus on why the recommendations are what they are.	Int
zZS07	What's New in SMP/E V3.5?	Greg Daynes	Have you ever installed a software product and wanted SMP/E to ensure all service recommended in the product's Preventive Service Planning Bucket was also installed? Have you ever prepared to install new hardware and wanted an easy way to install required software service? Did you ever want an easy way to tell SMP/E to install coexistence service or cross-product dependencies for a new z/OS release? If the answer to any of these questions is yes, then you just might be a system programmer. This session will explain how SMP/E and the software delivery offerings were enhanced to help automate and simplify those tasks. This support became available with z/OS V1.10. It is also available as part of SMP/E 3.5 which can be installed on top of all supported z/OS releases. Both products became available 26 September 2008.	Int
zZS08	Parallel Sysplex, STP and InfiniBand update	Iain Neville	This session provides an update on Parallel Sysplex enhancements, Server Time Protocol and InfiniBand connectivity solutions. During this session the speaker will articulate the most recent developments in these areas to achieve optimal connectivity solutions facilitating high availability and business continuity within the mainframe environment.	Int
zZS09	Migrating to z/OS R10 Part 1 of 3: Planning	Marna Walle	Thinking about migrating to z/OS R10? This session will cover many of the installation requirements for preparing for your z/OS migration. Included will be: <ul style="list-style-type: none"> - Content of the z/OS R10 - what is new, changing, and removed. And what will be removed in the future which you'll have to accommodate. - Ordering and deliverables - how long you can order z/OS R10 and the web deliverables available - Coexistence requirements - including the z/OS Coexistence/Migration/Fallback and Service policies - Driving and target system requirements - including both software and hardware - Some migrations actions you can perform now, on your current z/OS release. Attend session 'Migrating to z/OS R10 Part 2 of 3: Some Migration Actions' and 'Migrating to z/OS R10 Part 3 of 3: More Migration Actions' for specific migration tasks for z/OS R10. Preparing for your z/OS migration to the latest release can be started today, with this session's important information! 	Int
zZS10	Migrating to z/OS R10 Part 2 of 3: Some Migration Actions	Marna Walle	Want to know about the specific migration tasks for the latest and greatest z/OS release? Come to this session, where the migrations actions new for z/OS R10 will be covered when coming from z/OS R8 or R9. Included will be required migration tasks which were introduced in z/OS R10 from selected elements - BCP, C/C++, Communications Server, and ISPF. This session will be of interest to systems programmers and their managers who are migrating to z/OS R10, or through z/OS R10. It is strongly recommended that you attend 'Migrating to z/OS R10 Part 1 of 3: Planning' before attending this session.	Int
zZS11	Migrating to z/OS R10 Part 3 of 3: More Migration Actions	Marna Walle	This is part three of a three-part session that will be of interest to systems programmers and their managers who are migrating to z/OS R10. In the last part, remaining migration tasks from additional selected elements will be covered: DFSMS, Distributed File Service - zFS, Language Environment, JES2, JES3, TSO/E, and z/OS UNIX will be included. Also, some smaller helpful system programmer enhancements introduced in z/OS R10 (for when your migration is complete!) will be briefly discussed. It is strongly recommended that you attend 'Migrating to z/OS R10 Part 1 of 3: Planning' and 'Migrating to z/OS R10 Part 2 of 3: Some Migration Actions' before attending this session.	Int
zZS12	What's New in z/OS UNIX and What You Should Be Using	Marna Walle	This informative session will highlight many new and exciting features of z/OS UNIX System Services. The speaker will provide some useful information on how to use the new and useful features of z/OS UNIX System Services to benefit your installation. The discussion will include topics related to the File System, Kernel, and the Shell and Utilities functions of z/OS UNIX System Services, and even some zFS topics that are of interest. In addition some features available in z/OS UNIX that can help with system management capabilities will also be discussed - these are items that you may have missed, but are very helpful. Some basic knowledge of z/OS UNIX is assumed.	Int
zZS13	What's New in z/OS V1R11	Marna Walle	In this session, the speaker will provide an overview of the newly previewed facilities and features in z/OS V1R11. The speaker will discuss highlights that influence system integrity, scalability, performance, availability, management capabilities, security, application development, and usability planned for this release. Some important Statements of Directions will also be covered.	Int
zZS14	z/OS Release 10 and 11 Sysprog Goody Bag	Bob Rogers	In this session, the speaker will overview some of the 'little goodies' that have been included in the BCP and related elements of z/OS in the most recent release. Larger items are merely overviewed and may be covered more fully in other presentations but many items too small for a full presentation are also touched upon. This edition of the presentation covers items in z/OS 1.10 not covered last year and an introduction to z/OS 1.11. Topics will include: <ul style="list-style-type: none"> - Automatic StandAlone Dump and re-IPL - Allocation enhancements for large environments - Large Page Support - Hiperdispatch - Extended Address Volumes - Other important 1.10 items - Select 1.11 previewed items 	Int
zZS15	Getting the Most from z10 with z/OS Rel 10 and Rel 11	Bob Rogers	In addition to being a much faster processor than its predecessor, the IBM System z10 processor adds significant additional value in other dimensions. The latest releases of z/OS unlock much of this value. In this session, the speaker covers several of the new capabilities delivered by the z10 which are enabled by z/OS releases 10 and 11. These include: Automatic StandAlone Dump and re-IPL, Hiperdispatch, Large Page Support, Data Prefetch, and Hardware Instrumentation.	Int
zZS16	Using Extended Address Volumes (EAV)	Bob Rogers	In this session, the speaker provides an introduction to Extended Address Volumes (EAV), which are new in z/OS 1.10. Moving to an era of greater storage capacity in System z installations, an EAV provides four times the capacity of previous DASD volumes and an architecture that will support much larger volumes. The speaker identifies the DASD constraints that exist today, and describes how EAV addresses those constraints. The speaker also gives an overview of the exploitation, migration and coexistence items relating to the use of Extended Address Volumes.	Int
zZS17	IBM Tivoli System Automation for z/OS V3.2 - Overview and News	Raimund Thielker	Based on IBM Tivoli System Automation for z/OS (SA z/OS) release 3.2, new and enhanced functions were delivered over the last year. This session will discuss SA z/OS 3.2 and the enhancements.	Int
zZS50	Hardware Configuration Manager (HCM) Best Practices Using the Diagram (Hands-on Lab)	Friedrich Beichter	In this hands-on session, attendees will become acquainted with navigation and filtering techniques for the HCM configuration diagram including named views, and the reporting capabilities of HCM.	Bas
zZS51	Using SMP/E Advanced Functions: Hands-on Lab	Greg Daynes	Learn how to upgrade to SMP/E V3.5, and use the new FIXCAT HOLDDATA. You'll learn how to use the new SMP/E Explorer, and also how to use the new SMP/E REPORT MISSINGFIX command. If you are tired of manually looking at PTFs in PSP buckets, this is something you need to learn.	Int