

HILLGANG

The DC VM & Linux Users' Group



Announcing the 17th Meeting of the new Hillgang

- Date: September 18, 2013
- Location: Computer Associates
2291 Wood Oak Drive
Herndon VA
- Time: 8:30 for 9:00 until 2pm

AGENDA

- Breakfast – Brought to you by .
- Nationwide's Private Cloud Journey - Brian Callaghan, AVP IT Engineering, Nationwide

- z/VM 6.3 Update & HiperDispatch deep dive – Dr Brian Wade, IBM
- INNOVATION's options for backing up up Linux on z – Patrick Fitzsimmons and Ed Gilroy, INNOVATION
- Effective IT Optimization with IBM System z Consolidation, Cloud, Analytics - Len Santalucia, Vicom

ABSTRACTS

Nationwide's Private Cloud Journey

For over eight years Nationwide has been striving to improve our virtualization and automation capabilities. Like most other firms we realized the initial cost benefits of consolidating underutilized platforms through virtualization (savings on software, hardware, facilities and labor), but we aspired to improve our model even more.

The question we sought out to answer: Are we leveraging our platforms in the most cost effective way and can virtualized Linux for System z be price/performance competitive vs. virtualized x86 for our Java application workload?

What we found out: We determined that for our environment and our local factors, Linux for System z was price / performance competitive and that we benefited from having multiple platforms.

What we created in the process: an agile continuous improvement model for determining the most appropriate platform to run our various workloads (fit for purpose).

Unanticipated benefit: the relative ease at which we can move applications between platforms and the number of human steps taken out of our processes.

z/VM 6.3 Update & HiperDispatch Deep Dive

In the first part of this presentation the speaker will spend just a few minutes reminding the audience of the high points of the content of z/VM 6.3. The bulk of the presentation will describe the HiperDispatch feature of 6.3.

In z/VM 6.3 IBM introduced new virtual server dispatching technology, called z/VM HiperDispatch, into z/VM. The prime objective of z/VM HiperDispatch is to help virtual servers to get good performance from System CPUs and memory. In this presentation we first explain important attributes of System z computing hardware and firmware as they relate to the notion of virtual server dispatch. We also explain the z/VM Control Program changes that help it to run virtual servers in a manner that exploits machine organization. We further explain how to plan for exploiting z/VM HiperDispatch. We also discuss workload characterization and in particular how to identify workloads that might be particularly amenable to being improved by z/VM HiperDispatch. The presentation ends with a discussion of the CP Monitor and z/VM Performance Toolkit changes relevant to z/VM HiperDispatch.

Innovation's Options for Backing up Linux on z

INNOVATION has different methods of backing up Linux on System z data. Come to the presentation and hear what the support and benefits of each method:

- FDR for ECKD devices

- FDRSOS for FCP devices
- FDR/UPSTREAM for file level support to z/OS
- UPSTREAM RESERVOIR for file level support to open systems.

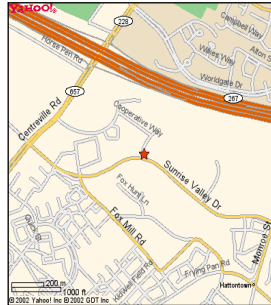
Effective IT Optimization with IBM System z Consolidation, Cloud, Analytics

In 1999 Linux on System z was just getting started and was also struggling to be accepted in the marketplace. Linux on System z/VM supported only SAMBA, DNS, Apache, and limited ISV and IBM software. Today, Linux on System z/VM has advanced remarkably and is growing in the marketplace at an exponential rate. The System z Linux Advisory Council has grown to over 160 members from its meager start of only 4 clients. There are many customer references as well as many IBM and ISV software solutions. This presentation will provide insights and many scenarios on how Linux on System z/VM earned its present status from a business, technical, and financial perspective and why it has such a bright future. We will also discuss the new IBM zBC12 announced on July 23rd.

PARKING

Parking is available in CA parking lot. Please go to the main entrance of the building.

HOW TO GET THERE



TO RSVP

Send mail to hillgang@vm.marist.edu indicating that you will be attending and if you have any special dietary issues.

To join the HillGang mailing list and receive further announcements about HillGang meetings send email to listserv@vm.marist.edu with the words:

`subscribe hillgang firstname lastname`

in the BODY of your message (not the subject line). You will receive a confirmation message with information about confirming your subscription.

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