

### **Questions to Answer**

- What is LinuxONE?
- Why should a z/VMer be excited?
- How do I reach out to a non-mainframer?

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IBM LinuxONE IN ACTION: SCALABLE FINANCIAL TRADING
Donna Dillenberger
IDM Tides Wideon Research Carte

Great demo on LinuxONE from Donna Dillenberger
Search: Donna Dillenberger LinuxONE Demo
https://www.youtube.com/watch?v=VWBNolwGEjo
Watch it! Share it!



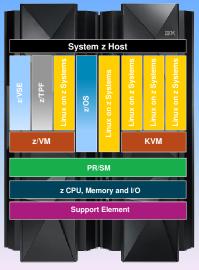


## KVM for IBM z Systems

- Announced: August 17, 2015
- General Availability: September 18, 2015
- An additional hypervisor for z Systems, joining z/VM and PR/SM
- Meant for customers with rich KVM skills on other platforms who want to leverage z Systems hardware and infrastructure.
- Not meant as a replacement for z/VM
- KVM for IBM z Systems V1.1.0
  - Product ID: 5648-KVM
  - Licensed but no OTC
  - S&S fee based



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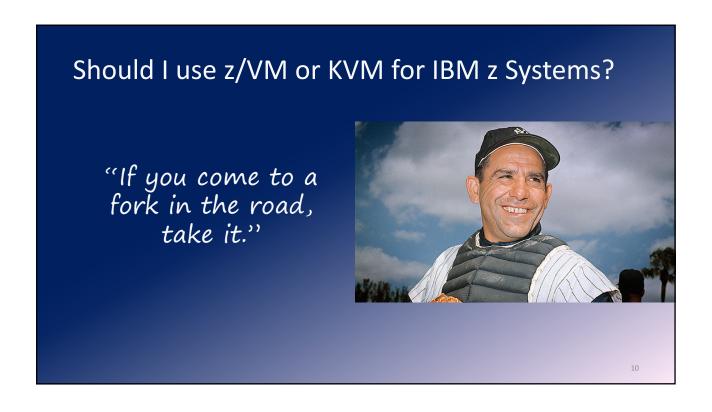
## KVM for IBM z Systems Requirements

#### KVM for IBM z v1.1.0 Pre-regs IBM z13™ Servers IBM zEnterprise® zEC12 IBM zEnterprise zBC12 IBM LinuxONE Rockhopper™ IBM LinuxONE Emperor SUSE Linux Enterprise Server (SLES 12 SP1) Operating systems supported IBM OSA-Express5S Networking features supported IBM OSA-Express4S IBM OSA-Express3S (zEC12 and zBC12 only) -- OSA-Express3S in KVM for IBM z does not support using VLANs or flat networks together with OpenvSwitch ECKD™ DASD: • DS8000® (FICON®-attached) FCP SCSI disks: • XIV® Storage devices are supported Storwize® V7000 FlashSystems™ SAN Volume Controller DS8000 (FCP-attached)

 $Note: \ \ Refer to the \ KVM for \ IBM \ z \ Systems: \ Planning \ and \ Installation \ Guide \ (SC27-8236) \ for \ the \ most \ current \ information.$ 

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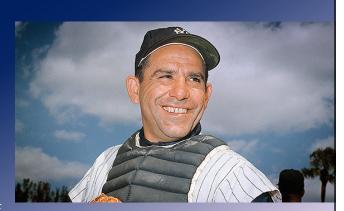






"In theory, there is no difference between theory and practice. In practice, there is."

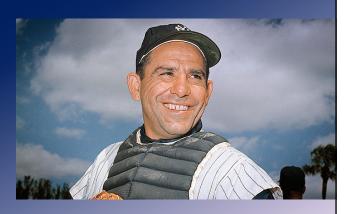
More likely quoted by: Jan L. A. van de Snepscheut



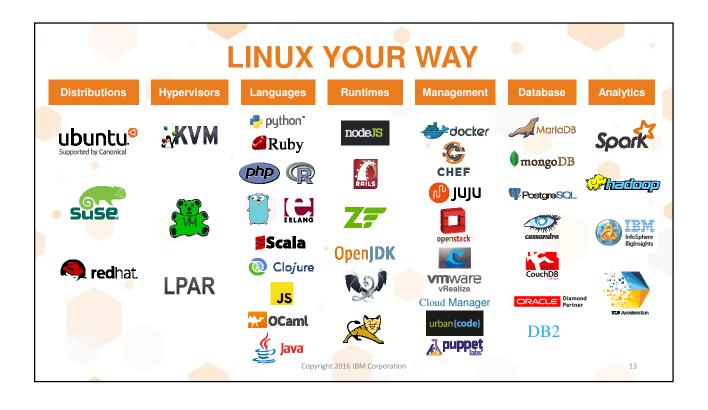
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## How is the choice between z/VM and KVM like the choice between LPAR and z/VM?

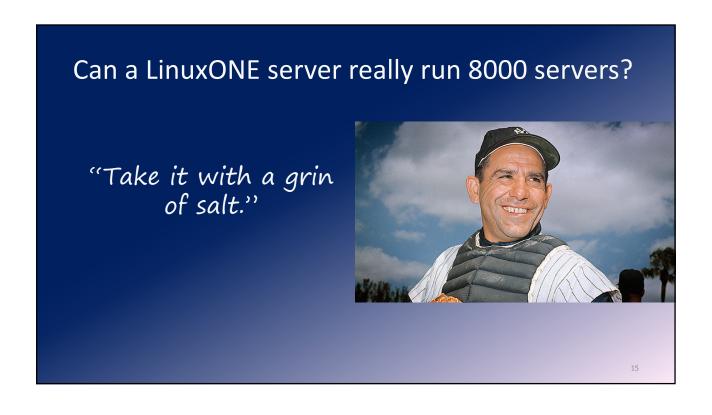
"It's déjà vu all over again."



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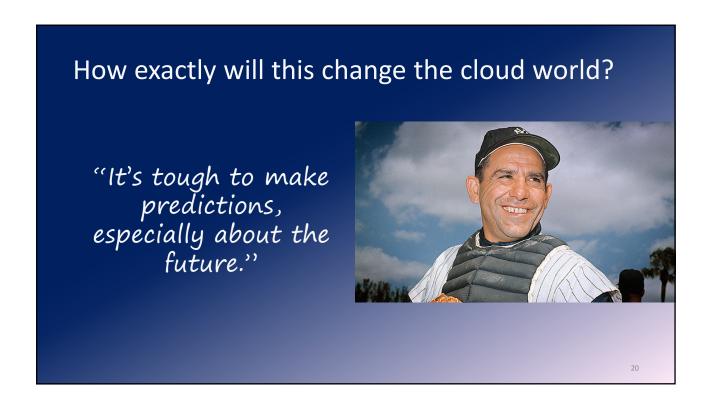






#### IBM LinuxONE Portfolio IBM LinuxONE Emperor IBM LinuxONE Rockhopper Ultimate flexibility, scalability, performance and trust An entry point into the LinuxONE Systems family for business-critical Linux applications. With a huge offering all the same great capabilities, innovation **Positioning** capacity range you can grow with virtually limitless and value of LinuxONE with the flexibility of a scale to handle the most demanding workloads in a smaller package single system SMT, large memory, more cores, more I/O, enhanced crypto performance, more Logical Partitions, zAware Better environmentals, lower cost, less memory, Hardware fewer cores, no SMT 6 to 141 LinuxONE Cores Cores 2 to 13 LinuxONE Cores (up to 10 TB) Hypervisor z/VM and/or KVM for IBM z Copyright 2016 IBM Corporation

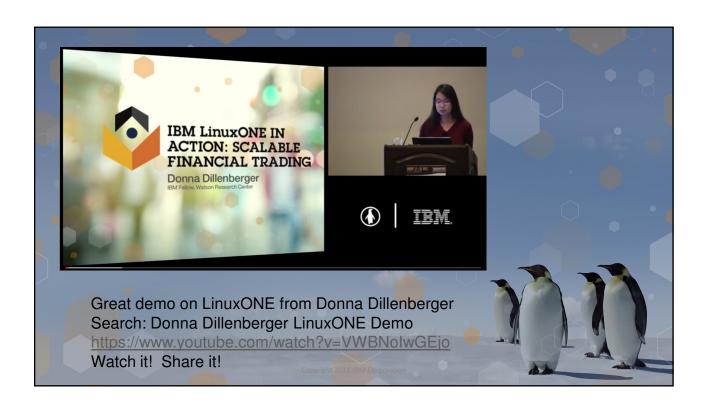








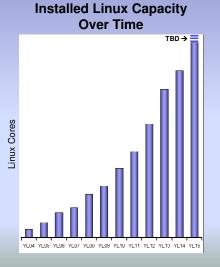




## z/VM Investment Continues

- Innovative enhancements rolling out almost quarterly
- Continued growth in usage
- 28% of z MIPS are Linux
- 81% of the top 100 customers are running Linux on the mainframe\*

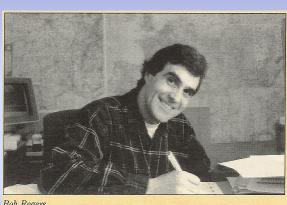
\* Top 100 based on total installed MIPS



## z/VM Personnel Investment

· Hiring both experienced and university grads

Meet one of the rookies.



Bob Rogers

## Why Bit and Reed are Excited!!

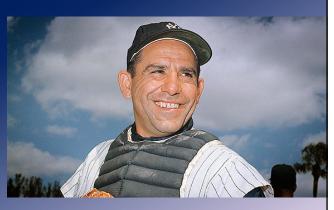
- What's good for the platform is good for z/VM
- IBM thinking outside the box
- People who didn't want to talk about the mainframe want to talk about LinuxONE

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# How will Reed explain these charts to IBM Marketing?

"I never said most of the things I said."



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