

WAVV Agenda



Chattanooga TN
April 18 – 22, 2008

WAVV Committee

Requirements:

Karl DeVore, Lake County
Ellen Alexander, School Dist of Lee County
Ron Campbell, IBM Canada
Tony Thigpen, Thigpen Enterprises, Inc.
Dennie Long, Waukeska Health System

User Groups:

Ron Campbell, IBM Canada
Pete Clark, CPR Systems

Vendor Relations:

Pete Clark, CPR Systems

IBM Representatives:

Alan Altmark
Jerry Johnston

CICS:

Karl DeVore, Lake County
Ken Ripple, ADI/Honeywell
Dave Stuart, County of Ventura

Data Management:

Juan Alegria, CSI International
Billy Bingham, St. John Medical Center
Dan Janda
Keith Johnson, CSI International
John MyCroft, CSI International

e-Business and Multi-Platform Computing:

John Lawson, illustro Systems
James Moore, Moore-Handley

Futures / Directions:

Eric Vaughan, illustro Systems
Rich Smrcina, VM Assist

Hardware:

Archie Harris, Mainframe Solutions
Aubrey Hayes, CFS/Suntech

LINUX:

Jeff Barnard, Barnard Software, Inc.
Rich Smrcina, VM Assist

Network Computing:

Steve Dunnavant, Cendant Timeshare
Debbie Henderson, Hanes
Hans Rempel, HMR Consultants

Performance:

Keith Kaszak, PSR, Inc.
Ken Meyer, CSI International
Gale Peterson, CSI International

Utilities and Languages:

Chris Sims, TxMQ Inc.
Martin Trudbner, Germany

VSE Systems Control and Productivity:

Tony Thigpen, Thigpen Enterprises, Inc.
Gil Porter, DHL Computing Service
Ellen Alexander, Lee County Schools

VM:

Pam Lovely, Skyline Corp.
David May
Steven Southerland, Ceridian

Staff:

Pete Clark, CPR Systems
Bennie Pugh, CPR Systems
Charlie Rice, Carolina Steel
Kathy Clark, WAVV Volunteer
Midge Pugh, WAVV Volunteer
Judy Rice, WAVV Volunteer

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

Friday April 18, 2008

Attendee Registration

02:00 PM – 9:00 PM

Registration

Room 10, Convention Center

Marriott East & West

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 April 19, 2008

Attendee Registration

07:00 AM – 7:00 PM

Registration

Room 10, Convention Center

Saturday 8:00 AM

R15 **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

R15 **IBM Update**

Moderators: Pete Clark and Charles Rice

Speakers: Alan Altmarm, Dr. Klaus Goebel and Jerry Johnston, all from IBM

A brief update on what's new with z/VSE, z/VM, Linux on System z, and IBM System z servers in the year since WAVV 2007 in Green Bay. The IBM Update will be broadcast live on SecondLife.

Saturday 10:30 AM

R15 **The Future – Now and Tomorrow**

Moderator: Eric Vaughan

Speaker: Dr. Karl-Heinz Strassemeyer, IBM & Eric Vaughn, illustro Systems

Dr. Karl-Heinz Strassemeyer, Distinguished Engineer from the IBM Boeblingen Laboratory will once again headline this session to talk about hardware, software and technology advances which affect the mainframe user. He will highlight the newly announced System z10 as milestone breakthrough towards the future datacenter. This will include special function accelerators, e.g. based on the Cell processor. Karl will also clarify the background behind the widespread rumor that the System z10 is running on a POWER chip. IT IS NOT, however ...

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 1

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

This session is a must for all to attend to hear straight from one of the most respected and knowledgeable technologists within IBM about the trends and efforts that will affect your future.

- R14 **Bringing You Up to Date with IBM System z Hardware** Moderator: Aubrey Hayes
Speaker: David F. Anderson, IBM

A mainframe for everyone? You bet there is with the IBM System z. 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 (batch and CICS), new workloads (Linux, Java and database serving) or both! The best things really are packaged in a System z. Dave will focus on the newly announced IBM System z10 Enterprise Class (z10 EC).

- R13 **Virtualization Basics** Moderator: Steven Southerland
Speaker: Bill Bitner, IBM

This session is designed for those who are new to VM, are back working on VM after being away from it for a few years, or are just confused about the concepts of 'virtualization'. This session describes the basics of virtualization in VM, the resources it can manage, and various other facilities it offers. Terminology that will be used in other VM sessions this week will be introduced and explained here.

- R12 **Assembler Programming on Linux - A User Experience** Moderator: Chris Sims
Speaker: Martin Trubner

User experience in HLASM programming on the Linux environment.

Saturday 11:45 AM

- R15 **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 covers 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.

- R14 **“Project Big Green”** Moderator: Debbie Henderson
Speaker: David F. Anderson, IBM

Hear how IBM is implementing hardware, software, and services to become more energy efficient within their own IT network and how it can work for you as well.

For more information on IBM's Project 'Big Green', please use the URL below.

- IBM Project Big Green at: <http://www.ibm.com/press/greendatacenter> OR
<http://www-03.ibm.com/press/us/en/pressrelease/21524.wss>
http://www-03.ibm.com/systems/optimizeit/cost_efficiency/energy_efficiency/

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 2

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R13 **z/VM Security and Integrity**
Speaker: Alan Altmark, IBM

Moderator: Steven Southerland

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 the z/VM operating system. We will discuss how it works, auditing, and some of the knobs and levers available to control the environment, as well as customer responsibilities and IBM commitments. Come to this presentation to hear about the Common Criteria and the security-related enhancements introduced in z/VM V5.3.

R12 **Assembler Language 201**
Speaker: Martin Treubner

Moderator: Gil Porter

We will focus on converting an Assembler program to relative and immediate instructions. The effect on the program is to reduce the size (storage required) and to reduce the number of registers necessary for base/displacement storage addressing. With the latest z/VSE program storage may not be quite as big a concern, the number of registers available for program addressability is still the same and by reducing the program size, we conserve, library space, main memory space and base registers.

Actual case study production programs will be used as examples.

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

Saturday 1:45 PM

R15 **z/VSE News and Views**
Speaker: G. M. (Jerry) Johnston, IBM

Moderator: Tony Thigpen

This session should be part of the core WAVV curriculum for all VSE customers. It offers an overview of today's world of z/VSE and is designed to help you maximize the value of your WAVV experience. The presentation will cover what's new in VSE, the status of z/VSE V4.1, the outlook for z/VSE V4.2, as well as IBM's strategy for z/VSE. Come learn the latest on z/VSE including modernization. solutions involving Linux on System z, and exploitation of hardware (including encryption technology). With this session under your belt, you'll be better prepared to select those WAVV sessions offering the best value for your interests, professional responsibilities, and IT environment.

R14 **Assembler Education 101**
Speaker Pete Clark, CPR Systems

Moderator: Chris Sims

Building on prior sessions, we continue to look at basic assembler instructions. We will examine the basic use of the instructions and the way in which they work that allows for special unique functions.

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 3

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

The prior session examined moves, compares and branches, in this session we will examine some of the arithmetic instructions.

R13 **VTAPE and VPARS (Virtual Private Active Record Shadowing) for VM guests**

Speaker: Rick Bourgeois, VSSI

Moderator: Steven Southerland

This session will provide information on the features and functions of VPARS and VTAPE and how they fit in the VM environment.

VTAPE provides VM guests with the ability to define and use virtual tape drives as if they were real drives. Tape volumes are stored in virtual tape libraries on disk and libraries are sharable across multiple VM systems. Virtual tapes can be used by any VM guest and VTAPE includes a full library maintenance system for reports, backups and automatic scratches of expired virtual tapes. VPARS provides the ability for multiple VM guests to share system and user disks in write mode. The records modified by each guest are maintained in a private database owned by the guest. VPARS supports TPF, z/TPF, Linux and any Linux application or file system.

R12 **Choose the Wrong Architecture and Waste Millions**

Speaker: Mark Post, Novell

Moderator: Jeff Barnard

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.

Saturday 3:00 PM

R15 **Communicating with IBM**

Speakers: Carmen Span, IBM and Stev Glodowski, IBM

Moderator: Gil Porter

This session will provide you an overview of various service deliverables and ways of contact and communication with IBM in order to obtain them. It will give an overview of ShopzSeries. See how it can be used to order IBM products and service for 'e-delivery' (Internet download), on CD-ROM, or on tape cartridges. 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.

R14 **IBM Academic Initiative**

Speaker: Marc Smith, IBM

Moderator: James Moore

IT skills are in demand and the need is growing, especially the need for students who have enterprise systems [mainframe] skills. IBM continues to modernize and simplify the mainframe platform, while partnering with customers, business partners, and educators from around the world to build more of the skills that industry demands.

[R11 – Meeting Room 11](#)

[R12 – Meeting Room 12](#)

[R13 – Meeting Room 13](#)

[WAVV 2008](#)

[R14 – Meeting Room 14](#)

[R15 – Meeting Room 15](#)

[R16 – Meeting Room 16](#)

Page 4

[R17 – Meeting Room 17](#)

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

An important IBM program that schools and the mainframe community can leverage is the IBM Academic Initiative System z program. This innovative worldwide program is designed to assist colleges and universities in their education of students in modern mainframe technologies and concepts. IBM's goal for the Academic Initiative System z program is to build a pipeline of skills for the mainframe community. By working together, members of the mainframe community are helping spread the growth of large systems thinkers. Upon graduation, knowledgeable students will understand the relevance and versatility of the mainframe and possess the necessary in-demand skills for employment by IBM, its customers, and IBM Business Partners worldwide.

There has never been a better time for businesses to partner with academia and leverage the IBM Academic Initiative program. Come hear more about the program.

R13 **Managing z/VM and Linux on System z** Moderator: Pam Lovely
Speaker: Tracy Dean, IBM

Come learn about the latest 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, backup and restore, tape management, and archive management. The session will include live demos.

R12 **Linux on System z - What's new?** Moderator: Rich Smrcina
Speaker: Michael Holzheu, IBM

New interesting features like collaborative memory management for z/VM, automatic dump on panic, reipl 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.

R11 **Turn your mainframe into a true Web citizen**
Convtek

VIRTEL is a host-based light-client mainframe/Web on-the-fly protocol converter that can turn your mainframe into a true Web citizen in three phases:

- Access: Extend mainframe legacy applications to the Web
- Modernization: Change the legacy user interface into a modern Web user interface
- Integration: Fully integrate the mainframe legacy applications to the Web

This interactive presentation will consist of accessing, through the Web and through VIRTEL, three examples of legacy applications that have undergone the access, modernization, and integration phases.

Saturday 4:15 PM

R15 **z/VSE and MWLC Pricing**

Moderator: Gil Porter

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 5

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

Speaker: Dr Klaus Goebel, IBM

In 2007, IBM delivered z/VSE V4.1 and 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 Business Class (z9 BC) or z9 Enterprise Class (z9 EC) servers. MWLC software pricing offers excellent value for customers. Together, z/VSE V4.1 and MWLC 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

R14 CICS/TS Storage and Performance Tuning - Part 1

Moderator: Karl DeVore

Speaker: Eugene Hudders, C\Trek Corporation

The presentation covers performance areas for CICS/TS. The main objective is to discuss areas that can improve response time, reduce CPU and storage (real and virtual) requirements. VSAM LSR and NSR tuning are reviewed as these present a major tuning opportunity. Finally, important SIT parameters that can affect performance are also reviewed. Part 2 of this presentation will follow immediately in the next session at 5:30.

R13 Features in DB2 VM/VSE V7.5 and the road ahead

Moderator: Billy Bingham

Speaker: Jolly Dominic, IBM

IBM announced DB2 Server for VSE and VM version 7.5 in November 2007. This session discusses the features in this new release with a special focus on the how these enhancements improve performance for customers using DB2 LUW as their server platform and using the DB2 VSE Client Edition on VSE / VM platforms for their legacy applications to connect to DB2 on LUW over DRDA over TCP/IP. This session also includes future plans and enhancements for DB2 on VSE and VM.

R12 Linux on System z and System z Performance Update

Moderator: Jeff Barnard

Speaker: Thomas Weber, IBM

This presentation gives a short introduction into general aspects of System z hardware. It then focuses on performance data obtained with Linux on System z and zSeries measurements. The discussed results show the performance exploitation of IBM hardware, performance improvements in the Linux kernel, performance statements on current Linux distributions and performance experiences with software products.

Saturday 5:30 PM

R15 **Encryption 101; what is 'encryption' and why does it matter?** Moderator: Tony Thigpen

Speakers: Tony Thigpen, TEI and Jeff Barnard, BSI

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 6

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

It seems that the current buzz-word is 'encryption'. But what is involved with 'encryption'? This session will be a basic overview of encryption, encryption methods and fulfillment options. You will NOT need a math degree to attend.

R14 **CICS/TS Storage and Performance Tuning - Part 2** Moderator: Karl DeVore
Speaker: Eugene Hudders, C\Trek Corporation

This is part 2, of a two-part session that began at 4:15. See the Saturday 4:15 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.

R13 **z/VM Update** Moderator: Steven Southerland
Speaker: Alan Altmark, IBM

This session will provide you with the latest & greatest information about the newly-announced z/VM Version 5 Release 3. We will discuss support dates, the latest enhancements, and ideas for the future.

R12 **Linux Installation Planning** Moderator: Rich Smrcina
Speaker: Mark Post, Novell

As with a lot of tasks, installing a Linux system can be pretty easy, once you know what you're doing. Stubbing your toes on all the gotchas along the way can be very frustrating. In this session, we'll be talking about the things you need to know and consider before you get started, including:

- Deciding which architecture might be best for the applications you will be running
- Laying out the system structure
- Networking requirements for installation
- Preparing the installation media

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.

Sunday April 20, 2008

Attendee Registration

07:30 AM – 5:00 PM **Registration** **Room 10, Convention Center**

Sunday 7:00 AM

R12 **Prayer and Praise**

A special non-denominational celebration on Sunday morning.

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 7

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

Sunday 8:00 AM

R15 **z/VSE Version 4 Overview**
Speaker: Ingolf Salm, IBM

Moderator: Gil Porter

This session provides detailed information on z/VSE V4 and the recently previewed z/VSE V4.2. Besides Version 4 features you will get insight into key z/VSE functions and capabilities. You will learn how z/VSE exploits the newest IBM System z hardware and how z/VSE interacts with non-z/VSE servers. You will also get information on exploitation of devices (such as ECKD / SCSI attached disk and tape devices).

R14 **z/VSE Migration - User Experience**
Speaker: Mike Moore - Alabama Judicial Datacenter

Moderator: Tony Thigpen

Abstract: Mike will cover issues that his shop has had to handle while migrating to the newer z/VSE versions.

R16 **Web Enabling in the zSeries Environment**
Speaker: Chris Sims

Moderator: Chris Sims

Are you interested in web-enabling VSE and CICS applications and wondering what's available? Then this is the session for you. This session will outline several of the products available in the marketplace as well as from our attending vendors.

R17 **Linux on System z and System z Performance Hints and Tips** Moderator: Rich Smrcina
Speaker: Thomas Weber, IBM

This session is focused on tuning recommendations for Linux on System z. It covers recommendations on the Linux kernel, system setup, the gcc compiler, Java, efficient use of IBM hardware, including disk I/O, networking and cryptography, and Linux performance tools. It is based on frequently asked questions about Linux on System z performance.

Sunday 9:15 AM

R15 **SOA Roadmap and application integration with z/VSE**
Speaker: Wilhelm Mild, IBM

Moderator: Chris Sims

The ability to Integrate proven business logic across platforms has legitimate business value. There are various possibilities (such as CICS Transaction Gateway, web services, and MQ) to include z/VSE into the broader solution. Each alternative has its own capabilities - as well as its own pros and cons. SOA is a useful concept, but it is important to the various capabilities that exist with z/VSE and how to exploit them. .

R14 **TCPIP Update CSI**
Speaker: CSI Representative

Moderator: Steve Dunnivant

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 8

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

This session will address some of the many new features and functions now included with the new 1.5F release of TCP/IP for VSE.

R16 z/VSE Wellness and Service Strategies

Moderator: Gil Porter

Speaker: Carmen Span, IBM

This session covers the concepts of preventive and corrective service, and how you can make the best use of them to develop a preventive maintenance strategy which works for your shop. The FSU, RSL (Recommended Service Level), PSB-Bucket, etc.. concept will be covered in detail.

R17 NJE on Linux: Integrating Linux into the Mainframe Management World

Speaker: David Boyes, Sine Nomine Associates

Moderator: Jeff Barnard

Got a perfectly good system automation solution for your classic mainframe world, but need to bring Linux into the fold? Come look at why another decades-old technology has a new lease on life in integrating Linux into existing system automation, job management, and other operations management tasks and tools.

R13 CICS Tuning Has Never Been Easier!

C\Trek Corporation

Performance tuning is slowly becoming the "accidental profession" and usually only practiced when some type of problem occurs. There are many reasons given for the reduced activity in performance tuning some of which are: faster processors and I/O devices, availability of real storage, lack of personnel, "if it isn't broken, don't fix it", lack of knowledge etc. In many cases potential problems exist but are not attended until a major issue arises. CICS performance tuning can be a tedious and difficult job even when using traditional monitors because monitors assume that you know what to areas have to reviewed. In addition, traditional monitors assume that the system programmer knows all the formulas and thresholds. In many cases system programmers simply relegate the performance tuning to a secondary level until the situation becomes a problem. This is the value of a tool like C\TREK that is a performance and problem determination tool. C\TREK helps the user identify potential areas that need attention and in many cases provides a recommendation on what has to be done to fix the problem. Identifying potential tuning areas using C\TREK takes little time. In fact, many users have been able to review their most complex systems in less than an hour. This presentation presents the tool and its benefits which include recovering of wasted resources (CPU, virtual and real storage and I/O reduction) that have helped customers improve their response times as well as delay costly upgrades.

Sunday 10:30 AM

R15 Using SOA Web Services with z/VSE

Moderator: Chris Sims

Speakers: Wilhelm Mild, IBM and Ingo Franzki, IBM

z/VSE can participate in SOA environments and act as SOAP client and server. The z/VSE implementation of Web Services allows you to use existing CICS applications as Web Services. It also

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 9

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

allows you to call an external Web Service from a CICS application on z/VSE. This session illustrates the use of these z/VSE capabilities.

R14 Assembler Education 102

Moderator: Chris Sims

Speaker: Pete Clark, CPR Systems

Continuing what we started in Assembler Education 102 we will continue examining the basic use of the instructions and the way in which they work that allows for special unique functions. Specifically continuing the arithmetic instructions started in prior session.

R16 z/VM TCP/IP Configuration

Moderator: Steven Southerland

Speaker: 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 TCPIP 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.

R17 Using Hobbit to Monitor Networked Services

Moderator: Rich Smrcina

Speaker: Rich Smrcina, VM Assist, Inc.

Network based applications and servers are more and more prevalent in a modern business infrastructure. As these systems are required to run our mission critical applications it becomes even more critical that they are monitored to make sure that they are available and performing nominally.

This session will showcase the Hobbit Network Monitor and demonstrate how it can be used to monitor servers and services to verify that they are up and running, provide notification if they are down or running degraded and report on their history and service levels. It will also show how Hobbit is well integrated with System z operating systems.

R13 IBM Destination z

Speaker: Marc Smith, IBM

WAVV is a key part of the IBM System z mainframe community. IBM Destination z is a formalization of this community intended to show off the vitality of the mainframe through its membership which includes user groups, IBM Business Partners and Academia who help to nourish the ecosystem with skills, products, services, wisdom and humor. Come to this session to hear more about the IBM Destination z program including a rundown on current membership, enrollment criteria and community benefits. Come and learn how we are working to support you on your journey to "Destination z".

R12 Virtual Tape and Tape-Free Recovery for VSE Systems

Speakers: John Sawyer, SecureAgent Software
Billy Bingham, St. John Medical Center

[R11 – Meeting Room 11](#)

[R12 – Meeting Room 12](#)

[R13 – Meeting Room 13](#)

WAVV 2008

[R14 – Meeting Room 14](#)

[R15 – Meeting Room 15](#)

[R16 – Meeting Room 16](#)

Page 10

[R17 – Meeting Room 17](#)

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

The Secure Data Solution is an integrated backup/off-site archiving solution. It provides storage managers the ability to do a local, tape-free backup, and subsequently moves the backup images to a remote location where they can be archived or used for remote recovery. The Solution supports VSE, VM, MVS and TPF as well as AS/400, UNIX, LINUX and Windows.

This session will provide an overview of how the Secure Data Solution is used to back up, archive, and recover VSE data and systems for St. John Medical Center. Learn how this customer implemented the Secure Data Solution into their environment to support VSE and Dynam[®]/T, and how they significantly reduced their backup windows. The session will also provide a glimpse of how they plan to integrate the Secure Data Solution into their day-to-day operations.

You'll also see how the Secure Data Solution can enhance Disaster Recovery plans within your organization. The solution is designed to support remote recovery at Sungard, IBM BCRS, or an alternate DR facility.

SecureAgent Software also provides a line of encrypted system connectivity tools for remote mainframe and midrange system consoles, and a suite of console consolidation and automation tools.

Sunday 11:45 AM

R15 Connector Update: mechanisms to access data and logic on your z/VSE system

Speaker: Wilhelm Mild, IBM

Moderator: Steve Dunnivant

Do you know the various capabilities z/VSE gives you to modernize your environment?

Do you know you can access your VSE VSAM data with built-in z/VSE functionality?

Do you know you can access your POWER queues from your workstation, then analyze listings using PC tools?

Do you know you can store changes in a VSAM file - fully automatic in a database - without changes to z/VSE applications?

Do you know you can use existing COBOL, PL/I applications as Web Services from any platform environment?

Do you know you can use Tivoli's TSM to Backup and Archive z/VSE data?

Whether you need to access z/VSE data, access z/VSE applications, or integrate existing business logic into Portal solutions, this session shows you the concepts.

R14 CICS/TS – A Voice from Hursley

Speaker: Phil Hanson, IBM

Moderator: Karl DeVore

Phil Hanson from the IBM CICS Hursley lab will talk about the commitment of support from the CICS development lab, and the future role of CICS/TS in the z/VSE environment. He will discuss the labs development plans in evolving the capabilities of CICS/TS for z/VSE.

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R16 **A Beginner's Guide to Measuring and Understanding z/VM Guest Performance**

Speaker: Jon vonWolfersdorf, IBM

Moderator: Steven Southerland

Whether performance is good or bad, it is important that installations running Linux under z/VM understand the key factors that influence the performance of guests on a z/VM System. This presentation will look at the key resources (storage, processor and I/O) and illustrate, using the Performance Toolkit

R17 **Analyzing and Tuning Linux Storage in a z/VM environment**

Speaker: Barton Robinson, Velocity Software

Moderator: Jeff Barnard

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.

R13 **“See What You’ve Been Missing in TCP/IP (and FREE software!)”**

illustro

New product development is alive and well at illustro! At this session, illustro will provide a live demonstration of z/IPMon – the only comprehensive TCP/IP performance and problem monitor for VSE TCP/IP sessions.

For years you’ve depended on TCP/IP as the backbone of your communications for VSE, and as important as it has been, you’ve been willing to try almost *anything* to keep it up and running. But now with z/IPMon, you can look inside your TCP/IP systems, look back at archived performance data, get a detailed packet trace—even create alerts to proactively announce when something is happening.

z/IPMon also represents a new generation of software developers collaborating with seasoned veterans to deliver the latest in interface technology. Come see the “Gray Hair” and the “Under 30” developers as they demonstrate the product.

For attendees of these sessions only, your name will be entered into a drawing for a FREE license for the new product---how’s that for extra value? Attend a session and go home with free, valuable software for your VSE system!

Hyperbole aside, we’ve never been more excited. And we think you’ll agree. Come join us!

R12 CSI

Sunday 12:45 PM

Lunch in Vendor Room

Sunday 3:00 PM

R15 **VSAM Internals and how it really is Part 1**

Moderator: Ken Meyer

Speaker: John Mycroft, CSI International

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 12

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

A look at what goes on under the covers of VSAM. What is in a CI and a CA? What happens during a CI or CA split? What are the perfect values for primary & secondary allocation, CI & CA freespace (Hint: there's no such thing - we'll look at how to decide what to use for a given dataset). When should I reorg a dataset and when shouldn't I? Tuning parameters for batch and online. Saving time and space in setting up and loading your VSAM files. Some performance traps and how to avoid them.

R14 **BSI TCPIP Update** Moderator: Steve Dunnivant
Speaker: Jeffrey Barnard

Jeff Barnard will discuss the latest updates to TCP/IP-TOOLS.

R16 **z/VM CMM** Moderator: Steven Southerland
Speaker Bill Bitner, IBM

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) involves additional support in the VM Resource Manager (VMRM) to approach the problem in a quantitative approach. The second, Collaborative Memory Management Assist (CMMA) involves changes in z/VM and Linux to exploit hardware features to share qualitative information about memory usage. The presentation will review performance results of both approaches along with results of applying both.

R17 **Linux under z/VM Performance Analysis Case Studies** Moderator: Rich Smrcina
Speaker: Barton Robinson, Velocity Software

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

R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 1**
Speakers: Richard Lewis, IBM 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 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 and is being held in Meeting Room 11.

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 13

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R13 “See What You’ve Been Missing in TCP/IP (and FREE software!)”

illustro

New product development is alive and well at illustro! At this session, illustro will provide a live demonstration of z/IPMon – the only comprehensive TCP/IP performance and problem monitor for VSE TCP/IP sessions.

For years you’ve depended on TCP/IP as the backbone of your communications for VSE, and as important as it has been, you’ve been willing to try almost *anything* to keep it up and running. But now with z/IPMon, you can look inside your TCP/IP systems, look back at archived performance data, get a detailed packet trace—even create alerts to proactively announce when something is happening.

z/IPMon also represents a new generation of software developers collaborating with seasoned veterans to deliver the latest in interface technology. Come see the “Gray Hair” and the “Under 30” developers as they demonstrate the product.

For attendees of these sessions only, your name will be entered into a drawing for a FREE license for the new product---how’s that for extra value? Attend a session and go home with free, valuable software for your VSE system!

Hyperbole aside, we’ve never been more excited. And we think you’ll agree. Come join us!

R12 Implementation of Encryption Facility for VSE

LRS

An overview of the Encryption Facility for VSE to implement data protection for archiving, data exchange and backup. Discuss what it provides and prerequisites for using Encryption . Discuss setup at LRS and provide sample jobs used to test encryption. Overview of Keyman/VSE Tool and VSE.

Sunday 4:15 PM

R15 An Integrated Development Environment for z/VSE

Moderator: Steve Dunnivant

Speaker: Wilhelm Mild, IBM

Various options and capabilities are shown in this session. The most exciting is based on Open Source 'Eclipse' technology. IBM tools support development of COBOL and PL/I applications for z/VSE. For example, visualization of program path and analysis of business logic helps optimize your z/VSE applications. The common Eclipse environment and tool set can be used to develop Java-based web applications as well. Potential benefits of common Eclipse technology include added productivity for development/maintenance of new or existing z/VSE applications, a common environment and tool set for a wide range of platforms (including Java and WebSphere on Linux) facilitates cross-training and communications, and an environment that is already familiar to recent graduates. Accommodating the needs and preferences of recent graduates may help increase the pool of potential new resources to supplement or replace existing mainframe skills.

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 14

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

- R14 **CICS/TS Problem Determination – Insights from CICS Level 2 Support Part 1**
Speaker: Bob Sodan, IBM Moderator: Ken Ripple

Did you know that CICS and VSE have developed a new documentation submission process? Do you know what the most common problems CICS/TS and CICS/VSE customers are experiencing at the current time? Would you like to learn more about the various debugging techniques used to solve problems? Bob Sodan of the IBM CICS Support Center will be providing all the details about the documentation submission process. The debugging topics will include storage violations, abends, CICS waits, and hangs. This presentation will provide a lot of opportunity to discuss real customer problems and what can be done to get them resolved. Come out and meet Bob, and learn how things are done from a CICS Level 2 support perspective. Part 2 of this presentation will follow immediately in the next session at 5:30.

- R16 **z/VM Performance Update** Moderator: Steven Southerland
Speaker: Bill Bitner, IBM

The newest release of z/VM was generally available on June 29, 2007 and 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.

- R17 **Linux System Management for the Mainframe Systems Programmer – Part 1**
Speaker: Mark Post, Novell Moderator: Rich Smrcina

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.

- R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 2**
Speakers: Richard Lewis, IBM and Jon vonWolfersdorf, IBM

This is a continuation of Part 1.

- R13 **What is ITAM and what can it do for you?**
BSI

Jeffrey Barnard of BSI will discuss the basics of using the ITAM facility. ITAM allows direct TN3270(E) access to VTAM applications bypassing VTAM. Now you can talk directly to CICS/VSE, CICS TS and other applications bypassing VTAM.

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R12 **Select One Entrée Please!**

CSI

Modernizing legacy applications can be a very difficult and expensive proposition. It usually involves multiple vendors and consultants and years of planning before the project ultimately fails. It doesn't have to be that way! With Entrée from CSI International, you can easily "update" legacy 3270 CICS transactions or create new web-enabled applications, with minimal effort. Entrée allows your staff to use the tools they are already familiar with like DreamWeaver and Flash to open your applications up to a much wider audience and increased end-user productivity. Don't be late...a limited number of Entrees will be served for free taste tests!

Sunday 5:30 PM

R15 **Workshop: Live demonstration of an IDE for z/VSE**

Moderator: Steve Dunnivant

Speakers: Wilhelm Mild, IBM and Ingo Franzki, IBM

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

R14 **CICS/TS Problem Determination – Insights from CICS Level 2 Support Part 2**

Speaker: Bob Sodan, IBM

Moderator: Ken Ripple

This is part 2, of a two-part session that began at 4:15. See the Sunday 4:15 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 Bob has a wealth of information to share.

R16 **Securing Linux with RACF/VM**

Moderator: Steven Southerland

Speaker: 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.

R17 **Linux System Management for the Mainframe Systems Programmer – Part 2**

Speaker: Mark Post, Novell

Moderator: Rich Smrcina

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.

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 16

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 3**

Speakers: Richard Lewis, IBM and Jon vonWolfersdorf, IBM

This is a continuation of Part 2.

R13 **BSI Meet and Greet**

Talk to the developers. Round table discussions. Answers to questions. And best of all ... Prizes!

R12 **HostBridge: SOA-enable VSE CICS applications**

This session overviews HostBridge, mainframe software to SOA-enable CICS transactions, batch programs, and data. HostBridge automatically generates XML from CICS applications without modifying the mainframe application and with NO screen scraping. HostBridge can transform existing business systems into Web Services, integrate them with new business processes, or make them easily accessible to your business partners.

The session will cover:

- Accessing CICS transactions using HostBridge
- HostBridge transaction automation to SOA-enable CICS applications, batch programs, and VSAM data

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 April 21, 2008

Attendee Registration

07:30 AM – 5:00 PM

Registration

Room 10, Convention Center

Monday 8:00 AM

R15 **z/VSE Security Part 1**

Speaker, Ingo Franzki, IBM

Moderator: Steve Dunnivant

This session provides an introduction to the 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 enhancements such as new auditing features.

R14 **"EZA programming 201 - writing an FTP client in COBOL"** Moderator: Tony Thigpen

Speaker: Tony Thigpen, Thigpen Enterprise

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 17

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

Your CICS program needs data found on another server and you can't wait for a batch file transfer. Why not use your TCP programming skills and retrieve the data using FTP protocols? This session will introduce a sample COBOL FTP client program that can be used with a simple EXEC CICS LINK. The FTP protocol will be explained so that you can take the example and either 'borrow' the code or expand it to your specific needs.

R16 **z/VM Simplified Network Configuration**

Moderator: Steven Southerland

Speaker: Miguel Delapaz, IBM

In this session we will cover two tools designed to make configuring z/VM TCP/IP easier. The IPWIZARD function that allows you to quickly and easily perform the base configuration as you initially try and get TCP/IP running. The IFCONFIG command allows you to quickly and easily add new connections to your running TCP/IP stack. These functions mean that you can get up and running quickly without have 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.

R17 **VSAM Exploitation**

Moderator: Ken Meyer

Speaker: Stev Glodowski, IBM

This presentation will show ways to identify free and unused Space for XXL files, performance trade-offs, the right time to reorganize an AIX, and everything that is new or has changed in VSAM since the last WAVV. This session will also include a preview of interesting new features coming with VSAM in z/VSE V4.2

R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 1**

Speakers: Richard Lewis, IBM 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 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 and is being held in Meeting Room 11.

[R11 – Meeting Room 11](#)

[R12 – Meeting Room 12](#)

[R13 – Meeting Room 13](#)

WAVV 2008

[R14 – Meeting Room 14](#)

[R15 – Meeting Room 15](#)

[R16 – Meeting Room 16](#)

Page 18

[R17 – Meeting Room 17](#)

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

Monday 9:15 AM

R15 **z/VSE Security Part 2**

Speaker: Ingo Franzki, IBM

Moderator: Steve Dunnavant

This session will show how VSE security features like Encryption Facility and SSL (Secure Socket Layer) can be exploited. 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 new TS1120 tape drive that provides drive based data encryption.

R14 **Connectivity between DB2 VM/VSE Clients to DB2 LUW servers**

Speaker: Jolly Dominic, IBM

Moderator: Billy Bingham

Migrating data from DB2 on VSE/VM Servers to DB2 on Linux on System z is a growing trend among VSE customers with the new DB2 VSE VM Client Edition being available for a lesser license fee. While this switch of server platform offers customers with a plethora of server options, customers are often encountered with a subset of SQLs in their applications and client options that do not work AS IS with the new DB2 LUW server. This session captures and consolidates these differences and discusses alternative solution to such problems.

R16 **Migrating to the z/VM Virtual Switch**

Speaker: Alan Altmark, IBM

Moderator: Steven Southerland

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 yourself and your network administrators.

R17 **Porting OpenSolaris to zSeries: A Long Way Home**

Speaker: David Boyes, Sine Nomine Associates

Moderator: Rich Smrcina

What was involved in getting Solaris running on zSeries? What does it take to make a new operating system available on zSeries? Come hear about the adventures in coding involved in bringing another popular OS to the zSeries platform.

R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 2**

Speakers: Richard Lewis, IBM and Jon vonWolfersdorf, IBM

This is a continuation of Part 1.

R13 **Career Day**

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 19

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R12 “De-Duplication: Eliminate Tape and Improve Reliability for Backup and Disaster Recovery!”

Speaker: Scott James, Director, Business Development, Luminex

Learn how mainframe customers have eliminated physical tape for backup and recovery while dramatically improving reliability and access to backup data utilizing Luminex’s Channel Gateway and Data Domain’s De-Duplication Appliance. 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 and reliable tapeless backup and cost-effective 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.

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.

Monday 10:30 AM

R15 **VSAM Internals and how it really is Part 2**

Moderator: Ken Meyer

Speaker: John Mycroft, CSI International

The abstract for Part 2 is the same as the above with the addition of "Continuing where Sunday's session left off but, if you missed Sunday's session, come along anyway."

R14 **How Safe? Security, Audit and the Insider Threat**

Moderator: James Moore

Speaker: Eric Vaughan, illustro Systems

CxOs bound for prison due to negligence in managing information? Companies wiping out profits because of carelessness, or wanton disregard for keeping the data that they hold safe? CIOs losing sleep because they have to write letters to customers about “possible breach of security”? Welcome to the 2000s!

This session will focus on the growing burden of responsibility placed in IT professional’s hands to keep up with the security, audit and regulatory compliance issues governing the management of information. We’ll take a look at key components of a secure and audit-capable mainframe environment, and review the enormous risk of “insider threat” and what can be done to rein that it. This session will be invaluable for all who are tasked to keep information safe, and in compliance with regulations including Sarbanes-Oxley, GLBA, Basel2, PCI-DSS, HIPAA and others.

R16 **Using z/VM in a SCSI Environment**

Moderator: Steven Southerland

Speaker: Eric Farman, IBM

This session will provide an overview of the z/VM new native support for SCSI disks and how it can be used to install, IPL, and run your z/VM system in a SCSI-only environment. z/VM supports SCSI FCP

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 20

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

disk logical units (SCSI disks) for both system and guest use. Attend this presentation to hear the latest about z/VM SCSI support, including N Port ID Virtualization on the IBM System z9 and the recently announced IBM SAN Volume Controller (SVC) support.

- R17 **Linux on System z - Problem Reporting and Analysis** Moderator: Jeff Barnard
Speaker: Michael Holzheu, 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.

- R11 **LAB: Linux on System z Installation Hands-On-Lab – Part 3**
Speakers: Richard Lewis, IBM and Jon vonWolfersdorf, IBM

This is a continuation of Part 2.

- R13 **IBM: BOF – Building Mainframe Skills**
Speakers: Panel

As always, BOF sessions are for you. This session is open to anything you'd like to discuss. However, in this BOF we'd like to focus on mainframe skills. How does your company find/train the mainframe staff it needs? Today's Baby Boomers are at the peak of their expertise. However, in the long term demographics rule. Eventually a new generation of mainframe folks must take over. Does your company have a plan? Why not share your thoughts with others?

- R12 **FLEX-ES Systems: Where do we go from here?**
Speaker: Len Diegel and Mike Hammock, Cornerstone Systems, Inc

This will be an open discussion on the current FLEX-ES situation and alternatives for FLEX users who must move to other systems or platforms.

We will discuss options that make sense and provide examples of what others are doing to cope. We hope to have former FLEX-ES users available to discuss their experience migrating to other platforms. We will also discuss considerations like cost, performance, functionality, and other factors users encounter when migrating from FLEX-ES to zSeries.

All current and former FLEX-ES users are welcome to attend and share their experiences.

Monday 11:45 AM

- R15 **Mainframe Resiliency** Moderator: Steve Dunnivant
Speaker: Wilhelm Mild, IBM

z/VSE and z/VM capabilities, in combination with functions in IBM System z and Systems Storage products, increase your flexibility for cloning, continuous operations, data recovery, and disaster

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 21

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

recovery situations. This session shows some of the options you have to exploit these concepts to deliver superior business resiliency.

R14 **CICS User Experience and CICS Free-for-all**
Open Forum

Moderator: Karl DeVore

BSM – Basic Security Manager. It should be simple right? Are you frustrated, confused and find yourself re-reading the documentation over and over again? We'll start by attempting to identify some of the stumbling blocks with a BSM implementation and will seek answers from a panel of users. With time permitting, we'll then shift gears and enter into our 4th annual CICS Free-for-all. Got a question - or - performance suggestion? Jot it down or share it with the group.

R16 **Consolidation- IBM Director-Lets get started and become an expert**

Speaker: Kevin Curley, IBM

Moderator: Pam Lovely

IBM Director runs on Linux for System z and delivers a broad set of system management base functions which enable you to get a sound overview about the distributed IT environment surrounding your z/VSE system. Functions like discovery, inventory information, monitoring and event management deliver basic understanding about the usage of IT resources and can help to identify consolidation candidates. In addition, IBM Director provides an extension called 'z/VM Center' which supports consolidation implementation with a standardized way to rapidly deploy new z/VM Linux systems. Your administration interface is the easy to use Director Console which you also can run on Linux for System z.

R17 **A z/VM and Linux DR Cookbook: One Guy's Path from Bare Metal to Running System - Part 1**

Speaker: David Boyes, Sine Nomine Associates

Moderator: Rich Smrcina

Preparing for a Disaster

Overall approach to DR

Preparing a 1 pack recovery system

Handy tools to augment DR management.

SPXTAPE and friends

Dumping other volumes into a manageable package.

Cranky observations on DR in general

R13 **VSE2PDF User Experiences Panel**

Speaker: User Panel

Are you getting the full benefit from VSE2PDF? Do you need a product to send VSE reports to users and don't know if VSE2PDF will provide what you need? These and other questions from the audience will be answered by a panel of experienced VSE2PDF users. As always, great questions will be rewarded.

R12 **Data 21, Inc. (ZIP/VSE v5.x)**

R11 – Meeting Room 11

R12 – Meeting Room 12

R13 – Meeting Room 13

WAVV 2008

R14 – Meeting Room 14

R15 – Meeting Room 15

R16 – Meeting Room 16

Page 22

R17 – Meeting Room 17

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

z/VSE - Features and enhancements in Data Compression, Encryption, and High-Performance Secure Data Transfer. [ZIP/UNZIP, PGP/UNPGP, AES Strong Encryption, FTP, EMAIL, Data Conversion (Adobe PDF, .CSV).]

Monday 12:45 PM

Lunch in Vendor Room

Monday 3:00 PM

R15 **z/VSE Internals**

Speaker: Ingolf Salm, IBM

Moderator: Tony Thigpen

This presentations provides insight into the internals of key z/VSE components, such as the z/VSE Supervisor. Ingolf will discuss the z/VSE design of the dispatcher, capacity measurement tool, tape encryption, and more.

R14 **Changes in VSAM Redirector technology**

Speaker: Wilhelm Mild, IBM

Moderator: Steve Dunnivant

The VSAM Redirector began as an integrated function for data propagation. It has evolved to a more flexible technology that supports VSAM-to-relational data synchronization, and incremental processing. This session will highlight practical possibilities to replace FTP, normalize your VSAM data in multiple tables on a database, populate a Data Warehouse (in real time), and more.

R16 **Using New CP Features in z/VM5.3**

Speaker: Romney White, IBM

Moderator: Steven Southerland

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.

R17 **A z/VM and Linux DR Cookbook: One Guy's Path from Bare Metal to Running System - Part 2**

Speaker: David Boyes, Sine Nomine Associates

Moderator: Jeff Barnard

Out of the Fire and Back to Cooking with Gas

Restoring the 1 pack system

Parallel restore process

Tape label management in raw CMS.

Linux specific DR

Why DDR isn't your friend for Linux DR

Possible solutions

R13 **The Mainframe Data Access & Replication Conundrum in Today's Heterogenous IT Environment**

Speaker: Treehouse Software

[R11 – Meeting Room 11](#)

[R12 – Meeting Room 12](#)

[R13 – Meeting Room 13](#)

WAVV 2008

[R14 – Meeting Room 14](#)

[R15 – Meeting Room 15](#)

[R16 – Meeting Room 16](#)

Page 23

[R17 – Meeting Room 17](#)

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

tcACCESS & tcVISION: Treehouse Software's flexible, comprehensive and cost-effective data integration and replication solutions for the VSE environment enable organizations to respond to the difficult challenges of corporate mergers, acquired applications and maximizing the value of the mainframe through robust data sharing and automatic replication. Learn how to make critical data available to all your applications across all your IT platforms. Live demonstrations of the tcACCESS and tcVISION products will be included.

R12 **LRS – Output Management for VSE Applications**

Presenters: Cindy Holeva, LRS Marketing Representative, Tom Woods, LRS Systems Engineer

The VPSX solution provides guaranteed delivery of business-critical application output. This robust, scalable print server leverages industry standards for document encryption, network device management and application integration. Add in the power of a document archiving system PageCenterX, and now you have a web-based document access, storage, and management system like no other. Don't settle for the basic local and SNA printing built into VSE or offloading your print to yet another hardware/software platform - See what VPSX can do for you!

Monday 4:15 PM

R15 **VSE Tuning and Performance Methodology Part 1**

Moderator: Ken Meyer

Speakers: Pete Clark, CPR Systems

John Mycroft, CSI

Ken Meyer, CSI

Speakers, Pete Clark of CPR Systems , John Mycroft and Ken Meyer of CSI will individually share with audience their unique perspective on tuning methodology as it applies to VSE. Since the three guest speakers come from differing VSE backgrounds and experiences, this session will probably raise as many questions as it does answers. Additionally attendees will be treated to a lively discussion among the presenters and the audience as differing opinions will certainly be an integral part of these 2 sessions.

3 very experienced people share their ideas about methodology -- sometimes we'll be pointing out low hanging fruit for you to pick -- sometimes we'll be showing you how to identify where your system bottleneck might be right now -- and other times we'll just tell you to change things after you make some measurements.

Back to Back Lively VSE discussion how can one top that?

R14 **Connector Workshop: Setup access to z/VSE data and subsystems.**

Speakers: Wilhelm Mild, IBM and Ingo Franzki, IBM

Moderator: Steve Dunnivant

Do you know how to exploit built-in z/VSE connector functionality? What about security and encrypted data access? This session walks you through the setup steps to illustrate how easy it is to use these powerful and flexible connector functions.

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

- R16 **VM Parallel Access Volume (PAV) and HyperPAV Support** Moderator: Steven Southerland
Speaker: Eric Farman, IBM

This presentation covers details of the PAV minidisk support delivered on z/VM 5.2.0 via APAR VM63952. APAR VM63952 provides Parallel Access Volumes (PAVs) as minidisks for guest operating systems, such as z/OS, that exploit the PAV architecture. The APAR also provides the potential benefit of PAVs for I/O issued to minidisks owned or shared by guests that do not support exploitation of PAVs, such as CMS.

In addition, this presentation covers details of the VM HyperPAV support for the IBM System Storage DS8000 series announced for z/VM 5.3.0. The HyperPAV function potentially reduces the number of alias device addresses needed for parallel I/O operations since HyperPAVs are dynamically bound to a base device on each I/O operation instead of statically like with basic PAVs. z/VM 5.3.0 provides support of HyperPAV volumes as linkable minidisks for guest operating systems that exploit the HyperPAV architecture. z/VM 5.3.0 is also designed to transparently provide the potential benefits of HyperPAV volumes for minidisks owned or shared by guests that do not specifically exploit HyperPAVs.

- R17 **OpenKicks: The CICS API on Linux** Moderator: Jeff Barnard
Speaker: Michael Potter, Replatform Technologies, LLC

This is the first peek at the soon to be released CICS emulation environment for Linux, UNIX, and Windows.

Built to be friendly to mainframe programmers and UNIX system administrators, OpenKicks takes a fresh look at emulating CICS on UNIX.

Four concepts set OpenKicks apart from other emulation environments:

- o Available source code to allow onsite customization/extension.
- o Built on a database for trusted data integrity.
- o Good support vendor support to avoid compiler and database "lockin".
- o Backward compatible to allow painless porting back to the mainframe.

Monday 5:30 PM

- R15 **VSE Tuning and Performance Methodology Part 2** Moderator: Ken Meyer
Speakers: Pete Clark, CPR Systems
John Mycroft, CSI
Ken Meyer, CSI

This is part two of a two-part session. The first part began at 4:15. See the abstract there for details.

- R14 **Connector Workshop: Exploit SOA using z/VSE web services** Moderator: Steve Dunnivant
Speakers: Wilhelm Mild, IBM and Ingo Franzki, IBM

R11 – Meeting Room 11
R14 – Meeting Room 14
R17 – Meeting Room 17

R12 – Meeting Room 12
R15 – Meeting Room 15

R13 – Meeting Room 13
R16 – Meeting Room 16

WAVV 2008
Page 25

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

This session shows how existing 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.

R16 Lets install the HMC workplace z/VM integrated systems management

Speaker: Romney White, IBM

Moderator: Pam Lovely

The System z Hardware Management Console provides a graphical user interface to managing System z hardware, firmware, and software resources. With the System z9, the HMC provided a basic set of systems management functions for the virtual machines in z/VM logical partitions, This session will describe the support and explain its implementation.

R17 Configuring Linux on z/VM for Performance

Speaker: Barton Robinson, Velocity Software

Moderator: Jeff Barnard

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.

Marriott Plaza A, B, & C

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 April 22, 2008

Tuesday 8:00 AM

R15 z/VSE Tools

Moderator: Tony Thigpen

Speaker: Ingo Franzki, IBM

The z/VSE web site offers more than 20 tools ('as is', at no additional charge) for download. The 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 that are currently available on the VSE homepage. For every tool, a short description and usage scenarios will be discussed.

R14 **REXX for CICS**

Moderator: Ken Ripple

Speaker: Rich Smrcina, VM Assist

[R11 – Meeting Room 11](#)

[R12 – Meeting Room 12](#)

[R13 – Meeting Room 13](#)

WAVV 2008

[R14 – Meeting Room 14](#)

[R15 – Meeting Room 15](#)

[R16 – Meeting Room 16](#)

Page 26

[R17 – Meeting Room 17](#)

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

REXX for CICS is a great way to quickly create CICS applications. It can also be used to prototype new applications. This session will show how to configure REXX for CICS, how to use the REXX File System, how to write applications using the EXEC CICS interface, and how to create full screen applications with the panel facility.

- R13 **z/VM System and Performance Management** Moderator: Steven Southerland
Speaker: Tracy Dean, IBM

Integrating IBM's Solutions IBM offers several solutions that touch on systems and performance management of z/VM systems, including their z/VSE and 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.

- R12 **Performance Improvement on DB2 Server for VSE/VM version 7.5** Moderator: Billy Bingham
Speaker: Jolly Dominic, IBM

This session presents the recent performance enhancements with a special focus on the usage and enablement of these performance features to leverage them for customer specific applications.

Tuesday 9:15 AM

- R15 **Multi Instant Logic Analyser4VSAM** Moderator: Gil Porter
Speaker: Stev Glodowski, IBM

Learn how to find potential threats like invalid extents, defective space-maps or index structures. Check on capacity issues and limitations before running into them. All of those topics will be covered in this presentation using the "Multi Instant Logic Analyser4VSAM" including new features like POWER JECL customization, LINUX support and enhanced index analysis.

- R14 **LE 101** Moderator: Chris Sims
Speaker: Martin Trubner

What is Language Environment aka LE? Where did it come from? What does it do for your applications? This session will introduce you to some terms and concepts that you may not have been exposed to before.

- R13 **z/VM Tape hardware - Encryption** Moderator: Steven Southerland
Speaker: 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.

WAVV Agenda

Chattanooga TN

April 18 – April 22, 2008

R12 **Now that I have Linux what do I do with my JCL/JECL** Moderator: Rich Smrcina
Speaker: Michael Potter, Replatform Technologies, LLC

Migrating applications from z/OS and z/VSE to Linux on System z and other UNIX like platforms involves many challenges. One of the challenges is what to do with the JCL.

JCL acts like the glue that binds the other tools together:

- * Invoking batch programs
- * Invoking DFSORT and other tools for sorting and manipulating sequential/ESDS files
- * Pausing for operator input
- * Creating, renaming, and deleting files
- * Setting variables (DLBL) to allow varying filenames without changing batch programs
- * Printing bash scripting acts in the same role on UNIX like systems.

This presentation will cover bash options which must be used to ensure reliable scripts, basic bash syntax and the common elements of JCL and how those elements are converted to bash functions such as:

- * Invoking a batch program (including specification of UPSI)
- * Invoking tools to replace DFSORT
- * Accepting input from the operator
- * Using UNIX utilities to create, rename, and delete files
- * Using bash environment variables as a replacement for DLBLs
- * Converting batch program print output to postscript and *.pdf files

Tuesday 10:30 AM

R15 **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

R15 **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.

Sponsors

WAVV 2008 Badges Compliments of:

illustro Systems

WAVV 2008 Pins Compliments of:

Barnard Software

WAVV 2008 Internet Compliments of:

Barnard Software, Inc

C\Trek

Cornerstone Systems

CPR Systems

IBM

Levi, Ray & Shoup, Inc.

Luminex Software, Inc.

Velocity Software

WAVV 2008 Printing Compliments of:

ADI / Honeywell Security Solutions

Please support our Vendors
At the show and at home

Barnard Software, Inc.

C\Trek

Convetek, Inc.

Cornerstone Systems, Inc.

CSI International

Data 21, Inc.

Hostbridge Technology

IBM

illustro Systems International

Levi, Ray & Shoup, Inc.

Luminex Software, Inc.

Phoenix Software International

Secure Agent Software

Thigpen Enterprises, Inc.

Treehouse Software

Velocity Software

VIASERV

z/Journal

From WAVV to the Sponsors and Vendors:

A very special Thanks