

## VM Workshop 2025 - Session Abstracts

Title	Synopsis	Presenter
Bit Talks with Friends	Join us in this session as Bill Bitner sits down with VM Community members Rick Barlow, Richard Lewis, and Rick Troth to hear their stories. Find out how they got into the z/VM space, what surprises they found, and how they grew their knowledge of VM. When we tell our stories and we listen to others tell their stories, we often learn that we're not alone. We're much better together.	Bill Bitner
EMMA: The Creation of a Mainframe Apprenticeship	The Eli Madison Memorial Apprenticeship (EMMA) is a mainframe focused apprenticeship program. It uses the traditional apprenticeship model for technical roles. We feel this is THE solution to the "mainframe skills shortage" and have buy in from industry and the community at large. Currently involved are 3 mainframe ISVs, 185 apprentices, 6 university professors at 5 universities, and 8 full time volunteers. EMMA is ready to do business.	Cameron Seay
An Introduction to z/VM	This is an introductory class to computers before the age of personal computers but when the "cloud" of today was the same as the "cloud" of yesteryear; e.g. somebody else's system. We'll review the virtualization basics, z/VM basics and how the z/VM hypervisor does its thing without being too "in the weeds".	Sam Cohen
z/VM Directory Tricks and Techniques	This session is designed as a follow-on to the z/VM Introduction. The concept and structure of the z/VM Directory is discussed, along some hints and tips to make the Directory easier to manage and more securable. Using these hints and tips can make External Security Manager (ESM) implementation easier to accomplish.	Sam Cohen
Implementing Fibre Channel Protocol-attached Devices	When connecting to SAN-attached storage, you will likely be communicating via Fibre Channel Protocol instead of FICON. This session will discuss all the steps involved in implementing an FCP connection from an IBM zSystem to an "open system" storage device. Knowledge of how traditional z storage attaches to an IBM zSystem is helpful but not required.	Sam Cohen
Workshop Opening Session	Welcome to the workshop. Go over what to expect and who you can talk to you. Introduce the sponsors and enjoy the keynote speaker.	Michael Giglio
Workshop Closing Session	Closing remarks, announce the winner of the Fallen Knight Scholarship.	Michael Giglio
IBM z/VM ESI – What is it, what's new, what's next	If you have not yet heard about the IBM z/VM Express System Install project, this session will cover the concept, how it came to be, and what has been included so far. Speakers from IBM's zAcceleration, WW LinuxONE Client Success, and Washington Systems Center will cover the details explaining why the ESI deployment bundle for z/VM is becoming so popular and how much time it can save you on your journey to hybrid cloud. Discover just how quick and easy deploying z/VM can really be! We will also cover what has been added, improved, or enhanced due to the recent GA of z/VM 7.4. The ESI project team also wants to hear from customers in the session about what you would like to see potentially added to the ESI bundle going forward.	Paul Novak
Who's Afraid of SSI?	I tell the story of migrating a heavily customized z/VM 7.2 in a CSE configuration to z/VM 7.3 SSI, and the challenges experienced. Join me to hear my tales of woe, of sleepless nights and lessons learned. I'll share some new techniques I picked up along the way and hopefully entertain you for about an hour.	Clayton Slaughter
Teaching With zClouds	Join IBM Champions Cameron Seay (East Carolina University), Len Santalucia (Vicom Infinity), Kurt Acker (Velocity Software), along with some admins and students to hear how universities are using Linux on Velocity (zLOV) as a base to manage their hybrid clouds with IBM z and LinuxONE Systems. Much like all businesses today, colleges and universities have compute requirements with budgets that must be managed in a cost controlled fashion. Teaching with zClouds focuses on the collaboration between IBM, IBM Business Partners and universities to help bring zSkills to a younger generation while maintaining their business requirements. Our goal is to provide insight from students, faculty and the collective teams involved that helped to make it all happen.	Kurt Acker
What's New in Red Hat OpenShift Container Platform on IBM Z and LinuxONE	Red Hat OpenShift Container Platform provides the foundation for containerized workloads on IBM Z and LinuxONE . Join us for the latest news, enhancements, and use cases available with Red Hat OpenShift.	Nourhane Bziouech

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<p>Practical z/VM Automation using Ansible and Terraform</p>	<p>Ansible is a popular Open Source system management framework that can be used to manage a huge array of different types of equipment, from network switches to storage subsystems to operating systems. Terraform is also popular in system administration circles for providing "infrastructure-as-code", often as part of a development team's CI-CD environment. This session will cover some of the "good, bad, and ugly" of using Ansible and Terraform to manage z/VM systems, the guests that run on them, and the partitions and machines on which they run.</p>	<p>Vic Cross</p>
<p>What's New in IBM's IaaS Platform Solution - Cloud Infrastructure Center</p>	<p>What's New in IBM's IaaS Platform Solution - Cloud Infrastructure Center With the latest release of IBM Cloud Infrastructure Center, we are providing new capabilities for our new and existing customers. Join us for a tour to explore the latest enhancements, use cases and news regarding IBM Cloud Infrastructure Center.</p>	<p>Wilhelm Mild</p>
<p>New Virtualization for IBM Z &amp; LinuxONE - Red Hat OpenShift Virtualization</p>	<p>This session will highlight Red Hat OpenShift Virtualization, which enables the capability to run workloads in Virtual Machines, side by side with Containerized workloads, under the control of Red Hat OpenShift tools. It will outline the technology and the business aspects such as licensing for the workloads using Red Hat OpenShift virtualization.</p>	<p>Nourhane Bziouech</p>
<p>Linux on IBM Z and LinuxONE: What's New and what for</p>	<p>This session will start with a brief overview of all available Linux distributions on the IBM Z and LinuxONE platforms, adding existing and upcoming features that are currently developed by IBM and the open source community. It will illustrate how to apply them effectively, and what aspects to pay attention to, for maximum benefit. The presentation will address both, IBM Z and LinuxONE-specific features, as well as platform-independent developments, and will end with the latest news on KVM on the platform.</p>	<p>Wilhelm Mild</p>
<p>How to Build a Multi-Architecture solution with Red Hat OpenShift on IBM Z, zCX or LinuxONE</p>	<p>This session will illustrate the requirements and steps for building a Multi-Architecture solution with Red Hat OpenShift, running it on IBM Z, in z/OS zCX or IBM LinuxONE and the Points of Value for such solutions.</p>	<p>Wilhelm Mild</p>
<p>BoF: What is different in a HA/DR architecture with Red Hat Openshift</p>	<p>Let's discuss in this Birth of a Feather where are the challenges and what needs to be considered when building a Hybrid Cloud solution, considering the new capabilities for HA / DR, but also considering and integrating with existing processes for traditional workloads in IBM Z. We will cover new capabilities for applications and the associated storage if they are running containerized in Red Hat OpenShift on IBM Z, zCX and LinuxONE.</p>	<p>Wilhelm Mild</p>
<p>z/VM and Virtualization Hands-on Lab - Choose your own Lab</p>	<p>In this four-part hands-on lab you choose hands-on lab exercises from one of these options: z/VM 7.4 SSI Installation and Configuration, z/VM Upgrade Installation from 7.3 to 7.4, Implement z/VM 7.3 Centralized Service Managment, clone an existing z/VM 7.3 SSI member to create a new member in slot 8, implement z/VM Datapump, DPM and KVM (modify a dpm partition, install Ubuntu 24.04 as a KVM host, install virtual machines) Most of these choices will take the full number of session slots, so it will not be possible to complete multiple labs. Each lab selection comes with a comprehensive lab workbook that provides step by step instructions and will be useful as a reference later. This session is intended for both beginners in z/VM and those who may have familiarity with z/VM but need a refresher.</p>	<p>Richard Lewis</p>
<p>Linux for IBM Z Installation Hands-on Lab - Choose your own Lab</p>	<p>This three-part hands-on lab will provide an opportunity to install Linux for IBM Z into a z/VM virtual machine, do some basic system administration and configure commonly used packages such as Apache. There will also be an opportunity to install the container engine and create some basic images and run those images in containers. The choices for installation will be RedHat 9.5, SUSE SLES 15 SP3, and Ubuntu 24.04 LTS. This is a three part lab to provide enough time to work through the lab workbook</p>	<p>Richard Lewis</p>
<p>Dispelling the Myths Around Open Source on the Mainframe</p>	<p>Wondering if Open Source is right for you and your organization? Don't know what you don't know? Is it myth or fact? Let the experts from within the Open Mainframe Project help you weed it all out. Fact or fiction, we will help you understand why Open Source IS right for you and your organization.</p>	<p>Leonard Santalucia</p>

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Help Wanted: Evangelize the Mainframe to the Next Generation	In the United States, approximately 59,000 computer science students graduate college every year while 10,000+ baby boomers retire and leave the work force every day. There just aren't enough students to back-fill the roles that the baby boomer generation continue to leave behind. In 2020, there were more than 84,000 mainframe positions open and not enough practitioners to fill them. Using a presentation I call "IT' Best Kept Secret" I highlight to students an important technology that they are not aware of, and a career path they may want to pursue. This session will highlight the need for the current mainframe community to evangelize mainframe career opportunities to students. In this session I review my easy to use customizable presentation that you can take out to local high school and college students to advocate career opportunities on IBM z Systems and to encourage students to pursue educational opportunities at colleges and universities that teach mainframe topics, to keep those classes running.	Marc Smith
Students: An Introduction to ITs Best Kept Secret	This presentation is intended for our student attendees as a general introduction to the mainframe. I cover what is a mainframe, examples of who uses the IBM Z Systems, and recommendations on how to pursue a career around the mainframe.	Marc Smith
(B.Y.O.D) Hands-on Lab: Managing z/VM and Linux on IBM Z or LinuxONE	This lab lets you choose from several monitoring, automation and backup/recovery scenarios for z/VM and Linux guests. You can choose from separate hands-on labs using IBM Operations Manager for z/VM or IBM Backup and Restore Manager for z/VM. Lab exercises include viewing and interacting with service machine and Linux guest consoles, taking an action based on a console message, monitoring user IDs for logoff, monitoring spool and page space, and backing up and recovering z/VM data.	Karishma Deole
Saying Goodbye to LDAP on z/VM	IBM issued a Statement of Direction with the release of z/VM V7.4 to warn users that the LDAP/VM server would be going away in a future release. Identity management wasn't easy befoer, and IBM acknowledges that this is a non-trivial move. So let's talk about it. This presentation will provide an overview of where LDAP mattered on z/VM, the ways in which it can be superseded or replaced today, and will cover a few details regarding in-development efforts to seek out and eliminate pain points in the identity management space.	Brian Hugenbruch
z/VM Problem Determination & Data Collection	New to supporting z/VM? This session covers the basics of troubleshooting and data collection when things go wrong to help IBM help you. Learn how to identify common issues, gather the right diagnostics (like dumps and logs), and avoid common pitfalls in paging, storage, and system configuration.	Dan Shekhtman
Keep Calm and Virtualize On: Communication, Coordination, and Recovery During a Crisis	Successful crisis response is about more than fixing a bug—it's about leading through uncertainty. Join this session to learn how to guide clients and teams through major disruptions with empathy, accuracy, and structure. Topics include establishing shared understanding, documenting clearly, managing escalation paths, and driving coordinated recovery.	Dan Shekhtman
z/VM Platform Update	An overview changes introduced with z/VM 7.4, the most recent release of z/VM as well as an overview of recent functional enhancements of z/VM 7.3 and published statement of directions for the next z/VM releases.	Frederik Hartmann
z/VM: Beyond the Horizon	An update and discussion on the current z/VM focus and strategy, planned enhancements and upcoming changes.	Frederik Hartmann
Linear Service for z/VM 7.4 and beyond	Deep dive into the new linear service philosophy and process introduced with z/VM 7.4, including an overview of recommended customer service tracks, implications on test environments and upcoming improvements.	Frederik Hartmann
GDPS v4.8 Update - What's New in HA/DR?	GDPS is IBM's premier continuous availability and disaster recovery solution for managing z/OS, z/VM, and Linux on IBM Z and their data, both within and across sites. In addition to the array of tightly integrated capabilities associated with IBM Z and data, GDPS extends its reach to heterogeneous platforms for end-to-end availability and recovery management. In this session we provide you with an update on the exciting new features and functions added in the latest release of GDPS, Including new products and the brand new V4R8.	Steven Cook

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GDPS Cyber Resiliency	Threats to your business data can be external or internal. GDPS Cyber Resiliency increases your security capabilities to prevent even a privileged user from compromising your production data, systems, and protected copies of this data. You will be provided with capabilities to regularly create secure, Point-in-time copies of data to use for Logical Corruption Protection scenarios. You will see how GDPS Cyber Resiliency uses storage, operating systems, and middleware to enable protection, forensic analysis, and recovery use cases for Logical Corruption Protection vaulted copies. Updates to previous presentations include new roles and action verification.	Steven Cook
GDPS & GVA Overview	This session will overview how GDPS, IBM's multi-site application availability solution, integrates key availability technologies such as z/OS, z/VM, Linux, and remote copy technologies with automation to enhance application availability and improve DR for z/OS, VM, and Linux on z. The enhanced GVA, GDPS Virtual Appliance, which runs on LinuxONE systems with z/VM and Linux guests will be highlighted. GDPS offers the state of the art in terms of performance towards continuous availability. Additionally, GDPS offers our clients a way to fulfill their regulatory and business compliance requirements by granting them "insurance" in case of a disaster (i.e., disaster recovery - DR) and providing high availability (HA) as well as ease and continuity of operations (CO).	Steven Cook
Got GetShopz?	This session will cover the purpose, function, and usage of the GetShopz program on CMS. GetShopz simplifies the transfer to a z/VM system for z/VM 7.4 service ordered through IBM Shopz or IBM ServiceLink. In addition, GetShopz can be used to transfer an order for a program product to the z/VM system. Participants will be walked step-by-step through a direct-to-host transfer for Shopz as well as ServiceLink. A workstation upload option is available for z/VM systems that cannot connect to the IBM download site. Additionally, GetShopz enables security features such as Digital Signature Verification to ensure that service packages arrive intact and unaltered. A participant familiar with CMS but unfamiliar with GetShopz can expect to walk away understanding how to get started with the utility and the benefits of doing so. Previous users of GetShopz also gain value from the presentation as new features from the z/VM 7.4 1Q25 feature pack are covered.	Sam Capodici
Introduction to z/VM Installation and Upgrade	This session aims to give the participant an introductory understanding of z/VM traditional installation and upgrade installation. No experience with install/upgrade is required, and students are welcome. Basic concepts and DASD/minidisk layouts are introduced using diagrams to lay a foundation for each process. Then, the steps for the process are covered at a higher level, with references to further reading. Participants come away confident to approach the z/VM Installation Guide. This session is excellent preparation for those wishing to attend the "z/VM and Virtualization Hands-on Lab", where they can choose to perform an upgrade installation themselves. This session does not include a live demo, but uses photos of real output to engage with the process.	Sam Capodici
Gen Z on IBM Z – Same Platform, New Faces	Join Olivia Ecock as she sits down with new IBM z/VM Developers Caroline Hart, Daniel Shekhtman, Montana Lee, and Sam Capodici to hear their stories. Find out what led them to the mainframe, how it's differed from what they learned in school, what pain points and challenges they've faced in learning the ropes, and in what ways they'd like to enhance z/VM and the IBM Z experience.	Olivia Ecock
CSI TCP/IP for VSEn Update	The CSI TCP/IP stack is now running on production VSEn system. Come and hear about new stuff in TCP/IP 2.3.4	Don Stoever
Future-Proof IT: The Modernized Mainframe Infrastructure at SDK	In this session, we present how SDK successfully modernized its mainframe infrastructure by upgrading to VSEn and introducing a new IBM Z16 alongside a DS8910F storage solution. Working closely with Living Mainframe, SVA and Z1CS, the project ensured a stable, secure operational foundation while paving the way for future IT modernization initiatives. We will share key project insights, the strategic benefits of the infrastructure update, and how this modernization strengthens the resilience and agility of SDK's IT environment.	Michael Tores, Julius Mehl
Optimizing the Value of Hybrid Clouds with zLOV	With a customer focused agenda, Velocity Software partnered with IBM's Washington System Center and Center of Excellence to help show the value behind running optimized workloads on IBM LinuxONE systems. MongoDB and Oracle guest were built on a VMware based stack, along side running them on a LinuxONE 4 directly on bare metal, and under z/VM for some initial benchmarks. The value of course goes beyond just how fast transactions can be processed. We'll also be sharing the advantages realized for vertical over horizontal growth, the use of on-board AI processors, compression and the resulting sustainability for running a hybrid cloud with IBM's LinuxONE systems.	Kurt Acker

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Where do you find Mainframe Education?	To those who are new to the Mainframe ecosystem, where do you start? In this session, we will cover the availability of several commercial courses designed specifically for the mainframe environment. ProTech Training offers both customized private classes taught just to your team or scheduled public classes. For your convenience, these classes are taught in-person either in a live classroom environment or online virtually. The courses range from beginner, intermediate to advanced levels, and provide in-depth coverage of both z/VM, Linux on z, and VSE. Come hear a review of one of these ProTech courses from a novice mainframer's perspective.	Marc Smith, Olivia Ecock
z/VM tools	This session will discuss and demonstrate more than 20 REXX EXECs, many inspired by Linux commands. These include GREP, DIFF, HEAD, MAN, TAIL, WHICH, WC and WHO. They are open source and available on Github. In addition a Web front end named z/VM and Linux Modern Administration (zlma) will be discussed and demonstrated.	Mike MacIsaac
Not If, But When: A Practical Approach to z/VM Disaster Recovery using IBM Tools	This session is a case study approach to the problem of implementing a disaster recovery scheme for z/VM systems. The methods demonstrated use IBM-branded tools (IBM Operations Manager, Tape Manager, Backup and Restore Manager for z/VM) though the underlying concepts can be addressed using other solutions.	Daniel P. Martin
A Practical Guide to Deploying IBM Operations Manager, Tape Manager, and Backup & Restore Manager for z/VM	Attend this "beyond the basics" session to learn how to make these tools useful after the installation processes are complete: -- IBM Operations Manager for z/VM: Learn how to configure basic service machine console monitoring and set up a simple automated operations schedule. -- IBM Tape Manager for z/VM: Learn how to configure basic functions and provision tape resources in support of automatically scheduled system backups. -- IBM Backup and Restore Manager for z/VM: Leverage work done in Operations Manager and Tape Manager to implement automated system backup procedures.	Daniel P. Martin
Step into the Lab: Setting up z/VM Performance Monitoring using IBM Tools	Attend this session to learn a streamlined approach to implementing z/VM performance monitoring. We'll start with the basics of enabling monitor data collection and the z/VM Performance Toolkit, move on to the process of enabling IBM OMEGAMON for z/VM and Linux, and finish with a review of setting up the z/VM Performance Data Pump.	Daniel P. Martin
Transition and news from IBM z/VSE to 21CS VSEn 6.3	In this session we will cover the different announcements that have been happening since last year, things to consider when upgrading to 21CS VSEn 6.3 and the next steps you should take if you care about your VSE workloads.	Gonzalo Muelas Serrano
21CS VSEn Crypto Services/OpenSSL Step by Step Setup	In this session we will show how to setup OpenSSL on 21CS VSEn with the three TCP/IP stacks, CSI, BSI and LFP. This presentation can also be used as Step-by-Step guide for future reference.	Shahin Ram Krishna
Hints and Tips working with/upgrading to 21CS VSEn 6.3	In this presentation we will show a mixed collection of experiences from the 21CS team on different areas while working with VSEn customers and upgrading to/using 21CS VSEn 6.3.	Shahin Ram Krishna
VSE 60 years anniversary and Still Strong	VSE platform is this year 60 years "young"! We want to celebrate with customers and vendors with a history journey how it started, evolved, where we are and where we are going. So come an join to share your stories from the past and also current stories and what you wish for the future.	Gonzalo Muelas Serrano
Is your z/VM environment really compliant?	Corporate security guidelines are constantly being modernized, but most of the time once a security rule has been created, they are hardly ever updated. This should make you think – are you really still security compliant. Come join us, as we offer best practices to help you become more security aware and proficient.	Brian Jagos
21CS: Then, Now, Next	For over 30 years, 21CS has been at the forefront of mainframe data protection, recovery, and performance planning. Central to their success is the strategic alliance with IBM, which led to 21CS entering into a z/VSE source code agreement in 2021. Discover how 21CS continues to drive innovation in the VSE space through its legacy of excellence and bold vision for what's next.	Gonzalo Muelas Serrano

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VFILE from VSSI File Transfer: Shaken, not Stirred	Wish you had file transfer between your systems like RSCS gave you, but don't want the hassle of maintaining store-and-forward topology? Want an alternative to having to put passwords into your FTP jobs? Come hear how VFILE from VSSI enables RSCS-like (sender initiated, no password on the recipient required) file transfer with lower managerial complexity and increased connectivity! Now, your Linux, Windows, z/OS, z/VM and other platforms can participate in sender-initiated file transfers without having to know your entire network layout or use proprietary protocols. VFILE uses open internet protocols to do its work, without having to maintain BITNET-style tables of next hosts for file and message transfer. With VFILE, you can accept files from across the world - OR NOT - it's your decision to make! With flexible ACCEPT and DENY list processing, you can quickly configure to accept files from only pre-approved hosts, dynamically altered and easily implemented. Come see the next generation of sender-initiated file transfer, with VFILE! Coming soon from VSSI.	Rick Troth
Performance Monitoring: OpenTelemetry or No Telemetry	OpenTelemetry (OTel) is an open-source, vendor-neutral project providing standardized metrics, traces, and logs for application and infrastructure observability. This session introduces OpenTelemetry's core concepts and demonstrates how it can be used to gain real-time visibility into infrastructure performance. Attendees will learn about integrating OTel with popular monitoring backends, setting up infrastructure instrumentation, and extracting actionable insights for performance optimization and troubleshooting.	Yinka Adesanya
Fur in the Data Center?	This is a story about our teams two year search for a way to save the planet by using a low cost modular passive device to improve data center cooling efficiency. We have studied everything from why curve balls curve to how camel fur works to find a solution which can reduce cooling cost 2-5% with the added bonus of savings on maintenance. It hasn't been easy as the things most would consider to be practical common sense ideas did not work as expected. Using computer visualization and simulation with in the field live testing with some AI optimization we found a champion. We are excited to tell you about our adventurous journey through trial and error which led to finding this unique solution. If you seek the revolutionary and not the evolutionary we would love to have a discussion with you and your team.	Margarete Zierner, Clayton Hollister
Decentralized Data with Blockchains and Web3	There is an exciting new technology that has begun to emerge from the crypto world. Like the decentralization of currency, decentralization of data is now a reality with the use of blockchains, distributed apps (DAPPs) and Web3 infrastructure. This presentation will explore how this new technology functions, and how it can be harnessed to provide a wider range of solutions for mainframe customers. While Web3 is a completely new method of managing websites, tablets, and other mobile devices, the concept of moving data ownership into the hands of the end user is an extremely powerful one. DAPPs represent a revolution in software that is provided, and distributed, over the blockchain, and can be executed within servers, browsers, and many other handheld devices. When these programs are combined with access to a complete range of data sources, these modern solutions are dynamic.	John Rankin
Networking on IBM z17 with EQDIO and z/VM: What it Means for You	IBM z17 is here and new hardware has been introduced to offload IO and enable faster CP processing. EQDIO is an updated (Enhanced!) protocol to QDIO that exploits this hardware. What does it mean and what can it do for you, z/VM, and the Virtual Switch?	Montana Lee, Caroline Hart
The Junior Woodchuck's Guide to Using TLS on z/VM 2025	TLS (Transport Layer Security) can be used in z/VM to establish secure connections. This presentation will cover the What, Why, Where, and How of setting up and using it, while also giving examples. No background of TLS or SSL is required.	Montana Lee
Updates on CSI International Development	Updates on CSI International Development This presentation will bring our z/VSE and VSEn customers up to date on new and important progress from CSI International. With the new announcement of the z17, CSI has been working hard to provide new and comprehensive advances. This presentation will highlight CSI International's continued commitment to the z/VSE and VSEn platform. We will explore all the exciting changes and enhancements available for TCP/IP. Addressing stronger support for security, TLS, and dynamic adjustments to deal with internet attacks. Z/Cobol is our newest addition to our catalogue of tools and features available for the VSE. We will go over the progress of the Beta process and provide details of some of the advanced features available in this new language. Data Miner Dash is a fast and easy way to examine data or produce reports with a minimal effort. We will go through what is new with this product and discuss some of the many success stories from the industry. Network Folding has been incorporated into our new Network Appliance, allowing a wider range of implementation. This new produce significantly reduces network congestion in VSE and many other adjacent platforms.	John Rankin
Implementing IBM z/VM CSM in a large data center	This presentation will bring to light the various steps to implementing IBM z/VM Centralized Service Management (CSM) across a large data center or ecosystem.	Eric Schuler-Dalverny

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An In-depth Look at the 9175: Core Architecture, New Features and Peripherals	This session will look at the 9175 system's core design and architecture. Exploring the new Telum II chip improvements in the cache design and how it works within the system as well as changes in the memory. We will cover the layout of the I/O subsystem, new adapters, and discuss some of the new features coming to the Z like: updates to Flexible capacity for Cyber Resiliency, the new AI Inferencing Accelerator, the new Spyre adapter , and more.	Kenny Stine
The 9175 Installation planning and WSC installation experience	This session will focus on the physical planning consideration for the system covering the power, layout, site tools and environmental stats. We will also explore the installation experience for the 9175 at the Washington Systems Center as part of the early support program.	Kenny Stine
Customer Experiences Running Databases with z/VM	This session will cover real world customer situations, describing various business challenges with database workloads, and how we tried to resolve these solutions. We'll share some demos on MongoDB memory monitoring, Oracle performance tuning and PostGresSQL performance tips . We'll also show/demo some key performance metrics of the new LinuxONE 5 / z17 announcement.	David Simpson
Acknowledging Real Accomplishments of Interns at Actual Mainframe Clients	Converge will present notable accomplishments of its current pool of interns. The interns were recently presented with an eclectic set of critical tasks and given strict deadlines. Come hear their approach to real-world problems , their solutions, and their outlook on the Z ecosystem.	Len Santalucia, Arty Ecock
21CS VSEnSCRT and Something More	In this session we will review the motivation of Sub-Capacity pricing, current process with hints and tips and at the end show, explore and get your feedback on some enhancements we are working on, hopefully to make your life easier.	Devin Ayres
21CS VSEn Support	In this session we will go through the basic concepts of 21CS VSEn SW stack support, the box infrastructure, summary spreadsheet and hint and tips dealing with APARs, PTFs and RSLs.	Michael Ibikunle
Customer Experiences Running Databases with z/VM	This session will cover real world customer situations, describing various business challenges with database workloads, and how we tried to resolve these solutions. We'll share some demos on MongoDB memory monitoring, Oracle performance tuning and PostGresSQL performance tips . We'll also show/demo some key performance metrics of the new LinuxONE 5 / z17 announcement.	David Simpson
Optimize your 21CS COBOL for VSEn applications	Based on customer request, in this session we will cover the following topics: Using Callable Services to prevent duplication of similar code in several programs in an application suite. Using sidefiles to reduce the object size of COBOL programs. Using Debug Tool or CEETRACE to check logic flow and remove redundant code. Describing various methods to generate dumps and diagnostic data to provide 21CS for analysis.	Laura Grinham
So you want an easy way to create VSE JCL?	Would it be advantageous to have the capability to assist new people coming into the VSE world with limited time to learn JCL and its Utilities, or experienced Engineers who just want to keep things simple? Well, we may just have the answer. Several VSE Products have a 'fill-in-the-blank' methodology, to create and execute some Utility Jobs, such as, VSAM Backup/Restore, VSAM Catalog Management and Hardcopy Reports without knowing much about the JCL or their parameters. This session will go over these panels and explain how they can be easily used to improve the efficiency and productivity of your Sys Progs and Operators.	Robert Dougherty
Introduction to OpenShift Internals and Performance	With the growth of container technologies and focus on OpenShift, this session describes the Openshift and Kubernetes architecture, and container performance management. To manage performance, it is important to be able to understand how it works and how to measure the consumption of an OpenShift implementation. This session looks at how to see what is happening inside OpenShift and how to meet capacity planning, chargeback and performance analysis requirements. Both Linux on z and zCX will be addressed.	Barton Robinson
Introduction to z/VM Performance Analysis and Configuration Guidelines	Basic understanding of z/VM performance and configuring z/VM systems for optimal performance should be a basic requirement for those installing LinuxONE and even those managing more traditional z/VM systems. The author has been providing performance guidance for 4 decades and would like to pass on what has been learned in many times, the hard way.	Barton Robinson
z/VM Control Program (CP) - Useful Things to Know	Whether you are a systems programmer who is brand new to z/VM, or you've just been away from the platform for a while and need a refresher, this session will provide useful information about the z/VM hypervisor kernel — called the Control Program (CP). We will start with an overview of CP and how it uses disk space, memory, and devices; followed by booting ('IPLing') your system; defining virtual machines and virtual networking; and the various ways you can interact with CP. We will conclude with an introduction to collecting diagnostic information for both testing and problem determination.	Lauren Maietti, Caroline Hart

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The zXPLORE initiative in z/VM Learning: Updates!	To help deliver skilled learners to the market, IBM ZXPlore free learning environment wanted to offer both basic zVM CMS experience, as well as the ability to create and learn the basic operations of a linux VM. We designed and built a vendor/product agnostic process for generating a private personal linux VM, manageable from a CMS terminal session, and internet-accessible via ssh. This session will detail the design approach, the prototype/proof-of-concept, and learning opportunities provided. We will show how a relatively simple low-code nodejs application running in the Cloud coordinates the provisioning/de-provisioning processes with SMAPI. We will also show members of the free IBM ZXPlore environment can access and experiment with the system.	Justice Heughan
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