Conference Directory

IBM System z™ Expo

September 17-21, 2007

San Antonio, Texas

IBM

September 17, 2007

Welcome to San Antonio and the IBM System z Expo!

This conference is devoted to IBM System z, the flagship of IBM Systems and the hub of the IT infrastructure, and to you, the skilled professionals who support the mainframe environment.

This week's conference will be information-packed and will feature in-depth sessions across multiple tracks so you can choose the sessions that interest and benefit you. Broaden your technical perspectives in many ways:

- Learn about new IBM System z models and innovative System z technology
- Bring yourself up to speed to migrate to IBM z/OS® V1.9, z/VM® V5.3, z/VSE™ V4.1
- Get the latest updates on IBM WebSphere® Application Server for z/OS, IBM DB2®, IBM CICS®, IBM IMS™ and IBM WebSphere MQ
- Hear exciting news in the world of System z security, IBM Service Oriented Architecture (SOA) and IBM Enterprise Service Bus (ESB)
- Open up to the possibilities of new workloads and applications with Linux® on System z
- Test drive solutions with our popular hands-on labs

Our presenters and exhibitors are fired up about talking with you, so do take advantage of networking opportunities that provide fresh ideas and insights into solutions that can work for you. You have the opportunity to learn directly from product developers, customer experiences and industry consultants. Remember to take time to visit the exhibitors at the product Solution Center and mix with your peers.

On behalf of the IBM Corporation, I thank you for your time and attendance at the IBM System z Expo. We value your business and we are dedicated to providing you with the very best in education, training and skill development. If I, or any of the IBM staff, can be of assistance to you, please do not hesitate to ask.

Enjoy the Expo, and have a pleasant stay in San Antonio!

Dick Kendrick

Dick Kendrick
System z Technical Education
IBM Systems and Technology Group

P.S. Save these dates for the 2008 IBM System z Expo in Las Vegas - October 13-17, 2008.

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General Information

Hotel Information
Marriott Rivercenter Hotel
101 Bowie Street
San Antonio, Texas 78205
Phone: 210/223-1000 Fax: 210/223-6239

Marriott Riverwalk Hotel
711 East Riverwalk
San Antonio, Texas 78205
Phone: 210/224-4555 Fax: 210/224-2754

Hotel check-in time is 4:00 PM and checkout time is 12:00 PM. Late checkout requests are at the discretion of the hotel based on availability and should be directed to the hotel front desk.

Expo Registration
Expo Registration and Information will be located on the Concourse Level (2nd floor) of the San Antonio Convention Center on Sunday through Friday. There will be a message board available during normal registration hours. It is highly recommended that callers leave any non-urgent messages for conference participants on their hotel room voicemail. Hours of operation for Expo Registration are as follows:

Sunday	3:00 PM - 7:00 PM
Monday	7:00 AM - 5:30 PM
Tuesday	7:30 AM - 5:30 PM
Wednesday	7:30 AM - 5:30 PM
Thursday	7:30 AM - 5:30 PM
Friday	7:30 AM - 12:00 PM

Expo Name Badge
Your name badge must be worn and visible for admittance to all scheduled sessions and meal functions.

Expo Schedule
The Expo begins with breakfast at 7:30 AM Monday morning in the Marriott Rivercenter Grand Ballroom. **Please join us at 9:00 AM for our Opening General Session and keynote address in the Marriott Rivercenter Grand Ballroom.**

Following Monday's breakfast and Opening General Session, all remaining meals and sessions for the week will take place in the San Antonio Convention Center. Individual sessions will run daily and, in some cases, are repeated. Please review the Expo Agenda and Directory in your registration materials. Please also check the conference message board at the registration desk for any session changes that may occur. The Expo concludes at 11:50 AM on Friday.

Session Handouts
Hard copy of the handouts will be available in the breakout rooms. Presentations will also be posted on the IBM Learner Portal (http://eb90.elearn.ihost.com/wps/portal/stg) and will be available until October 21. On the Learner Portal Log In page, click the Self-Register With An Access Code hotlink and when prompted, enter the following Access Code: STGSEP07CONUS

Solution Center & Exhibitor Presentations
All Expo attendees are invited to meet with the exhibitors during scheduled Solution Center hours and exhibitor presentation sessions. Detailed information on our participating Exhibitors and Sponsors, Solution Center hours of operation, receptions and Exhibitor sessions and presentation abstracts can be found in the Expo Agenda and/or Directory.

Certification Testing
Certification tests will be offered daily and scheduled time slots will be on a first-come, first-served basis in Room 212-A. There is a fee for Certification exams, with payment via credit card only. See the flyer provided in your registration materials for additional information.

Cyber Café
Come to Room 208 for your high-speed access needs. This room will be open daily during the hours published in the Agenda. Bring your laptop along, or use one of the Internet accessible systems available in the Cyber Café.

Expo Session and Overall Evaluation Forms
Session evaluation forms will be available for your completion at each session attended. Please complete and submit in the basket located at the door of each breakout room. You will receive an Overall Expo Evaluation form on Thursday. Please complete this form before the Expo ends and drop it off at the Registration Desk to receive a small gift as a token of our appreciation for participating! Your feedback is important to us, and we thank you in advance for your input.

Meal Functions/Social Event
Breakfast will be served Monday through Friday; lunch will be served Monday through Thursday, with daily refreshment breaks available Monday through Friday. Please see the Agenda for times and locations of all meal functions and refreshment breaks. Meals and refreshment breaks are for registered Expo participants only. There is no official spouse or guest meal program for this conference; however, the hotel concierge can assist you in providing details on local restaurants and area attractions.

The Expo Social Event will be on Wednesday evening, September 19, at Pedrotti's North Wind Ranch. Registered Expo participants may attend complimentary. You must wear your Expo badge to attend this offsite event. Guest tickets may be purchased at the IBM Expo Registration Desk during scheduled hours of operation. Guests must be over 21 years of age to attend. The cost is $75 per ticket. Payment can be made by cash, personal check or traveler's check only. Transportation to Pedrotti's North Wind Ranch will depart the Marriott Rivercenter Hotel at 6:30 PM.

Attire
Business casual attire is appropriate for all Expo participants. Please bring a sweater or light jacket for your personal comfort as meeting room temperatures can vary.

Expenses
You are responsible for your own travel, lodging and Expo charges. Lodging and incidentals charged to your room are to be paid to the hotel upon checkout. The Expo enrollment fee covers registration, conference materials and admission to all scheduled sessions and meals served during the Expo.

If you need a receipt for your Expo registration fee, please call 1-800-IBM-TEACH during business hours.

Smoking
The San Antonio Marriott Rivercenter and Riverwalk hotels and the San Antonio Convention Center are smoke free. Please refrain from smoking inside these locations. We appreciate your cooperation.

Cell Phones, Pagers and Electronic Devices
Please turn off all cell phones, pagers or other electronic devices when you attend sessions, as they are very distracting to both the speaker and the other attendees. We appreciate your cooperation.

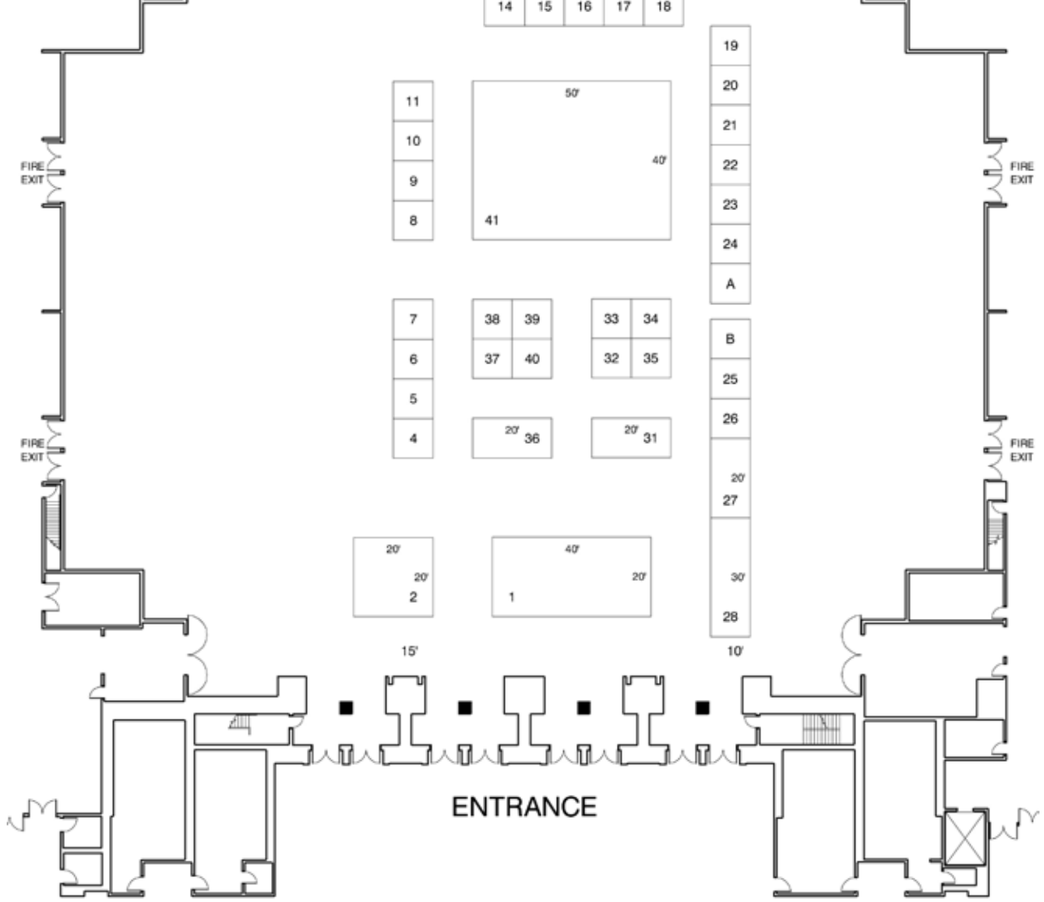
Emergency Care
For any emergency at either your hotel or the San Antonio Convention Center, dial 0 for an operator who will put you in touch with security.

Lost and Found
Any items found by the Expo staff, hotel or convention center personnel will be turned over security. Attendees should contact security for any items lost during the Expo.

Solution Center Hours

Monday, September 17, 2007		
5:30 PM – 7:30 PM	Solution Center Reception	Ballroom C
Tuesday, September 18, 2007		
11:50 AM – 1:00 PM	Solution Center Open	Ballroom C
5:30 PM – 7:30 PM	Solution Center Reception	Ballroom C
Wednesday, September 19, 2007		
11:50 AM – 1:00 PM	Solution Center Open	Ballroom C

Solution Center Map



Solution Center Exhibitors

Platinum Sponsors	
Brocade	Booth 28
Levi, Ray & Shoup, Inc.	Booth 1
Gold Sponsors	
BMC Software	Booth 31
CA, Inc.	Booth 2
Cisco Systems, Inc.	Booth 27
Optica Technologies Incorporated	Booth 36
Silver Sponsors	
Ciena	Booth 5
Red Hat	Booth 4
Exhibitors	
Action Software International	Booth 39
ADVA Optical Networking, Inc.	Booth 35
AES	Booth A
Alebra Technologies, Inc.	Booth 21
Barr Systems, LLC	Booth 26
CSI International	Booth 23
DataDirect Technologies	Booth 20
DTS Software, Inc.	Booth 34
ETI	Booth B
illustro Systems International, LLC	Booth 9
Innovation Data Processing	Booth 38
IntelliMagic, Inc.	Booth 7
ISM	Booth 8
Mainline Information Systems	Booth 37
Mainstar Software Corporation	Booth 40
MVS Solutions, Inc.	Booth 18
NewEra Software	Booth 33
OpenTech Systems, Inc.	Booth 25
Phoenix Software International	Booth 24
PKWARE, Inc.	Booth 17
SEGUS, Inc.	Booth 15
Software Diversified Services	Booth 22
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Velocity Software, Inc.	Booth 32
William Data Systems, LLC	Booth 6
z/Journal	Booth 14
IBM Exhibitor	
IBM	Booth 41

Sponsor and Exhibitor Directory

Platinum Sponsors:

Brocade – Booth 28
www.brocade.com
Sponsoring
Reception on Tuesday
Coffee Break on Thursday morning

Brocade® (Nasdaq: BRCD) provides the industry's leading platforms, solutions and services for intelligently connecting, managing and optimizing IT resources in shared storage environments. By developing innovative Storage Area Network (SAN) and File Area Network (FAN) solutions, Brocade helps organizations increase efficiency, reduce costs and maximize their data assets. To ensure the most complete solution, Brocade also delivers a wide range of unique services offerings. Together, IBM and Brocade have pioneered the Storage Area Network (SAN) market with a comprehensive family of SAN infrastructure solutions that enable entry to enterprise scalability, advanced performance and monitoring and compatibility with your environment.

Levi, Ray & Shoup, Inc. – Booth 1
www.vps.com
Sponsoring
Reception on Monday
Coffee Break on Tuesday morning

Enterprise Output Management tools from LRS are in use by leading companies around the world to reduce costs and complexity, increase efficiency and guarantee security. LRS has 25 years of expertise providing highly scalable, reliable output server solutions to handle large volumes of documents and varieties of data streams. LRS solutions centralize managing of enterprise print operations, providing assured delivery to a variety of devices. Capabilities include document capture, data stream transforms, remote output management and support for destinations such as network printers, fax servers, email, archives and Web browsers.

Sponsor and Exhibitor Directory

Gold Sponsors:

BMC Software – Booth 31
www.bmc.com
Sponsoring
Lunch on Tuesday
Coffee Break on Wednesday morning

The BMC® MAINVIEW® line of products delivers business-centric zSeries® systems management and intelligent optimization for your mainframe infrastructure. BMC® MAINVIEW, combined with other BMC products and solutions, enables Business Service Management (BSM).

CA, Inc. – Booth 2
www.ca.com
Sponsoring
Lunch on Thursday
Coffee Break on Thursday afternoon

CA (NYSE: CA), one of the world's leading independent, enterprise management software companies, unifies and simplifies complex information technology (IT) management across the enterprise for greater business results. With our Enterprise IT Management vision, solutions and expertise, we help customers effectively govern, manage and secure IT.

Cisco Systems, Inc. – Booth 27
www.cisco.com
Sponsoring
Lunch on Monday
Coffee Break on Wednesday afternoon

Cisco is the worldwide leader in networking that transforms how people connect, communicate and collaborate. Cisco networking solutions are the foundation of the networks for business, education and government. The Cisco Data Center Network Architecture is an integrated set of technologies that form a network-based platform for IT organizations to transform a data center infrastructure into a more responsive, resilient and cost-efficient business asset.

Optica Technologies Incorporated – Booth 36
www.opticatech.com
Sponsoring
Lunch on Wednesday
Coffee Break on Tuesday afternoon

Optica Technologies offers proprietary IBM mainframe protocol conversion, mainframe data encryption and fiber transport solutions for both mainframe and fibre channel environments. Our charter is to provide enterprise data centers with investment protection, operational flexibility and ease of migration to new technologies. Solutions include the Prizm FICON® to ESCON® Converter for native FICON to native ESCON conversion, and the Eclipz™ ESCON Tape Encryptor, the industry's first in-line native ESCON encryption solution.

Sponsor and Exhibitor Directory

Silver Sponsors:

Ciena – Booth 5
www.ciena.com
Sponsoring
Breakfast on Wednesday
Coffee Break on Monday afternoon

Ciena, a global leader in advanced optical network systems, provides certified WDM and storage extension network solutions for GDPS/STP, zOS Global Mirror, Metro/Global Mirror and other IBM replication applications. Ciena solutions provide unprecedented flexibility with programmable architectures that enables transport of any mix of data center protocols with maximum efficiency.

Red Hat – Booth 4
www.redhat.com
Sponsoring
Breakfast on Tuesday
Coffee Break on Friday morning

From the desktop to the data center, the security, stability and reliability of Red Hat Enterprise Linux 5 delivers unbeatable value for today's business leaders.

Sponsor and Exhibitor Directory

Exhibitors:

Action Software International – Booth 39
www.actionsoftware.com
- Product execution tracking and control
- Change Tracking and Control
- Reference Tracking
- System command tracking and control
- ussACTION supports HFS and zFS files

ADVA Optical Networking, Inc. – Booth 35
www.advaoptical.com
ADVA Optical Networking (FSE: ADV) is at the forefront of providing Optical+Ethernet solutions that advance next-generation networks for data, storage, voice and video services.

AES – Booth A
www.aesclever.com
CleverView Solutions (proactive network performance and availability solutions) maximize the efficiency of critical TCP/IP network and Web site resources vital to Enterprise Business Process Management.

Alebra Technologies, Inc. – Booth 21
www.alebra.com
PDM/zOpenGate allows you to achieve unprecedented processor efficiency and data transfer speed in managing your data sharing requirements between z/OS and UNIX®/Windows®/Linux servers.

Barr Systems, LLC – Booth 26
www.barrsystems.com
Barr Systems has a long history of helping customers integrate mainframes into their networks. Our solutions provide inexpensive connectivity via SNA, B&T, IP and ESCON.

CSI International – Booth 23
www.e-vse.com
CSI International is an Independent Software Vendor (ISV) providing software and consulting solutions to customers who use IBM's mainframe operating systems and related products.

DataDirect Technologies – Booth 20
www.datadirect.com
Software middleware acting as mainframe integration architecture for real-time mainframe data connectivity and process optimization in support of Business Intelligence and SOA initiatives.

DTS Software, Inc. – Booth 34
www.dtssoftware.com
Our Suite of products called Storage Control Center (SCC) include:
SCC-MONitor (MON); SCC-Explorer/GUI; SMS/Debug; Easy/Exit; Space Recovery System (SRS); Allocation Control Center (ACC); DLimit

ETI – Booth B
www.eti.com
ETI offers a complete range of bi-directional, high performance data integration products to address synchronization, migration, data quality and SOA needs for the mainframe.

Sponsor and Exhibitor Directory

illustro Systems International, LLC – Booth 9
www.illustro.com
Come see live demos of Web-enabling and XML/SOA software to enable your mainframe. New z/IPMon TCP/IP Software for VSE will also be shown.

Innovation Data Processing – Booth 38
www.fdr.com
FDRMOVE an exciting new solution for minimally-disruptive data set move and volume consolidation combing non-disruptive FDRPAS move technology, FDRInstant high-performance replication and proven FDRCOPY reliability.

IntelliMagic, Inc. – Booth 7
www.intellimagic.net
Safely get more I/O performance out of your hardware with the IntelliMagic disk and tape performance and sizing tools.

ISM – Booth 8
www.perfman.com
PerfMan for z/OS (Performance Management and Reporting, Capacity Planning and Modeling) shows you how to increase efficiency and reliability in your IT systems.

Mainline Information Systems – Booth 37
www.mainline.com
Mainline will provide the focused attention only a local solution provider can deliver, but with the backing and support of a solid, 18-year IBM relationship.

Mainstar Software Corporation – Booth 40
www.mainstar.com
Mainstar Software Corporation, founded in 1978, provides innovative data access solutions for OS/390® and z/OS. For more information, visit www.mainstar.com.

MVS Solutions, Inc. – Booth 18
www.mvssol.com
ThruPut Manager Automation Edition is as complete a strategic solution to manage batch as can be created, ensuring SLA's are met, system performance is maximised.

NewEra Software – Booth 33
www.newera.com
Image FOCUS has added new applications to its proven inspection, evaluation and monitoring processes that improve detection and reporting of changes made to critical system components.

OpenTech Systems, Inc. – Booth 25
www.opentechsystems.com
DR/Xpert automates the identification, backup, auditing and recovery of critical application data on your mainframe - ensuring rapid recovery from disaster or local data loss.

Phoenix Software International – Booth 24
www.phoenixsoftware.com
(E)JES is a system management tool for monitoring, managing and controlling your z/OS JESplex. (E)JES supports both JES2 and JES3 environments.

Sponsor and Exhibitor Directory

PKWARE, Inc. – Booth 17
www.pkware.com
PKWARE's data-centric security products enable organizations to ensure the security and portability of data internally and exchanged with partners across all major platforms.

SEGUS, Inc. – Booth 15
www.segus.com
Specializing in add-on products around IBM Tivoli's® Workload Scheduler, SEGUS helps companies leverage their software investments. Our products include: SmartIS, SmartJCL, TWS/Graph, TWS/WebAdmin and DSN/Change.

Software Diversified Services – Booth 22
www.sdsusa.com
VIP is the best real-time, low-overhead network monitor for IP on z/OS. SFM provides monitoring of FTP traffic and security controls for z/OS FTP Servers.

Software Engineering of America – Booth 10
www.seasoft.com
Data Center Management including JCL Management, IT Asset Management, DASD Data Management, RACF Security Management, Output Management, Tape Media Management and Console Automation.

Trident Services, Inc. – Booth 11
www.triserv.com
Improved throughput management, JCL selector criteria for batch resource routing, job classing functions, Enhanced RACF password controls, Limit Concurrent Execution of programs, HSM Data Set recalls.

Vanguard Integrity Professionals – Booth 16
www.go2vanguard.com
Vanguard Security Solutions™ deliver security administration, intrusion management and compliance reporting solutions. Over 500 enterprises rely on Vanguard's software to protect their critical data assets.

Velocity Software, Inc. – Booth 32
www.velocitysoftware.com
The complete performance package for Linux, TCP/IP and z/VM.

William Data Systems, LLC – Booth 6
www.willdata.com
With its suite of network management tools, WDS enables customers with high-volume operations to monitor and secure their networks, and troubleshoot and resolve associated problems.

z/Journal – Booth 14
www.zjournal.com
z/Journal is the only independent, how-to magazine exclusively focused on IBM mainframe computing environments for IT Managers and Technology Professionals.

Sponsor and Exhibitor Directory

IBM Exhibitor:

IBM – Booth 41
www.ibm.com
1-888-SHOP-IBM (1-888-7467-426)

The Power of many, the simplicity of one.

Visit IBM Booth 41 to see the IBM System z capabilities designed to help simplify your infrastructure. IBM continues to invest in software for the System z platform, adding new functionality to the z/OS, z/VM, z/VSE and z/TPF systems and core middleware as well as an ever broadening portfolio of System z tools. And, with advanced virtualization capabilities, System z servers running Linux can empower you to accomplish more with fewer resources. Achieving high levels of security, availability and efficiency within your infrastructure doesn't have to be a complex undertaking. System z9™ can help provide comprehensive security solutions, higher server utilization, lower cost of ownership and cost-effective, secure data serving that quickly provides value across the entire enterprise.

IBM Software brands offer products, solutions and services to help you find the competitive edge and overcome the challenge of doing business in an on demand world. Learn about Tivoli system management, Data and Information Management and WebSphere solutions for System z. Hear about System z support of Service Oriented Architecture (SOA) - an important IT architectural style that allows you to integrate your business through the linking of services - and how to leverage the mainframe SOA applications and see an example of Insurance Infrastructure. IBM recently launched Destination z, the online community that brings together Business Partners, Resellers, Independent Software Vendors, Systems Integrators and academic institutions to offer a broad set of resources, and to provide a vast array of information geared to IT executives, developers and technical staff in a single stop. Hear about how IBM Advanced Client Technology (ACT) Centers can assist with solutions, designs, availability, benchmarks and Utility computing.

Maximize your IT investment with IBM Technical Training by choosing from thousands of courses delivered via classroom, e-learning or blended learning formats. Speak with our Education specialists to hear about the offerings for System z and how to optimize your IT skills. Learn how the System z offering of the IBM Academic Initiative provides colleges and universities with educational resources to enhance the IBM System z skilled resource base and help students develop practical skills that enable them to find good jobs quickly upon graduation.

The friendly IBMers in IBM Booth 41 look forward to talking with you this week. And when you return home, be sure to visit these IBM Web sites to keep apprised of System z enhancements.

IBM: www.ibm.com
System z: www.ibm.com/systems/z/
Software: www.ibm.com/software/os/systemz/
Destination z: www.ibm.com/systems/z/destinationz/

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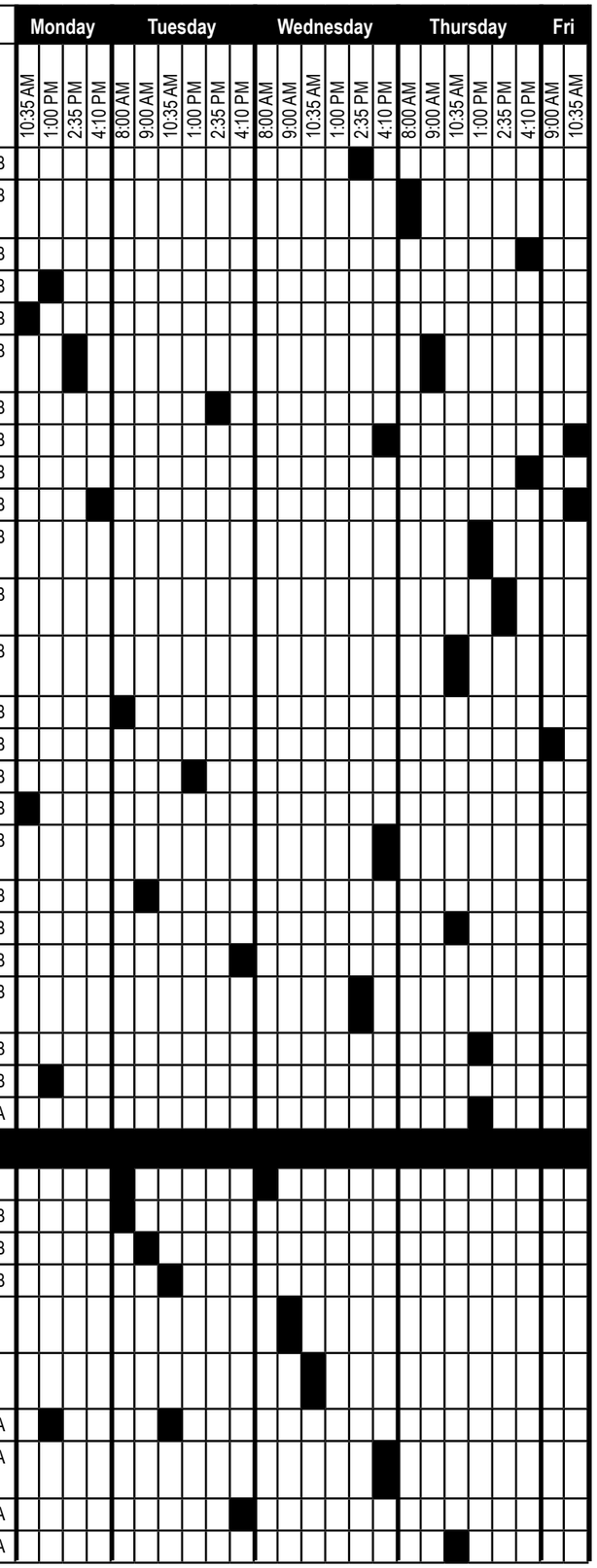

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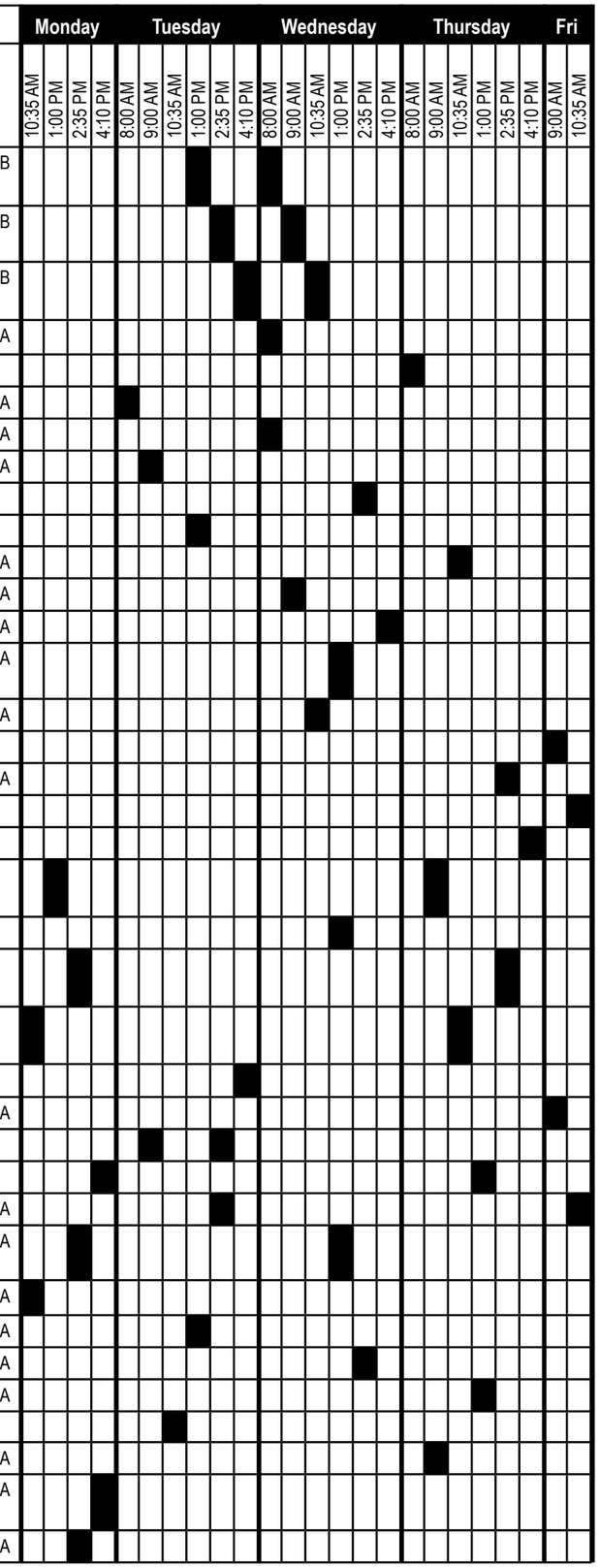

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K01 Client Leadership in an On Demand World – System z and the Role of the Mainframe

Robert Hoey, Vice President, IBM System z Sales Worldwide

The IBM System z family has been designed from the ground up to help you improve IT optimization while at the same time reducing costs. The IBM System z9 Enterprise Class (z9 EC) has been designed with the support of more than 40 years of industry leadership and investment. With the announcement of the IBM System z9 Business Class (z9 BC), we have made available world-class security, performance and reliability to customers for whom the mainframe was previously out of reach from a cost perspective. Customers are increasingly interested in leveraging the mixed workload capability of the System z platform and specialty engines as an alternative to a single application server model of computing because they need to reduce total IT costs, improve server utilization rates and reduce power and cooling requirements. In this keynote presentation, Mr. Hoey will discuss IBM System z for today and tomorrow, extending mainframe qualities of service across the enterprise.

Level: All Levels

General System z Technology and the On Demand Data Center

G01 IBM System z9 Enterprise Class Overview and Update 2007

John Hughes, IBM

Come to this session for an update on and a technical overview of the IBM System z9 Enterprise Class (EC) server. Learn about the new functions and features made available in May 2007 that have updated the former z9-109 to become the z9 EC. Learn about the system design, physical CEC structure, I/O capabilities and architectural changes that take System z9 EC (2094) far beyond z900 and z990 to support up to 54 configurable processor units, nearly twice maximum z990 CP capacity, up to 512 GB of memory, up to 60 LPARs, enhanced book availability and enhanced driver maintenance. Get the latest information on new z9 EC support for the on demand era including updates to Capacity Backup, On/Off Capacity on Demand and Customer Initiated Upgrade Express. This session provides a complete technical introduction to the z9 EC. It has been updated for zExpo 2007 but does include some material previously presented at zExpo in 2006.

Level: Standard

G02 IBM System z9 Business Class Overview and Update 2007

John Hughes, IBM

Come to this session for a technical introduction to the IBM System z9 Business Class central processor complex. The z9 BC was introduced in May 2006 and is the newest midrange IBM System z server. This presentation will also cover updates available in May 2007. Learn about the exciting new z9 BC central processor complex design, physical structure, model structure and architectural changes that take z9 EC far beyond z800 and z890 to support up to seven configurable processor units, additional granularity, the System z9 Integrated Information Processor (zIIP), up to 64 GB of memory, up to 30 LPARs, enhanced driver maintenance and new cryptographic function. Get the latest information on new z9 BC support for the on demand era including enhancements to Capacity Backup, On/Off Capacity on Demand and Customer Initiated Upgrade Express. This session will also discuss the I/O infrastructure capabilities of the z9 BC machine and how it provides enhanced availability over previous generation processors.

Level: Standard

G03 IBM System z9 LPAR Advanced Topics

John Hughes, IBM

Come to this session to learn about the newest enhancements in logical partitioning (PR/SM LPAR) technology introduced on the newest IBM System z mainframes, especially the IBM System z9 Enterprise Class (2094) and the all new IBM System z9 Business Class (2096). The focus will be on support for up to 60 partitions, up to 32 logical processors per partition, new weighting and dispatching capabilities introduced with System z9, support for the new System z9 Integrated Information Processor (zIIP), new LPAR controls and configuration in support of z/Architecture®, Parallel Sysplex function, z/OS.e, z/OS IRD, z/OS WLC, Linux and concurrent memory and processor upgrades (CUoD, CIU, CBU and On/Off CoD). Attendees should be familiar with PR/SM LPAR concepts. This session has been updated for zExpo 2007 and includes function introduced in May 2007.

Level: Advanced

G04 System z9 FICON Express4 Update and Performance Benchmarks

Connie Beuselinck, IBM

This is an overview of the newest generation of FICON features - FICON Express4. We'll cover the latest functions introduced, native FICON support as well as FCP (connectivity to SCSI devices) and the switches/directors supported. A technical paper on FICON Express4 channel performance is now available. The contents of this paper will be discussed including the MIDAW facility, 64 versus 32 open exchanges and FICON CTC measurement results.

Level: Standard

G05 System z9 – Navigating the Host Bus

Connie Beuselinck, IBM

This session will address how traffic navigates the Self-Timed Interconnect (STI) host bus. We'll show you how the data flows from the server to the I/O cage and out to the Coupling Facility, the SAN and the LAN. This session covers all of the protocols that utilize System z9 STI resources – Crypto, ESCON, FICON, ICs, ICBs, ISC-3 and OSA. This is an overview session.

Level: Standard

G06 System z9 OSA-Express2 Update and Performance Benchmarks

Connie Beuselinck, IBM

This session includes the newest OSA-Express2 enhancements – the functions new in 2007. We'll also cover the results discussed in the System z9 OSA-Express2 performance technical paper. We'll review the OSA environments – SNA/APPN/HPR, TCP/IP, OSA for NCP and OSA-ICC (3270 support). Included will be examples of a Layer-3 versus a Layer-2 environment.

Level: Standard

G07 System z Extended Distance Solutions

Connie Beuselinck, IBM

This session will address the protocols tested and supported by the System z interoperability laboratory. We'll cover the extended distances supported for FICON/FCP directors for Storage Area Network (SAN) connectivity as well as extended distances supported using Wavelength Division Multiplexers (WDM) in support of GDPS solutions. We will also discuss use of multimode fiber versus single mode fiber based upon a white paper coauthored by the presenter. We'll discuss the use of OM3 50 micron fiber optic cabling.

Level: Standard

G08 Platform Choice Basics

Frank DeGilio, IBM

Every time an application gets deployed, someone must decide what platform should be used. Back in the old days, this was done by the application programmer who coded the application for a specific platform. With the advent of containers, the application programmer is no longer part of the decision. So how do you decide where an application should be placed? Who makes the decision? What data should be used to make that decision? What are the ramifications of the decision? This session helps people understand what should be done to set the baseline for platform choice. It will give you a base methodology for making informed decisions.

Level: Basic

G09 Myths and Realities: The Role of the Mainframe in the Enterprise

Frank DeGilio, IBM

Since the 1980's when client server reigned supreme in the enterprise, the mainframe has been a bad word. When discussing the role of the mainframe, critics would roll out the same tired old reasons why the mainframe was a poor choice in the enterprise. This session will discuss the myths that are used to minimize the mainframe in the enterprise and detail the real truths. It will allow you to understand and debunk the myths that surround enterprise use of the mainframe.

Level: Basic

G10 Top-Ten Server Availability Lessons Learned

Harriet Morrill, IBM

Come to this session to understand why, even though IBM reports "mean times between failure" for its System z9 hardware in decades and 99.999% availability for parallel sysplex configurations, customers still have multi-hour outages that severely impact their business and their perception of System z and IBM. Learn what they, and we, can do to help to prevent this.

This presentation answers this question by giving the top-ten lessons learned that apply across all server platforms, illustrating them with real-life examples for System z. It talks about the most common mistakes clients make, but also takes the positive view, providing best practices gleaned from best-of-breed System z clients and from the System z and z/OS development and product service teams. It also gives examples of IBM services and other follow-on opportunities that field teams have used to help clients implement recommendations. The chart deck includes an appendix with other IBM server brand and Linux HA recommendations.

Level: Standard

G11 HCD Update for System z Processors

Maurice McCullough, IBM

You still have a z900, z800 and are thinking about going to a z990 or z9. You recently installed a SYSPLEX or are planning to go to a SYSPLEX and want to know how to configure a CF and/or CF links. This session will cover major differences and enhancements for going to newer processors and going to a SYSPLEX. Also covered in this session will be the difference between the new HCD panels.

Level: Standard

G12 HCD CHIPID Mapping Tool for System z Processors – Hands-on Lab

Maurice McCullough, IBM

New to HCD and want to understand how to build an LPAR configuration? Or you are experienced in HCD and need to learn how to use the IBM CHIPID mapping tool? Or just want some hands on using the HCD dialogs? This lab session will allow the attendee to pick and choose which topic that they need more experience with. Basic HCD understanding is helpful, but not mandatory.

Level: Standard

G13 System z Tape and Encryption: An Update

Maurice McCullough, IBM

This session will give the audience a high-level overview on how z/OS is using SME for tapes. The TS7700 is the newest z/OS tape subsystem available for tape encryption. This session will cover high-level encryption on this product as well.

Level: Standard

G14 IBM's Latest Tape Environment – A Garanti Technology Implementation and Migration Experience

Meral Temel, Garanti Technology

In this session, the speaker will share the experience of implementing both a TS7740 Hydra and a TS3500 Tape library with TS1120 drives while migrating more than 45,000 9840C/B/A and 5,000 3490 Storagetek cartridges to these IBM's latest tape solutions. The speaker will explain in detail the implementation phases of TS3500 Tape Library 3953 L05 frame, TS1120 Tape drives and Hydra starting from the HW installation configurations, continue with SW definitions up to management and performance monitoring steps. Also discussed, tools and methods used and key points while managing IBM tape solutions with success. Will give brief feedback to attendees who are already using and who are planning to follow up with IBM's latest tape technology. In the last part of the session, the speaker will provide a goody bag of tape environment management tips.

Level: Standard

G15 HMC Update for System z Processors

Eric Weinmann, IBM

In this session you'll learn about new and updated features of the System z Hardware Management Console (HMC) and Support Element (SE). Our primary topics will include:

- Web-based Tree Style User Interface for the SE
- LDAP Support
- z/VM Virtual Machine Management
- eBusiness on Demand (eBoD)
- Enhancements to the zHMC Tree Style User Interface
- New and Updated Education Modules

Level: Standard

G16 System z HMC 2.9.n Test Drive – Hands-on Lab

Brian Hatfield, IBM

Come on in and take the HMC for a test drive - whether you are new to the System z HMC or not. Follow step-by-step lab instructions or go on your own test drive. The HMC will be connected to an actual mainframe system. Try your hand using the System z HMC in areas such as:

1. Setup, assign ID and passwords for local or remote users
2. Setup HMC for remote access and allow user to choose UI style
3. Use either classic style or Tree style interface to:
   - Identify activation profile setup for LPAR activities
   - Create and edit RESET and IMAGE profile settings

Level: Standard

G17 IBM System Storage™ Overview for the System z Environment

Curtis Neal, IBM

In the current IBM Disk System product line, one size does not fit all. There are several families of IBM System Storage products that are designed to meet the needs of the System z series. This session will review the various families and provide an overview and introduction to the sessions on specific products.

Level: Standard

G18 Disk Mirroring Fundamentals

Curtis Neal, IBM

This tutorial will introduce the concepts associated with Local and Remote Disk Mirroring. Topics include: Synchronous and Asynchronous Remote Copy, Consistency Groups and an introduction to operational automation as an integral component of a comprehensive disaster recovery plan.

Level: Basic

G19 IBM DS6000™/DS8000™ Implementation for System z

Curtis Neal, IBM

The DS8000 family of disk systems brings the best-of-breed attributes including massive scalability, industry-leading performance and capability for the System z environment. This session will discuss these system's features, how to successfully apply the products and some newly announced capabilities along with discussing best practices for setting up the DS8000 for optimized performance.

Level: Standard

G20 System z Storage Management Strategy

Scott Drummond, IBM

This session provides an overview of the IBM System z Storage Management strategy and how it ensures existing and future investments are well positioned to satisfy growing business demands. Details are provided about each layer of the IBM System z Storage Management strategy: Process Management, IBM Service Management Foundation and Operational Management.

Level: Standard

G21 New Workloads on System z with Better Sizings

John Campbell, IBM

In this session you will learn how to get better sizing results for new workloads on z/OS and Linux for System z using important lessons learned from sizing engagements in 2005 and 2006. This session will help you understand the key metrics used in sizings and how important it is to provide the correct input for the sizing. John will demonstrate the key points with real examples. New workload sizing capabilities for System z which are new in 2007 will also be identified.

Level: Standard

G22 TCO: Comparing System z and Distributed Environments – A Customer's View

Marlin Maddy, IBM

This presentation compares the cost of System z and distributed servers from a customer's perspective. Using several real customer case studies, this presentation compares the "real" cost of ownership issues in developing an "apples to apples" comparison. The topics of chargeback, utilization, power/facilities along with hardware, software, people and quality of service are all addressed.

Level: Standard

G23 System z and Specialty Engines: The Business Case for Future Consolidation

Marlin Maddy, IBM

This presentation focuses on the cost of ownership advantages of implementing specialty engines on System z. The proliferation of infrastructure, application and database servers in customer environments are causing significant increases in cost and complexity. IT executives are looking for a simpler and more cost-effective solution and System z specialty engine strategy may be the answer. The presentation will include real customer consolidation examples.

Level: Standard

G24 REXX™ PARSE: It Slices! It Dices! ...

William Sheckler, IBM

PARSE is the most powerful keyword instruction in REXX. Using a PARSE template, a REXX programmer can process character or hex strings by words, columns, search strings or any combination of them all. Most programmers are unaware of the more powerful features of the PARSE instruction, or are intimidated by their apparent complexity. This presentation will step through increasingly complex templates, demonstrating the simple yet elegant structure beneath. By the end of this presentation, you will be able to slice and dice your data like a sushi chef, extracting exactly the data you need.

Level: Advanced

G25 Using EXECIO and the Stream I/O Functions in REXX

William Sheckler, IBM

Traditionally in TSO/E, the EXECIO command has been the only way to read and write data sets from within a REXX program. Now, though, with the freely downloadable REXX Stream I/O Function package from IBM, performing I/O in REXX under TSO/E can be done in much the same way as performing I/O in REXX on other platforms. This session will discuss the EXECIO command, examine the Stream I/O concept and describe the use of the Stream I/O functions.

Level: Advanced

G26 z/TPF Update

Jeff Van Minde, IBM

New and existing transaction oriented businesses can benefit from z/TPF's proven efficiency, reliability and availability. z/TPF can manage extreme transaction volumes, processing tens of thousands of transactions per second from hundreds of thousands of end users. Stop by and find out the new functionality and enhancements to this proven OLTP IBM zSeries operating system.

Level: Standard

G27 Your Boxes Are Up – So What? There's More to Availability!

Frank Rodegeb, IBM

People often equate high availability with server uptime. The availability of servers (and other components) is obviously a necessary element of a highly-available information technology infrastructure. But it is hardly sufficient. Here's a broader perspective. In particular, we discuss what is necessary to achieve high availability at the level of service to business users.

Level: Standard

G28 Attracting Young Developers to the Mainframe Using Eclipse-based Tooling

Laurence England, IBM

There is this stereotype about the gray-haired mainframe guy surrounded by a cloud of magic because he still knows about one of the last mysteries in the world: the mainframe. But what will happen if he ever retires? The lack of young mainframe skills became urgent during the last years. Most students from universities don't have any mainframe skills at all, instead of COBOL, PLI and Assembler they know C/C+ or Java; instead of JCL they compile using a right-click; instead of ISPF they use graphical user interfaces on the workstation like the open source product Eclipse, which is the most popular application development environment in the world. WebSphere Developer for zSeries offers them an Eclipse-based tool to develop COBOL, PLI or Assembler (as well as C/C++ and Java) using the same look and feel they have in Eclipse, providing all required host functionalities like job control or host debugging in one single interface.

Level: Standard

G29 IBM Fee Service Offerings for System z Software

Anna Lee, IBM

Not enough resources to perform planning, installation, configuration and migration kind of work? Tired of going through the repetitive cycle of systems maintenance and deployment? Don't know what are the best practices to lay down your z/OS System or running Linux under z/VM? IBM has good news for you. IBM offers fee service offerings which can offload you from your routine, mundane work. From single system to parallel sysplex systems, from z/OS to Linux on System z, IBM Global Technology Services provides you the right solution so that you can perform your task cost effectively and with the shortest implementation time. Come to this session to hear what IBM Global Technology Services has to offer for you.

Level: Standard

G30 System z Technology Trends

Robert Rogers, IBM

IBM does not normally discuss unannounced products, but looking at recent developments often sheds light on the future. This presentation touches upon a number of current trends with and eye to see where they may bring the System z platform. These trends include increased capacity and constraint relief for processors and storage, specialty engines, data serving as well as "community" initiatives that IBM has undertaken. It also takes a look at IBM's current statements of direction for the platform.

Level: Standard

G36 System z Skills for Tomorrow: The IBM Academic Initiative at West Texas A&M University

H. Paul Haiduk, West Texas A&M University

What are universities doing to prepare the next generation of mainframe professionals? The IBM System z Academic Initiative provides colleges and universities with educational resources to help students develop practical mainframe skills. Come hear how the Department of Computer Science at West Texas A&M University is developing a comprehensive mainframe curriculum to help their students meet the demands of our industry.

Level: Standard

G51 The Business Value of System z Virtualization Leadership

Reed Mullen, IBM

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 solving the "server sprawl" problem. Perception is not always reality. This session will explain why System z virtualization support offers higher 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.

Level: Basic

G52 Introduction to REXX: Hands-on Lab – Part 1

Christine Casey, IBM and John Franciscovich, IBM

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 in Session G53.

Level: Basic

G53 Introduction to REXX: Hands-on Lab – Part 2

Christine Casey, IBM and John Franciscovich, IBM

This session is a continuation of Session G52.

Level: Basic

G54 Java™ for the Beginner: Java Programming Hands-on Lab – Part 1

Theresa Tai, IBM

This session is an introduction to Java Programming. We will answer the questions - "What is Java?" and "What can Java do?" We will also cover basic Java code construct, syntax and the opportunity to explore Eclipse IDE (Integrated Development Environment). This session will include an introduction to Eclipse by using the famous "Hello World" Java application to create a Java project and a Java class. The students will then try out a hands-on lab exercise on their own to write entry-level Java applications. While short breaks will be taken, some of the break time may be used for lab exercises.

Note: This session will begin at 8:00 AM.

Level: Basic

G55 Java for the Beginner: Java Programming Hands-on Lab – Part 2

Theresa Tai, IBM

This session is a continuation of Java Syntax and Lab from Session G54. The speaker will cover looping constructs (for, while and do-while), array list as well as exception handling and common problems. This session will include more hands-on lab exercises using basic Java class and methods in the Eclipse development environment. The students will have the opportunity to be more comfortable with the Eclipse workspace by navigating through Java perspective (views and editors) in Eclipse workbench window, switch between perspectives and workspace, auto-generated method stub, Java exception syntax check, add Java exception breakpoints and the console area.

Level: Basic

G56 Java for the Beginner: Java Programming Hands-on Lab – Part 3

Theresa Tai, IBM

This session is a continuation of Java Syntax and Lab from Session G55.

Level: Basic

L77 IBM Transformation: Major IT Consolidation Initiative

Kevin D. Ingwersen, IBM

As a piece of IBM's Project Big Green, IBM has announced a global shift to Linux on the mainframe. This session focuses on IBM's consolidation program moving thousands of distributed application architecture servers to about 30 zSeries systems. Listen to how IBM's efforts will save 80% on energy consumption, while realizing significant savings in labor and software costs while dramatically accelerating speed to market, increasing operational availability while running on a world-class secure environment.

Level: Basic

– Personal Development Sessions (G6x) –

G60 Are You Listening?

Mark Meredith, IBM

We do it all day long, yet 80% of all communication problems are caused by poor listening. In this highly interactive and entertaining session, you will learn tools and techniques which will enhance your listening and communication skills. You will also experience ways to ensure that people are listening better to what you have to say. Special emphasis will be spent on listening as an effective skill when negotiating and enhancing your influence on others.

Level: Basic

G61 Collaboration

Mark Meredith, IBM

Collaboration is an added dimension of teamwork that helps drive greater individual and team performance. So what is collaboration and how does it differ from teamwork? This workshop explores the concept of collaboration through experiential learning and using personal development tools that will build skills and improve trust at both individual and collective levels.

Level: Basic

G62 Growing Your Leadership Skills

Mark Meredith, IBM

What does it take to be an effective leader in today's IT environment? What are the new environmental business conditions that everyone in a leadership role needs to know? This fast-paced presentation explores what leadership is, how it's viewed within IBM through the lens of leadership competencies and what three critical skills are needed to develop one's competencies in this arena. Practical tools are presented on how to handle organizational ambiguity, manage complex systems and communicate with colleagues on a variety of levels to drive more effective business results.

Level: Basic

G63 Innovation

Mark Meredith, IBM

A Fortune 50 executive exclaimed that Innovation occurs at the intersection of invention and insight. Learn how to apply the formula "Collaboration + Productivity = Innovation" to help create new ways to solve challenging business issues. Tools and techniques will be explored that will heighten awareness and confirm that everyone can be more innovative.

Level: Basic

G64 Memorable Meeting Management

Mark Meredith, IBM

How many of us have attended face-to-face meetings or conference calls in which there was no clear agenda, not much was accomplished, those critical to the meeting didn't attend and no meeting minutes were kept? Memorable Meeting Management delivers the nuts, bolts and hidden gems of successful meeting management in a unique and entertaining way. Those attending will leave with all they'll need to be memorable meeting managers.

Level: Basic

G65 Sharing Leadership in Your Team

Mark Meredith, IBM

Outstanding leaders recognize that they can't do "it" all on their own when it comes to accomplishing business objectives. The good news is that aspiring leaders can also develop this skill through the concept of shared leadership. This session provides an opportunity for leaders at all levels to understand how sharing leadership within an organization can actually enhance team performance.

Level: Basic

Building a Service Oriented Architecture Using System z

A01 Practical SOA: Introduction and Overview

Don Bagwell, IBM

In this session we give a no-nonsense introduction to SOA. Our goal is to help you make sense of all the terminology and concepts using straightforward pictures and common sense language. We explain the concept of a "service" and then extend that to "Service Oriented Architecture". Then "Web Services" is introduced, along with "Enterprise Service Bus" (ESB). This session gives background for the other "Practical SOA" units that follow.

Level: Basic

A02 Practical SOA: Web Services and System z – WebSphere, CICS, IMS and DB2

Don Bagwell, IBM

We dig into what "Web Services" is by exploring the meaning of terms like SOAP, WSDL and UDDI. Then we explore how key programs on System z support Web Services -- WebSphere Application Server, CICS, IMS and DB2. What this provides is a good grounding in how to "expose" existing applications and resources such as Web Services as a first step towards SOA.

Level: Basic

A03 Practical SOA: IBM Enterprise Service Bus on System z

Don Bagwell, IBM

Web Services is still "point to point" unless something acts as a message intermediary. That something is "the ESB." But what exactly is the ESB? In this session we'll explore the Enterprise Service Bus in practical, physical terms. Then we see two IBM products on System z that implement the ESB -- WebSphere Enterprise Service Bus (WESB) and WebSphere Message Broker (WMB). Both provide what is in essence a "message handling application runtime" environment, which means some of our focus is on the capabilities of the programs we can write to handle messages between service requesters and service providers.

Level: Basic

A04 Practical SOA: Business Process Management on System z and SOA Strategies

Don Bagwell, IBM

We finish up this "Practical SOA" series with an overview of "Business Process Management," which is the act of programmatically coordinating multiple services and tasks so a defined "process" can be performed. (Example: a mortgage loan application goes through a multi-step process before money changes hands. Imagine that process being coordinated by software.) That software is WebSphere Process Server (WPS). We wrap it all up with a discussion of strategies for approaching SOA and getting started with it.

Level: Basic

A05 SOA Application Prototyping Experiences on System z

Mitch Green, IBM

The Life Insurance Infrastructure Showcase demonstrates the value of System z technology in support of Service Oriented Architecture (SOA) enabled applications. The demonstration centers around a composite application that incorporates IBM infrastructure, seven ISV partner products and the use of WebSphere work process choreography to orchestrate the selling of Variable Universal Life policies to clients in 30 minutes instead of 4 weeks. This application is run at production volumes with four separate background workloads. Using Tivoli monitors, clients see the use of specialty engines (e.g., zAAP), managing planned outages and resilience during unplanned outages.

This presentation will describe the architecture, design, development and operation of this Infrastructure Briefing, its deployment on the System z9 and how the various partner software, portal applications and process choreography components were integrated. The presentation includes experiences that may help those thinking of implementing a pilot SOA application running primarily on System z hardware and zOS and Linux on System z operating systems.

Level: Standard

A06 Developing and Supporting SOA Solutions on System z

Karen Smolar, IBM

Are you wondering what's different about SOA and what that means on System z? This session will provide an overview of SOA and the various infrastructure components on System z. It will discuss how the system, infrastructure and application components work together to provide the robust, flexible solutions we expect from System z. We'll also discuss how the development, test and support compares to traditional solutions.

Level: Basic

A07 Guidelines for Choosing Your ESB Products

Karen Smolar, IBM

There are several choices for implementing an Enterprise Service Bus with IBM products, including WebSphere Message Broker, WebSphere ESB and WebSphere Datapower Appliances. This session will explore those options and provide guidance on appropriate implementations. There will be some overview of the products themselves. Most of the time will be spent comparing and contrasting the implementations and discussing examples.

Level: Basic

A08 An Introduction to the IBM Systems Director Family

Annette Miller, IBM

In November 2006, IBM announced the Systems Director strategy for managing the systems platform infrastructure. This session will provide an introduction to the IBM Systems Director Family. The Systems Director Family provides systems platform management as well as components for workload management and cost determination. Some of the products were introduced to the market previously as the IBM Virtualization Engine platform. As customers move to virtualize their systems, management has become an important consideration. The Virtualization Engine platform has evolved into the Systems Director family, providing functions for seeing and managing both physical and virtual infrastructures. These products provide the capability to monitor, manage and discover resources in many operating systems, including: z/OS, Linux, i5/OS®, AIX®, Windows, Solaris and HP-UX.

Level: Standard

A09 What is IT Service Management and ITIL?

Annette Miller, IBM

Is your organization talking about ITIL or IT Service Management? Do you know what Service Management is? ITIL is the IT Infrastructure Library and using a set of best practices, is the most widely accepted approach to IT service management in the world. This session will provide an introduction to ITIL. In addition, this session will introduce IBM Service Management and the role of the products in a service management implementation. While the design is comprehensive, IBM Service Management is built with an adaptive, modular approach for pragmatic implementations by customers based on their business needs and priorities. With the service implementation platform, best-of-breed operational management products, automated process management as well as best practices and services, IBM Service Management brings people, processes, information and technology together for businesses to deliver service excellence and innovation. This session will focus on the service management platform and the operational management products.

Level: Basic

A10 Including z/OS in Business Service Management

Clayton Ching, IBM

Business Service Management has been gaining ground across the enterprise. The two management disciplines: Systems and Services. The Systems management discipline can be defined as traditional and time-honored and is defined as - Business Systems Management: An IT Operations Management discipline focused on mapping IT infrastructure to business service dependencies (e.g., How will the outage of a particular server affect our Web-banking services?) Business Services Management is relatively new and is defined as - A Business Management discipline focused on using tools to better understand business performance (e.g., How are my call centers performing in terms of queue lengths, customer drops, time on hold, time on calls and customer satisfaction?). This session illustrates both Systems and Services management in z/OS.

Level: Standard

A11 WebSphere Application Server for z/OS as a Foundation for Other Functionality: XD, ESB, WPS, Etc.

Hilon Potter, IBM

WebSphere Application Server has grown beyond being just another application server. This session will provide an overview of how WAS is being used as a base component in both IBM and non-IBM solutions. Have you ever heard the term "Embedded WebSphere" and what it means to some products going forward? Although this session will not go into any technical depth but rather provide an overview, the target audience is operations personnel.

Level: Standard

A12 DB2 for z/OS in a Service Oriented Architecture

Peggy Zagelow, IBM

DB2 for z/OS V8 supports a number of SOA capabilities, and this session will offer an update on how IBM customers are benefiting as they upgrade to V8 and fully exploit these rich functions. We will start with an introduction to SOA to provide a level set for us, and then look at some current capabilities. Features of DB2 9 for z/OS, which help enable an SOA, will also be described and then how to access DB2 data and stored procedures via Web services. Come learn about the benefits of each of these technologies, along with tips on how to select the right method for your requirements and best practices for deployment.

Level: Standard

A13 Integrating CICS Applications into an SOA

Leigh Compton, IBM

Service Oriented Architecture (SOA) is an application framework that breaks down business applications into individual business functions and processes called "services." An SOA lets you build, deploy and integrate these services independent of applications and the computing platforms on which they run, making business processes more flexible.

CICS Transaction Server V3.1 puts CICS in the heart of your SOA implementation. This session addresses common architectural decisions to be made while moving CICS applications to a Service Oriented Architecture. Areas discussed will include service granularity, tight versus loose coupling, where to expose services and where to process XML. You'll also learn about strategic CICS connectivity options and when each of these options is appropriate.

Level: Basic

A14 IMS and SOA: Building On Demand Services

Kenny Blackman, IBM

Service Oriented Architecture has emerged as the center of architecture discussions for the interoperability of systems in heterogeneous environments. The reuse of existing applications is a major business driver in many SOA projects. The requirement to integrate traditional transaction processing database systems running on System z such as IMS has resulted in a steady increase in demand for System z applications and data. This session will discuss the System z role in SOA with focus on the topics:

- How the IMS TM Resource Adapter can be used to support Service Oriented Integration to mediate between SOA and IMS TM applications.
- How the IMS DB Resource Adapter can be used to support the integration for access to IMS DB data.
- How IMS applications can access EJBs/MDBs.

This presentation shows how RAD and WebSphere tooling can be used with the IMS Resource Adapters for constructing, assembling and deploying service-based applications that access IMS assets. This session is intended for customers who are planning and designing SOA solutions that make use of System z assets.

Level: Standard

A15 Integrating Green Screen Applications in SOA Implementations Using HATS: Case Studies

Anthony Lewitt, IBM

Do you have legacy "green-screen," zSeries 3270 or iSeries® 5250 applications that you would like to integrate with other heterogeneous applications in an Service Oriented Architecture implementation? This session will use case studies to introduce the Web Services capabilities of WebSphere Host Access Transformation Services (HATS) that enable you to create Web Service interfaces to existing applications that are currently accessed through 3270 or 5250 terminal emulation without having to change the existing applications. Web Services provide a standard interface to key transactions and business logic contained in the existing applications allowing you to programmatically integrate them in SOA-based business process automation and integration applications.

Level: Standard

E32 SOA and z/VSE: Implementing SOA Using Web Services and Tools

Wilhelm Mild, IBM

Service Oriented Architecture (SOA) is the concept for new, modern solutions. We'll see how the concepts of SOA can be used to generate Web Services from existing CICS Applications and the tool that brings SOA close to VSE. The CICS2WS Toolkit is a "charge" development tool that reads WSDL files and Copybooks, and enables VSE to act as a Web Service provider (server) and as a Web Service requestor (client) in an SOA environment.

Level: Standard

E34 SOA and CICS Workshop

Wilhelm Mild, IBM and Ingo Franzki, IBM

Installation/implementation of CICS remote access is the focus in this workshop. You'll see how you can access CICS applications and data from remote systems using CICS Web Support, IBM CICS Transaction Gateway and Web Services (SOAP). We will show you how to set up both your z/VSE system and workstation environment for this access.

Level: Standard

System z Security

S01 Introduction to Crypto

Greg Boyd, IBM

This session will cover the basics of cryptography and how the IBM hardware and software provide the infrastructure to support crypto on the System z platform. We'll start with a review of the basic crypto functions that are used to provide authentication, data security and integrity. We will review the IBM hardware and the crypto capabilities of each, and look at some of the products that use crypto on the System z.

Level: Basic

S02 System SSL and Crypto

Greg Boyd, IBM

This session will review the SSL protocol and how it uses both Public Key Architecture and Symmetric algorithms to provide secure communications. We'll look at the IBM crypto hardware and which devices support the SSL protocol and finally consider the performance implications of the SSL workload. We'll also touch on TLS and IPSEC and how they complement or overlap System SSL.

Level: Standard

S03 System z Cryptographic Data Protection

Ernie Nachtigall, IBM

Protecting information that has been collected for valid business reasons is as important as each of us not divulging our own private information. With the emphasis on privacy and particularly thwarting identity theft, the IBM mainframe zSeries has provided various solutions to protect data within the enterprise and also while that data is in transit either to a Business Partner, to an archive site or to a disaster recovery site. This double length session explores the crypto capabilities of the zSeries, the IBM Encryption Facility, TotalStorage tape encryption, and TotalStorage® disk encryption.

Level: Advanced

S04 Security for System z, the Enterprise Data Hub

Rich Guski, IBM

RACF, PKI, Kerberos, LDAP, Communications Server, WebSphere and heritage applications - this presentation takes a survey view of z/OS security and the rich set of functions that have evolved in reflection of the flexibility and richness of z/OS itself. Besides adding clarification to your understanding of the topology of z/OS security today, the presenter will discuss enhancements announced for z/OS V1R9 plus important trends that are expected to affect the future.

Level: Standard

S05 Introduction to Identification and Authentication Mechanisms

Rich Guski, IBM

The concepts of Identification and Authentication as well as the related concept known as identity context form an important cornerstone of any modern computing resource security environment. If you are new to the computer security discipline and you would like to learn some fundamentals about these concepts and their place "in the larger scheme of things," this is a presentation you should plan to attend.

Level: Basic

S06 z/OS Communications Server Security Update

Alfred Christensen, IBM

One of the main attributes of the System z platform is security. This session will discuss how the mainframe platform and z/OS security is extended to include secure IP networking access to z/OS. This session will discuss how to protect the operating system platform from malicious attacks through the IP network and will also discuss 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), IP filtering, Intrusion detection and prevention (IDS), securing application access through authentication and encryption using SSL/TLS - will all be introduced and explained at an overview level.

Level: Standard

S07 RACF® Update

Mark Nelson, IBM

This session reviews the latest enhancements to RACF, starting with RACF dynamic features, password enhancements, password phrases, WHEN(CRITERIA(SQLROLE(....))) support and the latest enhancements with z/OS V1R9m and more!

Level: Standard

S08 Using RACF to Control Access to DB2 Data

Mark Nelson, IBM

Choosing between using native DB2 and RACF for controlling access to DB2 objects requires an understanding of how RACF and DB2 work together. This introductory overview session describes how to use RACF to control access to DB2 resources. You will see how RACF eliminates DB2's cascading revocation and automatic deletion of access control rules when a DB2 object is deleted and how RACF allows the definition of access rules before a DB2 object is created. This session includes discussions of the latest in enhancements in DB2 Version 9: The Trusted Context and Role-based access control. This session is a must for anyone who has ever wanted to consolidate their DB2 access control policy and manage it using RACF.

Level: Advanced

S09 A Holistic Approach to Getting Started with RACF in a z/OS Environment – Part 1

Rob Weiss, IBM

Here's a new slant on RACF and Security through a standards-based approach to securing your z/OS environment with RACF. The session is structured around ISO-17799-2. This double session will address most aspects of the typical z/OS environment, including JES2, JES3, Networking, CICS, IMS and DB2. The concepts can be easily extended to non-IBM products. It is presumed that you already have a working knowledge of RACF, its commands and the z/OS environment.

Level: Advanced

S10 A Holistic Approach to Getting Started with RACF in a z/OS Environment – Part 2

Rob Weiss, IBM

See abstract for Part 1.

Level: Advanced

S11 Introducing TDS for z/OS (Tivoli Directory Services for z/OS)

Jack Jones, IBM

The LDAP Server for z/OS was first introduced as part of the Security Server in OS/390 2.4. It has gone through many major enhancements over the years. In z/OS V1R5, the LDAP Server was moved into the Integrated Security Services of z/OS. Now a new LDAP server has been delivered for z/OS V1R8 and is integrated in z/OS V1R9. This LDAP server is part of the IBM Tivoli Directory Server component of z/OS V1R8 and will be available in addition to the LDAP server that is currently already shipped as part of the Integrated Security Services component of z/OS. This presentation explains the additional capabilities of the new LDAP server. This presentation also discusses migration considerations for moving from the current LDAP server to the new LDAP server and describes how data can be shared between both servers in a Sysplex environment.

Level: Standard

S12 Plug-and-Play Security Administration for z/OS: A User Experience

Jack Jones, IBM

This is a user's experience with an attempt to get a handle on security administration in a large outsourcing environment. This session will document the phases and struggles, from design to implementation, as this customer migrates their customers' applications into a J2EE world with a Web-based front end. This session will only cover the security architecture portion of this migration effort and will center the discussion on user administration, authentication and authorization within the new environment. The dream walk includes the user's fantasy and final reality of making several different IBM security components work together. Finally this session will compare the initial objectives which were based upon the marketing documentation with the final results.

Level: Standard

S13 IBM Consul Product Update for z/OS

Jack Jones, IBM

Early in 2007, IBM bought Consul, a security company that specializes in RACF value-add components as well as enterprise-wide compliance tools. This presentation will discuss these new products to the IBM System z security environment and explain how they fit into the IBM security strategy to extend the strength of System z security into the enterprise.

Level: Standard

S14 Common Holes in RACF Defenses

Robert Hansel, RSH Consulting Inc.

"We have RACF but are we protected? What are the auditors likely to find?" This session will attempt to answer these questions by identifying and describing the control weaknesses we encounter most often during our RACF security assessments. We will help you determine whether you have any of these particular weaknesses and offer you recommendations for addressing them. We will also discuss the control concerns related to each of these weaknesses to help you make the case for corrective action.

Level: Standard

S15 Exploring the RACF FACILITY Class

Robert Hansel, RSH Consulting Inc.

This presentation will explore the potpourri of profiles found in the FACILITY class. You will learn about all the IBM products that use the FACILITY class, the resource names they use and briefly what capabilities these resources provide. They encompass UNIX System Services, storage administration, GDDM, DITTO and JES to name but a few. Here is your opportunity to finally find out what all these profiles are about.

Level: Standard

S16 RACF Performance Tuning

Robert Hansel, RSH Consulting Inc.

Learn how to make RACF operate at peak efficiency. This session will discuss the options, features and implementation strategies that can either improve or degrade performance. Techniques for reducing I/O to the RACF database, shortening the RACF decision path and optimizing memory consumption will be described. Included will be a discussion of the Global Access Table, RACLIST and RACF database reorganization.

Level: Advanced

S17 Introduction to PKI Services

Wai Choi, IBM

This session will provide an overview of a new component called PKI Services which also provides certificate support. The discussion includes how it is related to RACF and how it is different from RACDCERT. PKI Services provides a full PKI life cycle management, including Certificate Revocation support. Some decision points choosing between RACDCERT and PKI Services to generate certificates will also be discussed.

Level: Basic

S18 New Digital Certificate Support in V1R8 and V1R9 from RACF and PKI Services

Wai Choi, IBM

This session will provide an update on the new certificate support in V1R8 and V1R9 from RACF and PKI Services which includes Writeable key ring, Simple Certificate Enrollment Protocol (SCEP), RACDCERT support on multi-byte UTF8 distinguished names, automatic certificate renewal and other miscellaneous updates.

Level: Standard

S19 PKI Services: Hands-on Lab

Wai Choi, IBM

In this lab session, the user will do some customization on the PKI Services template file and configuration file. The participants can request browser certificates through the machines provided and install them in the browser. They can also request server certificates, starting from generating a certificate request using RACDCERT. They can perform some administrator's functions to query the requests and the certificates. The participants can revoke the certificate they created and query the certificate status through Certificate Revocation List (CRL) and Online Certificate Status Protocol (OCSP).

Level: Standard

S20 Extending RACF into the Distributed Space

Frank DeGilio, IBM

Traditionally security has been split between multiple user registries and multiple security management domains. This has made security a difficult prospect as applications have to cross multiple domains. This session will show how RACF can be leveraged in the distributed space. This allows RACF administrators to manage WebSphere distributed applications using the same tools that they use to manage resources within z/OS. It will show how to build an environment that can leverage authenticators that do not rely on RACF to feed into the RACF domain.

Level: Standard

S21 ICSF Installation, Setup and Customization

Greg Lambert, IBM

In this session, we will present an overview of the ICSF installation, setup and customization to efficiently access the various cryptographic hardware on z890, z990 and z9 processors. The focus will be on enabling hardware function typically used by IBM Middleware.

Level: Standard

S22 How System z Security Addresses the Payment Card Industry Standard (PCI)

Jack Jones, IBM

PCI-DSS (Payment Card Industry Data Security Standards) have been around for a few years now, but it was not until TJX had their recent disaster that enforcement of the standards became critical. Now retailers, banks and any company that processes or handles credit cards is subject to audits and inspections by certified PCI assessors - and the penalties are seemingly extremely high. This session will review what PCI is and what is expected to meet its standards. Then the speaker will discuss how System z and z/OS can be used to address some of the PCI requirements and demands.

Level: Standard

S71 z/VM Security Update

Alan Altmark, IBM

This session provides detailed information about the security enhancements in z/VM V5.3. We will discuss mixed-case passwords, password phrases, LDAP, directory commands and enhancements to the support for SSL/TLS in TN3270E, FTP and SMTP.

Level: Standard

S72 RACF Implementation and Configuration for z/VM V5.3

Gary Detro, IBM

Attend this session and see the step-by-step process of implementing Resource Access Control Facility (RACF) Feature for z/VM on your z/VM V5.3 system. This implementation overview provides the z/VM system programmer with a guided tour of the RACF Program Directory. Discussion of what optional steps really should be performed and more importantly how you perform those steps when implementing RACF on your z/VM V5.3 system for the first time.

Level: Standard

S73 Securing Linux with RACF on z/VM

Alan Altmark, IBM

In this session we will discuss the new z/VM LDAP server how to use it with the z/VM RACF Security Server. Learn how to create a shared user name space and authenticate Linux users against the RACF database!

Level: Standard

S74 A Holistic Approach to Getting Started with RACF in a z/VM Environment

Rob Weiss, IBM

Here's a new slant on RACF and Security through a standards-based approach to securing your z/VM environment with RACF. This session is structured around ISO-17799-2. This session will address most aspects of the typical z/VM environment, including common service machines. The concepts can be easily extended to non-IBM products. It is presumed that you already have a working knowledge of RACF, its commands and z/VM.

Level: Advanced

E55 z/VSE Security Concepts and News – Auditing

Ingo Franzki, IBM

This session provides an introduction to z/VSE security concepts. It includes CICS and batch security, plus connector and network security. It will cover the standard RACROUTE interface, as well as z/VSE security concepts in an open and heterogeneous world where z/VSE may be connected to anyone and everyone. It will cover new security features first introduced in z/VSE V3.1.1, plus z/VSE V4 enhancements like the new auditing features.

Level: Standard

E56 z/VSE Security Exploitation with Crypto Hardware

Ingo Franzki, IBM

This session shows how z/VSE security features like SSL (Secure Socket Layer) can be exploited. It contains step-by-step instructions on how to create keys and certificates for use with SSL. In addition, this session will describe z/VSE cryptographic capabilities, including Crypto Express2 and CP Assist for Cryptographic Function (CPACF). This session also covers z/VSE's support for the TS1120 encrypting tape drive.

Level: Standard

Begin with the Basics

B01 Demystifying the System z Mainframe: A Technical Overview – Part 1

Brian Hatfield, IBM

Are you new to the mainframe or recently returned to the large system environment after a several year absence? New servers, terminology and technology got you confused? Have you been told that it's necessary to move and process large amounts of data and I/O, but never given a clear explanation as to how it works? Want an overview of the latest mainframe System z technology, operating systems, processing power, terminology and how the hardware architecture is utilized to achieve massive I/O throughput in the IBM mainframe environment?

This session will help you to understand those concepts and more. We will be putting together the pieces from data and I/O processing to configuration and LPAR activation process to identify the mainframe Big Picture. Acronyms and abbreviations such as: PR/SM, SE, IOCDS, HCD, PU, STI, MBA, LCSS, MIDAW and many more will be discussed and defined during this session. This is a basic to intermediate session for the technical professional who has some basic understanding of the mainframe.

Level: Basic

B02 Demystifying the System z Mainframe: A Technical Overview – Part 2

Brian Hatfield, IBM

See abstract for Part 1.

Level: Basic

B03 FICON Basics

Lou Ricci, IBM

What is FICON and how is it different from ESCON? What is a FICON exchange? What is a Buffer-to-Buffer credit and how does it affect a FICON fabric? What happens in the "life of an I/O operation" in a FICON environment? This presentation will be given by the lead FICON firmware designer from IBM Poughkeepsie. It will provide answers to all of these questions by describing the basics of the FICON architecture from the time the channel "comes to life" all the way through the execution of a typical I/O request. Topics will include how a particular channel is selected to perform the operation and the steps the channel goes through to pass commands and data including how the channel detects errors and the steps it and the control unit take to recover from channel detected errors.

Level: Basic

B04 Introduction to WebSphere Application Server for z/OS V6

Hugh Watson, IBM

This introductory session takes a look at the WebSphere Application Server for z/OS. During this session you will be introduced to the z/OS infrastructure in which WAS for z/OS v6.1 runs, the process that you go through in order to implement WAS for z/OS and the features provided by WAS for z/OS v6.

Level: Basic

B05 DASD Tuning Basics

Tom Beretvas, Enterprise Performance Strategies, Inc.

This presentation begins by discussing basic tuning rules. These tuning rules are universally applicable (or at least the author claims). Then two different approaches of tuning are discussed, one using the RMF Spreadsheet Reporter, the other one using RMF Magic, a software product. The two approaches are contrasted, advantages and disadvantages are shown.

Level: Basic

B06 z/OS Installation Basics

Greg Daynes, IBM

This introductory session will provide an overview of the software installation on z/OS. It will describe each of the phases of installation, from planning through deployment. During this session, you will be introduced to software management concepts, the different product and service offerings as well as what makes installation on z/OS so unique.

Level: Basic

B07 z/OS Maintenance Best Practices

Greg Daynes, IBM

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 have 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.

Level: Basic

B08 Parallel Sysplex Tuning Basics

Glenn Anderson, IBM

The performance of a Parallel Sysplex begins with two major components - XCF and the Coupling Facility. This introductory presentation explores how XCF and the Coupling Facility operate in a Parallel sysplex, what the basic metrics are for measuring and monitoring performance and how this data is reported in the XCF and Coupling Facility RMF reports. This presentation lays a foundation for understanding and measuring your Parallel Sysplex XCF and CF performance.

Level: Basic

B09 z/OS WLM Top-10 Basic Questions

Glenn Anderson, IBM

OK, so maybe it's not David Letterman, but it's the next best thing - the z/OS Workload Manager (WLM)! Glenn Anderson, who has been teaching WLM since day one, will guide you through the questions he hears the most about the basics of WLM, including classification, velocity goals, enclaves, routing services, using RMF reporting and more. If time permits, in addition to the questions, Glenn will also supply answers.

Level: Basic

B10 Communications Server for z/OS: Just What is It?

Sam Reynolds, IBM

Are you new to the world of mainframe networking? Are you baffled by the array of acronyms and terms tossed about when the subject comes up, like VTAM, TCP/IP, SNA, APPN, HiperSockets and EE? In this session, we will take an introductory look at just what Communications Server does for z/OS, define the important components and protocols and discuss what current and future challenges might exist for those visiting (or just passing through) the wonderful world of mainframe networking.

Level: Basic

B11 DB2 Data Sharing for Beginners

Martin Packer, IBM

This presentation provides an introductory-level view of how to look at the DB2 Data Sharing performance numbers from both a z/OS / RMF and a DB2 perspective. Performance topics include: XCF, Coupling Facility, Data Sharing Structures, the application's perspective and Structure Duplexing. Performance topics don't include: Other forms of Data Sharing e.g., VSAM RLS and overly detailed descriptions.

Level: Basic

B12 SAN Basics for Mainframers

Scott Drummond, IBM

The speaker will present the basics of SAN using mainframe references to explain the technologies. He will explore the Fibre Channel standard, SAN hardware, SAN software and other appropriate items related to SAN.

Level: Basic

B13 UNIX System Services Part 1: File Systems, Commands and Security

Joe Linn, State of Minnesota

This two part session will introduce you to the concepts of HFS, TFS and zFS and show you how to use them at your shop. You'll see how to configure and set up zFS and how to migrate from HFS to zFS (and why you want to). You will see how to access UNIX System Services both through the ISHELL and through the OMVS shell. You will learn some handy UNIX commands. The speaker will discuss UNIX security. He will use the results of their rigorous, year-long security audit to illustrate common UNIX System Services security problems and describe how to address them.

Level: Basic

B14 UNIX System Services Part 2: Shared File Systems

Joe Linn, State of Minnesota

The second part of this two part session will introduce you to sysplex shared HFS and zFS from a user's perspective. The speaker will provide an overview of how shared HFS/zFS works and describe the steps involved in implementing it. He will discuss the State of Minnesota's experiences implementing sysplex sharing of UNIX file systems and what they have learned along the way. He will discuss things that might not behave the way you would expect and how to avoid some potential problems.

Level: Basic

B15 Back to Basics: JCL Review

Janet Sun, Mainstar

In this session, the speaker will provide an overview of Job Control Language (JCL) which is the series of statements beginning with // that you provide to z/OS in order to run your batch jobs. If you have ever wondered about the details of DD, EXEC, IF/THEN/ELSE or JCLLIB, then this session is for you. A basic understanding of z/OS workflow is assumed.

Level: Basic

B16 Fundamentals of ICF Catalog Management

Janet Sun, Mainstar

ICF Catalogs are an integral part of the z/OS operating system. Without them, data cannot be accessed. The speaker will provide an overview of catalog structures and provide an introduction of how to efficiently manage your catalog environment. Day-to-day activities including backup, recovery and various diagnostic options will be discussed. A basic understanding of VSAM terminology is assumed.

Level: Basic

B17 Introduction to SMF and RMF Data Collection

Mary Astley, IBM

Collecting measurement data on z/OS system performance requires planning and set up to gather the desired information. RMF and SMF data are two key providers of measurement data for a z/OS system. This session will discuss the SMF and RMF parameters which control how many records and how often records are written to the SMF data sets. This is an introductory session.

Level: Basic

B18 IBM Tivoli System Automation for z/OS – Basics

Raimund Thielker, IBM

IBM Tivoli System Automation for z/OS (SA z/OS) plays an important role in building the end-to-end automation of the IBM autonomic computing initiative and is designed to automate I/O, processor and system operations. This session will explain the basic concepts of the SA z/OS system operations component that automates many system console operations and selected operator tasks such as startup, monitoring, recovery and shutdown of z/OS subsystems, components and applications. It also gives a brief overview of the entire SA product family. This session does not require any SA z/OS knowledge and is recommended as a good preparation for the System Automation for Beginners Hands-on Lab.

Level: Basic

B19 GDPS® Basics

Noshir Dhondy, IBM

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 combinations, options, positioning will be discussed along with real customer implementation scenarios and business benefits.

Level: Basic

B41 Running z/VM to Host Linux – Installation and Customization – Part 1

Richard Lewis, IBM and Chuck Morse, IBM

With the rapid growth and popularity of Linux on zSeries, many businesses are faced with the challenge of deploying a z/VM system to support the planned Linux workload. This four part hands-on lab is designed to begin the process of developing z/VM system programming skills. The seminar will begin with an overview of z/VM and virtualization concepts. Following this, attendees will watch a complete z/VM installation in an LPAR. The remainder of the lab will be devoted to giving each student the opportunity to perform the various system programming tasks necessary to configure a new z/VM installation for use and cloning Linux virtual machines in a z/VM environment. Each team of attendees at a workstation will have a complete z/VM system running in a virtual machine to configure and work with. Skills developed through this lab may be reinforced through attendance at other conference sessions.

Level: Basic

B42 Running z/VM to Host Linux – Installation and Customization – Part 2

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B41.

Level: Basic

B43 Running z/VM to Host Linux – Installation and Customization – Part 3

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B42.

Level: Basic

B44 Running z/VM to Host Linux – Installation and Customization – Part 4

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B43.

Level: Basic

B51 Virtualization Basics

Dr. Brian Wade, IBM

The latest buzz word in the industry seems to be "virtualization." As we have learned over the years, one needs to be careful with buzzwords. This presentation will not cover all the possible definitions for virtualization. It will give you a strong understanding of what virtualization means in the context of the z/VM operating system, and this can be used to contrast with what others are calling virtualization. Key topics covered in this presentation include: the virtual machine model, the key components of z/VM, the role of the SIE instruction and the virtualization and management of various resources (processor, memory and I/O).

Level: Basic

B52 The z/VM Control Program (CP): Part 1 – Useful Things to Know

John Franciscovich, IBM

Come to this session for an introduction to the z/VM Control Program (CP) and to learn about some of the things ("what") it does for you. After an overview of CP and how it uses disk space, storage and devices, we'll cover starting (IPLing) your z/VM system, defining virtual machines, virtual networking and various ways you can interact with CP. This session continues in Part 2 (Session B53) where we'll take a look at "how" CP does its work.

Level: Basic

B53 The z/VM Control Program (CP): Part 2 – Under the Covers

John Franciscovich, IBM

In Part 1 (Session B52), we looked at "what" the z/VM Control Program (CP) does for you. Come to this session for a look under the covers at "how" CP operates, including the steps it takes to IPL and shut down CP and how CP manages storage (memory) and processor resources among virtual machines so they can do their work efficiently. We'll also cover diagnostic information that can be useful for testing and problem determination.

Level: Basic

B54 The Basics of Using z/VM

Christine Casey, IBM and Brian W. Hugenbruch, IBM

If you are new to z/VM with either a Linux and/or z/OS background, or if you had simply stepped away from VM for a while and want a VM refresher, this is the session for you!

We will show you which VM commands to use, how data is stored, what the file system looks like, how to edit files and introduce some of the many tools available for you to be productive in this new environment.

Level: Basic

B55 z/VM TCP/IP Stack Configuration

Miguel Delapaz, IBM

This presentation is an in-depth look at configuration of the z/VM TCP/IP server. Basic and advanced configuration topics will be discussed, with an emphasis on practical examples. Topics such as elementary routing, network hardware and security are discussed in as much depth as necessary to provide an understanding of how to configure them on the z/VM TCP/IP server. Common configuration errors will also be addressed. While prior experience with z/VM TCP/IP is not necessary for attendees, some basic knowledge of z/VM minidisk structure is assumed.

Level: Basic

B56 Introduction to VM Performance

Dr. Brian Wade, IBM

If you are just getting started understanding VM performance, this presentation will give you the foundation and tools you need to tackle various performance problems. We will talk about configuration guidelines, monitoring and tuning, and look at a simple case study, with pointers to additional information so that you can learn even more on your own.

Level: Basic

B57 Introduction to Automatic SSL Support in z/VM TCP/IP

Brian W. Hugenbruch, IBM

SSL (Secure Socket Layer), also known as TLS (Transport Layer Security), is traditionally used to secure Web transactions over the Internet. Most VM Web servers support SSL. However, this protocol has also been extended to Telnet and FTP. IBM implemented automatic SSL support in order to provide general-purpose SSL support for z/VM TCP/IP servers without having to change each server individually. This session explains SSL from an externals viewpoint and describes how to exploit it with z/VM TCP/IP.

Level: Basic

B58 Introduction to Performance Toolkit for VM

Bruce Dailey, IBM

The Performance Toolkit for VM is an optional, priced, pre-installed feature of z/VM that provides enhanced capabilities for a z/VM systems programmer, system operator or performance analyst to monitor and report performance data. Come to this session to see an overview of the function available.

Level: Basic

L01 Linux on System z Planning: Where to Begin?

John Schnitzler, IBM

This short session will address some of the basic planning topics that you should look at when considering Linux on System z. This session will be used to spark interest in other in-depth presentations being given during this conference.

Note: This session will start at 8:00 AM.

Level: Basic

L02 Lab: Linux for Beginners Hands-on Lab – Part 1 of 3

Mark Post, Novell

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. This session is continued in Sessions L03 and L04.

Note: This session will start at 8:00 AM.

Level: Basic

L03 Lab: Linux for Beginners Hands-on Lab – Part 2 of 3

Mark Post, Novell

This is a continuation of Session L02.

Level: Basic

L04 Lab: Linux for Beginners Hands-on Lab – Part 3 of 3

Mark Post, Novell

This is a continuation of Session L03.

Level: Basic

L05 Linux System Management for the Mainframe System Programmer – Part 1 of 2

Mark Post, Novell

More and more, mainframe systems programmers are being asked to install and manage Linux/390. They have years of experience in installing and managing "traditional" IBM mainframe operating systems such as MVS and VM, but they don't know where to start with Linux for S/390. Installation is covered by other sessions, so this one will concentrate instead on "translating" typical system management tasks to the Linux for S/390 environment by comparing and contrasting the familiar with the new.

Level: Basic

L06 Linux System Management for the Mainframe System Programmer – Part 2 of 2

Mark Post, Novell

This is a continuation of Session L05.

Level: Basic

L31 Lab: Linux on System z Installation Hands-on Lab – Part 1

Richard Lewis, IBM and Chuck Morse, IBM

Linux for System z has generated a lot of excitement among System z customers. However, for many this is a new and strange environment. This workshop will provide an opportunity to install and configure Linux for System z in a z/VM virtual machine. The hands-on portion of this workshop will be self-paced and result in a Linux for System z system running Apache, Samba, DNS (BIND), a firewall and the KDE desktop.

The goal is to equip each attendee with the skills required to return home and install Linux for System z using the distributions from SUSE, Red Hat or the binary objects available for download from the Marist College Web site.

NEW: Recently added lab exercises will allow attendees to install Red Hat Enterprise Linux 5 or Novell/SUSE SLES 10 to an FCP attached SCSI device. They can also then create two additional, multi-path FCP attached SCSI devices and join them in a Logical Volume.

This lab will be continued with Parts 2 and 3.

Level: Basic

L32 Lab: Linux on System z Installation Hands-on Lab – Part 2

Richard Lewis, IBM and Chuck Morse, IBM

This is a continuation of Session L31.

Level: Basic

L33 Lab: Linux on System z Installation Hands-on Lab – Part 3

Richard Lewis, IBM and Chuck Morse, IBM

This is a continuation of Session L32.

Level: Basic

z/OS System Software and Parallel Sysplex

Z01 What's New in z/OS 1.9?

Riaz Ahmad, IBM

The newest release of z/OS will be made generally available in September. This session will discuss the new functions and enhancements included in z/OS 1.9 release of IBM's flagship operating system.

Level: Standard

Z02 System REXX - A New System Component of z/OS

Riaz Ahmad, IBM

This new component of z/OS is to provide an infrastructure through which REXX execs may be run outside the normal TSO/E or Batch environments, using a simple programming interface. This enables the leveraging of base operating system components by new style applications that will, over time, lead to simplified interaction and more intuitive system management capabilities on z/OS. The discussion will be the design, customization and how to get started with System REXX.

Level: Standard

Z03 Sysplex Failure Management for Stalled Members

Riaz Ahmad, IBM

This new z/OS function can enhance sysplex availability by enabling Sysplex Failure Management (SFM) for Stalled Members. This function allows the system to automatically take action to alleviate signaling sympathy sickness caused by stalled XCF group members. Even if automatic action is not enabled, manual resolution of the problem should be less error prone because the sympathy sickness problem and the culprit are clearly identified. The speaker will discuss the problem being addressed, the solution provided and the changes in system behavior.

Level: Standard

Z04 Migration to z/OS R9 Part 1: Planning

Marna Walle, IBM

Thinking about migrating to z/OS R9? This session will cover many of the installation requirements for preparing for your z/OS migration. Included will be:

- Content of the z/OS R9 - what is new, changing and removed, and what's being removed in the future!
- Ordering and deliverables
- Coexistence requirements - including the coexistence/migration/fallback/service policy
- 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 Z05 - "Migration to z/OS R9 Part 2: Migration Actions" for specific migration tasks for z/OS R9. Preparing for your z/OS migration can be started today with this session's important information!

Level: Standard

Z05 Migration to z/OS R9 Part 2: Migration Actions

Marna Walle, IBM

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 R9 will be covered. Migrations from z/OS R7 and R8 will be covered. Included will be required migration tasks which were introduced in z/OS R9 from selected elements - BCP, C/C++, Communications Server, DFSMS, Language Environment, SMP/E, z/OS UNIX and zFS.

This session will be of interest to systems programmers and their managers who are migrating to z/OS R9, or through z/OS R9. It is strongly recommended that you attend Session Z04 - "Migration to z/OS R9 Part 1: Planning" before attending this session.

Level: Advanced

Z06 Time for a Checkup! An Update of the IBM Health Checker for z/OS and the IBM Migration Checker for z/OS Tool

Marna Walle, IBM

This session will discuss the recent enhancements to the very popular IBM Health Checker for z/OS, including the newer Health Checks added to z/OS. Another checking tool, the IBM Migration Checker for z/OS, will also be covered. This is an "as is" tool to help you with your z/OS migration. If you want programmatic assistance to help with availability and migration, this session is the place to be!

Level: Standard

Z07 z/OS R9 System Programmer's Goody Bag

Robert Rogers, IBM

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 just overviewed and many of the items are too small to have been addressed in a full presentation. This edition of the presentation covers items in z/OS 1.9 which is planned for General Availability in September. Topics will include:

- 54 Processor Support
- Reusable ASID Support
- Message Flooding Automation
- System Trace and SLIP Enhancements
- Standalone Dump and Dump Processing Improvements
- Select Other 1.9 Items of Interest

Level: Standard

Z08 Dealing with More Data: A Sysprog View

Robert Rogers, IBM

Enterprises are experiencing rapid growth in the volume of online data. This presentation overviews the z/OS enhancements that support these ever increasing amount of storage capacity. Special emphasis is placed on HyperPAV, which is the latest enhancement in this evolution, but other features like I/O priority and alternate subchannel sets will also be addressed.

Level: Standard

Z09 What's New in DFSMS™ 1.9

Scott Drummond, IBM

In this session we will review the DFSMS family of products with special emphasis on the new DFSMS 1.8 functions. We will cover new functions related to scalability, security, availability, usability and optimization.

Level: Standard

Z10 Workload License Charges for 2007 – A Consultant's View

Al Sherkow, I/S Management Strategies, Ltd.

In 2007, the zNALC metric has been announced for non-Legacy applications on System z. A "new workload" never becomes an "old workload" so you may have existing qualifying LPARs on your machines that qualify which will reduce your software charges for z/OS. The LPAR Group Capacity Limit is a new LPAR parameter available with z/OS on the latest System z machines (z9EC GA3 and z9BC GA2). Sites have been asking for this feature since 2000. Learn about both these topics so you can consider how to best use them in your site.

Level: Standard

Z11 Save More Money with WLC 2007 Update

Al Sherkow, I/S Management Strategies, Ltd.

Working with various clients and customers throughout the year, additional information is learned and understood. This session shares this new information. 2007 will include how zIIP and zAAP engines can reduce the MLC. Examples of the savings are presented as well as determining if additional specialty engines should be added to the environment.

Level: Standard

Z12 Parallel Sysplex Update

Dave Raften, IBM

Parallel Sysplex technology is pervasive throughout the System z hardware and software stack. This presentation will provide an overview of the latest Parallel Sysplex hardware and software enhancements as well as insights into the directions for new technology. In particular, time synchronization, complexity reduction, performance enhancements, availability improvements and other key capabilities will be covered. This session assumes the audience is familiar with Parallel Sysplex concepts and terminology.

Level: Standard

Z13 IBM Experiences Testing Sysplex Data Sharing Over Extended Distances

Dave Raften, IBM

For a variety of reasons, many mainframe customers are investigating the use of data sharing in a sysplex spanning multiple sites. To gain some experiences and obtain some data points, IBM ran two projects looking at the performance impact of various distances (up to 100 km) on CICS/DB2, CICS/VSAM RLS and IMS data sharing. The results of these measurements, together with discussions about why the results look as they do, are discussed in this presentation.

Level: Advanced

Z14 Parallel Sysplex Trainer Environment – Hands-on Lab

Brian Hatfield, IBM and Maurice McCullough, IBM

Are you interested in a sysplex sandbox in your shop? The Parallel Sysplex Trainer Environment (PSTE) provides a risk free training environment for System Programmers and Operators. The training environment or "sand box" consists of three z/OS images, two Cfs and canned jobs to simulate production-like activity for various exploiters including XCF, DB2, CICS TS and others. Come to this session to test drive the PSTE. This hands-on lab will provide you the opportunity to use z/OS commands to do activities like, identify the sysplex configuration, start workload activity, alter/move structures, manage coupling facilities, change couple data sets and much more.

Level: Standard

Z15 What's New With GDPS?

Dave Raften, IBM

GDPS is IBM's industry-leading disaster recovery and high availability solution. Get an update on recent GDPS functional enhancements including enterprise-wide disaster recovery with the latest Linux support, and availability improvements to GDPS/Global Mirror, GDPS/XRC and GDPS/PPRC. GDPS V3.4 includes the introduction of a new user interface in GDPS/PPRC that enhances usability, as well as the addition of z/OS Health Checker support for improved systems management. GDPS trends and directions will also be covered.

Level: Standard

Z16 Server Time Protocol (STP) Planning Considerations (Part 1 of 2)

Noshir Dhondy, IBM

Server Time Protocol (STP), a new time synchronization facility for System z is designed to provide time synchronization for multiple IBM System z9 and zSeries servers and is the follow-on to the Sysplex Timer (9037-002). STP is designed to support a multi-site timing network of up to 100 km (62 miles) over fiber optic cabling, allowing a Parallel Sysplex to span these distances. Customers with existing External Time Reference (ETR) networks can concurrently migrate to STP. This session will describe the key functional capabilities of STP, the configurations STP is designed to support and the hardware and software planning considerations required for implementing STP. Sample implementation scenarios - covering both concurrent migration from ETR as well as implementing a new STP network - will be presented.

Level: Basic

Z17 Server Time Protocol (STP) Recovery Considerations (Part 2 of 2)

Noshir Dhondy, IBM

It is assumed that you have attended STP Planning Considerations (Session Z16) or familiar with the functional capabilities of STP prior to attending this session. In this session, the speaker will describe the recovery capabilities of the STP Coordinated Timing Network (CTN). Recovery scenarios such as link failures, server failures and site failures (for a multi-site implementation) will be presented for both a mixed CTN and an STP-only CTN. Possible user actions to reconfigure the CTN after recovery will also be discussed.

Level: Advanced

Z18 STP Experiences at John Deere

Brian Eich, Deere and Company

This session will cover a customer's experience with planning and migrating to Server Time Protocol. Although some knowledge of STP may be helpful, the presenter will cover some concepts of STP as a basis for the presentation. Come hear about the hardware and software items that were installed for this function. The presenter will also cover the implementation steps for STP as it applies to his configuration, covering both a single and multi-site configuration.

Level: Standard

Z19 GDPS/XRC and GDPS/PPRC Hyperswap Manager – Garanti Technology User Experience

Meral Temel, Garanti Technology

The speaker will explain how GDPS/XRC and GDPS/PPRC Hyperswap Manager was implemented at Garanti Technology. The phases will outline steps taken to implement GDPS/XRC and to make production systems get ready for GDPS/PPRC Hyperswap Manager. Hints and tips used by customer related to both solutions will be mentioned. Performance problems in GDPS/XRC after HW/SW changes and how these were solved will also be explained. Tools and Methods used and key points while managing both solutions with success will give a brief feedback to both attendees who are already using and who are planning to implement these environments.

Level: Standard

Z20 Top-5 Recent SysProg z/OS Efficiency Enhancements You Shouldn't Overlook

Bette Brody, IBM

z/OS 1.8 and z/OS 1.9 have provided several new enhancements you do not want to miss. The topics covered will be:

- SDSF REXX
- DFSMSrmm Parmlib
- USS Automount
- Group capacity via WLM
- IBM Configuration Assistant for z/OS Communications Server

Level: Standard

Z21 A System Programmer Productivity Toolbag

Bette Brody, IBM

Do you have too much to do and not enough time to do it? Then come to this session to hear the speaker describe system programmer tools and z/OS product enhancements to improve your productivity! Included will be tools such as:

- Announcements
- Library Center
- Interactive Planning and Installation
- Parallel Sysplex and z/OS Health Checker
- z/OS Migration Checker
- Enhanced PSP Tool
- Technical Documentation/White Papers/RedPapers
- SMP/E Updates
- ShopzSeries
- Softcopy Updates
- Migration Aids
- Logrec Viewer
- XISOLATE
- Web Deliverables
- Pointers to Useful Information
- Software Maintenance Strategy
- Tools
- And much more...

There is always too much to cover here and not enough time to do it!

Level: Standard

Z22 CIM – What It Is, Why You Should Use It and How to Set It Up

Bette Brody, IBM

The Common Information Model (CIM) is a standard data model for describing and accessing systems management data in heterogeneous environments. It allows system administrators to write applications measuring system resources in a network with different operating systems and hardware. To enable z/OS for cross-platform management, a subset of resources and metrics of a z/OS system is mapped into the CIM standard data model.

CIM is an exclusive base element of z/OS since z/OS 1.7. Several elements within z/OS and IBM products outside z/OS have begun exploiting this element. It is time to stand up and take notice. The presenter will describe CIM, how to install and customize it and describe how IBM is exploiting it. It is the heart of z/OS simplification.

Level: Basic

Z23 Installing and Using the IBM OMEGAMON® z/OS Management Console

Mike Bonett, IBM

The IBM OMEGAMON z/OS Management Console is a no charge function, based on IBM OMEGAMON and IBM Tivoli Monitoring 6.1 technology that provides graphical management of the z/OS environment. It supports both monitoring and control (manual or automated) of availability aspects of z/OS and Sysplex environments, and gives access to information collected by the IBM Health Checker for z/OS. This session will walk through the installation, set up and usage of the latest version of the z/OS Management Console, show the data metrics available in the product and position it with the IBM OMEGAMON product family.

Level: Standard

Z24 z/OS Language Environment Update

Mary Astley, IBM

This session will discuss the recent new function and enhancements to z/OS Language Environment. It will include any recent changes to run-time options.

Level: Standard

Z25 Setting Up a Cost-effective Replication Solution for z/OS Availability

Curtis Neal, IBM

IBM TotalStorage Productivity Center for Replication (TPCR) provides a new cost-effective replication solution for continuous availability on z/OS. Using IBM TPCR you can obtain both continuous availability and disaster recovery solutions by using the Point-in-time and Global Mirror replication methods. This session will cover the benefits of this solution and why you'd want to use it and requirements for configuration and use of the TPCR solution (both the storage hardware and software).

Level: Standard

Z26 A z/OS System Programmer's Guide to Migrating to a New IBM System z9 BC or z9 EC Server

Greg Daynes, IBM

The latest generation of IBM System z servers, the IBM System z9 Enterprise Class (z9 EC, formerly the IBM System z9 109 (z9-109)) and the IBM System z9 Business Class (z9 BC), are designed to provide an advanced combination of reliability, availability, security, scalability and virtualization features. The good news is all supported z/OS releases can run on a z9 EC or z9 BC server (all supported z/OS.e releases can run on a z9 BC server). Similarly, all supported z/OS and z/OS.e releases can participate in a sysplex that has a CF or operating system image on a z9 server. The even better news is that most customers are well positioned to use the new server.

Come hear about how to upgrade to an IBM System z9 server! This informative session will describe the software required to run on a new server (including cryptographic software), compatibility code required on other systems that share resources with systems running on the new server and migration actions associated with the new software. This session will be of interest to systems programmers and their managers who will upgrade to a z9 server.

Level: Advanced

Z27 Installation Trends and Directions

Greg Daynes, IBM

The graying of the system programmer is real. It is critical that we make it easier to install, migrate and maintain systems. Come to this session to learn what IBM is doing, and planning on doing, to automate and simplify many of the complex tasks manually performed today. The speaker will give you a glimpse of the future, as well as provide a roadmap on how we all will get there.

Level: Standard

Z28 What's New in IBM System z Software Pricing?

Kay Adams, IBM

This session will cover details of the three significant System z SW Pricing Announcements made in 1Q07:

- zNALC (z New Application License Charge)
  - Special SubCapacity LPAR Based Pricing for z/OS in support of New Application Workload Environments (e.g., SAP®, PeopleSoft, BAHN, WebSphere...)
- Group Capacity Limits
  - Defined Capacity for groups of LPARs and how this affects your SubCapacity environment
- MWLC (Midrange Workload License Charge)
  - SubCapacity LPAR Based Pricing for z/VSE Systems

Level: Standard

Z29 z8xx/z9BC Software Pricing

Kay Adams, IBM

The z800/z890 processors offer the most flexible pricing options in the zSeries product line. While these z8xx processors can take advantage of and fully participate in all of the z9xx Sysplex metrics, there are a unique set of z8xx "standalone" pricing options that offer very attractive entry-level pricing and flexibility. This session will focus on the pricing options unique to the z800/z890 series. Topics include:

- Entry Workload License Charge (EWLC)
- zSeries Entry License Charge (zELC)
- Tiered Entry Workload License Charge (TWLC)
- (NEW) zNALC (replacing z/OS.e and Divide-a-Box)

Information on z800/z890 participation in Sysplex SW pricing metrics, e.g., PSLC and Workload License Charge, will be included in the z9xx/Sysplex SW Pricing session.

Level: Standard

Z30 z9xx/z9EC Software Pricing

Kay Adams, IBM

This session will focus on the SW Pricing options available to IBM's Series z9xx processors and Sysplexes. We will discuss Monthly License Charge (MLC) metrics including:

- PSLC (Parallel Sysplex License Charge)
- WLC (Workload License Charge
- ULC (Usage License Charge)
- (NEW) zNALC (Replaces NALC: New Application License Charge) as well as the IPLA "OTC" pricing

Level: Standard

Z31 SubCapacity Pricing and SCRT Nuts and Bolts

Kay Adams, IBM

If your shop decides to migrate to SubCapacity Workload License Charges for zSeries, use of the SubCapacity Reporting Tool (SCRT) will be required. Attend this session to understand what the SCRT is, how it works, how to use it and how to interpret the output of the tool, the SubCapacity Reports. This session will also review the planning steps for successful implementation of SCRT and discuss the end-to-end implementation process of collecting the required SMF data, running SCRT, reviewing the reports and submitting them to IBM.

Level: Standard

Z32 What's New in DFSMShsm™

Ed Baker, IBM

This presentation will cover the latest announcements for the DFSMShsm product including the recent DFSMS V1R9 release. Keep abreast of the continual improvement in this product provided in the latest announced features and enhancements.

Level: Standard

Z33 Extracting Data from DFSMShsm for Reporting and Tuning

Ed Baker, IBM

Have you struggled to get the data you need from DFSMShsm for reporting and tuning your DFSMShsm environment? This presentation will show you some tools that you might not have been aware you have, plus other DFSMShsm commands and DCOLLECT examples that can supply you with the data you need to assist in managing and tuning your DFSMShsm environment.

Level: Advanced

Z34 zCDP for DB2

Ed Baker, IBM

The DB2 V8 and V9 Backup System and Restore System utilities work in conjunction with DFSMS and DFSMShsm to provide DB2 installations with a Continuous Data Protection solution for DB2. This presentation will detail how DB2, DFSMS and DFSMShsm interact to provide this CDP solution for DB2 installations.

Level: Advanced

Z35 Configuring ISPF for Fun and Profit

Tom Conley, Pinnacle Consulting Group, Inc.

Do you have a hard time configuring ISPF? Do you want to create the same ISPF look and feel for your users? Would you like to set up ISPF for better performance? If you answered "YES" to any of these questions, this session is for you! Come to this session to learn how to configure ISPF for lean and mean operation. Teach ISPF to dance to your tune for a change! In this session, the speaker will also include an online demonstration and a real-time ISPF configuration session.

Level: Standard

Z36 Converting Archive/Backup Management Systems – User Experience

Tom Conley, Pinnacle Consulting Group, Inc.

Are you considering converting your existing archive/backup management system from one of the above products to another? Have you decided to convert, but you just haven't started yet? Are you in the middle of a conversion? If you answered "YES" to any of these questions, this session is for you! Come to this session to learn a step-by-step method for converting your existing archive/backup management system. The speaker will present an agnostic view of DASD Management System conversion, having completed conversions from DMS/OS (CA-Disk) to DFSMShsm, CA-ASM2 to DFSMShsm, CA-Disk to FDR/ABR and DFSMShsm to FDR/ABR. This presentation has been updated with new information regarding backup conversion. Topics covered will include:

- Assess Current Archive/Backup Environment
- Convert Archives
- Convert Backups – Problem Solved!
- Conversion Checklist
- Handling Exceptions

Level: Standard

Z37 JZOS and the IBM SDK

Hilon Potter, IBM

IBM has added the new JZOS technology to the z/OS SDK. Come find out how this new technology can help you run Java batch programs or started tasks without a BPXBATCH shell environment, as well as all the other Java API's that have been added. If you've started using Java batch programs on z/OS and are not familiar with the JZOS technology, this is a session for you. This session will also include some examples of how the new API's can be used from within other Java runtimes like WebSphere Application Server.

Level: Advanced

Z38 JZOS: Hands-on Lab

Hilon Potter, IBM

"Look mom, no shell" - this lab will walk you through the process of running a Java batch application or LAVA-based started task without the use of BPXBATCH. The new JZOS technology in the IBM z/OS SDK makes it an easy task. As part of the lab, we will use Tomcat as an example. Each attendee will set up and configure their own Tomcat server on a z/OS system.

Level: Advanced

Z39 Introduction to ICF Catalog Caching

Janet Sun, Mainstar

ICF catalog records are cached in different places according to different rules. The purpose is to improve catalog performance by eliminating I/O to the catalog. The speaker will address monitoring the catalog address space, caching of catalog records and Enhanced Catalog Sharing. The role of a catalog is to locate your data. You can help ensure that it does its job efficiently.

Level: Standard

Z40 IBM Tivoli System Automation for z/OS – News and Message Flow Concepts

Raimund Thielker, IBM and Roland Haibl, IBM

The latest version of SA z/OS greatly improved the way you can define your automation policies - it added new functionality that facilitates the daily tasks of your operators and it integrates with Tivoli OMEGAMON to not only react based on messages issued by applications but also to proactively automate them based on performance and availability data or exceptions. In this session you will hear the latest news as well as recent product enhancements such as Tivoli Workload Scheduler (TWS) and Geographically Dispersed Parallel Sysplex (GDPS) interoperation enhancements, delivered through the service stream. The second part of this presentation will cover the message flow concepts from an automation administrator perspective. The speaker will share with you some of the developer's secrets. Don't miss this session.

Level: Standard

Z41 Integrating the Tivoli Enterprise Portal (TEP) with System Automation for z/OS

Roland Haibl, IBM

Over the last couple of years, SA z/OS has constantly improved their interoperation with the OMEGAMON product suite. This session will outline the most recent major steps. Hear about the SA workspace, how to personalize your views and how you can use the information provided by SA z/OS to define situations.

Level: Standard

Z42 IBM Tivoli System Automation for z/OS: Beginners Hands-on Lab – Part 1

Raimund Thielker, IBM and Roland Haibl, IBM

In this lab you learn how to work with the SA z/OS system operations component to:

- Define a new application using the application class concept
- Create an application group to manage multiple applications as a whole
- Set up relationships to existing applications
- Exploit the reporting capabilities of SA z/OS to see how the automated environment looks like, and finally
- Test the new policy on the life system

For additional background on the basic concepts used by SA z/OS, the session System Automation for z/OS Basics is recommended.

Level: Standard

Z43 IBM Tivoli System Automation for z/OS: Beginners Hands-on Lab – Part 2

Raimund Thielker, IBM and Roland Haibl, IBM

See abstract for Part 1.

Level: Standard

Z44 IBM Tivoli System Automation for z/OS: Performance Automation Using Monitors Hands-on Lab – Part 1

Roland Haibl, IBM and Raimund Thielker, IBM

How can I define my own monitors in my automation policy? How can I tie them to a resource I want to monitor? The first part of this lab will give you guidance of how to define monitors using the SA z/OS Customization Dialog and how to load and operate your policy under NetView®. In the second part, the lab environment is explained and you will start defining your own automation policy for a monitor and a z/OS application. It gives you the opportunity to exploit the monitoring concept. After a build of the automation policy, you can test it live on a z/OS system.

Tivoli System Automation for z/OS V3.1 also allows you to access performance and availability data from Tivoli OMEGAMON monitors and integrate it into your automation processes. This new health-based application automation function aims to proactively manage your applications based on a health state derived from such data. For additional background on the basic concepts used by SA z/OS, the session System Automation for z/OS - Basics is recommended.

Level: Advanced

Z45 IBM Tivoli System Automation for z/OS: Performance Automation Using Monitors Hands-on Lab – Part 2

Roland Haibl, IBM and Raimund Thielker, IBM

See abstract for Part 1.

Level: Advanced

Z46 Managing the Coupling Facility: Hands-on Lab

Maurice McCullough, IBM

Do you have a CF and want to know the correct procedure to move structures from one CF to another CF? Do you need to make CF ready for maintenance and need to understand how to move completely off a CF? Or do you simply need to understand how to take CF Links offline to the CF? This lab session will show you how to manage your CF. Basic understanding of SYSPLEX is a must.

Level: Advanced

Z47 New News on NetView for z/OS, V5R3 is Available

Jeff Weiner, IBM

The last year has brought many exciting, new enhancements to NetView for z/OS -- in management of IP and Enterprise Extender, message handling, cross-product integration and more. Come and learn about the latest capabilities. See why NetView for z/OS remains the premier Enterprise Network Management product.

Level: Standard

Z50 z/OS, System z, Parallel Sysplex and GDPS: Ask the Experts

Panel of Speakers

This session is a chance for you to ask the experts any questions in the areas of z/OS systems programming issues, zSeries hardware and parallel Sysplex technology.

Level: Standard

Z51 Revisiting Your Naming Conventions in a z/OS Environment

Rob Weiss, IBM

You would be surprised at the effect your naming conventions (or lack of same) has on the performance aspects of z/OS and the headaches it causes Operations and Systems Programmers. This session will examine what makes a good naming convention and the signs of a bad naming convention. There will be a highly interactive discussion about what's good, what's bad and what's just simply ugly. The performance effects of a poor naming convention will also be discussed. An example of a naming convention that appears to solve most of the problems will be shown (in part). Some installations are running with multiple naming conventions that were the result of time and/or acquisitions of other businesses. Some never moved from the best practices approach of the late 1970s. We will examine the naming standards used by your installation and demonstrate the good points and the bad points. It is like a consulting engagement for free!

Level: Advanced

WLM and z/OS Performance Management

P01 z/OS Workload Manager: z/OS V1R9 Update

Ulrich Hild, IBM

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. 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.

Level: Standard

P02 WLM Policy Definition: Protecting Work

Ulrich Hild, IBM

This session explains some of the more advanced Policy Definition concepts in WLM with a focus on ways to protect work. In particular, the concept of resource groups will be explained in detail including the latest enhancements in z/OS V1R8.

Level: Standard

P03 WLM CPU Management, Defined Capacity and Group Capacity Limits

Ulrich Hild, IBM

Are you interested in WLM weight and CPU management? Are you curious about the technical details behind "Defined Capacity" and some pitfalls to avoid when exploiting it? Do you want to learn the details behind Group Capacity Limits? Then this session is for you! The speaker will explain the concepts of the WLM CPU and weight management and Defined Capacity in detail. In addition, we will cover the new concept of Group Capacity Limits and how to exploit it.

Level: Advanced

P04 What's New in V1.8 and V1.9 RMF

Harald Bender, IBM

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:

- zSeries Integrated Information Processors (zIIP)
- Blocked Workloads Analysis
- Group Capacity Limits
- XCF Performance Statistics

Additionally, the following features will be discussed:

- Distributed Data Server Resilience
- CIM Performance Data Provider
- The RMF Monitor III Data Portal

and a lot more...

This session includes the details of the latest functions provided with z/OS V1R8 RMF and z/OS V1R9 RMF.

Level: Standard

P05 Analyzing XCF Performance with the RMF Spreadsheet Reporter: Hands-on Lab

Harald Bender, IBM

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 do you 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 Version 5.2.4, 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 transport-class as well as on path granularity
- Powerful filtering options help you to reduce the amount of data and detect bottlenecks

In this 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!

Level: Standard

P06 The RMF Monitor III Data Portal: Hands-on Lab

Harald Bender, IBM

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, it is now possible to explore the configuration and performance of your z/OS system immediately. You need only one HTTP session per sysplex - and this is 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

This lab is suited for beginners as well as for experienced RMF users who have not exploited the Web Browser GUI so far.

Level: Standard

P07 WSC z/OS Performance Hot Topics

Kathy Walsh, IBM

This fast paced, always new, presentation will cover the latest information on recent zSeries, z/OS and OS/390 performance and capacity planning issues. Recent performance enhancements, "gotcha's" and recommendations will be reviewed. Also covered will be the latest information relating to recent performance APARs and WSC performance offerings.

Level: Standard

P08 zAAPs and zIIPs: How Special Are They?

Kathy Walsh, IBM

As IBM introduces new specialty engines such as the zAAP and the zIIP, the performance analyst and the capacity planner need to understand these technologies and how to integrate them into their current environments. This session will describe the latest planning information for zIIPs/zAAPs and will discuss their impacts on processor capacity and performance.

Level: Standard

P09 The XCF Factor: Performance with a Practical Approach

Kathy Walsh, IBM

Well defined XCF environments are key to providing a well running parallel sysplex. XCF is responsible for providing the heartbeat and communications of a z/OS system. XCF signaling becomes more critical as either workloads peak or when recovery actions hit. Will your system fail because some basic XCF configuration guidelines were not followed? This session will discuss the latest information in the areas of XCF performance tuning. It will include practical approaches to understanding the RMF XCF reports and SETXCF commands which can be used for performance tuning. This session will discuss the things you need to know in the areas of XCF performance and capacity planning and will discuss current performance data as it relates to FICON CTCs and Coupling Facilities.

Level: Standard

P10 Introduction to zPCR and Hands-on Lab – Part 1

Jim Shaw, IBM

This session will introduce the attendee to the System capacity planning tool called zPCR. Available from IBM's Washington Systems Center as a free "as is" tool, zPCR should be used by all System z customers to get a better understanding of relative processor capacity when making either LPAR changes or planning a migration to a new processor. zPCR can help you better understand the impacts of configuration changes, such as adding specialty CPs like zIIPs, zAAPS, ICFs or IFLs. Users of the tool can understand how their LPAR implementation can impact overall processor capacity. This session will feature both lecture and hands-on lab exercises aimed at making the attendee more familiar with using zPCR.

Level: Standard

P11 Introduction to zPCR and Hands-on Lab – Part 2

Jim Shaw, IBM

See abstract for Part 1.

Level: Standard

P12 WSC Experiences with TCP/IPSec on the zIIP Processor

Kathy Walsh, IBM

TCP/IPSec has announced support for zIIP processors. The WSC has had the opportunity to exercise the zIIP during their implementation of TCP/IPSec. This presentation will provide an overview of the zIIP as it relates to TCP/IPSec. The CP3000 capacity planning tool has been updated to help estimate the potential cycle requirements to support an IPSec environment. We will also discuss our experiences using this tool to estimate the potential amount of work which could be redirected to the zIIP, and finally, we will share the results of the measurements done by the WSC.

Level: Advanced

P13 WSC Experiences with DB2 Workloads on the zIIP Processor

Kathy Walsh, IBM

The zIIP processor is another specialty engine announced for the System z9 family of processors. The WSC has had the opportunity to exercise the zIIP to evaluate its usage with a mixture of DB2 workloads. This presentation will provide an overview of what the zIIP is as well as show the results of the measurements done by the WSC.

Level: Standard

P14 Performance of MVS™ I/O Systems 2007

Tom Beretvas, Enterprise Performance Strategies, Inc.

This paper summarizes the I/O subsystem measurements for some MVS (z/OS) installations with the intention of determining current I/O performance parameter values. Once the range of customary values is determined, then they can be used for capacity planning, design and setting future objectives. These parameters also yield an idea of how much tuning is still required in the I/O area, and where the emphasis should be. With these objectives in mind, measurement data of recent vintage for about 50 installations are examined. Interesting observations include access density change trends.

Level: Advanced

P15 What MIDAWs Are, and What They Can Do for Your DASD Performance

Tom Beretvas, Enterprise Performance Consultants, Inc.

This presentation discusses what MIDAWs (a new I/O architecture capability for defining how data is read/written) are, where they are used and what their performance impact is. The performance improvements can be very dramatic in some cases and may require revising some operations. This presentation is based mostly on material provided by Mr. Jeff Berger of IBM.

Level: Advanced

P16 WebSphere MQ on z/OS – Introduction and Performance Concepts

Peter Enrico, Enterprise Performance Strategies, Inc.

IBM WebSphere MQ (previously known as MQSeries®) is a network communication technology and is IBM's Message Oriented Middleware offering. It allows for independent and potentially nonconcurrent applications on distributed systems to communicate with each other. OK… that is all very interesting, but as a performance analyst what do you really need to know about WebSphere MQ? During this presentation, Peter Enrico will provide an introduction to WebSphere MQ and messaging concepts.

Level: Basic

P17 WebSphere MQ on z/OS – Performance Considerations

Peter Enrico, Enterprise Performance Strategies, Inc.

IBM WebSphere MQ (previously known as MQSeries) is becoming an ever more critical subsystem exploited by enterprise applications. What are some of the steps one would take to conduct a WebSphere MQ performance analysis or tuning exercise? What are some of the more important MQ performance considerations? What sorts of measurements are available? During this presentation, Peter Enrico will discuss performance considerations for WebSphere MQ. During this presentation, Peter will touch upon the following areas:

- Introduction to WebSphere MQ performance data
- Performance considerations relative to how an application is exploiting messaging
- z/OS setup considerations for optimal WebSphere MQ performance
- Performance consideration when configuring WebSphere MQ resources
- Performance considerations relative to the topology of the application exploiting WebSphere MQ

Level: Advanced

P18 zIIPs and zAAPs – Understanding Transaction Flows and CPU Measurements

Peter Enrico, Enterprise Performance Strategies, Inc.

Today's transactions on z/OS can run on zIIP and zAAP processors, as well as traditional general purpose processors. It is necessary to understand the measurement of the CPU time consumed on these processors at the CEC level, at the WLM service class period level and at the address space level. But to fully understand the measurements, it is important to also understand typical transaction flows that will involve zIIP and zAAP processing since it is these transactions that will consume the CPU service.

During this presentation, the speaker will discuss some typical transaction flows involving zIIP and zAAP processors and how the CPU time consumed is accumulated to the address space SMF 30, the processor SMF 70 and the WLM service class period SMF 72.3 records. Additional topics discussed will include dependent and independent enclaves, client SRBs, unmanaged treads and other key concepts necessary to understand the interpretation of zIIP and zAAP CPU times.

Level: Standard

P19 WLM – Revisiting Goals in 2008

Peter Enrico, Enterprise Performance Strategies, Inc.

Ok…soon it will be 2008 and the z/OS Workload Manager will be nearly 15 years old. It is most likely that there are still some cobwebs lurking around your WLM Service Definitions. Things are now running well, goals are being met and your resources seem to be efficient. However, there is still always work to be done. Over time, your workloads change or are added, your systems change and your hardware changes. Such changes should cause you to reevaluate your WLM goals. Maybe you will need to add or delete a service class here or there. Maybe a new velocity goal is in order.

During this presentation, Peter Enrico will help you to start thinking about how and when to revisit goals over time. This presentation is the long awaited update to Peter Enrico's original Revisiting Goals presentation. Discussed will be regular questions you need to ask when any major change is planned for your system or Sysplex. You will gain a better understanding of what sort of changes will affect your WLM goals.

Level: Standard

P20 Using the IBM Tivoli Universal Agent to Enhance z/OS Monitoring

Mike Bonett, IBM

The IBM Tivoli Universal Agent is a hidden treasure that allows the integrated monitoring of almost any technology environment into the OMEGAMON and IBM Tivoli Monitoring architecture. This session will introduce the Universal Agent and provide technical examples of how it can expand OMEGAMON monitoring into additional z/OS areas beyond the OMEGAMON and ITCAM product functions, and use the information to enhance a consolidated view of the environment.

Level: Advanced

P21 Monitoring an End-to-End Environment Using the IBM Tivoli Enterprise Portal

Mike Bonett, IBM

Every z/OS environment coexists with a distributed environment and contains applications that use platform and network resources across both environments. End-to-end monitoring is required to span the "islands" of technology monitoring to show the overall application health, end-user experience and where among the application components problems may be occurring. This session provides information and examples of using OMEGAMON, IBM Tivoli Monitoring and custom functions to monitor an end-to-end environment via the IBM Tivoli Enterprise Portal.

Level: Advanced

P22 Memory Matters in 2008

Martin Packer, IBM

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 presentation 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. One topic of particular importance to installations upgrading z/OS is the Release 8 Real Storage Manager rewrite.

Level: Standard

P23 Much Ado About CPU

Martin Packer, IBM

zSeries and System z9 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.

Level: Standard

P24 Getting Started in Capacity Planning – Part 1

Ray Wicks, Consultant

This two part session introduces some of the basic concepts in Capacity Planning. Getting started begins with some basic views of performance data. The performance data is organized by a data model (a conceptual structure). The data model identifies data to track over time (some trending analysis), thus leading to the first step towards a capacity plan. Included in the session is a set of definitions (performance metrics), a very quick view of expectations from queuing theory and a simple capacity plan.

Level: Basic

P25 Getting Started in Capacity Planning – Part 2

Ray Wicks, Consultant

See abstract for Part 1.

Level: Basic

P26 z/OS Capacity Planning with zIIP and zAAP Processors

Marty Deitch, IBM

This session will demonstrate a capacity planning methodology for z/OS systems using performance modeling techniques. The session will start with a basic overview of Performance Management and Capacity Planning topics. Next, a demonstration will be shown that illustrates how performance modeling tools can be used to predict when capacity upgrades are needed. This session will include the analysis of zIIP and zAAP CPs as well as the general purpose CPs.

Level: Advanced

P27 CICS Performance Management Best Practices

Ivan Gelb, Gelb Information Systems

Performance management controls of CICS Transaction Server (TS) greatly affect performance and the effective capacity of a processor complex. This presentation focuses on the best practices for CICS controls and z/OS environmental factors which affect a CICS region's overall performance, total required processor capacity, real and virtual storage and disk input/output service. Workload Manager (WLM) definitions that may help or hinder CICS will be included.

Level: Advanced

P28 Top-Ten Best Practices for Improved z/OS Performance and Lower TCO

Ivan Gelb, Gelb Information Systems

Yes, it is possible to improve performance of a z/OS environment while also lowering the TCO (Total Cost of Ownership). The areas covered in this session include: CICS, DB2, IRD, PR/SM, VWLC, WLM, zAAP, just to name a few. This Top-10 collection is based on recent experience from over 50 major installations. Attendees of this session will learn proven best practices on how to set up, customize, report and analyze the performance and capacity of z/OS and its major subsystems while never loosing sight of the effects on the TCO.

Level: Advanced

P29 z/OS WLM, Transactions, Servers and You!

Glenn Anderson, IBM

Today your z/OS system is filled with transactions and server address spaces of all types. Remote DB2 queries, Stored Procedures, WebSphere App Server, CICS, IMS, WebSphere MQ, UNIX Daemons, etc. How does the Workload Manager (WLM) deal with all these different kinds of work? It uses a number of WLM services - enclaves, application environments, execution delay monitoring services along with a combination of response time and velocity goals. This session will cover these advanced WLM services along with proper use of classification rules and RMF reporting, all wrapped together in one quick hour of useful WLM information!

Level: Standard

P30 A z/OS WLM Guy Discovers Enterprise Workload Manager™ (EWLM)

Glenn Anderson, IBM

Enterprise Workload Manager (EWLM) provides a way to monitor and respond to workload processing across multiple systems in a distributed heterogeneous environment. Now there are three words that strike fear into the heart of an old MVS guy - distributed heterogeneous environment! However, EWLM is an example of mainframe technology (z/OS WLM) migrated out to distributed platforms, so that is a bit comforting. In this session, Glenn Anderson, long-time WLM instructor, will share his impressions and experiences with EWLM. Just what is this EWLM thing anyway? How does EWLM fit with z/OS and WLM? Does it make sense to use both products? Why should System z people care about EWLM in the first place? Let's talk.

Level: Basic

P31 Getting the Most Out of IBM Tivoli OMEGAMON XE for Storage on z/OS

Ted Ehrlich, IBM

In this session we will examine some typical storage problems and use IBM Tivoli OMEGAMON XE for Storage on z/OS to diagnose and correct them. We will look at direct situation analysis and using the storage toolkit to resolve problems. Additionally, we will look at tuning tips to control the resource utilization of the product to maximize functionality while conserving resources.

Level: Advanced

P32 IBM Tivoli OMEGAMON XE on z/OS Support for Specialty Engines

Lawrence Hart, IBM

In recent years, several specialized processing engines have been introduced on the IBM System z platform to complement standard CPs. Most recently, the IBM System z9 Integrated Information Processor (zIIP) was introduced to enhance the performance of specific DB2 functions. The IBM System z Application Assist Processor (zAAP) is designed to improve throughput of business workloads running Java code. Prior to zAAPs and zIIPs, the Integrated Facility for Linux (IFL) was added to make processing resources available exclusively for Linux workloads. The Integrated Coupling Facility (ICF) was introduced before all of these to provide cost-effectiveness and flexibility in configuring a parallel sysplex.

This presentation highlights the support for specialty engines currently available in IBM Tivoli OMEGAMON XE on z/OS and through the OMEGAMON for MVS "classic" 3270-based interface.

Level: Advanced

P33 WLM and z/OS Performance: Ask the Experts

Panel of Speakers

This session is a chance for you to ask the experts any questions in the areas of WLM and general z/OS performance issues.

Level: Standard

z/OS Transactions, Database and Networking

W01 z/OS Communications Server – Technical Update

Alfred Christensen, IBM and Sam Reynolds, IBM

This session will present the latest and greatest capabilities of the Communications Server on z/OS. This session will focus on enhancements provided in the z/OS CS V1R9 release, allowing attendees to start planning for use of those new functions. Among the Communications Server for z/OS V1R9 new functions that will be discussed are: z/OS support for policy-based routing (PBR), enhanced z/OS FTP support for UNICODE, centralized networking policy management and network security services, new Sysplex Distributor algorithm, Sysplex Distributor support for WLM feedback that includes specialty engine capacity if appropriate for the distributed workload, EE/SNA enhancements and Configuration Assistant enhancements.

Level: Standard

W02 SNA Modernization and Transformation

Alfred Christensen, IBM

Modernizing SNA is not about rewriting or throwing away SNA applications – it is about preserving SNA applications and the way end users use and access those applications, and it is about enabling reuse of SNA applications in both a browser-based end-user environment and in a Web services-based environment - in a manner that is transparent to the existing SNA applications. This session will focus on how to meet such overall objectives in a fast changing networking environment where many of the traditional SNA networking hardware components from both IBM and other vendors no longer are marketed, and where the main wide area networking protocol no longer is SNA, but IP.

The session will present a structured approach to modernizing the SNA network infrastructure and modernizing access to SNA applications. Until recently, modernizing an SNA infrastructure meant enabling APPN and Enterprise Extender. Today, SNA installations can choose to stay with SNA sub-area technologies and still modernize the SNA network infrastructure using IBM's Communication Controller for Linux (CCL) on System z. Modernizing access to SNA applications can be approached using many different solutions. This session will provide the framework for such modernization and present an overview of available solutions from IBM, such as Host Access Transformation Services (HATS).

Level: Advanced

W03 Getting Started with Enterprise Extender on z/OS

Sam Reynolds, IBM

Enterprise Extender (EE) is a valuable technology that allows you to preserve your SNA application investment while exploiting the advantages of a consolidated IP backbone. EE allows you to utilize an IP network for the transport of SNA traffic, including SNA traffic between different companies (SNI). In this session we will take a look at the basic concepts and advantages of EE and examine the basic steps for defining EE in a z/OS network.

Level: Standard

W04 Enterprise Extender: Recent and Future Enhancements

Sam Reynolds, IBM

This session reviews Enterprise Extender enhancements in z/OS V1R6, V1R7 and V1R8 CS, and takes a look at EE enhancements planned for the upcoming z/OS V1R9 Communications Server release. It includes topics such as:

- EE connection network reachability awareness
- The DISPLAY EE command
- The DISPLAY EEDIAG command, including V1R8's TEST capability
- HPR Path Switch Summarization
- EE Enhanced Packet Loss Tolerance
- EE LDLC Granularity

Level: Advanced

W05 TN3270 Access to Mainframe SNA Applications – A Tutorial

Alfred Christensen, IBM

Just about any mainframe installation uses a TN3270 server infrastructure to provide workstation access to mainframe SNA IBM 3270-based applications in TSO, CICS, IMS or other subsystems on z/OS, z/VSE, z/VM or TPF. What is TN3270, where should the TN3270 server(s) be located, how do we design for high availability of the TN3270 service, how do we maintain location-related SNA LU names in a TN3270 environment, how do we provide security in a TN3270 environment and how do we manage the TN3270 environment? These are some of the questions this tutorial/planning session will cover through an introduction to the basic concepts of the TN3270 protocol, an overview of the TN3270 server functions on the z/OS and System z9/zSeries Linux platforms and a discussion of a set of TN3270 server implementation alternatives.

Level: Standard

W06 Enterprise Content Management on System z

Mike Zimmer, IBM

Enterprise Content Management (ECM) solutions enable organizations to manage unstructured information, streamline and monitor business processes and achieve and maintain regulatory compliance. This session will cover why the System z is the ideal server for ECM applications and overview IBM's ECM solutions for System z.

Level: Standard

W07 Transforming Green Screen Application Interface to Web Using HATS: Case Studies

Anthony Lewitt, IBM

Do you have legacy green screen applications that you would like to integrate with your Intranet or Internet Web sites or your enterprise portals? This session will use customer case studies to introduce the process of extending the reach and enhancing the user experience of existing green screen applications using WebSphere Host Access Transformation Services (HATS). WebSphere HATS technology makes your existing 3270 (zSeries) or 5250 (iSeries) applications available as HTML through the most popular Web browsers without having to change the existing applications. In this session, we'll discuss the powerful transformation features of WebSphere HATS and use the case studies to demonstrate how some of these features can greatly enhance and simplify a user's experience with the applications and extend the reach of these applications to business partners, suppliers and new users within the company. This session will also review key enhancements and new features available with the new version (v7) of WebSphere HATS, released 03/07, including enhancements supporting Lotus Expeditor.

Level: Standard

W08 z/OS WebSphere Benchmarks – Lessons Learned

Mary Astley, IBM

What are the steps to perform a Proof of Concept (POC) benchmark? The goal of this session is to provide a basic understanding of how to perform a POC benchmark. A roadmap of steps for planning and executing benchmark with z/OS WebSphere will be presented. This approach to benchmarks was developed using the experiences and "lessons learned" from many z/OS WebSphere benchmarks.

Level: Standard

W09 WebSphere Application Server for z/OS V6 Implementation

Hugh Watson, IBM

WebSphere Application Server Version 6.1 for z/OS is the WebSphere product to run on z/OS systems. It provides the ability to build robust commercial Java applications using Enterprise Java Beans (EJBs). It is the platform that supplies the infrastructure needed to support the deployment, execution and management of J2EE-based application components in the z/OS environment. This session will step you through the implementation of WebSphere Application Server for z/OS Version 6.1 in the z/OS environment.

Level: Standard

W10 Analyzing WebSphere Resource Utilization on z/OS

Lyndon Bowlin, IBM and Carl Wohlers, IBM

Given a granular WLM service policy and appropriate isolation of the WebSphere infrastructure from WebSphere application processing, it is practical to identify issues, understand the impact of an application and assess the value of zAAP and zIIP specialty processors. This session will offer examples of real workloads and demonstrate how to analyze the environment using readily available SMF data and RMF reports. This session will also feature the reporting provided by zCP3000, an IBM tool. While the tool is not available for direct customer use, you will want to know what this tool is capable of doing so you can ask your IBM representative to run it for you.

Level: Advanced

W11 WebSphere Portal Enable for z/OS V6.0 – Part 1: Installation and Configuration (Best Practices)

Lyndon Bowlin, IBM, Eric Wuthenow Jr., IBM and John Cowel, IBM

WebSphere Portal Enable for z/OS V6.0 is the front end for implementing a SOA. Portals are used to help organizations rapidly respond to change by integrating the applications, transactions and data in a SOA environment to a single point on the desktop. These sessions will provide insight into the implementation of Portal on z/OS as the entryway into implementing a SOA. This session will walk you through a customer implementation of Portal Enable for z/OS utilizing best practices for a successful portal deployment on z/OS.

Level: Standard

W12 WebSphere Portal Enable for z/OS V6.0 – Part 2: Integrating into Enterprise

Lyndon Bowlin, IBM, Eric Wuthenow Jr., IBM and John Cowel, IBM

WebSphere Portal Enable for z/OS V6.0 is the front end for implementing a SOA. Portals are used to help organizations rapidly respond to change by integrating the applications, transactions and data in a SOA environment to a single point on the desktop. These sessions will provide insight into the implementation of Portal on z/OS as the entryway into implementing a SOA. This session will show you how to integrate your existing assets with tools such as Host Access Transformation Services (HATS) and WebSphere Process Server. For new assets, we will look at WebSphere Portlet Factory and IBM Workplace Forms.

Level: Advanced

W13 WebSphere Process Server for z/OS V6.0 – Installation and Configuration (Best Practices)

Lyndon Bowlin, IBM, Eric Wuthenow Jr., IBM and John Cowel, IBM

WebSphere Process Server for z/OS V6.0 is the next generation business process integration server that has evolved from proven business integration concepts, application server technologies and the latest open standards. This session will walk you through a customer implementation of Process Server for z/OS utilizing best practices for a successful process server deployment on z/OS.

Level: Advanced

W14 WebSphere Application Server: A Survey of Data Collection Options

Hilon Potter, IBM

One of the fundamental premises of an application server is that your application shouldn't read or write anything on its own. As a result, there are many ways to get to data and other services from an application running in WebSphere Application server. This session will review the latest list of connector technology and provide some comparisons where there are choices, but will not make recommendations. The correct answer is always "It depends."

Level: Advanced

W15 DB2 for z/OS Technology Update

Peggy Zagelow, IBM

DB2 9 for z/OS became generally available in March, 2007. This release of DB2 has many features to benefit new applications, help in your compliance efforts and reduce the complexity and cost of DB2 for z/OS. In addition, there have been enhancements to DB2 for z/OS V8, including adding zIIP capability and additional function. Come hear about updated DB2 for z/OS technology.

Level: Standard

W16 DB2 for z/OS Stored Procedures: Futures, Best Practices and FAQ

Peggy Zagelow, IBM

Today's enterprise network computing solutions often includes stored procedures. This presentation addresses the current hot topics in developing and managing stored procedures in DB2 for z/OS. Topics include a discussion of how to avoid pitfalls and common problems, including help on debugging stored procedure applications, performance considerations and managing the environment. User-defined function execution is also covered by these topics.

Level: Advanced

W17 Plug and Play with DB2 for z/OS

Peggy Zagelow, IBM

Today's enterprises often need to piece together DB2 with MQSeries queues, Web services requests, CICS transactions, XML data, IMS data and more. IBM has been providing support for the various pieces over the last few years, and this presentation discusses the considerations for deciding how to hook the pieces together, along with some real-world scenarios.

Level: Standard

W18 Isolating Communications Server for z/OS Problems with NetView and OMEGAMON for Mainframe Networks

Jeff Weiner, IBM

Hear examples of how to isolate IBM Communications Server for z/OS networking problems in environments such as TCP/IP, FTP, Enterprise Extender and DVIPA. Tools will include IBM Tivoli OMEGAMON XE for Mainframe Networks and IBM Tivoli NetView for z/OS.

Level: Advanced

W19 What's New in WebSphere MQ and WebSphere Message Broker?

Karen Smolar, IBM

Come to this session to hear the most recent news about updates to WebSphere MQ and WebSphere Message Broker. This session will provide an overview of WebSphere MQ V6 and WebSphere Message Broker V6, and then concentrate on capabilities added since the initial releases. We'll spend some time going over the significant improvements and enhancements so that you know what's available and how to get the most from these products.

Level: Standard

W20 CICS Transaction Server V3 Update

Leigh Compton, IBM

CICS Transaction Server for z/OS is a modern transactional application server designed to execute demanding mixed-language application workloads and to enable those applications easily to be integrated with enterprise solutions. CICS Transaction Server for z/OS (CICS TS) V3 provides open standards-based connectivity while preserving the long-established CICS qualities of security, reliability, data integrity and optimal application responsiveness. Enhancements in CICS TS V3 provide value in four areas:

- Application integration: Extending existing applications beyond their original designs to support integrated business processes via standard APIs and protocols
- Application reuse: Enabling the creation of components from existing applications which are more flexible and configurable for use in new applications
- Service management: Enabling effective management of large runtime configurations via modern user interfaces, so that demanding service level and IT governance objectives can be met
- Architectural enhancements: Relieving constraints on processing, configuration or data capacities to allow for continued application and system growth

Level: Standard

W21 Implementing Web Services for SOA in CICS TS V3

Leigh Compton, IBM

CICS TS V3.1 provides tooling and runtime changes to enable you more easily to implement Web services in CICS. Tools are provided to assist you in preparing existing application programs to become Web services and also to assist with starting from WSDL and implementing a program in CICS which can act as the Web service as defined in the WSDL. This presentation explains the tooling provided and how it can be used. It also explains the runtime support for Web services. If you need to know the technical detail of Web services in a CICS environment, then this presentation will be useful to you.

Level: Standard

W22 Accessing IMS Transactions Using WebSphere Developer for zSeries and IMS SOAP Gateway

Kenny Blackman, IBM

The IMS SOAP Gateway provides the Web service functions that facilitate SOAP client access to IMS application programs. Different types of SOAP client applications, such as WebSphere Message Broker, Microsoft .NET, Java and third-party applications, can submit SOAP requests to IMS to access the business logic of the IMS application program. The XML Services function in WebSphere Developer for zSeries is used to generate the Web service artifacts that enable SOAP client access to existing IMS applications without requiring modification to the IMS application programs. This presentation will describe the process to build and deploy a SOAP Web Service to access an IMS application program and how IMS applications can access SOAP Web Services. This session is intended for customers who are planning and designing SOA solutions that support SOAP clients.

Level: Advanced

z/VM and Virtualization

– z/VM Basics Sessions (B4x and B5x) –

B41 Running z/VM to Host Linux – Installation and Customization – Part 1

Richard Lewis, IBM and Chuck Morse, IBM

With the rapid growth and popularity of Linux on zSeries, many businesses are faced with the challenge of deploying a z/VM system to support the planned Linux workload. This four-part, hands-on lab is designed to begin the process of developing z/VM system programming skills. The seminar will begin with an overview of z/VM and virtualization concepts. Following this, attendees will watch a complete z/VM installation in an LPAR. The remainder of the lab will be devoted to giving each student the opportunity to perform the various system programming tasks necessary to configure a new z/VM installation for use and cloning Linux virtual machines in a z/VM environment. Each team of attendees at a workstation will have a complete z/VM system running in a virtual machine to configure and work with. Skills developed through this lab may be reinforced through attendance at other conference sessions.

Level: Basic

B42 Running z/VM to Host Linux – Installation and Customization – Part 2

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B41.

Level: Basic

B43 Running z/VM to Host Linux – Installation and Customization – Part 3

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B42.

Level: Basic

B44 Running z/VM to Host Linux – Installation and Customization – Part 4

Richard Lewis, IBM and Chuck Morse, IBM

This session is a continuation of Session B43.

Level: Basic

B51 Virtualization Basics

Dr. Brian Wade, IBM

The latest buzz word in the industry seems to be “virtualization.” As we have learned over the years, one needs to be careful with buzzwords. This presentation will not cover all the possible definitions for virtualization. It will give you a strong understanding of what virtualization means in the context of the z/VM operating system, and this can be used to contrast with what others are calling virtualization. Key topics covered in this presentation include: the virtual machine model, the key components of z/VM, the role of the SIE instruction and the virtualization and management of various resources (processor, memory and I/O).

Level: Basic

B52 The z/VM Control Program (CP): Part 1– Useful Things to Know

John Franciscovich, IBM

Come to this session for an introduction to the z/VM Control Program (CP) and to learn about some of the things (“what”) it does for you. After an overview of CP and how it uses disk space, storage and devices, we’ll cover starting (IPLing) your z/VM system, defining virtual machines, virtual networking and various ways you can interact with CP. This session continues in Part 2 (Session B53) where we’ll take a look at “how” CP does its work.

Level: Basic

B53 The z/VM Control Program (CP): Part 2 – Under the Covers

John Franciscovich, IBM

In Part 1 (Session B52), we looked at "what" the z/VM Control Program (CP) does for you. Come to this session for a look under the covers at "how" CP operates, including the steps it takes to IPL and shut down CP and how CP manages storage (memory) and processor resources among virtual machines so they can do their work efficiently. We'll also cover diagnostic information that can be useful for testing and problem determination.

Level: Basic

B54 The Basics of Using z/VM

Christine Casey, IBM and Brian W. Hugenbruch, IBM

If you are new to z/VM with either a Linux and/or z/OS background, or if you had simply stepped away from VM for a while and want a VM refresher, this is the session for you!

We will show you which VM commands to use, how data is stored, what the file system looks like, how to edit files and introduce some of the many tools available for you to be productive in this new environment.

Level: Basic

B55 z/VM TCP/IP Stack Configuration

Miguel Delapaz, IBM

This presentation is an in-depth look at configuration of the z/VM TCP/IP server. Basic and advanced configuration topics will be discussed, with an emphasis on practical examples. Topics such as elementary routing, network hardware and security are discussed in as much depth as necessary to provide an understanding of how to configure them on the z/VM TCP/IP server. Common configuration errors will also be addressed. While prior experience with z/VM TCP/IP is not necessary for attendees, some basic knowledge of z/VM minidisk structure is assumed.

Level: Basic

B56 Introduction to VM Performance

Dr. Brian Wade, IBM

If you are just getting started understanding VM performance, this presentation will give you the foundation and tools you need to tackle various performance problems. We will talk about configuration guidelines, monitoring and tuning, and look at a simple case study, with pointers to additional information so that you can learn even more on your own.

Level: Basic

B57 Introduction to Automatic SSL Support in z/VM TCP/IP

Brian W. Hugenbruch, IBM

SSL (Secure Socket Layer), also known as TLS (Transport Layer Security), is traditionally used to secure Web transactions over the Internet. Most VM Web servers support SSL. However, this protocol has also been extended to Telnet and FTP. IBM implemented automatic SSL support in order to provide general-purpose SSL support for z/VM TCP/IP servers without having to change each server individually. This session explains SSL from an external's viewpoint and describes how to exploit it with z/VM TCP/IP.

Level: Basic

B58 Introduction to Performance Toolkit for VM

Bruce Dailey, IBM

The Performance Toolkit for VM is an optional, priced, pre-installed feature of z/VM that provides enhanced capabilities for a z/VM systems programmer, system operator or performance analyst to monitor and report performance data. Come to this session to see an overview of the function available.

Level: Basic

G52 Introduction to REXX: Hands-on Lab – Part 1

Christine Casey, IBM and John Franciscovich, IBM

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 in Session G53.

Level: Basic

G53 Introduction to REXX Hands-on Lab – Part 2

Christine Casey, IBM and John Franciscovich, IBM

This session is a continuation of Session G52.

Level: Basic

– z/VM Networking and Connectivity Sessions (V2x) –

V21 TCP/IP for z/VM Update

Tracy Adams, IBM

z/VM V5.3 includes TCP/IP Function Level 530, 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 with z/VM V5.2.

Level: Standard

V22 MPRoute Configuration for z/VM

Miguel Delapaz, IBM

This presentation discusses the configuration of MPRoute, the strategic dynamic routing server for z/VM TCP/IP. Topics include z/VM TCP/IP server configuration to work with MPRoute, configuration of the z/VM MPRoute server for the RIP or OSPF protocols (or both!) and MPRoute server operation. Discussion of the routing protocols themselves is limited to how they affect configuration and operation of the server. While knowledge of OSPF and RIP specifics are not required, a basic knowledge of routing concepts is assumed. Prior knowledge of z/VM TCP/IP or attendance at Session B55 (z/VM TCP/IP Stack Configuration) is recommended.

Level: Standard

V23 Virtual Networking with z/VM Guest LANs the z/VM Virtual Switch

Tracy Adams, IBM

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.

Level: Standard

V24 Migrating to the z/VM Virtual Switch

Alan Altmark, IBM

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 even 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.

Level: Standard

V25 Configuration Tools for z/VM TCP/IP Network Connections

Miguel Delapaz, IBM

In this session you will learn how to become a WIZARD at configuring TCP/IP connections. We will cover the new TCP/IP functions that were introduced beginning with z/VM V4.3. The IPWIZARD function allows you to quickly and easily do the base configuration as you first try and get TCP/IP running. The IFCONFIG command allows you to quickly and easily add new connections to your running TCP/IP stack. With these functions, you can get your connections up and running quickly without having to learn the format of the z/VM TCP/IP configuration files. The IFCONFIG command allows you to display information about and make temporary dynamic changes to the TCP/IP configuration without stopping and restarting the TCPIP virtual machine. The command syntax is very similar to that of Linux, making skills more transferable.

Note: This session will start at 8:00 AM.

Level: Standard

V26 Link Aggregation with the z/VM Virtual Switch

Tracy Adams, IBM

Link Aggregation is a new feature of z/VM V5.3. Already using a z/VM Virtual Switch to manage your network connections? Want to find out how to get even 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.

Level: Standard

– General Interest Sessions (V5x) –

V51 New Features of the z/VM V5.3 Hypervisor

John Franciscovich, IBM

The latest releases of z/VM include many enhancements to the z/VM Control Program. These include additional support for Linux guests, virtual networks and guest connectivity, as well as technological enhancements for IBM System z servers. Come to this session to learn about the newest features of the z/VM Control Program and how to use them.

Level: Advanced

V52 z/VM Device Support Overview

Eric Farman, IBM

Come to this presentation to hear an overview of current device support available on z/VM Version 5. The speaker will discuss Disk, Tape and OSA technologies available for VM system I/O and guest operating systems running under z/VM. This presentation is also well-suited for an audience new to z/VM.

Level: Standard

V53 z/VM Platform Update: Introducing z/VM V5.3 – Advancing the Art of Server Virtualization

Reed Mullen, IBM

This presentation will highlight the new functions available with z/VM V5.3, IBM's advanced server virtualization solution for IBM System z. z/VM V5.3, generally available since June 29, 2007, offers enhanced virtualization capabilities which include: greater "scale up" and "scale out" support, new system security features, productivity improvements for the IT staff and enhanced support for business continuance. Find out how z/VM V5.3 can help clients further leverage their System z infrastructure for improved business results.

This session also serves as an excellent launching point for your week of z/VM training, touching on many of the topics that will be discussed at length during the conference.

Level: Standard

V54 z/VM Platform Manager: z/VM Direction and Discussion

George Madl, IBM

This session is an open dialog and discussion with the IBM z/VM Product Owner and Platform Manager and development team to discuss the z/VM role in the future.

Since April 2004 when IBM announced z/VM V5.1, a new IBM VM operating system based on the new 64-bit z/VM z/Architecture, IBM announced the follow-on release in July 2005 - z/VM V5.2 enhances scalability for virtualization on IBM System z, including Linux guests. And in April 2006, announced enhancement to z/VM V5.2 in support of Linux guests.

On February 6, 2007, IBM announced z/VM V5.3 - Improving scalability, security and virtualization technology, and it became generally available June 29, 2007.

The z/VM hypervisor is designed to help clients extend the business value of mainframe technology across the enterprise by integrating applications and data while providing exceptional levels of availability, security and operational ease. z/VM virtualization technology is designed to allow the capability for clients to run hundreds to thousands of Linux servers on a single mainframe running with other System z operating systems, such as z/OS or as a large-scale Linux-only enterprise server solution. z/VM V5.3 can also help to improve productivity by hosting non-Linux workloads such as z/OS, z/VSE and z/TPF.

Level: Basic

V55 z/VM Live Guest Migration

Romney White, IBM

z/VM Live Guest Migration moves a running guest from one z/VM system to another with, at most, a brief interruption to its service. From the guest's perspective, nothing significant changes in its environment. This session describes a potential approach to creating this capability, explains the motivation for developing it and includes a technology demonstration.

Level: Standard

G51 The Business Value of System z Virtualization Leadership

Reed Mullen, IBM

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 solving the "server sprawl" problem. Perception is not always reality. This session will explain why System z virtualization support offers higher 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.

Level: Basic

L14 Understanding the Technology Advantages of Running Linux on z/VM

Reed Mullen, IBM

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.

For additional sessions of this theme, please check the z/VM sessions.

Level: Standard

– z/VM System Management Sessions (V6x) –

V61 Systems Management on z/VM
Christine Casey, IBM

As more customers discover the benefits of z/VM virtualization technology and begin to deploy tens to hundreds of virtual images, they will need ways to easily manage their systems. This updated presentation gives an overview of recent developments in systems management on z/VM, including systems management enhancements for z/VM's newest release and an integrated systems management view from the HMC.

Level: Standard

V62 z/VM Linux Guest System Deployment and Management with IBM Director
Christine Casey, IBM

IBM Director 5.20 provides basic systems management for Linux on IBM System z and z/VM. For Linux on System z, the base Director functions such as monitoring, event action plans, task scheduling, etc., are available like on any other IBM platform. For z/VM, a Director extension called "z/VM Center" enables you to provision, configure and manage Linux guests from a Director console. Learn more about these capabilities at this session!

Level: Standard

V63 Configuring, Customizing and Modifying Your z/VM System without an IPL
John Franciscovich, IBM

Configuring your VM system is easier than it's ever been. Most changes to your VM system configuration may be done dynamically without requiring a system outage. This session will provide hints and tips on exploiting VM CP configuration capabilities, including creating the system configuration file, defining IPL parameters and dynamically adding, redefining and removing resources from your CP configuration.

Level: Advanced

V64 DirMaint Implementation and Configuration for z/VM V5.3
Gary Detro, IBM

Attend this informational session and see the step-by-step implementation process for this pre-installed (priced, optional) feature of z/VM 5.3.0. The IBM Directory Maintenance product (DirMaint for z/VM) is a Conversational Monitor System (CMS) application that allows you or additional system administrators to provide for local management of virtual machine definitions. Attendees will observe how DirMaint's command-line interface and automated facilities can simplify day-to-day handling of requests for virtual machine creation, modification and cloning utilizing the z/VM FlashCopy® facility. Additionally, you will see how you can create additional virtual machines to assist or back up the primary directory administrator.

Level: Standard

V65 Introduction to the IBM System Storage DS6000
Eric Farman, IBM

This presentation brings you up to date on the IBM System Storage DS6000, an affordable storage solution specifically designed to help medium and large enterprises simplify their storage infrastructures, support business continuity and optimize information life cycle management. The DS6000 provides both SCSI and FICON attachment, enabling it to serve the needs of your z/OS, z/VSE, z/VM and Linux operating systems.

Note: This session will start at 8:00 AM.

Level: Standard

V66 Using z/VM in a SCSI Environment
Eric Farman, IBM

This presentation will provide an overview of the z/VM new native support for SCSI disks and how they can be used to install, IPL and run your z/VM system in a SCSI-only environment. z/VM Version 5 supports SCSI FCP disk logical units (SCSI disks) for both system and guest use. SCSI disks can be used as emulated 9336 Model 20 fixed-block-architecture (FBA) disks. Guests that support FBA disks (such as CMS, GCS and VSE) can use SCSI disks through the emulated-FBA support without requiring their own SCSI support. VM's SCSI support allows a Linux server farm to be deployed on z/VM in a configuration that includes only SCSI disks. ECKD™ disks are no longer required. Installation of z/VM from DVD to a SCSI disk, IPL from a SCSI disk using Stand-Alone Program Loader (SAPL) and VM system dumps to a SCSI disk are supported. DASD Dump/Restore (DDR) services using SCSI disks are supported when DDR is running under CMS. This presentation will also provide information on current updates, such as new support for the IBM SAN Volume Controller (SVC).

Level: Standard

V67 z/VM and TS1120 Tape Encryption
Eric Farman, IBM

The IBM System Storage TS1120 tape drive is now capable of encrypting tapes as it writes them. This presentation will provide a high-level overview on how the solution works and how to utilize the tape encryption support available for z/VM Version 5 and its guests, including those guests that do not understand tape encryption themselves.

Level: Standard

V68 Managing z/VM and Linux on System z
Tracy Dean, IBM

Whether you're using z/VM for the first time to support Linux guests, using z/VM again after a few years away from the platform or expanding your use of z/VM due to server consolidation to Linux on System z, you'll need to decide how you'll manage the new or growing system. Come hear what IBM has to offer to help you manage this environment more efficiently and effectively. This presentation will include automated operations, backup and restore, tape management and archiving. This session will include a live demo.

Level: Standard

V69 z/VM and Linux on System z – Integrating IBM's Solutions
Tracy Dean, IBM

IBM offers several solutions that touch on systems and performance management of z/VM systems, including their Linux guests. This session will discuss the role of each product (including Performance Toolkit for VM, OMEGAMON XE on z/VM and Linux, and Operations Manager for z/VM) and how they can be integrated. Examples of performance and system management scenarios will be discussed, including live demos. Come review what IBM offers in the operations/scheduling functions for z/VM.

Level: Standard

– z/VM Security Sessions (S7x) –

S71 z/VM Security Update
Alan Altmark, IBM

This session provides detailed information about the security enhancements in z/VM V5.3. We will discuss mixed-case passwords, password phrases, LDAP, directory commands and enhancements to the support for SSL/TLS in TN3270E, FTP and SMTP.

Level: Standard

S72 RACF Implementation and Configuration for z/VM V5.3

Gary Detro, IBM

Attend this session and see the step-by-step process of implementing Resource Access Control Facility (RACF) Feature for z/VM on your z/VM V5.3 system. This implementation overview provides the z/VM system programmer with a guided tour of the RACF Program Directory. Discussion of what optional steps really should be performed and more importantly how you perform those steps when implementing RACF on your z/VM V5.3 system for the first time.

Level: Standard

S73 Securing Linux with RACF on z/VM

Alan Altmark, IBM

In this session we will discuss the new z/VM LDAP server and how to use it with the z/VM RACF Security Server. Learn how to create a shared user name space and authenticate Linux users against the RACF database!

Level: Standard

S74 A Holistic Approach to Getting Started with RACF in a z/VM Environment

Rob Weiss, IBM

Here's a new slant on RACF and Security through a standards-based approach to securing your z/VM environment with RACF. This session is structured around ISO-17799-2. This session will address most aspects of the typical z/VM environment, including common service machines. The concepts can be easily extended to non-IBM products. It is presumed that you already have a working knowledge of RACF, its commands and z/VM.

Level: Advanced

– z/VM Performance Sessions (V9x) –

V91 z/VM Performance Update

Dr. Brian Wade, IBM

The speaker will cover new developments in VM Performance. Topics include the latest z/VM releases and performance-related service. We will also look at some performance development in the area of Linux guest support.

Level: Advanced

V92 z/VM Guest Performance

Dr. Brian Wade, IBM

How does VM impact the performance of a guest? This session will look at the factors that are involved with guest performance. This includes an overview of CP facilities to improve guest performance. This session will not be specific to any particular guest system. The speaker will describe cases where different guest operating systems behave differently.

Level: Standard

V93 Performance Toolkit for VM – Product Update

Bruce Dailey, IBM

Performance Toolkit for VM is a powerful tool from IBM for monitoring z/VM system performance that was introduced as a priced feature with z/VM V4.4. With additional enhancements in z/VM V5.1, Performance Toolkit replaced VMPRF and RTM. This presentation will focus on the enhancements to Performance Toolkit for VM that are associated with z/VM V5.2 and with the newly available z/VM V5.3.

Level: Standard

V94 Performance Toolkit for VM Installation and Configuration for z/VM V5.3

Gary Detro, IBM

The Performance Toolkit for VM is designed to assist operators and system programmers or analysts to determine system bottlenecks and potential system problems regarding system performance. The full screen operator feature (Basic Mode) provides a facility for the management of daily operations of one or more VM systems. The performance-monitoring feature of the product (Monitor Mode) provides real time performance monitoring which allows system programmers to monitor system performance and to analyze bottlenecks. The batch facility of Performance Toolkit for z/VM (Batch or VMPRF mode), allows for the processing of historic Monwrite data. The Linux interface allows this product to extract performance data from all of your Linux images and displays that information from a central Web interface as well as displaying application monitor data generated by Linux guests of your z/VM system. Learn how to configure this pre-installed (priced, optional) feature of z/VM V5.3.0 for local management or via a secure Web interface.

Level: Standard

V95 Performance Toolkit for VM – Hints and Tips

Bruce Dailey, IBM

Performance Toolkit for VM is a powerful tool from IBM for monitoring z/VM system performance. Come to this session to learn some uses and configuration hints to help you realize the full potential of this tool.

Level: Standard

V96 Tivoli OMEGAMON XE on z/VM and Linux

Raymond Sun, IBM

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.

Level: Standard

Linux on System z

– Linux on System z Basics Sessions (L0x) –

L01 Linux on System z Planning: Where to Begin?
John Schnitzler, IBM

This short session will address some of the basic planning topics that you should look at when considering Linux on System z. This session will be used to spark interest in other in-depth presentations being given during this conference.

Note: This session will start at 8:00 AM.

Level: Basic

L02 Lab: Linux for Beginners Hands-on Lab – Part 1 of 3
Mark Post, Novell

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. This session is continued in Sessions L03 and L04.

Note: This session will start at 8:00 AM.

Level: Basic

L03 Lab: Linux for Beginners Hands-on Lab – Part 2 of 3
Mark Post, Novell

This is a continuation of Session L02.

Level: Basic

L04 Lab: Linux for Beginners Hands-on Lab – Part 3 of 3
Mark Post, Novell

This is a continuation of Session L03.

Level: Basic

L05 Linux System Management for the Mainframe System Programmer – Part 1 of 2
Mark Post, Novell

More and more, mainframe systems programmers are being asked to install and manage Linux/390. They have years of experience in installing and managing "traditional" IBM mainframe operating systems such as MVS and VM, but they don't know where to start with Linux for S/390. Installation is covered by other sessions, so this one will concentrate instead on "translating" typical system management tasks to the Linux for S/390® environment by comparing and contrasting the familiar with the new.

Level: Basic

L06 Linux System Management for the Mainframe System Programmer – Part 2 of 2
Mark Post, Novell

This is a continuation of Session L05.

Level: Basic

– Linux on System z General Interest Sessions (L1x) –

L11 Linux on System z – What's New?
Horst Hummel, IBM

New and interesting features like collaborative memory management for z/VM, automatic dump on panic, re-IPL from an alternate boot device or crypto support for tapes have recently been developed for Linux on System z. Those functions are available exclusively on System z, providing additional value for customers on that architecture. This presentation gives an overview on those features, shows in which distributions they are integrated and gives an outlook on future directions of Linux on System z development.

Level: Standard

L14 Understanding the Technology Advantages of Running Linux on z/VM
Reed Mullen, IBM

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.

For additional sessions of this theme, please check the z/VM sessions.

Level: Standard

L15 Linux on System z – Problem Reporting and Analysis
Horst Hummel, IBM

Especially on System z customers expect that their IT problems are solved immediately and efficiently. To achieve that, many Linux tools and debugging techniques are available for our IBM service team. This presentation shows how dump tools, dump analysis tools, tracing and performance tools can be used under Linux on System z and illustrates the distinctiveness of Linux on System z compared to Linux on other platforms.

Level: Standard

– Linux on System z Installation Sessions (L3x) –

L31 Lab: Linux on System z Installation Hands-on Lab – Part 1
Richard Lewis, IBM and Chuck Morse, IBM

Linux for System z has generated a lot of excitement among System z customers. However, for many this is a new and strange environment. This workshop will provide an opportunity to install and configure Linux for System z in a z/VM virtual machine. The hands-on portion of this workshop will be self-paced and result in a Linux for System z system running Apache, Samba, DNS (BIND), a firewall and the KDE desktop.

The goal is to equip each attendee with the skills required to return home and install Linux for System z using the distributions from SUSE, Red Hat or the binary objects available for download from the Marist College Web site. NEW: Recently added lab exercises will allow attendees to install Red Hat Enterprise Linux 5 or Novell/SUSE SLES 10 to an FCP attached SCSI device. They can also then create two additional, multi-path FCP attached SCSI devices and join them in a Logical Volume.

This lab will be continued with Parts 2 and 3.

Level: Basic

L32 Lab: Linux on System z Installation Hands-on Lab – Part 2
Richard Lewis, IBM and Chuck Morse, IBM

This is a continuation of Session L31.

Level: Basic

L33 Lab: Linux on System z Installation Hands-on Lab – Part 3

Richard Lewis, IBM and Chuck Morse, IBM

This is a continuation of Session L32.

Level: Basic

L34 Making z/VM and Linux Guests Production Ready…Best Practices

Jon vonWolfersdorf, IBM

This session covers installation and configuration "Best Practices" for z/VM and Linux running as a guest of VM. It will highlight common misunderstandings and recommendations in the areas of CPU, memory and I/O when running in this environment.

Note: This session will start at 8:00 AM.

Level: Standard

– Linux on System z Networking Sessions (L4x) –

L41 Networking with Linux on System z – Part 1 of 2

Frank Blaschka, IBM

Linux on zSeries 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 zSeries. Examples will show how to set up networking on your system using OSA, VM GuestLAN and HiperSockets. You will learn how to statically configure your network during boot time and also understand dynamic network configuration on a running system. In these examples, configuration steps will be presented for Linux 2.6-based distributions.

Note: This session will start at 8:00 AM.

Level: Standard

L42 Networking with Linux on System z – Part 2 of 2

Frank Blaschka, IBM

Linux on System z provides a variety of technologies to ensure reliability, availability and serviceability (RAS). In using these technologies, it is possible to implement any network topology, including both virtual intra-machine as well as inter-machine connections. Examples will show how to set up advanced networking and how to seamlessly integrate a System z system into a network. Tools and options such as IP address takeover, Channel Bonding, ProxyARP and HiperSockets Network Concentrator will be presented. Configuration steps will be shown for Linux 2.6-based distributions.

Level: Advanced

L43 Communication Controller for Linux on System z (CCL) – Technical Update

Alfred B. Christensen, IBM

The Communication Controller for Linux (CCL) on System z program product offers an opportunity to modernize the traditional SNA sub-area access environment that typically consists 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 z9 hardware.

This session will introduce the CCL technology, its characteristics and its limitations. This session will in particular focus on the latest connectivity, performance and functional enhancement that were introduced during 2006. The current release of CCL (CCL V1.2.1) supports SNA connectivity over OSA fiber technology (QDIO layer-2), OSA for NCP connectivity (emulated CDLC channel) to VTAM and TPF on a System z9, support for non-SNA X.25 workloads through continued use of the NCP Packet Switching Interface (NPSI) product and IBM X.25 Over TCP/IP (XOT) in the CCL environment. Finally CCL V1.2.1 also supports Data Link Switching (DLSw) connectivity into the Linux operating system where CCL operates - offering an option to simplify the overall SNA network infrastructure where SNA data is transported over IP all the way into System z.

Level: Standard

– Linux on System z Applications and Application Development Sessions (L5x) –

L51 Implementing WebSphere Portal Server V6 for Linux on System z

Theresa Tai, IBM

This session will focus on the key elements in designing and implementing an enterprise-grade Portal. The discussions will cover deployment and operational aspects of portal for Linux on System z.

- Planning for install with z/VM and configuration options
- Portal security and LDAP
- WebSphere Process Server with Portal
- Portal scalability with horizontal scaling
- Virtual portals or true Portals
- Portal data management and replicas
- Managing your Portal infrastructure
- Portal performance tuning
- The importance of a highly available portal environment

Level: Standard

L52 Why You Should Care About High Availability Topology for WebSphere Portal Server

Theresa Tai, IBM

High availability is a key element in designing and implementing an enterprise-grade Portal operational architecture. The purpose of this session is to address key approaches for High Availability portal topologies. Come and find out how to leverage WebSphere cluster technology for scalability with vertical/horizontal scaling, database replicas and avoiding single point of failure in a Portal environment. You'll be able to design, implement and lead discussion in the value of High-Availability architecture, concepts, configuration options, architecture decisions and trade-offs. We will also have discussions on lessons learned and best practices for delivering a highly available IBM WebSphere Portal environment.

Level: Standard

L53 Consolidating Oracle® to Linux on System z

Denny Dutcavich, IBM

This session will present the current set of Oracle products and application available for Linux on System z. Learn what current customers are doing. Find out what specifically you should look at to select a database to start a PoC. Going from a plan to production is more than just a Proof of Concept, it is a process. The critical steps needed to be successful in getting into production and beyond are also presented.

Level: Standard

L54 Oracle High Availability Solutions for Linux on System z

Denny Dutcavich, IBM

Many questions are asked about the viability of and reasons to implement Real Application Clusters (RAC) on Linux for System z, a platform that is already known for its high availability characteristics. Basic definitions of High Availability and Continuous Availability as they relate to RAC will be covered. There are several cases that support the implementation of RAC in Linux for System z.

Level: Standard

– Linux on System z User Experiences Sessions (L7x) –

L71 Linux on System z Customer and IBM Open Forum

Customer Panel

This session will bring together featured customer speakers and IBM System z Management to review and answer questions about Linux on System z. Come hear what these customers are doing on Linux on System z and share your own experiences. The open forum will also give attendees the opportunity to discuss or ask questions about Linux on System z. This session promises to be fun, entertaining and always has its share of surprises.

Hosted by: John Sutera, IBM ATS Technical Support Manager

Sponsored by: Doris Benson, IBM America's Business Unit Executive, Linux on System z Sales

Level: Basic

L72 Linux for System z at Nationwide – From Woe to Whoa! How did we get here, Toto?

Jim Vincent, Nationwide Insurance

You've probably heard that Linux runs on the mainframe and is the same as anywhere else - from Intel to System z servers. The challenge is that there can be a lot of politics around choosing to run Linux on the mainframe, deciding on a distribution and methodology for installing and maintaining Linux and even who will be responsible for the virtual Linux environments.

Many decisions and discussions need to be made around processes, tools and solutions to decide if they are "right" for a virtual Linux farm. This session will give you a candid insight on how Nationwide dealt with those topics along with:

- The key to opening the door for building a Linux environment
- Why Linux? What did we expect it to do for our business?
- What it may take to motivate server, mainframe and even management to work with virtual servers
- Choice of distributions to use on zSeries and decision points
- Who needs to learn what; the learning curve for both mainframe and server folks

The discussion will cover building a Linux Virtualization environment with z/VM on zSeries at Nationwide Insurance, where it is today and some key issues and benefits.

Level: Standard

L73 Using VM for Linux Disaster Recovery Planning

Jim Vincent, Nationwide Insurance

Most companies have at least considered what they might do if their mainframe computing environment for Linux was suddenly unavailable. Some have been able to provide enough resources in multiple locations to be able to continue processing if one location is disabled. Many companies have chosen to establish a relationship with a company that specializes in Business Recovery. Because of VM's strength in supporting guest systems, it is often the host for Business Recovery for both individual companies and for Business Recovery vendors.

This session will cover how one company depends on z/VM to prepare for, document and execute Business Recovery for their production Linux environments. The discussion will include tips and information about the features and tools of z/VM that are available to help recover Linux servers. Technical examples of how to use z/VM for planning and configuring recovery systems/environments will be shown.

Level: Standard

L74 Penguins Board the Stagecoach for the Linux Frontier: A User Experience with Linux on zSeries

Marcy Cortes, Wells Fargo Bank

Marcy Cortes, an operating systems engineer from Wells Fargo, will discuss their experiences and success with running a penguin flock on their zSeries mainframes. This historical ride will take you from inception to acceptance and success. You will hear about how they took mainframe Linux from initial proof of concept to being a strategic platform choice for several important banking and infrastructure applications. She will discuss their configurations, systems management issues, political challenges and the variety of penguins deployed.

Level: Standard

L75 The Success Story of the Québec Government in Raising and Training Penguins in a Crèche

Jocelyn Hamel, IBM

Deploying z/VM and Linux on System z for large scale computing can present many challenges. This presentation will show how the Government of Quebec met these challenges and thrived. At the February SHARE conference in Tampa, the SHARE 2007 Award for Excellence in Technology was presented to the Province of Quebec (CSPQ/DGTIC) for their Linux on System z project. The project has now consolidated close to 200 Oracle database instances and supported the creation of over 125 Oracle database virtual servers on a z9 EC using Linux on System z under z/VM. Jocelyn Hamel, the IBM Project Manager, will discuss their business case, the cloner information and the data gathered during the last 18 months of production delivery. He will review the client architecture which was a key component for their successful methodology addressing concerns with security, data integrity and client isolation while capitalizing on the resource sharing capabilities inherent with System z mainframes. Finally, Jocelyn will highlight some of the projects they are currently working on like WAS, Domino® and Open Source.

Level: Standard

L76 Choose the Wrong Architecture and Waste Millions – A Customer Case Study

Mark Post, Novell

In a prior life, the speaker was involved in a high-profile, Linux-on-Intel® project with very tight deadlines. Come hear how choosing Linux on the mainframe could have saved a lot of money, several thousands of hours of people time and made the deadline a non-issue. The actual implementation will be shown, as well as the mainframe Linux alternative.

Level: Standard

L77 IBM Transformation: Major IT Consolidation Initiative

Kevin D. Ingwersen, IBM

As a piece of IBM's Project Big Green, IBM has announced a global shift to Linux on the mainframe. This session focuses on IBM's consolidation program moving thousands of distributed application architecture servers to about 30 zSeries systems. Listen to how IBM's efforts will save 80% on energy consumption, while realizing significant savings in labor and software costs while dramatically accelerating speed to market, increasing operational availability while running on a world-class secure environment.

Level: Basic

L78 Growing the Business without Growing IT

Mark Shackelford, Baldor Electric

Mark Shackelford from Baldor will discuss how they are using z/OS, Linux on System z and SAP to run their entire global business.

Level: Standard

– Linux on System z Systems Management and Performance Sessions (L8x) –

L81 Installation of OMEGAMON XE on z/VM and Linux

Mike Sine, IBM

The OMEGAMON XE on z/VM and Linux product incorporates the use of z/VM's Performance Toolkit, a z/VM DCSS, and OMEGAMON XE agent code running in a Linux guest under z/VM. This unique OMEGAMON structure aims to reduce duplication of data collection, support current customer investments, while providing the strengths of OMEGAMON and IBM Tivoli Monitoring to manage the performance of z/VM systems and Linux guests. This session will review the installation procedures and tasks necessary to incorporate z/VM and Linux into an OMEGAMON monitoring environment.

Level: Standard

L82 Installation of IBM Tivoli Monitoring (ITM) 6.1 TEPS and TEMS on Linux for System z

Mike Sine, IBM

Many customers today are selecting the Linux for System z environment to run their ITM 6.1 Tivoli Enterprise Portal Server (TEPS) and/or Tivoli Enterprise Management Server (TEMS). While these platforms are supported and provide many benefits, there are specific installation procedures that need to be considered for these environments. This session will review the specific procedures associated with some of the Linux on System z environments. Procedures include: Seeding steps, CAT/ATTR file transfers, 31-bit shell and X window environment experiences and 31-bit compatibility mode on 64-bit Linux environments. The speaker will review his own installation experiences and the procedures learned.

Level: Basic

L84 Performance Tuning and Monitoring: DB2 for Linux, UNIX and Windows on Linux for System z

Jeff Richardson, IBM

This session covers basic performance considerations for Linux guests. The following items are identified and discussed as they relate to deploying IBM DB2 data servers on Linux for System z:

- LPAR-level processor, network and DASD considerations
- Linux operating system, filesystem and scheduling parameters and options
- Which packages to install
- z/VM-specific commands for Linux
- Tuning and monitoring customer-written applications and DB2

Level: Standard

L85 End-to-End Performance of WebSphere Environments

Dr. Juergen Doelle, IBM

This presentation provides experiences from performance tests with typical WebSphere Application Server environments on Linux on System z. It covers set-up tuning possibilities provided by WebSphere, Linux and the IBM System z hardware.

Level: Standard

L86 Performance Experience with Databases on Linux for IBM System z

Dr. Juergen Doelle, IBM

The presentation provides experiences from performance tests with Informix®, DB2 and Oracle databases on Linux on IBM System z, exploiting different disk I/O options in Linux, considerations for using storage servers and hints and tips for database set-up parameters.

Level: Standard

L87 Automated Linux Guest Monitoring on z/VM Using PROP

Jim Vincent, Nationwide Insurance

The Programmable Operator Facility (PROP) is designed to increase the efficiency of system operation and to allow remote operation of systems in a distributed data processing environment. Using PROP you can simply log message traffic or set up routines to handle specific tasks based on inbound messages. This is especially useful if you will be setting up Linux guests and need a way to monitor, automate and control those guests easily.

Since PROP is included for free on all VM systems, you too can utilize this simple and yet powerful automation tool to manage your Linux guests and service virtual machines. This session will cover what it takes to create a virtual machine to run PROP, setting up routing tables and action routines. LIVE demonstrations of how you can use PROP to monitor and automate operations with Linux guests will also be shown.

Level: Standard

- Linux on System z Storage Sessions (L9x) -

L95 FCP Channel Virtualization in a Linux Environment

Volker Sameske, IBM

FCP Channel Virtualization enables zSeries customers to use industry-standard Fibre Channel SAN access control (zoning, LUN masking) by providing all Linux instances sharing an FCP channel with a unique SAN identity. It permits full SCSI device sharing through shared FCP channels, and therefore allows customers to reduce the complexity of their SAN cabling. FCP Channel Virtualization is the most important enhancement since the initial release of the FCP channel, because this new capability removes major restrictions only applicable to virtual servers. This presentation introduces FCP Channel Virtualization and demonstrates its use in a Linux environment.

Level: Standard

L96 Making Your Penguins Fly – Introduction to SCSI Over FCP for Linux on System z

Volker Sameske, IBM

The Linux zfcp device driver adds support for Fibre Channel attached SCSI devices to Linux on System z. The Fibre Channel protocol is an open, standard-based alternative and supplement to existing ESCON or FICON connections and becomes more and more important. The presentation introduces Storage Area Network basics (SAN) and points out how to integrate your mainframe into an existing SAN. This session covers almost the entire spectrum of FCP deployment in a Linux on zSeries environment. Main topics are hardware and software requirements, configuration, performance considerations, IPL and dump. Other points will be FCP support in recent Linux distributions, application areas and FCP troubleshooting basics. The intention of this session is to give a wider introduction into FCP and SCSI with Linux on System z.

Level: Standard

L97 Real-time Enhancements for SW-RAID1: Securing Applications Against Storage Controller Failures with Linux

Horst Hummel, IBM

When considering application availability, response time criteria may be as important as the fact, whether the application responds at all. If applications are dependent on committed disk I/O operations, the response time is not only determined by availability of CPU cycles and memory, but also on the response time of the I/O operations. If, for example, a storage controller shows a "long busy" condition during concurrent code upgrade or packets are lost on the SAN Fabric, it may take minutes until an I/O operation completes, and hence an application may stall for minutes waiting for it. This statement even remains true, if you add additional redundant storage controller and deploy current Linux RAID1 targets in order to increase data availability. We have augmented the standard Linux RAID1 target to absorb this type of temporary failure in order to retain application response times. Occurring data asynchronicity is recovered automatically after the temporary failure has got resolved. The toolkit is also enhanced in order to recover from permanent storage controller failures. The solution presented is currently active at selected customers.

Level: Standard

L98 Integrated Removable Media Manager for the Enterprise on System z (IRMM)

Wolfgang Mueller, IBM

Come hear about the IBM Integrated Removable Media Manager (IRMM) for the Enterprise on IBM System z, announced August 7th. IRMM is a new, robust systems management product for Linux on IBM System z that manages open system media in heterogeneous distributed environments and virtualizes physical tape libraries. IRMM combines the capacity of multiple heterogeneous libraries into a single reservoir of tape storage that can be managed from a central point. IRMM complements Linux on System z consolidation efforts.

Level: Standard

– Sessions from other sections that are important to Linux on System z –

S73 Securing Linux with RACF on z/VM

Alan Altmark, IBM

In this session we will discuss the new z/VM LDAP server and how to use it with the z/VM RACF Security Server. Learn how to create a shared user name space and authenticate Linux users against the RACF database!

Level: Standard

V62 z/VM Linux Guest System Deployment and Management with IBM Director

Christine Casey, IBM

IBM Director 5.20 provides basic systems management for Linux on IBM System z and z/VM. For Linux on System z, the base Director functions such as monitoring, event action plans, task scheduling, etc., are available like on any other IBM platform. For z/VM, a Director extension called "z/VM Center" enables you to provision, configure and manage Linux guests from a Director console. Learn more about these capabilities at this session!

Level: Standard

V68 Managing z/VM and Linux on System z

Tracy Dean, IBM

Whether you're using z/VM for the first time to support Linux guests, using z/VM again after a few years away from the platform or expanding your use of z/VM due to server consolidation to Linux on System z, you'll need to decide how you'll manage the new or growing system. Come hear what IBM has to offer to help you manage this environment more efficiently and effectively. This presentation will include automated operations, backup and restore, tape management and archiving. This session will include a live demo.

Level: Standard

V69 z/VM and Linux on System z – Integrating IBM's Solutions

Tracy Dean, IBM

IBM offers several solutions that touch on systems and performance management of z/VM systems, including their Linux guests. This session will discuss the role of each product (including Performance Toolkit for VM, OMEGAMON XE on z/VM and Linux, and Operations Manager for z/VM) and how they can be integrated. Examples of performance and system management scenarios will be discussed, including live demos. Come review what IBM offers in the operations/scheduling functions for z/VM.

Level: Standard

V96 Tivoli OMEGAMON XE on z/VM and Linux

Raymond Sun, IBM

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.

Level: Standard

z/VSE

– z/VSE General Interest Sessions (E1x and E2x) –

E11 z/VSE Version 4 News and Views

G. M. (Jerry) Johnston, IBM

This session focuses on z/VSE Version 4. It covers z/VSE status, content, strategy (including SOA and interoperability), as well as the benefits of a hybrid environment incorporating the best of z/VSE and Linux on System z. The session will also review attractive new MWLC pricing (with full-capacity and sub-capacity options) introduced exclusively for z/VSE V4 on IBM System z9. It includes examples of z9 BC and z9 EC opportunities made possible by IBM's renewed emphasis on z/VSE V4.

Level: Basic

E12 z/VSE Version 4 Featuring Midrange Workload License Charge MWLC Software Pricing for IBM System z9

Dr. Klaus Goebel, IBM

On March 16, 2007, IBM delivered z/VSE V4.1, a 64-bit enabled, z/Architecture version of z/VSE. IBM also introduced a new software pricing metric known as MWLC. MWLC offers both full-capacity and sub-capacity options. MWLC applies only to z/VSE V4 and 12-key VSE-related IBM middleware software products running on IBM System z9 BC and z9 EC servers. MWLC software pricing offers excellent value for customers. Together, the z/VSE V4.1 and MWLC announcements represent a major revitalization of z/VSE. This session provides a "deep dive" into implementation details and customer advantages of this new software pricing metric. It is designed to help customers understand:

- MWLC full-capacity and sub-capacity modes
- MWLC terms and conditions, implementation and processes
- Benefits of MWLC for customers considering z/VSE V4 and z9 BC or z9 EC servers

Note: This session will start at 8:00 A.M.

Level: Standard

E13 Multi-Instant Logic Analyser4VSAM

Stev Glodowski, IBM

In the last years IBM developed several new VSAM tools to help customers analyze their VSAM data, index and catalog structure to identify potential threats like overlapping/invalid extents, defective index structures, capacity issues and limitations, incorrect catalog-space-map entries and much more. This analysis functionality is included in our "Multi-Instant Logic Analyzer4VSAM" (MILA). It is designed to help customers find inconsistencies in VSAM before they become a problem and even making suggestions on how to prevent such situations in the future. MILA has access to the VSE system using the z/VSE Connectors to collect all information necessary for analysis instantly and direct.

Level: Standard

E14 VSAM 2007/New Features with z/VSE 4.1

Stev Glodowski, IBM

The major development for VSAM in z/VSE 4.1 was the support for large 3390 ECKD disks. VSAM is now supporting the full 3390 ECKD capacity. The new FATDASD support can be enabled while support for SMALL and BIGDASD still exists and is fully supported. Also some other features have been introduced in VSAM with z/VSE 4.1 e.g., to improve error handling.

Note: This session will begin at 8:00 AM.

Level: Standard

E15 VSAM Hints, Tips and Optimizations

Stev Glodowski, IBM

It's all about VSAM! This session includes hints and tips and circumventions to make things easier in the world of VSAM. The focus will be on ways to optimize and go around or postpone the effects of some current VSAM restrictions. We will talk about space utilization, alternate indexes (AIX), about the right time and way to reorganize a file and much more.

Note: This session will begin at 8:00 AM.

Level: Standard

E16 VSE/POWER - A Review of What's New Since VSE/ESA V2.5

Steve Gracin, IBM

With each new VSE release, VSE/POWER has introduced new features that make it a more flexible and robust spooler. New capabilities include TCP/IP and SSL for Power Networking, new and changed commands for viewing the queues and the ability to increase the queue and data file during a warm start. Learn what the addition of a DEL queue and a CRE queue have done for VSE/POWER in z/VSE V4.1.

Level: Standard

E17 Bringing You Up to Date with System z Hardware for VSE Customers

Mike Augustine, IBM

A mainframe for everyone? There is now with the announcement of the IBM System z9 Business Class (z9 BC) an attractive new MWLC pricing (with full-capacity and sub-capacity options) introduced exclusively for z/VSE V4 on the IBM System z9. This presentation is an overview of the latest up-to-the-minute news that includes a significant new mainframe solution announced in 2006 and updates in 2007. Find out how the z9 BC fits into your future whether you want to run traditional VSE workloads (batch and CICS), new workloads (Linux, Java and database serving) or both! The best things really are packaged in a smaller System z9.

Level: Basic

E18 TCP/IP for VSE 1.5E Update

Don Stoever, CSI International

This session will address many of the new features and functions now included with TCP/IP for VSE 1.5 Service Level E. Areas of interest include: increased security, customization of logging and console display, a new and improved FTP Daemon, additional email functionality, added PDF conversion capabilities and an improved connection manager for faster and more reliable connections.

Level: Standard

E19 Migration to CICS TS for VSE/ESA, Is it time to do it?

John Lawson, illustro Systems International

Next year is the 10th anniversary of the announcement of CICS Transaction Server for VSE/ESA. CICS/VSE Version 2 will be 18 years old and has been supported by IBM longer than any other CICS product on VSE. If you are still running CICS/VSE, then it may be time to revisit some of the migration considerations for moving to CICS TS before IBM decides the time has come to drop support on this very old product. Our speaker will review many of the keys areas such as resource definition, security and application compatibility that you need to consider in planning this migration. He will also cover some of the new functions available with current z/VSE releases which may help address some of the inhibitors that have impeded your migration to CICS TS.

Level: Standard

E20 z/VSE Birds-of-a Feather
IBM Boeblingen z/VSE Team

This is an open discussion with the IBM Boeblingen z/VSE team. There will be no prepared presentation. Please bring your own questions and thoughts on the present, future, directions, priorities, concerns, etc. Let us know what we're doing right as well as what we are doing wrong. Both compliments and criticism will be accepted. This is your session.

Level: Basic

– z/VSE SOA and On Demand Connectors Sessions (E3x) –

E31 A Review of On Demand Solutions Using z/VSE Connectors
Wilhelm Mild, IBM

Easy access to z/VSE resources from remote platforms, standard interfaces and integration of z/VSE processes in modern distributed environments is a primary focus of z/VSE development. With z/VSE V4.1, connector technology continues to evolve and mature. z/VSE can participate in solutions based on Service Oriented Architecture (SOA). Incremental data transfer, MQSeries enablement and synchronization of data between VSAM on z/VSE and DB2 UDB on Linux are only a few of the functions that can be used to leverage and modernize your core z/VSE applications.

Level: Standard

E32 SOA and z/VSE: Implementing SOA Using Web Services and Tools
Wilhelm Mild, IBM

Service Oriented Architecture (SOA) is the concept for new, modern solutions. We'll see how the concepts of SOA can be used to generate Web Services from existing CICS Applications and the tool that brings SOA close to VSE. The CICS2WS Toolkit is a "charge" development tool that reads WSDL files and Copybooks, and enables VSE to act as a Web Service provider (server) and as a Web Service requestor (client) in an SOA environment.

Level: Standard

E33 Connectors and DB2 Workshop
Wilhelm Mild, IBM and Ingo Franzki, IBM

Installation and implementation of Java-based Connectors and VSAM Redirector will be the focus in this workshop. Java-based connectors can be used to remotely access VSAM data and other VSE resources. The VSAM Redirector enables you to transparently access data on a remote system from your core VSE/VSAM applications. We will show you step-by-step the setup and customization of these powerful and flexible connectors.

Level: Standard

E34 SOA and CICS Workshop
Wilhelm Mild, IBM and Ingo Franzki, IBM

Installation/implementation of CICS remote access is the focus in this workshop. You'll see how you can access CICS applications and data from remote systems using CICS Web Support, IBM CICS Transaction Gateway and Web Services (SOAP). We will show you how to set up both your z/VSE system and workstation environment for this access.

Level: Standard

E35 User Experiences with z/VSE Connectors – VSAM Redirector with Capture Exit
Wilhelm Mild, IBM

Discover what you can do with new function already working in real customer environments. Environments similar to yours have implemented modern, mixed, hybrid business solutions involving z/VSE and other platforms. This session will describe actual, real-life scenarios and the steps taken to create solutions that exploit data interchange in a distributed environment. Development tools and transparent data access methods allow integration of z/VSE processes into the WebSphere architecture. Business Intelligence solutions and intelligent business architectures work with DB2 Server on z/VSE and DB2 UDB on Linux for System z on the same mainframe.

Level: Standard

E36 The z/VSE Solutions that Exploit DB2 UDB on Linux
Wilhelm Mild, IBM

Modern Solutions require advanced data management environments. With DB2 on Linux on System z, the modernization of VSE environments can easily be realized. Applications on VSE transparently work with a database environment on Linux on System z. Business Intelligence solutions and intelligent business architectures work with DB2 Server on z/VSE and DB2 UDB on Linux for System z on the same mainframe. This session shows you the steps and considerations to get there.

Level: Standard

– z/VSE Systems Management Performance and Security Sessions (E5x and E6x) –

E51 Approaches to Application Development for z/VSE
Wilhelm Mild, IBM

Modern development tools help increase productivity and lower the error rate. What about the possibility of using them to develop and support applications for z/VSE? A variety of methods and tools will be shown in this presentation. What about developing based on a standard application design and a generation platform such as Eclipse? You may be surprised to find the range of possibilities for z/VSE.

Level: Standard

E52 Ordering Service and Products for z/VSE and z/VM Online
Ingo Franzki, IBM

This session will provide an overview of ShopzSeries. See how ShopzSeries can be used to order IBM products and service (PTFs, RSLs, RSUs, ...) for "e-delivery" (Internet download) on CD-ROM or on tape cartridges. This session gives an overview of various service deliverables. It also explains how to search for APARs and PTFs when you encounter an error, how to order them and what to do with the delivered images or PTFs in order to install them on z/VSE or z/VM.

Note: This session will start at 8:00 AM.

Level: Standard

E53 Automation of z/VSE with Open Source ANT
Ingo Franzki, IBM

The Open Source Tool ANT (http://ant.apache.org/) is originally intended to build (compile and package) Java applications. However, ANT can also be used to automate processes on z/VSE. This session will show how you can automate data transfers between VSE and other servers in your enterprise by using ANT. Also many other automation possibilities with ANT will be shown, for example the submission of VSE jobs with subsequent reaction the return code of the job.

Level: Standard

E54 z/VSE Performance Update

Ingo Franzki, IBM

This session will share the latest on z/VSE V4 and V3 performance. This information may be useful in managing your own overall performance, including distributed environments. For example, how does z/VSE V4 compare with prior versions/releases of VSE? What are the performance implications of z/VSE and Linux mainframe environments? What about 64 bit and SCSI?

Level: Standard

E55 z/VSE Security Concepts and News – Auditing

Ingo Franzki, IBM

This session provides an introduction to z/VSE security concepts. It includes CICS and batch security, plus connector and network security. It will cover the standard RACROUTE interface, as well as z/VSE security concepts in an open and heterogeneous world where z/VSE may be connected to anyone and everyone. It will cover new security features first introduced in z/VSE V3.1.1, plus z/VSE V4 enhancements like the new auditing features.

Level: Standard

E56 z/VSE Security Exploitation with Crypto Hardware

Ingo Franzki, IBM

This session shows how z/VSE security features like SSL (Secure Socket Layer) can be exploited. It contains step-by-step instructions on how to create keys and certificates for use with SSL. In addition, this session will describe z/VSE cryptographic capabilities, including Crypto Express2 and CP Assist for Cryptographic Function (CPACF). This session also covers z/VSE's support for the TS1120 encrypting tape drive.

Level: Standard

E57 Securing FTP on VSE

Don Stoever, CSI International

This session will give a overview of the FTP protocol. It will emphasis how to implement security features such as, storing encrypted files, and usage of TLS/SSL to securely transmit commands and data over a network using the SecureFTP feature of TCP/IP for VSE.

Level: Standard

E58 Backup with Tivoli and Disaster Recovery for z/VSE

Wilhelm Mild, IBM

z/VSE supports the newest Storage devices, from disk to tape library. With functions of the Storage Subsystems, intelligent configuration and operation can help increase the availability and security of enterprise data and processes across networks and regions. The cost and global business implications of long periods of unexpected downtime can be overwhelming. This session illustrates Disaster Recovery (DR) options for z/VSE and "best practices" approaches used by real z/VSE customers. DR is a hot topic and is surprisingly effective and affordable for z/VSE.

Level: Standard

E59 z/VSE Health Checker

Ingo Franzki, IBM

The innovative z/VSE Health Checker is a Java-based system diagnosis tool. It collects relevant data from your z/VSE system, displays the data and analyses it based on rules. It uses only z/VSE-base functions such as console commands, jobs, CICS transactions and members to collect the data. The presentation includes a live demo illustrating how to adapt this diagnosis tool and its rules to get the best out of your own z/VSE system. The z/VSE Health Checker tool is available for download from the z/VSE Web site at no additional charge.

Note: This session will start at 8:00 AM.

Level: Standard

E60 CICS TS for VSE/ESA Performance Tuning Tips

John Lawson, illustro Systems International

How well is your CICS TS system running? Our speaker has taught classes on CICS performance tuning and conducted performance analysis and tuning for many VSE CICS systems. He will present many of the tuning tips and techniques used in these activities to better educate you on tuning your CICS system. Topics that will be covered include a discussion of some of the major hardware and software constraints for CICS systems, key VSE and CICS performance parameters, tools available for monitoring CICS performance and a review of CICS TS statistics.

Level: Standard

ISV (Vendor) Sessions

Q01 zSeries-based Enterprise Output Server Strategy: How and Why

Ralph Stogsdill, Senior Systems Engineer, Enterprise Output Management

Presented by: Levi, Ray & Shoup, Inc.

Today's IT environments run mission-critical applications on a variety of distributed platforms that send output to countless printers and other destinations. Ironically, these multi-platform environments often gain maximum cost savings and business benefits by establishing a central mainframe-based enterprise output server. Citing real-world examples, this session will discuss the cost savings and other advantages of establishing a zSeries-based central point of control that:

- Enables assured output delivery and document encryption
- Delivers output to e-mail and Web-enabled destinations
- Converts proprietary data streams so they can be printed on existing devices

Level: Standard

Q02 Leveraging Your FICON Infrastructure for "System z" Long Distance Storage Solutions

Brian Larsen, Enterprise Solutions Marketing

Presented by: Brocade

This session will focus on planning and options for remote Business Continuity and Disaster Recovery solutions. It will explore the specific characteristics of storage solutions in the mainframe environment. Solutions involving 'Host to Storage' and 'Storage to Storage' data protection using tape and disk will be examined. Items such as storage vendor configuration, technology integration and distance implications will be reviewed in detail. Brocade is expanding its leadership in mainframe infrastructure solutions through innovation,experience, product offerings/functionality and services. Brocade's unique capabilities and customer benefits will be integrated throughout this presentation.

Level: Standard

Q05 BMC CMF Monitor: Uses zIIPs and More New Features

Reginald Stanfield, Software Consultant

Presented by: BMC Software

This introductory-level session will discuss the evolution of the BMC CMF Monitor product. Learn how BMC CMF Monitor is a high-performance, low-cost resource monitoring tool with excellent reporting. We'll explore the numerous productivity-enhancing and unique features available and see how these features can potentially shorten problem diagnostic time. Learn about recent product enhancements such as the new ability to take advantage of zIIP engines and deliver lower Total Cost of Ownership (TCO).

Level: Standard

Q06 Optica's Strategic Legacy Architecture (SLA) for System z – (Optimizing Strategic Technology Investment and Legacy Investment Preservation)

Sean Seitz, Vice President of Business Development

Presented by: Optica Technologies Incorporated

For decades, many business executives have believed that aging legacy architectures would eventually be replaced with new, strategic systems. The reality is that some legacy applications have become intertwined within an enterprise's business model.

Optica's Strategic Legacy Architecture (SLA) is an infrastructure-based solutions model that helps users maximize their investment in System z processor upgrades, FICON modernization and data encryption, while continuing to support critical ESCON and Bus & Tag-based legacy applications. The presenter will discuss the design principles of the architecture and a review of Optica's protocol conversion and encryption solutions.

Level: Standard

Q07 Is your FICON SAN ready for 8Gbps without disruption? Can you enforce the bandwidth, response times and availability of the FICON traffic in your SAN, while planning for future technologies like 8Gbps FICON?

Brent Anderson, Advanced Technology/Storage Networking

Presented by: Cisco Systems, Inc.

Is your current FICON SAN 8Gbps ready? Can you guarantee 4Gbps bandwidth per port and provide higher quality of service for your FICON connections? Come find out how to effectively deploy a FICON SAN that is 8Gbps ready, capable of prioritizing FICON traffic both locally and remotely, to meet the most stringent business continuance policies. We will also be discussing the best practices for effectively deploying a cascaded FICON environment.

Level: Standard

Q08 New Age Business Resilience: What it Means for Your Business

Norma Hollander, Product Management Director

Presented by: CA, Inc.

In many of today's complex Data Center Environments, customers are refining their Business Resilience Processes. Whether you call it Business Resilience, Business Continuity, Disaster Recovery or Failover, this sessions looks at What Business Resilience is about, How it does relate to your Business, Reviews some of the History that has brought us to this New Age, Business Resilience Technologies of Today, Mainframe Resilience Planning, New Ways of Looking at Business Resilience and Looking into the Future. Business Resilience IS about Your Business.

Level: Standard

Q10 What's New with Red Hat Enterprise Linux 5 for System z

Brad Hinson, Lead System z Engineer and

Mark Spencer, Senior Solutions Architect for System z

Presented by: Red Hat

This presentation covers what you need to know to deploy Red Hat Enterprise Linux 5 (RHEL 5) on System z. We begin with an overview of RHEL on System z. We then highlight the major differences from RHEL 4, plus new features added in the areas of performance, storage, debugging/monitoring and other kernel-related features.

Level: Standard

Q11 Ciena

TBD

Level: Standard

Q15 Become a z/OS Integrity Agent (ZIA) with NewEra Applications

Paul Robichaux, CEO and Jerry Seefeldt, Account Manager

Presented by: NewEra Software, Inc.

Learn how NewEra Software and its security and control applications, Image FOCUS and The Stand Alone Environment (SAE), help you address availability, integrity and compliance issues in your installation. Image FOCUS and its Applications can detect and validate all changes made to z/OS, JES, VTAM, TCP/IP, partitioned data sets, load libraries, etc. They provide additional security with The Control Editor. They generate customized reports. They can help make the IBM Health Checker for z/OS more useful by incorporating Health Checker reports into Image FOCUS and vice versa. SAE is invaluable for z/OS recovery as it provides immediate access to system datasets without an active MVS system. One of its five applications, Fast DASD Erase, is used by z/OS installations to erase mission-critical data at the end of Disaster Recovery tests. See why hundreds of organizations, large and small, depend on NewEra software applications to ensure z/OS Integrity. They are z/OS Integrity Agents (ZIA). You can be a z/OS Integrity Agent, too. Join us at Session Q15 at 9:00 AM on Wednesday, September 19, in Room 218 of the Convention Center.

Level: Standard

Q16 OpenTech Systems "Streamlining D/R"

Bruce Fisher, Director of Marketing and International Sales

Presented by: OpenTech Systems, Inc.

Exploit the Subject Matter Expert's Knowledge to Automate the Data Center Back-up and Recovery Process to Achieve your RPO and RTO objectives.

Level: Standard

Q17 A Common Foundation Platform for IT Asset Management. Did my program change? Improve decision making with Enterprise Asset Management platform

Russell Zitron, VP of Technical Services

Presented by: Software Engineering of America

People in the IT organizations faced with the problem of dealing with dissimilar information; especially with those corporate assets that enables mission-critical applications, such as: Job Control language (JCL, Unix Sripts, OCL and others), programming languages (Cobol, PL/I, Natural, C++, Java and others), Databases (DB2, IMS, VSAM, DL/I, Adabas and others), transaction management systems (CICS, IMS and others), operational documentation (PDS, .DOC, .XLS, .PDF and others) and Schedulers.

We will discuss the main problems and issues an IT organization face when managing their corporate assets in order to reduce the elevated maintenance costs as well as minimizing the risks when assessing the impact of a change. Also, we will present scenarios of how a solution can reduce the costs and complexities of these problems.

Level: Standard

Q18 Building the Case for IBM System z Linux

Marianne Eggett, Linux Emerging Technology Practice Manager

Presented by: Mainline Information Systems

Mainline Information Systems has been helping customers plan and migrate servers to IBM System z Linux for over five years. In this presentation, we will share our experiences with planning the "Dos and Don'ts" as well as explain server consolidation sizing examples and what to watch out for when sizing. Possibly the most critical part of the presentation is to understand the business case for IBM System z Linux. We will discuss the factors that comprise the business case and walk through a few examples as well as a tour through some of our own customer implementation experiences.

Level: Standard

Q19 Dynamic Initiators That Really Work

Martin Wills, Senior Product Specialist

Presented by: MVS Solutions Inc.

ThruPut Manager's Automation Edition brings a totally different way to manage your z/OS batch, based on goals for queue time as well as due-out time. In order to achieve these objectives, it was necessary to design dynamic initiators that not only deliver the service required but do so in a way that allows the installation to control how the service is delivered.

This session discusses the mechanisms for managing queues and initiators to meet the goals and discusses the results of running Automation Edition in a number of customer installations since June.

Level: Standard

Q20 Non-Stop TCP/IP Performance Management with a Focus on Advanced HPR-EE Monitoring

Brian Clausen, Director of Technical Support

Presented by: AES

Non-stop proactive monitoring and reporting on network Service Level performance, response times, and application workload for MVS-hosted TCP/IP activity is essential. The speaker will show how CleverView® for TCP/IP provides real-time threshold and status alerting, along with comprehensive reporting, to help minimize downtime and maximize revenue. All of this and more can be achieved with no software prerequisites and no inherent overhead caused by continuous trace activity. The speakers will also illustrate how CleverView for TCP/IP uses the IBM API to full advantage in advanced reporting of HPR-EE activity.

Level: Standard

Q21 Managing Linux Under z/VM with ESALPS

Barton Robinson, Chief Architect

Presented by: Velocity Software, Inc.

Managing performance for Linux servers running under z/VM requires tools that support Performance analysis, capacity planning, accounting and chargeback and operations. Come hear how ESALPS from Velocity Software successfully meets these requirements.

Level: Standard

Communications
Systems and Technology Group
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Produced in the United States of America
01-07

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