

# WAVV Agenda

Orlando FL

May 15 – 19, 2009

## Friday May 15, 2009

### Attendee Registration

02:00 PM – 9:00 PM      Registration      Room East 3

06:00 PM – 6:45 PM      WAVV Committee      All WAVV Committee Members please attend.

### Marriott Plaza A, B, & C

07:00 PM – 11:00 PM      *Splash*      **Special People Love a Special Happening.**

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH. The right way to begin WAVV.

## Saturday May 16, 2009

### Attendee Registration

07:00 AM – 7:00 PM      Registration      Room East 3

### Saturday 8:00 AM

U1      **Opening Session**      Moderators: Pete Clark and Charles Rice

WAVV opening session. Introductions of projects and WAVV committee members followed by WAVV announcements. Helpful information for both old and new attendees and a chance to renew old friendships. Do not miss this first session. The Opening Session will be broadcast live on SecondLife.

### Saturday 9:00 AM

U1      **IBM Update**      Moderators: Pete Clark and Charles Rice  
Speakers: Alan Altmarm, Mike Augustine and Dr. Klaus Goebel, all from IBM

A brief update on what's new with z/VSE, z/VM, Linux on System z, and IBM System z servers and related hardware since WAVV 2008 in Chattanooga.

### Saturday 10:30 AM

U1      **Bringing You Up to Date with IBM System z Hardware**      Moderator: Pete Clark  
Speaker: Mike Augustine, IBM

The mainframe made over - smart, cool, affordable. That's the new IBM System z10 Business Class (z10 BC), announced just last October. There are many changes you should know about. This presentation is an overview of the latest up-to-the-minute news that includes significant new mainframe and Storage solution announcements since the last WAVV. Find out how the IBM System z fits into your future whether you want to run traditional workloads (i.e. batch and CICS), new workloads (Linux, Java and database serving) or both! The best things really are packaged in an IBM System z.

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## U2 **z/390: A way to run HLASM Programs on any JAVA Platform**

Speaker: Don Higgins

Moderator: Martin Truebner

Updated Title: z390 Portable Mainframe Assembler and zcobol Portable Mainframe COBOL

z390 is a portable mainframe compatible macro assembler, linker, and emulator which runs on Windows and Linux using J2SE Java runtime. z390 can be downloaded and installed using InstallShield for Windows and includes documentation, regression tests, and lots of demos. z390 includes support for common MVS and VSE system macros plus QSAM, VSAM, EXEC CICS, and SOA client and server support over TCP/IP networks.

The z390 runtime emulator supports 24 and 31 bit addressing mode up to limits of host OS and emulates all the latest z9 and z10 problem state instructions including 64 bit GPR and FPR register instructions including HFP, BFP, and DFP floating point. On a 3 GHZ PC the emulator executes mainframe assembler instructions at over 9 MIP's.

The mz390 macro assembler is HLASM compatible and has new extensions to support structured programming in conditional macro assembler as well as basic assembler. Using mz390 extensions there is no longer any reason to code macro labels and unconditional AGO statements in macros. They can all be replaced with structured code including AIF, AELSEIF, AELSE, ACASE, AWHEN, ACALL, AENTRY, and AEND. There is a translator included to translate structured macro code to standard HLASM code for portability as required.

The zcobol portable mainframe COBOL compiler is the latest addition to the z390 open source toolset. zcobol is written in structured conditional macro assembler using z390 extensions. The zcobol compiler supports multiple dialects of mainframe COBOL and generates source and executable code for the following target language environments: HLASM mainframe assembler, Java, C++, or HLA/MASM assembler. The first release of zcobol was 02/21/09 and it is still in early beta test stage but is evolving rapidly. zcobol is the first COBOL compiler to support the 2002 standard usage formats FLOAT-SHORT, FLOAT-LONG, and FLOAT-EXTENDED using the new decimal floating point standard supporting 7, 16, and 34 digit base 10 arithmetic. In addition, zcobol supports all HFP and BFP formats plus quad word 128 bit integer COMP S9(39) format fields using optimized mainframe assembler instructions which can be executed on any J2SE platform using z390 or any z9/z10 mainframe running at native speed.

Visit [www.z390.org](http://www.z390.org) and [www.zcobol.org](http://www.zcobol.org) for the latest updates and download links.

U3

## U4 **Exploit virtualization & integration with modern Solutions with Linux on System z as central hub**

Speaker: Wilhelm Mild – IBM

Moderator: Rich Smrcina

The power and scalability of Linux on System z in a z/VM Virtualized Environment can become the Central Hub in the enterprise.

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Come and see how Linux on System z can be the Enterprise Hub for your data, for your SOA environment, for your Mail Servers, for your Phone System, for your dynamic Web infrastructure, for your backup and much more. Integrate your surrounding servers no matter what they are. Reduce your headache for managing high dynamic workloads and maintenance.

It's the open platform Linux on System z, that empowers the mainframe with these possibilities.

## V1 IPv6 in z/VSE - BSI

Come to the BSI Vendor Session and hear about IPv6. What is it? What's in to for me? Jeff Barnard and Tony Thigpen will discuss IPv6 and BSI's new IPv6 TCP/IP solution. A must for vendors, come and hear about how easy it is to IPv6 enable your TCP/IP products with TCP/IP-TOOLS.

## Saturday 11:45 AM

### U1 z/VSE in an Elevator

Moderator: Pete Clark

Speaker: Dr. Klaus Goebel, IBM

Will you ever need to explain to your boss what z/VSE is all about and how IBM will address his top z/VSE customer concerns? Can you communicate all of this while riding in an elevator (OK, one that goes to the top of Empire State Building)? If the answer is 'yes' to any of those questions, this is the session for you!

This session will provide an overview of the status and direction of z/VSE V4.2 (along with pointers to key related sessions at this WAVV). It will review relevant changes and additions introduced since the last WAVV. It covers z/VSE status, content, strategy, interoperability, SOA solutions, as well as the benefits of a hybrid environment incorporating the best of z/VSE and Linux on System z. The session also reviews attractive new MWLC software pricing introduced exclusively for z/VSE V4 on IBM System z9 and z10 technology. It includes examples of customer success stories made possible by IBM's renewed emphasis on z/VSE and related solutions."

### U2 z/390: A way to run HLASM Programs on any JAVA Platform User Experience

Speaker: Martin Truebner

Moderator: Martin Truebner

Martin will talk about a major HLASM-program that was transported from running on real iron to run on a PC. Because there was no way to extract all the information and rules out of the program and rewrite from scratch, z390 did contribute considerably to the success of this.

U3

### U4 SELinux Deep Dive

Moderator: Rich Smrcina

Speaker: Shawn Wells - Redhat

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Why do we need SELinux? What are the principal concepts? How are security decisions made? How and when do I use it?

SELinux is a policy and context based security architecture that was Open Sourced by the NSA, Red Hat, and the community. SELinux provides a method to label data and users (i.e. "DepartmentX" and "DepartmentY") and create demarcation lines between them. Come find out what it is, and how to use it (using GUIs or command line). Throughout the talk we will be making an SELinux policy from scratch.

## **Saturday 12:45 PM**      **Lunch on Your Own**

### **Saturday 1:45 PM**

#### **U1      VTAPE Update and Usage**

Moderator: Billy Bingham

Speaker: Ingo Franzki, IBM

This session covers the latest news about VSE VTAPE and shares hints and tips for best usage. It includes various usage scenarios for VTAPE including electronic product and service delivery, integration of VSE into a Tivoli Storage Manager environment, as well as other distributed backup environments.

#### **U2      BSI TCPIP Update**

Moderator: Debbie Henderson

Speaker: Jeff Barnard, BSI

Knock, knock. Who's there? IPv6. IPv6 who? What? No who. Who has IPv6 for the z/VSE customer? BSI that's who!! Come to the BSI update and hear Jeff Barnard talk about BSI's new IPv6 TCP/IP support and all the latest updates to our TCP/IP-TOOLS solution.

#### **U3      z/VM Platform Update: z/VM 5.4**

Moderator:

Speaker: Alan Altmark, IBM

This session will provide you with the latest & greatest information about z/VM. We will discuss support dates and the latest enhancements.

#### **U4      The Linux Audit Subsystem**

Moderator: Rich Smrcina

Speaker: Shawn Wells - Redhat

Why is Auditing in Linux needed? What can it do for me? How do events get audited? How do I make sense of all the data?

Regulatory compliance is non-negotiable. The audit system provides the accountability to keep a tamper-proof record of all security-related events occurring on the running system. To achieve non-contestable accountability, the Linux Audit Subsystem was designed to attribute the actions of a user (or process) to who they logged in as. This talk covers how it works from both the user, administrator, and Linux kernel perspective.

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## Saturday 3:00 PM

### U1 **Using Eclipse-based Rational tools for z/VSE Application Development**

Speaker: Wilhelm Mild, IBM

Moderator: Charlie Rice

Recent updates in the Rational toolset allow a productive, flexible development process for z/VSE based on the Open source Eclipse technology. With IBM Rational Business Developer (RBD), EGL-based applications can generate COBOL Code for z/VSE. (The Visual Age Generator Code can be converted to EGL with RBD). With IBM Rational Developer for System z (RDz), a modern z/VSE environment is available for all z/VSE languages including COBOL, PL/I, C, and HLASM. Additional tools allow you to analyze source code, optimize code, and prepare for a Service Oriented Architecture (SOA).

### U2 CSI TCPIP Update

Moderator: Debbie Henderson

### U3 **z/VM Performance Update**

Speaker: Xenia Tkatschow, IBM

Moderator: Martin Truebner

The newest release of z/VM has significant improvements to performance and capacity. This session will describe some of the key performance-related changes in the release and how they may apply to your system. Customer workloads on z/VM have continued to grow this decade. The newest release of z/VM was designed to keep you from out growing your z/VM system. The design includes improved scalability in: processor, real memory, networking, and disk I/O. In each of these areas; we'll describe how the system capacity has been increased.

### U4 **Performance Experiences with Databases on Linux for System z**

Speaker: Thomas Weber, IBM

Moderator: Jeff Barnard

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

## Saturday 4:15 PM

### U1 **IBM Storage Update**

Speaker: Siegfried Langer, IBM

Moderator: Charlie Rice

Get an overview on IBM System Storage for System z customers, including IBM disk storage and tape offerings, and the new XIV storage system for open systems. DS6000 and DS8000 advanced functions and virtualization - as applicable to z/VSE and Linux on System z - will be covered. If you are interested in a general overview on storage - this is the session.

### U2 **BSM Configuration and Utilization from A to Z Part 1**

Speaker: Ingo Franzki, IBM

Moderator: Karl DeVore

Ingo Franzki of the IBM support group will be discussing the Basic Security Manager feature of z/VSE, from a User/Administrator perspective. Ingo will be sharing his experiences from his installation and

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customization process. This will be presented by showing a step by step flow of operations from beginning to end.

Then Ingo will be giving out a lot of helpful information he has received from the z/VSE Security team. This information will give hints and tips for the BSM administration, BSM auditing and BSM backup operations.

This two session presentation will also cover known problems which our customers have experienced and their resolutions. As always, Ingo will be encouraging audience participation to try to give the most amount of information to everyone interested in this z/VSE feature.

Part 2 continues at 5:30 PM.

- U3 **Migrating to the z/VM Virtual Switch** Moderator: James Moore  
Speaker: 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.

- U4 **Linux on System z Performance Update Part 1 of 2: z10 CPU and Memory, Linux Kernel and Java**  
Speaker: Thomas Weber, IBM Moderator: Jeff Barnard

This is the first part of a two-part session covering the latest performance results and tuning tips for Linux on System z. In part one, the speaker will cover the new z10 hardware and issues related to CPU and memory performance (e.g. compiler) as well as Linux kernel topics and the current state of Java performance. He will also show results for middleware applications dependent on those topics (e.g. WebSphere).

- V1 CSI

## Saturday 5:30 PM

- U1 **z/VSE 4.2 Migration User Experience – Lessons Learned** Moderator: Tony Thigpen  
Speaker: Mike Moore - Alabama Judicial Datacenter

Mike will cover his shop's experience with z/VSE 4.2.

- U2 **BSM Configuration and Utilization from A to Z Part 2** Moderator: Karl DeVore  
Speaker: Ingo Franzki, IBM

Part 2 a continuation from 4:15

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U3 **Security Zones on z/VM**  
Speaker: Alan Altmark, IBM

Moderator:

In multi-tier network applications, there is usually the concept of demilitarized zones, or DMZs, that each contain a set of servers. Each DMZ is separated from others by firewalls and by access policies to ensure that there is no unwanted user access or flow of data. Learn in this presentation how to properly build virtual DMZs and to integrate virtual servers into your existing DMZs. We will also discuss using the RACF Security Server on z/VM to prevent a “red zone” server from connecting to a “green zone” network or “green zone” data.

U4 **Red Hat Update (for System z)**  
Speaker: Shawn Wells, Redhat

Moderator: Rich Smrcina

Red Hat is the worlds leading Linux vendor. This session covers the technical highlights of current and road mapped releases, gives an update to where Red Hat stands with System z, and provides a Q&A session with the Red Hat staff dedicated to System z.

## Prefunction Area – 2nd Floor

**07:00 PM – 11:00 PM**      *Splash*

**Special People Love a Special Happening.**

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

## **Sunday May 17, 2009**

### Attendee Registration

**07:30 AM – 5:00 PM**

**Registration**

**Room East 3**

### Sunday 7:00 AM

V2 **Prayer and Praise**

A special non-denominational celebration on Sunday morning.

### Sunday 8:00 AM

U1 **Structured Programming in Assembler**  
Speaker: Edward Jaffe, Phoenix Software

Moderator: Martin Truebner

The speaker will discuss how software developers at Phoenix Software International use the Structured Programming Macros from IBM's HLASM Tool Kit and a custom source/library exit to improve productivity and the quality of their programs.

The discussion will include a review of the various macro sets, tips & techniques, formatting guidelines, coding examples, and other useful information.

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

V1 – Legacy South 3

V2 – Forum East 2

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Lab – Forum West 1 & 2

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*Note: Ed was awarded a "SHARE Best User Session Award" for presenting this at SHARE in Orlando: Winter 2008.*

U2 **z/VSE V4.2 Performance Update** Moderator: Billy Bingham  
Speaker: Ingo Franzki, IBM

This session will share the latest on z/VSE V4 performance. The information presented here 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 new z/VSE V4 functions?

U3

U4 **Linux on System z Performance Update Part 2 of 2: Networking and Crypto** Moderator: Rich Smrcina  
Speaker: Thomas Weber, IBM

This is the second part of a two-part session covering the latest performance results and tuning tips for Linux on System z. In part two, the speaker will cover hardware advances in storage and networking as well as Linux results for I/O, networking and cryptographic adapters. He will also present performance results for middleware applications dependent on those topics (e.g. databases).

## Sunday 9:15 AM

U1 **z/VSE V4.2 Internals – Part 1** Moderator: Tony Thigpen  
Speaker: Ingolf Salm, IBM

Ingolf will discuss functional details of z/VSE Version 4, with specific emphasis on V4.2. This session will provide a release overview - starting with the z/VSE roadmap and strategy, followed by exploitation of z10 processors and new I/O devices, functional enhancements of z/VSE components, and VSE connector enhancements.

U2 **Using SOA Web Services with z/VSE** Moderator: Rich Smrcina  
Speaker: Ingo Franzki, IBM

z/VSE participates in SOA environments and act as both SOAP client and server. The z/VSE implementation of Web Services allows you to use existing CICS applications as Web Services. It also allows you to call an external Web Service from a CICS application. This session illustrates the use of these z/VSE capabilities and the latest news and enhancements of the z/VSE implementation. It also shows how to use the CICS2WS Tool to generate the required "proxy" code to easily use Web Service with your existing VSE programs.

U3 **Free z/VM Utilities Inside!** Moderator: Hans Rempel  
Speaker: Bruce Hayden, IBM

The utilities included with CMS from the old CMS Utilities feature include several tools and service machines that can help you, the systems programmer, manage your system. In this session you will

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

V1 – Legacy South 3

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learn what these utilities can do, how to configure them, and how to use them. Included will be AUDITOR and SFPURGER.

## U4 Documentation for Linux on System z - Making it work for you!

Speaker: Julie Liesenfelt, IBM

Moderator: Jeff Barnard

Do you want to know .....

What Linux on System z documentation is available now

Where to find the documentation you need

Who are the writers for the Linux on System z information

Where they are going with new approaches to documentation

How you can give feedback to the Linux on System z documentation team

This session will show search strings and key Linux bookmarks you'll want to make your favorites.

## V1 “What’s New from illustro Systems?”

Abstract: illustro always gears our newest announcements for the VSE community to premiere at WAVV, and this year is no exception. First, we will be previewing our new Release 2 of our popular z/IPMon TCP/IP Management product, with incredible new capabilities including the new software-based “Advisor” who tells you when something’s not right in your TCP/IP system. Trace support for Wireshark, and a brand new report-writing utility are also key features of Release 2. Come see a live demo.

Secondly, we have been hard at work re-architecting our z/Ware Internet-enabling software, including z/Web-Host for browser enabling, and z/XML-Host for SOA/Web Services. Come listen as Chuck Arney, z/Ware product architect, shows new ways to make your VSE data, applications and processes available across your network using industry-standard methods. You CAN support .Net or Java application development. You CAN deliver full-function, Rich Internet Applications from your VSE system. Come learn how, from the Company who has been delivering real-world 3270 to Web solutions for VSE customers for over 10 years!

## Sunday 10:30 AM

U1 Handling Storage Violations in CICS/TS – Part1

Moderator: Karl DeVore

Speaker: Eugene Hudders, C\Trek Corporation

This presentation will cover the various aspects of dealing with Storage Violations in CICS/TS. Gene’s presentation will include information about Exception Entries recorded in the Internal Trace table, the SIT - STGRCVY parameter, DSA areas above and below, Dispatch Control Blocks, Storage Check Zone, Protection Facilities, causes of Storage Violations, and Dump Analysis. Gene will then conclude his presentation by providing some Storage Violation Debugging Hints. Part 2 of this presentation will follow immediately in the next session at 11:45 am.

U2 LE 101: Gee, I never knew I could do that – Part 1

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

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## U3 **Introducing the z/VM RACF Security Server**

Moderator:

Speaker: Alan Altmark, IBM

Security isn't free. It requires a plan, a product, and will to implement both. Come to this presentation to hear about IBM's RACF Server feature for z/VM. Among other things, you'll find out about "profiles" and "classes", and the difference between mandatory and discretionary access controls. Find out how RACF can protect the data, the users, and the virtual servers on your z/VM system.

## U4 **Analyzing and Tuning Linux Storage in a z/VM Environment** Moderator: Jeff Barnard

Speaker: Barton Robinson, Velocity Software

Running Linux under z/VM \_well\_ requires an understanding of Linux storage and the tuning options that exist. This presentation looks at how Linux storage can be measured, and how XIP and CMM can be used to improve performance.

## V1 **Maximize Value of Linux on System z**

Speaker: Kapil Lohia, Senior Advisor, Solution Strategy, CA

Would you like to remove the complexity and lower the costs of managing, provisioning and securing your z/VM and mainframe Linux environments? Discover how you can:

- Streamline your z/VM virtualization platform

- Secure your entire mainframe Linux infrastructure

- Monitor and optimize performance of Web and Java applications running on mainframe Linux

- Automate workloads and operations to optimize resources

CA combines experience and innovation that enables you to exploit integration between z/OS, z/VM, Linux on System z and distributed systems to further improve IT efficiency. Learn more about CA's flexible z/VM and Linux on System z solutions that can help you further optimize this strategic environment.

## V2 **Affordable Mainframe Virtual Tape Solutions tailored for SMB environments**

Speaker: Pratt Parrish, Bus-Tech, Inc.

This presentation will introduce new models of Bus-Tech's Mainframe Data Library (MDL) family of Mainframe Virtual Tape Library (VTL) platforms that are tailored to address the needs and budgets of small to medium mainframe customers. The new entry MDL models are built on our industry leading VTL technology with more than 350 installations spanning 17 countries. MDL responds to your mainframe as FICON or ESCON attached 3480, 3490 or 3590 tape drives, and works with your existing tape management systems and applications. MDL, however, can improve your backup and other tape application processes with improved reliability, availability and performance over your current tape-based environment.

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## Sunday 11:45 AM

### U1 **Handling Storage Violations in CICS/TS – Part2**

Moderator: Karl DeVore

Speaker: Eugene Hudders, C\Trek Corporation

This is part 2, of a two-part session that began at 10:30. See the Sunday 10:30 abstract for more details on session content. Even if you were unable to attend Part 1 due to a conflict, feel free to attend Part 2 as Gene's presentations contain a wealth of information.

### U2 LE 101: Gee, I never knew I could do that- Part 2

### U3 **Installing RACF for the First Time**

Moderator: Hans Rempel

Speaker: Bruce Hayden, IBM

Customizing and activating the RACF Security Server feature of z/VM is a process with many steps. This presentation will review the steps, offer several suggestions and shortcuts for configuration, and show you how to get RACF up and running on your z/VM system.

### U4 **Configuring LDAP on z/VM and Linux**

Moderator: Rich Smrcina

Speaker: Richard Smrcina, VM Assist

The security landscape of z/VM has changed significantly with the introduction of the LDAP server and the RACF Security server. This session will show the configuration of the LDAP server for z/VM and demonstrate how to integrate it with Linux on System z.

### V1 **Supermarket Savvy: Minimizing Costs and Maximizing ROI with Linux on System z**

Speakers: Jerry Whitteridge, Safeway Inc. and Brian Jagos, CA

Discover how one of the largest supermarket chains in North America proactively manages and optimizes their z/VM and mainframe Linux environment. This session will discuss how you can:

- Effectively manage availability and maintenance on hundreds of Linux servers

- Minimize costs of running Linux on System z servers over time and better leverage your current software investments

- Keep critical workloads up and running on your z/VM environment using server consolidation and virtualization

### V2 **“Extend Your z/VSE Business Applications Quickly and Inexpensively by Leveraging z/Linux”**

Treehouse Software

Many organizations continue to enjoy the robustness and cost-effectiveness of running bread-and-butter business systems on z/VSE. But extending these applications and their databases to meet today's customer expectations for Web applications, business intelligence systems and desktop access to enterprise databases is a daunting challenge. This session will present real customer case studies showing how the challenge is met through strategies of database replication to (and from) z/Linux and exposing z/VSE-based databases to open systems directly, featuring the products tcVISION and

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tcACCESS, distributed by Treehouse Software. These days, the way to be a hero is to save your organization money as you help meet business imperatives. Attendees will learn how leveraging powerful but cost-effective products and the z/Linux platform deliver solutions in a fraction of the time and cost of “rolling your own”.

## Sunday 12:45 PM      Lunch in Vendor Room

### Sunday 3:00 PM

U1    **z/VSE Security Concepts and News (Security – Part 1)**      Moderator: James Moore  
Speaker: Ingo Franzki, IBM

This session provides an introduction to the basic security concepts of z/VSE. 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 connect to anyone and everyone. It will cover new security features first introduced in z/VSE V3.1.1, plus z/VSE V4.1 and V4.2 enhancements such as new auditing features.

U2    **Introduction to SAN (Storage Area Networks)**      Moderator: Billy Bingham  
Speaker: Siegfried Langer, IBM

Companies are searching for more efficient ways to manage ever-expanding volumes of data and to make that data accessible throughout the enterprise - this is propelling the move of storage into the network. The Storage Area Network (SAN) infrastructure offers simplified storage management, scalability, flexibility, availability, and improved data access, movement, and backup. SAN is typically used to consolidate storage resources in an open systems environment, but can provide new options beyond enterprise storage. z/VSE Version 4.2 supports the SAN Volume Controller allowing z/VSE environments and Linux to connect to a SAN.

U3    **Lab: Running z/VM to Host Linux - Installation and Customization - Part 1 of 3**  
Speakers: Richard Lewis and Jon vonWolfersdorf, IBM

With the rapid growth and popularity of Linux on System z, many businesses are faced with the challenge of deploying a z/VM system to support the planned Linux workload. This hands-on lab is designed to begin the process of developing z/VM system programming skills. The workshop will begin with an overview of z/VM and virtualization concepts. 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 V5.4 system running in a virtual machine to configure and work with.

**Note:** The lab will be held in Forum East 2.

U4    **Linux under z/VM Performance Analysis Case Studies**      Moderator: Rich Smrcina  
Speaker: Barton Robinson, Velocity Software

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This presentation will show Case studies in measuring Linux under z/VM performance.

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## Sunday 4:15 PM

### U1 Exploiting Crypto with z/VSE V4.2 (Security – Part 2)

Moderator: Pete Clark

Speaker: Ingo Franzki, IBM

In today's business climate you must protect critical data. Penalties for allowing personal information to become compromised (theft, mismanagement, or loss) are costly and unforgiving. You need encryption. This session will show you how to exploit z/VSE security features like Encryption Facility for z/VSE and SSL (Secure Socket Layer). In addition, it will describe IBM mainframe cryptographic technology, including Crypto Express2 and CP Assist for Cryptographic Function (CPACF). It covers z/VSE's support for the IBM TS1120 and TS1130 (new) encrypting tape drives as well.

### U2 SOA – Give it a REST!

Moderator: Karl DeVore

Speaker: Karl DeVore, Lake County, IL

Could SOA be the wrong answer for you? If SOA keeps you awake at night, maybe you need some REST! IT teams tasked with integrating CICS and/or other mainframe resources into a services-based architecture know the challenges of SOA. Now along comes REST, and with it comes a whole new set of questions. Which do you choose, SOA or REST? Or do you need a combination of both? What

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services approach is right for your situation? And at what cost – to your team and your budget? And how do you make the best decisions? You will find out how to navigate through the SOA vs. RESTful services terrain, and he'll provide you with a practical SOA/REST decision-making framework based on technology and business value.

- U3 **Lab: Running z/VM to Host Linux - Installation and Customization - Part 2 of 3**  
Speakers: Richard Lewis and Jon vonWolfersdorf, IBM Moderator:

This is a continuation of the z/VM V5.4 installation lab that started at 3:00 PM.  
Note: The lab will be held in Forum East 2.

- U4 **Fedora for System z** Moderator: Rich Smrcina  
Speaker: Shawn Wells, Redhat

Have you ever wanted to change something regarding Linux on System z? Do you believe there is a key feature missing, and you can help impliment it? Fedora is a completely open source operating system which sets the technical direction for Red Hat Enterprise Linux (and other distributions as well). Come learn how the open source code turns into Red Hat Enterprise Linux and what you can do to help

- V1 **Very Smooth Experience with .NET – a great place for COBOL programmers**  
Alchemy Solutions

Alchemy Solutions is proud to participate in WAVV 2009. As the distributor for Fujitsu's NetCOBOL® products everywhere in the world outside of Japan, we share a heritage with you of appreciating mainframe capabilities. We also appreciate the benefits of using the Microsoft® technologies in making your development efforts easier and more productive. The DOS/VSE development environment is a proven one, but doing development with the .NET tools is an amazing experience. And running your online and batch applications in an enterprise Microsoft Windows® environment will allow you to see better performance at a much lower cost. Your proven business logic remains untouched, and your valuable development team gets to leverage their experience in a newer, more agile environment that makes them even more productive.

In order to see this **Very Smooth Experience**, please stop by and see our presentation on Sunday at 4:15 PM!

- V2 **C\Trek for CICS!**  
Barnard Software

What is C\Trek? What can it do for me? C\Trek is an automated CICS TS tuning product. Not only does C\Trek tell you what is happening inside CICS TS but it even tells you what to tune and how to do it! Come hear the authors of this amazing product give you the inside story.

## Sunday 5:30 PM

- U1 **Uncover what is possible on a Smarter Planet** Moderator: Rich Smrcina  
Speaker: Siegfried Langer, IBM

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

V1 – Legacy South 3

V2 – Forum East 2

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Lab – Forum West 1 & 2

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Value is shifting in the IT industry, driven by the rising tide of global integration, a new computing paradigm and new client needs.

The world will continue to become smaller, flatter and smarter. We are moving into the age of the globally integrated and intelligent economy, society and planet.

CIOs have the opportunity to capitalize on the emergence of smart systems that will have a profound effect on challenges facing the planet.

This session will provide an overview on IBM's Smarter Planet campaign and how it can affect your business, including New Intelligence, Smart Work, Green, and Dynamic Infrastructure.

## U2 **SOA Roadmap and Application Integration Solutions with z/VSE**

Speaker: Wilhelm Mild, IBM

Moderator: Charlie Rice

Service Oriented Architecture is a new thinking how to integrate heterogeneous environments.

The basic concepts will show you how to start organizing the logic in your It for SOA.

The trend for Service Oriented integration of applications was empowered with the new Version of WebSphere MQ Series for z/VSE Version 3, which enables the possibility of data interchange with the Open platforms using messaging services.

## U3 **Lab: Running z/VM to Host Linux - Installation and Customization - Part 2 of 3**

Speakers: Richard Lewis and Jon vonWolfersdorf, IBM

This is a continuation of the z/VM V5.4 installation lab that started at 3:00 PM.

Note: The lab will be held in Forum East 2.

U4

## V1 **Manage your VSE output using VPSX on z/Linux**

Speaker: Tammy Power, LRS

This session will focus on how VPSX can be used to centralize, manage, and deliver output across your enterprise, including VSE print jobs. An easy to use web interface allows help desk personnel to identify and handle print related issues. This same web interface provides the system admin a simple method of defining and maintaining print queues. Learn how using features such as job retention, reprint, reroute, automatic retries, document viewing, security, alerts, accounting, and continuous device monitoring can improve your current printing environment. Bi-directional printer feedback using protocols such as IPP and PDL can be exploited to ensure print delivery. Eliminate redundant or application specific printing solutions by implementing VPSX to handle all your printing requirements.

## V2 **Options to reduce daily operational budgets, augment system support, and Options for Disaster Recovery**

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Baer Consulting

IT budgets are being taxed in most environments; Baer Consulting, Inc will share several ideas from our experiences to help reduce your daily operational budgets and streamline your SystemZ environment.

In addition, we will show you several options for Disaster Recovery which will include a full range of solutions from certification of your plan to warm/hot site services.

**Sunday 7:00 PM – 11:00 PM**

***Splash & Exhibits***

**Exhibit Hall**

Special People Love a Special Happening. Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

**Monday May 18, 2009**

**Attendee Registration**

Registration

See Bennie Pugh

**Monday 8:00 AM**

U1 **z/VSE V4.2 Internals – Part 2**

Speaker: Ingolf Salm, IBM

Moderator: Tony Thigpen

This session will go into the technical details of z/VSE V4 functions and provide some insight into the z/VSE operating system. Ingolf will discuss the implementation of key V4.2 capabilities including 64 bit, CPU balancing, Parallel Access Volume (PAV), "more tasks", and IBM System Storage SAN Volume Controller (SVC) support. Key security and crypto enhancements will be covered as well. Part 2 is a continuation of Part 1, but it is a stand-alone session. That is, attendance at Part 1 is not required.

U2 **Integrating z/VSE into an Identity Management System using LDAP**

Speaker: Ingo Franzki, IBM

Moderator: Rich Smrcina

This presentation will illustrate how to integrate z/VSE into a enterprise-wide Identity Management System using the new LDAP Signon Support (LDAP Client) in z/VSE 4.2. It focuses on options and benefits. Ingo will cover basics of Identity Management Systems and LDAP Directories. This session provides implementation details about z/VSE V4.2 LDAP Signon support.

U3 **z/VM Security and Integrity**

Speaker: Alan Altmark, IBM

Moderator:

IBM System z customers are familiar with the isolation, security, and integrity features that the hardware provides. However, many customers using z/VM for the first time are new to the world of Virtualization and seek reassurance not only that multiple virtual servers can share hardware resources efficiently, but that they run in a secure environment and comply with organizational IT security policies. This presentation is an overview of the security and integrity characteristics of z/VM. We will discuss what's new, how it works, auditing, customer concerns, customer responsibilities and IBM commitments. The speaker will also provide information about z/VM's Common Criteria certification.

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

V1 – Legacy South 3

V2 – Forum East 2

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Lab – Forum West 1 & 2

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U4

**U5 Lab: Linux on System z Installation Hands-on-Lab: Part 1 of 3** Moderator:  
Speakers: Richard Lewis and Jon vonWolfersdorf, 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 Novell/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, multipath FCP attached SCSI devices and join them in a Logical Volume.

This lab will be continued with Parts 2 and 3.

Note: The lab will be held in Forum East 2.

## Monday 9:15 AM

U1

**U2 z/VSE Tools Overview and Update**  
Speaker: Ingo Franzki, IBM

Moderator: Tony Thigpen

The z/VSE web site offers more than 20 tools (provided unsupported, 'as is', at no additional charge) for download. These tools are designed make certain z/VSE tasks easier and more interesting. Because of the sheer number of tools, you may have lost track about what tools are provided and what they are for. There may be a tool available that you are not aware of, for a task you need to perform. This session will provide an overview of each the tools currently available on the z/VSE homepage. For every tool, a short description and usage scenarios will be discussed.

**U3 Memory Management of Linux Guests**  
Speaker: Xenia Tkatschow, IBM

Moderator:

This presentation will review two features for memory management that involve synergy between z/VM and Linux for System z. The first, Cooperative Memory Management (CMM 1) uses the VM Resource Manager (VMRM) to approach the problem in a quantitative fashion. The second, Collaborative Memory Management (CMM2) involves changes in z/VM and Linux to exploit hardware features to share information about how Linux memory is actually being used. The presentation will review performance results of each approach, separately and together.

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- U4 **Managing your RHEL VMs with Red Hat Network Satellite** Moderator: Jeff Barnard  
Speaker: Shawn Wells - Redhat

Red Hat Network (RHN) Satellite is a tool which can provision, manage, update, and monitor your RHEL VMs running on System z -- with the added bonus of managing your distributed systems too. In this session we will talk through how RHN Satellite works, step through provisioning RHEL VMs on a System z, show how to deploy your own (custom) applications, give an overview of the internal communication subsystems, then proceed with a live demo. If network conditions are right, we will remote into Red Hat's z9 and detail out our internal configuration.

- U5 **Lab: Linux on System z Installation Hands-on-Lab: Part 2 of 3** Moderator:  
Speakers: Richard Lewis and Jon vonWolfersdorf, IBM

This is a continuation of the Linux Installation Lab that started at 8:00 AM.  
Note: The lab will be held in Forum East 2.

- V1 IBM – Career Day  
Host: Marc Smith, IBM

Area Students Visiting WAVV

- V2 Data 21

## **Monday 10:30 AM**

- U1 **VSE connectors, Installation and use. User experience Part 1** Moderator: Hans Rempel  
At print time the following have graciously offered to share their experiences:  
Mike Moore, VSEScript, VSAM Redirectors, Navigator, VSAN Maptool, VTAPE  
Don Hermes, SQL with VSAM redirectors, Crystal Reports, VSAM Maptool  
Chris Behrends , VSE system class libraries, JAVA using VSE Connectors/VSAM MAPTOOL  
Glenn Thompson, Navigator, VSAM Mapping Tool, JAVA connectors (LINUX) accessing VSE VSAM

These two sessions are devoted to user presentations on how VSE connectors are being used in their shop. Each user will provide a short presentation on why they are perusing the use of VSE connectors, how they will help their business and the usual trials and tribulation that go with it. The users will form a panel to field question from the floor. Live demo(s) will also be available.

Two back to back sessions have been reserved to provide ample time for all user presentations and a lively question/answer session with the user panel. Please contact the moderator if you also wish to also share your experience and join the user panel.

- U2 **Workshop: Rational Developer for System z** Moderator: Charlie Rice  
Speakers: Ingo Franzki and Wilhelm Mild, IBM

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This session will demonstrate Open Source 'Eclipse' technology. It includes advanced editing, syntax highlighting, error reporting, and integrated change management. Come see how the Eclipse environment applies to COBOL and PL/I development for z/VSE using the IBM Rational Developer for System z.

See how the same open platform applies to development of Linux applications as well.

U3 **Automation Using z/VM Operations Manager** Moderator  
Speaker: Bruce Hayden, IBM

Come learn about the tools and technology from IBM for managing your z/VM environment, including guests such as z/VSE and Linux on System z. Topics will include system management, automated operations, and monitoring.

U4 **Episode III: OpenSolaris on System z: TIE Fighters Off the Starboard Bow, Mr. Cohen**  
Speaker: David Boyes, Sine Nomine Associates Moderator: Rich Smrcina

We've been discussing the development and challenges in bringing OpenSolaris to the System z platform in earlier talks; now come hear about the released code and the things we plan to do with it next. The presentation will discuss the technical requirements for running the OpenSolaris code, the latest developments in release capabilities and tooling, and the latest on the Java front. Come see Neale Ferguson demonstrate why he's Chief Developer, and why I'm Chief Vendor Herder, Lord of Words and Flacks.

Suitable for families and sensitive individuals, but may contain occasional bad jokes, funny accents and references to difficult Companies of Large Reputation. Rated PA1 for system interruptions.

U5 **Lab: Linux on System z Installation Hands-on-Lab: Part 3 of 3**  
Speakers: Richard Lewis and Jon vonWolfersdorf, IBM

This is a continuation of the Linux Installation Lab that started at 8:00 AM.

Note: The lab will be held in Forum East 2.

V1 **“Go “Tapeless” for VM and VSE Production, Backup & DR!”**  
Speaker: Scott James, Director, Business Development

Learn how VM and VSE mainframe customers have eliminated physical tape for production, backup and disaster recovery while dramatically improving reliability and access to mainframe data utilizing Luminex's Channel Gateway and Data Domain's De-Duplication Storage. Luminex's Channel Gateway with native FICON and ESCON connectivity allows mainframe customers to take advantage of Data Domain's 20-to-1 or greater compression for efficient, reliable and cost-effective tapeless production backup and remote disaster recovery. Full volume backups can be cost-effectively replicated to a remote location by using only a fraction of the bandwidth normally required, making tapeless backup an achievable reality. The Luminex-Data Domain solution allows weeks worth of backups to be online for efficient and rapid access, while eliminating the need to manage and store physical tapes.

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Luminex and Data Domain will discuss how their customers have deployed the innovative Luminex/Data Domain solution to successfully solve real world mainframe customer data management issues. We will present and review actual customer performance data and discuss why customers selected Luminex/Data Domain over competing solutions.

## V2 **Building the Case for System z Linux**

Presenter: Marianne Eggett, Linux on System z Practice Manager, Mainline

During the last 8 years, the team at Mainline Information Systems has been implementing System z Linux solutions. These solutions include simple file and print solutions to On Line Banking website and large Oracle databases supporting Oracle eBusiness suite and PeopleSoft applications. Mainline is involved in the whole life cycle of the identifying the business case, building the Total Cost of Ownership, proving the solution and implementing the solution. In this presentation, the topic will cover the first two steps - identifying the business case and building the Total Cost of Ownership. We will walk through a number of examples to demonstrate the financial value of the System z Linux solution.

## Monday 11:45 AM

### U1 **VSE connectors, Installation and use. User experience Part 2** Moderator: Hans Rempel

At print time the following have graciously offered to share their experiences:

Mike Moore, VSEScript, VSAM Redirectors, Navigator, VSAN Maptool, VTAPE

Don Hermes, SQL with VSAM redirectors, Crystal Reports, VSAM Maptool

Chris Behrends, VSE system class libraries, JAVA using VSE Connectors/VSAM MAPTOOL

Glenn Thompson, Navigator, VSAM Mapping Tool, JAVA connectors (LINUX) accessing VSE VSAM

These two sessions are devoted to user presentations on how VSE connectors are being used in their shop. Each user will provide a short presentation on why they are perusing the use of VSE connectors, how they will help their business and the usual trials and tribulation that go with it. The users will form a panel to field question from the floor. Live demo(s) will also be available.

Two back to back sessions have been reserved to provide ample time for all user presentations and a lively question/answer session with the user panel. Please contact the moderator if you also wish to also share your experience and join the user panel.

### U2 **Encryption 101**

Moderator: Tony Thigpen

Speakers: Tony Thigpen, TEI and Jeff Barnard, BSI

What is 'encryption' and why does it matter?

### U3 **Introduction to z/VM Performance**

Moderator:

Speaker: Xenia Tkatschow, IBM

Want to know everything there is to know about VM Performance? Well, I hope you won't be disappointed. We only have an hour in the session, so we cannot cover everything. However, you will

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learn the foundation and tools you need to tackle various performance problems. This presentation will cover configuration guidelines, monitoring, and tuning. Lots of pointers to additional information will be given so that you can learn even more on your own.

## U4 **Dave and Neale's Most Excellent Idea Factory: Dynamic CPU and System Emulation for Non-390 Systems on System z10**

Speaker David Boyes, Sine Nomine Associates

Moderator: Rich Smrcina

As part of the OpenSolaris work, we've been developing some new ideas about how other environments based on non-System z architectures could be brought into the managed environment that z/VM provides so easily on our System z boxes. This talk presents some of the more promising approaches to the problem, provides some discussion, and -- development state permitting -- a look at some research prototypes of POWER and Alpha applications running on a z/Architecture system. Can it take over running production workload for the bank tomorrow? Probably not, but I think the ideas are worth developing and discussing with a larger audience. Come see what we're cooking up next...

(Note: this is a research presentation. Some topics discussed in this talk will be theoretical in nature, and may never actually work at all, let alone produce production quality environments. This will be a very interactive session, so come prepared to think hard and talk about what you think you could do if this sort of thing were practical. Reading list available on request.)

## V1 **IBM Inventory Check-up and Invoice Review**

Speaker: Ron Campbell, IBM

Ron Campbell of IBM zSeries Techline will hold an informal one on one session where you can review your current IBM Inventory as it is listed in the IBM database. He will have direct access to IBM's Software Licensing database so he can review your current Licensing and advise if there are items that should be changed. This is also a chance for you to review your current Invoice to make sure that you are licensed correctly and also to make sure that the products you are licensed for are correctly charged. In the past we have found many customers who have had incorrect billing and licensing and have not taken advantage of some unique pricing available to zVM and zVSE customer's. Bring your latest invoice and Ron will be happy to try and answer any licensing or billing questions that you have. He may also be able to initiate any corrections or updates directly with CSO, depending on the what the issues are. He can also upgrade your software or add new software to your existing inventory.

## V2 **Virtual Tape and Remote Recovery SecureAgent WAVV Presentation**

The Secure Data Solution<sup>®</sup> (SDS) is a patented and patent-pending virtual tape system and remote vault that allows an organization to efficiently store and retrieve compressed and encrypted virtual tape images for mainframe, AS/400 and/or Open Systems. As virtual tape images are being written to a local SDS, they can also be transmitted to other Secure Data Solutions installed at remote sites for disaster recovery purposes or to be shared by applications that can process these virtual tape images by computer systems that are connected to the SDS at the remote sites. The Secure Data Solution can save an

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organization the liability from the loss or theft of sensitive data by its inherent data encryption and by reducing off-site tape handling requirements. The Secure Data Solution also allows organizations to continue writing to physical tape devices should they want to compress/encrypt images to physical tape via a configurable option.

The Secure Data Solution resides in a standard communications cabinet and requires few environmental resources. An organization can install a remote SDS at another office, a remote data center, a disaster recovery provider, or their vital records provider's facility. When the remote Secure Data Solution is connected to computer systems at the remote site, the virtual tape images are accessible by the remote computer systems to which it is attached. The entire Secure Data Solution environment (all sites) can be managed by a single operator console.

Unlike traditional tape, the Secure Data Solution allows a virtual tape image to be read concurrently by multiple processes. Another system can also begin reading a volume as soon as a few blocks have been written, without having to wait for the tape write to complete.

SecureAgent also provides a line of encrypted systems connectivity tools for remote mainframe and midrange systems consoles as well as a suite of console consolidation and automation tools.

**Please visit SecureAgent at Booth #19.**

**Monday 12:45 PM**      **Lunch in Vendor Room**

**Monday 3:00 PM**

U1    **Workshop: How to Exploit SOA Using z/VSE Web Services**      Moderator: Pete Clark  
Speakers: Ingo Franzki and Wilhelm Mild, IBM

This session demonstrates how existing VSE applications can become Web Services. The CICS2WS Toolkit is a "no charge" development tool that helps to transform a CICS application into a Web Service on z/VSE. It also helps define the interface a z/VSE application can use to call on an external Web Service on a remote platform. Come see how to do it practically and seamlessly.

U2

U3    **Using New CP Features in z/VM 5.4**      Moderator: Hans Rempel  
Speaker: Alan Altmark, IBM

The latest release of z/VM includes 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.

U4    **Configuring Linux on z/VM for Performance**      Moderator: Rich Smrcina  
Speaker: Barton Robinson, Velocity Software

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

V1 – Legacy South 3

V2 – Forum East 2

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Many installations have failed in their proof of concept because of simple errors in the configuration. Linux on System z is NOT Linux on Intel. The requirements are different. But on System z, we have technologies that other platforms can only dream of - and utilizing those technologies often means the difference between success and failure. This presentation provides configuration guidelines on how to configure Linux for performance and success.

## V1 **Web 2.0 access to CICS**

Solon

Web 2.0 technology can be used to provide light weight RESTful web services for CICS applications

## V2 Mackinney

### **Monday 4:15 PM**

#### U1 **Bringing you up-to-date with VSAM in z/VSE V4.2**

**Moderator: Billy Bingham**

Speaker: Wilhelm Mild, IBM

With z/VSE 4.2 we have implemented quite a number of enhancements, changes and a lot of new functionality. In this session we will show new stuff in and around VSAM.

#### U2 **CICS TS Performance Tutorial -- Other Tuning Opportunities**

Speaker: Eugene Hudders, C\Trek Corporation

Moderator: Karl DeVore

This session will provide additional information on how you can improve performance and response times by the elimination of I/O operations. The use of data tables, and structure are discussed in detail. In addition, this presentation will cover Temporary Storage and simple things that can be done to improve performance specifically when using DFHTEMP (TS AUX).

#### U3 **z/VM Parallel Access Volume (PAV) and HyperPAV Support**

Speaker: Richard Lewis, IBM

Moderator:

This presentation contains an overview of Parallel Access Volumes (PAVs) and Hyper Parallel Access Volumes (HyperPAVs), z/VM's support of these devices as minidisks for guest operating systems, such as z/OS, that exploit the PAV architecture, as well as potential benefits for those guests that do not exploit PAVs themselves, such as CMS.

#### U4 **Managing Linux under z/VM**

Moderator: Jeff Barnard

Speaker: Barton Robinson, Velocity Software

Managing Linux on a mainframe requires capacity planning, performance analysis, chargeback, and operational support. This presentation discusses a technology that can be used to accomplish it all effectively.

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## Monday 5:30 PM

### U1 **The IBM Academic Initiative System z Program**

Moderator: Charlie Rice

Speaker: Marc Smith, IBM

Are you aware that this program has actively recruited over 400 colleges and universities world wide to help address the foreseen z skills shortage. Come hear details about this program that you can share with associates and management in your company. Also discussed will be some tips and hints on how you can work with IBM to recruit schools in your area and/or to help raise awareness in local high schools to drive students to schools teaching large systems topics.

### U2 **EZA Sockets Programming – Part 1**

Moderator: Tony Thigpen

Speakers: Karl DeVore, Lake County, IL and Tony Thigpen, TEI

EZA Sockets Programming – User Experience - Part 1 Listen to one users experience with EZA Sockets Programming. Part 1 covers the application and processes. Part 2 (Tue 8:00) will cover the actual coding.

### U3 **z/VSE Performance - New Techniques**

Moderator: Billy Bingham

Speaker: Pete Clark - CPR Systems

z/VSE software and hardware have changed dramatically in the last 10 to 15 years and so have z/VSE performance analysis, considerations and solutions. We will identify those changes and challenges and come up with specific techniques and solutions for the z/VSE of today. Stop wasting effort collecting data and turning the wrong knobs, spend your time and effort where it will makes a difference.

### U4 **Making z/VM and Linux Guests Production Ready... Best Practices**

Speaker: Jon vonWolfersdorf – IBM

Moderator: Rich Smrcina

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.

## Prefunction Area – 2nd Floor

**Monday 07:00 PM – 11:00 PM** *Splash*

**Special People Love a Special Happening.**

Food, drinks and especially interesting conversations. Come early, stay late, ask questions, get answers, give opinions, but do not miss SPLASH.

## Tuesday May 19, 2009

### Tuesday 8:00 AM

#### U1 **EZA Sockets Programming – Part 2**

Moderator: Karl DeVore

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U2 – Legacy North 2

U3 – Legacy South 1

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U4 – Legacy South 2

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Speakers: Tony Thigpen, TEI and Karl DeVore, Lake County, IL

EZA Sockets Programming – User Experience - Part 2 In depth look at the program coding discussed in part 1.

- U2 **WebSphere MQ for z/VSE V3.0 Exploitation and Solutions** Moderator: Billy Bingham  
Speaker: Wilhelm Mild, IBM

Recently a new Version of WebSphere MQ for z/VSE V3.0 was released. This session will show the exploitation of the brand new WebSphere MQ for z/VSE V3.0, which opens the way to new possibilities of messaging communications across platforms and architectures. With WebSphere MQ, a whole lot of solutions can modernize your business and the door is wide open for z/VSE to be part of a modern Enterprise Bus and SOA solutions.

- U3 **Using z/VM in a SCSI Environment** Moderator: James Moore  
Speaker: Richard Lewis, IBM

Provides an overview of z/VM's 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.

- U4 **Picking the Best Workloads to Run on Linux System z** Moderator: Rich Smrcina  
Speaker: Bill Reeder - IBM

Explanation of the underling System z architecture Virtualization with and Linux. We will cover how to determine which applications make the most sense and why, followed by customer examples.

## Tuesday 9:15 AM

- U1 **CICS/VSE to CICS/TS Migration User Experience** Moderator: Karl DeVore  
Open Forum, Speaker: Karl DeVore, Lake County, Illinois

Are you dragging your feet in moving to CICS Transaction Server? Did you know that z/VSE 4.x is the last release of z/VSE that will ship CICS/VSE 2.3? It's time to migrate to CICS/TS!

We'll start off with a presentation describing a migration from CICS/VSE 2.3 to CICS/TS. Items to be covered will include moving from Macro table definitions to RDO, sharing a CSD with multiple CICS partitions supporting different configurations, and sizing considerations. This session is free format, so you are in control of where we will go in this session.

- U2 **Connectivity between DB2 VM/VSE Clients and DB2 LUW (Linux/UNIX/Windows) Servers**  
Speaker: Wilhelm Mild, IBM Moderator: Billy Bingham

Wilhelm will share his experiences from several customer projects. The focus will be on how to modernize a database environment on z/VSE and z/VM by leveraging a high scalable DB2 database environment on Linux on System z. From the usage of disk and memory, to the setup of connectivity,

U1 – Legacy North 1

U2 – Legacy North 2

U3 – Legacy South 1

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it is important to understand how to configure the environment for existing applications and take advantage of the flexibility and scalability of z/VM, Linux and DB2.

- U3 **z/VM Parallel Access Volume (PAV) and HyperPAV Support** Moderator: James Moore  
Speaker: Richard Lewis, IBM

This presentation contains an overview of Parallel Access Volumes (PAVs) and Hyper Parallel Access Volumes (HyperPAVs), z/VM's support of these devices as minidisks for guest operating systems, such as z/OS, that exploit the PAV architecture, as well as potential benefits for those guests that do not exploit PAVs themselves, such as CMS.

- U4 **Big Blue goes green: How IBM is consolidating computers to double capacity**  
Speaker: Bill Reeder, IBM Moderator: Rich Smrcina

On August 1, 2007 IBM announced that its Project Big Green would spur a global shift to Linux on the mainframe. Further, IBM claimed to “double computing capacity with no increase in consumption or impact by 2010.” And, as if that were not ambitious enough, IBM also announced that it would consolidate 3,900 of its own distributed servers to 33 mainframe computers in 3 years. How is it possible to achieve such massive consolidation?

## Tuesday 10:30 AM

- U1 **WAVV Requirements Processing** Moderator: Karl DeVore

Change the future, become a force to be reckoned with, submit a requirement. Do not just sit there participate. The WAVV Requirement process is initiated by the user submission of a requirement. The requirement is reviewed by this session, discussed, voted on and then submitted to the product vendor. This has to be one of the more valuable sessions at WAVV.

WAVV accepts requirements against all products and vendors.

## Tuesday 11:45 AM

- U1 **WAVV Free-for-All** Moderators: Pete Clark and Charles Rice

The final session for WAVV. It is fitting that it is the Free for All. Great questions and answers from knowledgeable users and vendors. This session will go until there are no more questions or answers.

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## Notes

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