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| Velocity Software | We recently moved our data center from a BC12 in California to a brand new z15 T02 in Ohio. It was done seamlessly and our website down time was not even noticed. Part of the project was to understand how long it would take us to have the box up and running from when IBM delivered the z15 to us. In a 4 system SSI cluster we installed, z/VM, our Velocity products, RACF and had a full private cloud implemented in just 2 days! We then cloned 155 servers in 20 minutes. Who says this is hard? | Barton Robinson |
| Barnard Software | Jeff Barnard of BSI will discuss the latest updates and features of the BSI products. | Jeff Barnard |
| vChain | Immudb - lightweight, high-speed, immutable database solution by vChain | Moshe Bar |
| Vicom Infinity | Vicom Infinity has been an IBM Z Business Partner since the mid 1990's. Due to its unique total-solutions approach, Vicom Infinity is able to host panels such as this one today that includes a brand new LinuxONE mainframe client running Red Hat OpenShift on z/VM, two ISVs new to Linux on z/VM, and a new secure voice assistant now available for the mainframe that exploits powerful Hyper Protect Virtual Services on Linux on IBM Z. We hope you enjoy the panel. | Len Santalucia |
| CSI International | John and Don will demonstrate the next big opportunity for the Z world: Network Folding & Security | Don Stoever, John Rankin |
| Sine Nomine Associates | | Kurt Acker |
| Broadcom | Within the VM community, we're not immune to change, especially within today's tumultuous world. You need the tools for empowerment, tools that will satisfy the demands of stricter authentication guidelines, and tools to fulfil more rigid audits. The focus of our VM initiatives have been to meet these demands, especially in the case of Multifactor Authentication, that will help strengthen your security, and eliminate threats within the VM platform. We'll share various product improvements to illustrate how we are helping in the areas of security and automation, as well as, providing a live demo on Multifactor Authentication. | Jay Zelnick |
| Optica Technologies | Optica zVT: The Optimal Virtual Tape System for z/VM and z/VSE Environments. Learn how the granular and modular approach of the zVT Virtual Tape System delivers flexibility and affordability for z/VM and z/VSE users. We will share use cases and demonstrate the full integration and interoperability of zVT with all of the top z/VSE tape management systems. | Sean Seitz/Serge Rioux |
| Configuring SSL a User Experience | There have been MANY presentations over the years at SHARE, at the VM Workshop and at User Groups about how to setup SSL servers including the ultimate authority Chapter 16. of the TCP/IP Planning & Customization manual. Attend this session for an overview of z/VM's SSL, material 'Borrowed'☐ from other presentations, my discussions with friends from Endicott (I hope they still are), material posted on the IBMVM list. And find out who was finally able to help me. Most Important though is HOW-TO create a certificate request AND send it to your company'☐s Security team to sign and HOW-TO find your company'☐s Trusted Primary and Intermediate Certificates. | The Earl of Tabasco |

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| zPRO V4 - High Octane On-prem Private Cloud for Linux on Z | There are three big problems we are all facing: management decisions to move everything to "the cloud" and off Z, finding people with z/VM skills to keep existing Linux farms going, and very few (one!) reliable and easy products to manage your Z cloud. zPRO Version 4 is ready to help solve these problems and more. In this session hear stories about actual customers utilizing zPRO for their cloud that not only freed up precious time, but also helped Linux on z/VM flourish. zPRO from Velocity Software has been developed by, and for system admins and end- users alike to enable them to build and manage Linux on Z servers quickly and easily. You will hear how fast you can install and set up zPRO and how it can be used on any z/VM system, with or without a directory or security manager and how you can "plug it in" to other virtual server management systems with our RESTful APIs. Plus, with zPRO Version 4, you only need to be logged on to one system to manage ALL your enterprise z/VM systems running Linux servers. | James Vincent |
| Monitoring z/VSE with zVPS | With the introduction of SNMP for z/VSE some time ago, Velocity Software has been able to monitor z/VSE systems with our performance suite that runs on z/VM. We are improving and enhancing that capability to add TCP/IP monitoring and CICS monitoring. Come to this session to hear what we are doing and to see our live systems via a demo. You will also be able to follow along either in the session or post-workshop to show interested parties in your company. | Rich Smrcina |
| IBM LinuxONE Hardware and Technology Update | IBM continues to churn out new hardware products and technologies and capabilities supporting the evolution of Linux in the "enterprise" space. This talk will start with the latest "Z core", and from there build and overview the technology stack and latest capabilities instilled therein to run Linux-based systems in differentiated fashion for security and scale and resilience required by "enterprise" users. | Monte Bauman |
| Customer Experiences Managing z/VM and Linux | Whether implementing cloud or supporting server consolidation projects, customers are implementing mission critical applications on Linux on IBM Z and LinuxONE. In this session, the speaker will focus on real customer problems and associated solutions with managing this new infrastructure, including monitoring messages, monitoring spool space, sending alerts, feeding data to analytics platforms, automatically fixing a problem, and backing up and recovering critical data. | Tracy Dean |
| IBM Cloud Infrastructure Center - IaaS Solution for IBM Z and LinuxONE | Missing industry-standard Infrastructure-as-a-Service capabilities automating throughout compute, storage, and network is one of the biggest inhibitors for clients to integrate IBM Z / LinuxONE into their cloud environments. With the new IBM Cloud Infrastructure Center software offering for IBM Z / LinuxONE we provide a consistent, industry-standard user experience to define, instantiate and manage the life-cycle of z/VM based virtual infrastructure, and integrate with higher-level Platform-as-a-Service software such as IBM Cloud Automation Manager and VMware vRealize Automation. Join this session to learn more about the new offering and how it can help you and your company's journey to cloud. | Stev Glodowski |

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| VSE to z/OS Conversion Project | From late 2015 to 2018 America First Credit Union undertook an ambitious project to convert our core business system environment, including a home-grown CICS/Batch application from VSE to z/OS.<br>In this session I'll cover my experience with this project, some of the gotchas and hangups we encountered along the way and a feel for how such a process goes when you're servicing tens of millions of transactions on a daily basis. | Gerard Howells |
| Linux on Z and Crypto Express Cards | With the spotlight more and more on securing your data at rest and in flight, the IBM z14/z15 with Crypto Express provides the highest cryptographic security available commercially.<br>The presentation will cover how to configure the crypto cards on the Hardware Management Console/Support Element , under z/VM and on the Linux guests to enable SSL/TLS offload processing when using encrypted communications under Linux.<br>There will be a demo to show the IFL savings that can be achieved when using the Crypto Express Cards. | Andy Hartman |
| Discover the variety of Container technologies available on IBM Z including zCX | In the journey to digitalization, Container technologies are playing a crucial role. In Linux on IBM Z and LinuxONE, in a Secure Service Container and inside z/OS you can now take advantage of Container technologies and enable new workloads, integrate easier in DevOps and easier handle high dynamic workloads and deployment flexibility. The session also outlines the diversity of the Container Ecosystem on IBM Z. | Wilhelm Mild |
| z/VM Platform Update: Expanding the Horizon | On April 14th, IBM made a number of announcements regarding IBM Z and LinuxONE. Included in them was a Preview Announcement for z/VM Version 7 Release 2. You'll hear in this session about this new release coming in third quarter and how it fits into the z/VM release cadence. With z/VM's continuous delivery strategy there is also a lot of new function that has been made available in the service stream. This session will touch on the highlights of those new function APARs. | Bill Bitner |
| Is My z/VM System Full? | From time to time customers ask us whether their z/VM systems are "full". In other words, can the system absorb any more work? Does it have any capacity remaining? Could I do more with my system without adding hardware? Answering this question requires looking at the capacity and utilization of each of a number of different physical resource types. For example, how much CPU capacity is there, and how utilized is it? The same questions can be asked about memory, I/O, networking, and ISFC links. In this presentation we use z/VM Performance Toolkit ("Perfkit") screens to explore systems' physical resource capacities and utilizations in a number of different categories of resource. Sample screen shots illustrate which Perfkit screens to consult, which columns are especially helpful, and what values in those columns represent "full." | Brian Wade |
| Preparing for Multifactor Authentication for z/VM | Multifactor Authentication--the ability to prove your identity to a system by means other than passwords and password phrases--is now available for z/VM system near you. But what users need it, and what must you do to set it up? This presentation will help you understand what this means for identity management on your favorite hypervisor platform, cover the list of supported factors, and walk you through support and operations. | Brian Hugenbruch |

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| z/VM Problem Determination and Data Collection Demo | When bad things happen to good z/VM guests, what do you do? This session teaches you how to collect various types of debug information, from console data to standalone dumps. The live demo shows you what to expect when you are collecting the information, while the slide decks gives step by step instructions with screenshots. You will learn too what the best kind of data is to collect for each type of problem. Preparation is the key to success in any situation! | Emily Hugenbruch |
| Four use cases when using SUSE products wtih IBM Z and LinuxONE | This session will introduce and demonstrate a capability/feature in four different SUSE products available on IBM Z and LinuxONE. The four products are SUSE Linux Enterprise Server, SUSE Manager, SUSE Linux Enteprise High Availability, and the soon to be available SUSE Linux Enterprise Live Patching. | Mike Friesenegger |
| z/VM Centralized Service: Remote Service Management | A project in the works for z/VM is the Centralized Service Management (CSM). It's IBM's intent to introduce CSM in the next z/VM release. CSM will provide functionality for managing distinct levels of service for a select group of traditional z/VM systems. A given system will be designated as a Principal system. This system will use SFS to manage service levels for a set of defined Managed systems, regardless of their geographic location. This session will give you a sneak peek into this future enhancement, allowing you to better understand where it might fit in your enterprise and to prepare for it when it ships. | Richard Lewis |
| z/VSE Update | Natalie Speiser will introduce herself as new technical lead for z/VSE. She will give an overview of the latest changes in z/VSE, e.g. new hardware support or changes in the Crypto Services component. | Natalie Speiser |
| z/VSE Status, Business and News | Rene Trumpp will introduce himself as new Offering Manager for z/VSE. He will talk about the status and news of z/VSE from a business perspective. Additionally he wants to get in direct contact with the z/VSE customers to be able to shape the future development of z/VSE. | Rene Trumpp |
| Linux What's New & Performance | This presentation will show new features in Linux on Z and It will give an overview of supported Linux distributions.<br>Latest hardware innovations will be highlighted and recent performance results for selected features are discussed. | Stefan Reimbold |
| z/VSE Connectors - Best practices and use cases | z/VSE offers a huge set of connectors and tools that allow z/VSE to participate in a distributed application environment. The session gives a technical overview about the z/VSE Connectors and discusses typical use cases. It also discusses various best practices when utilizing the z/VSE Connectors to get the best out of them. This session covers connectors such as Java-based Connector, VSAM Redirector, VSE Script Server, Database Connector, but also connectors based on CICS Web Support, such as CICS Transaction Gateway, SOAP-Support, and RESTful Web Services. | Ingo Franzki |
| User Experiences setting up Redhat OpenShift on z/VM | Using the Redhat documentation and help from IBM specialists, I was able to create the Openshift cluster environment on my system running under z/VM V7.1. This session will go over the steps and lessons learned while doing this (over and over again to get it right). To best understand this presentation, you should have some knowledge of Linux, IP networking and (of course) z/VM | Sam Cohen |

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| Challenges Integrating Legacy CICS Applications | Different API tools and approaches are required when dealing with legacy applications that contain inherent complexities in their design. This session will cover challenges and considerations in implementing real-time APIs integrating to decades-old CICS applications. Topics include building APIs that can handle more than a single transaction, conversational dialogs and 3270 (non-BMS) applications. | Glenn A Schneck |
| Learning to Love Linux and z/VM | A short history of my experience going from administering distributed Linux to Linux on Z and becoming passionate about the mainframe. I'll discuss the differences I see between running Linux on distributed platforms versus the mainframe and the advantages I see to running it under z/VM. | Gerard Howells |