

## **Linux and VM Program Opening**

Rick Barlow - Nationwide Insurance Steffen Thoss, Richard Lewis – IBM

March 2, 2015 Session 16289







SHARE is an independent volunteer-run information technology association that provides education, professional networking and industry influence.





## Welcome to SHARE in Seattle and to the Linux and VM Program

Rick Barlow Nationwide Insurance













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## **Agenda**

- Introduction to the Linux and VM Program
  - What is LVM?
  - Information
    - SHARE "It's what we do"
    - LVM organization what are the projects and brief description
    - LVM team; IBM reps & Special guests
  - How to Connect Look for bears and penguins
  - This week...
    - Highlights and Grid
    - Program Dinner announcement
- Evaluations
- Survey
  - The survey of hardware and software versions



## Welcome to SHARE "It's what we do!"



- A volunteer run organization.
- Dedicated to providing top-tier education on IBM and related technologies
- Networking with peers, sharing information and experience
- Industry influence direct contact with IBM, vendors
- Trade Show SHARE Technology Exchange (STE) the latest in commercial offerings





## Understanding the "Program"

- <u>Linux and VM</u> Program -> LVM
- SHARE programs consist of "projects" dedicated to specific subjects or issues
- LVM Program has three projects plus the TSC:
  - Linux Project
  - VM Project
  - Virtualization Project
  - Linux and VM Technical Steering Committee





#### **LVM TSC**

- <u>Technical Steering Committee</u>
- Small group representing SHARE LVM community
- Membership by individual, not company
- Works year round with IBM under CDA
  - Face-to-face meetings at SHARE Conferences
- Reviews, understands, and assesses certain IBM directions related to Linux and Virtualization
- Provides early feedback and guidance to IBM

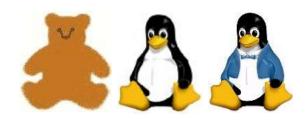




### **How to Connect – Around SHARE**

- Many ways to connect
  - Look for the Bears and Penguins
  - SHARE Linux and VM Program web page <a href="http://www.share.org/p/cm/ld/fid=44">http://www.share.org/p/cm/ld/fid=44</a>
  - SHARE Linux and VM Program community <a href="http://www.share.org/p/co/ly/gid=1832">http://www.share.org/p/co/ly/gid=1832</a>
    - Requires member login











### **How to Connect - Communities**

- Web sites
  - IBM z/VM web site <a href="http://www.vm.ibm.com/">http://www.vm.ibm.com/</a>
  - Linux for Mainframe web site <a href="http://linuxvm.org/">http://linuxvm.org/</a>
  - IBM z/VM resources for Linux <a href="http://www.vm.ibm.com/linux/">http://www.vm.ibm.com/linux/</a>
- E-mail Lists
  - IBMVM <a href="http://listserv.uark.edu/cgi-bin/wa?A0=IBMVM">http://listserv.uark.edu/cgi-bin/wa?A0=IBMVM</a>
  - LINUX390 <a href="http://www.marist.edu/htbin/wlvindex?LINUX-390">http://www.marist.edu/htbin/wlvindex?LINUX-390</a>





## SHARE doesn't happen without the Volunteers!



All of our Speakers and Session Chairpersons!

- Project Managers:
  - Linux: Mark Post (SUSE)
  - VM: Dan Martin (Rocket Software)
  - TSC Chair: Marcy Cortes (Wells Fargo Bank)
- Deputies:
  - Neale Ferguson (SineNomine Associates)
  - Openings available
- Scheduler:
  - Open
- Chair Wrangler:
  - Brian Jagos (Computer Associates)
- Program Dinner Host:
  - Brian Jagos (Computer Associates)
  - Planner: Jim Moling (Dept. of Treasury)





## Couldn't do this without them....

## IBM Representatives:

- Richard Lewis
- Alan Altmark
- Bill Bitner
- Jim Elliott
- John Franciscovich
- Romney White

## Special Guests

- Dan Griffith IBM
   Product Development Manager for z/VM and Related Products
- Steffen Thoss IBM
   System z Linux and Virtualization Product Development Team leader





## **Distinguished Guests**

Daniel Griffith
 Senior Software Engineer – z/VM





## **Distinguished Guests**

Steffen Thoss
 Product Development Team leader



## Linux on IBM z Systems in 4Q2014

Installed Linux MIPS at 45% CAGR\*

- 27.3% of Total installed MIPS run Linux as of 4Q14
- Installed IFL MIPS increased
   12% from 4Q13 to 4Q14
- 39% of z Systems clients have IFL's installed as of 4Q14
- 82 of the top 100 z Systems clients are running Linux on the mainframe as of 4Q14 \*\*
- 35% of all z Systems servers have IFLs



60% of new FIE/FIC z Systems accounts run Linux



## Linux is Linux, but are all Linux infrastructure solutions identical?

No

, while Linux is Linux, the underlying infrastructure (hardware and infrastructure software) directly affects the Linux workloads.



Easy Workload Integration



High Flexibility, Scalability and Manageability



High Productivity



High Resource Utilization



High levels of Quality of Service



The enterprise grade Linux solution on z Systems is designed to bring unique business value in the areas of operational efficiency, scalability, workload management, reliability, disaster recovery and security.





**Engines:** 

zIIPs. IFLs and ICFs



Additional Investment in Linux on z Systems Stack and Eco system including z/VM

## 2015

**New Machine New Brand Name** 

IBM z Systems
Linux on z Systems

- Linux updates
- z/VM 6.3 SPEs
- IBM WAVE updates
- **zKVM** (SOD)
- IBM GDPS Virt. Appl.
- IBM Spectrum Scale\*
- IBM's "Hadoop"\*
- IBM DB2 BLU\*
- more to come

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# Steffen Thoss System z Linux and Virtualization PDT lead <a href="mailto:steffen.thoss@de.ibm.com">steffen.thoss@de.ibm.com</a>







#### **Welcome Attendees**

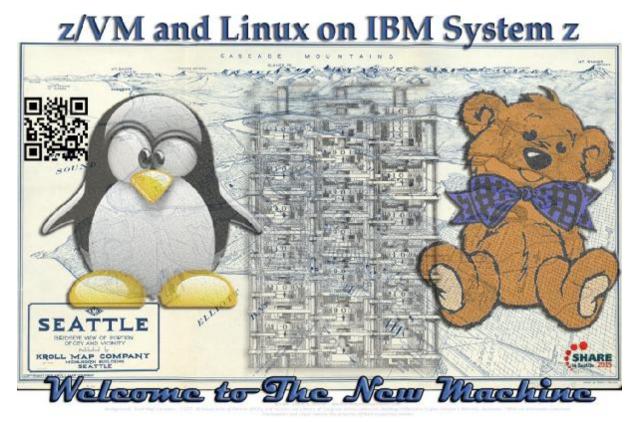
- We're glad you're here
  - New to SHARE?
- Session content intended to meet needs of IBM customers
  - Did you come with needs?
  - Please use the evaluations to tell us what you need
- We want to help
  - Communities
  - Mentors
- We would like to hear your story
- Volunteer
  - Session chair





## **Program for Seattle**

- "Grids" All of the LVM sessions and some other session of interest
  - http://tinyurl.com/SHARE124lvm
  - Cards available with QR code







## **Highlights for LVM in Pittsburgh**

- Interact with IBM leadership
  - z/VM Product Dialogue & Feedback

(Metropolitan A)

Tuesday at 4:30

Thursday 5:30

- Customer experience sessions –
   What's happening at your site?
  - Customer panels:
    - Experiences With IBM Wave Customer Panel

Experiences With Linux and System z – Customer Panel Thursday at 11:15





## **Highlights for LVM in Pittsburgh**

Direct, "hands-on" experience

Fraditional labs		(Virginia)
•	16434: Linux for Beginners Hands-on Lab (3 parts)	Monday 10:00
•	16492 z/VM for Beginners Hands-on Lab	Monday 3:15
•	16763 Hands-on Lab: JavaScript with the IBM SDK for Node.js	Wednesday 12:30
•	16484: z/VM Installation <i>or</i> Migration <i>or</i> Upgrade Migration Hands-on Lab (3 Parts)	Wednesday 1:45
•	16472: Hands-on Lab: Automation and Backup/Recovery Scenarios for z/VM and Linux on System z Using IBM Solutions	Wednesday 4:30
BYOC" labs		(Metropolitan A)
•	16474: Introduction to REXX Workshop (2 Parts) (BYOC)	Tuesday 10:00

- For "BYOC" - make sure you have a TN3270 emulator installed and fully charge your



laptop



# Linux and VM Program Dinner Eat, Drink and Be Merry



- Wednesday 7:00 at we will gather in the Sheraton Lobby to go to the Steelhead Diner
- Have dinner; unwind; meet other Linux and VM people
- See Brian Jagos to sign up



# SHARE,

# Evaluations are Important! Tell us how we are doing...

- LVM planners really use information from evaluations to determine what to offer
  - Which sessions are in demand?
  - Which are not?
  - What is missing?
- SHARE uses evaluations to determine best session awards. All speakers are volunteers, so this is recognition is important.
- Evaluate sessions:
  - www.SHARE.org/Seattle-Eval
  - Online and via smart device





## The Survey!

Richard Lewis - IBM Official Statistician and Triviaologist









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# SHARE,

## Have a great week!







