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EPV Technologies Newsletter

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January 2015

- Tech Papers - z13 Capacity Planning - Part 1
- Tech News - Upcoming conferences in 2015 in Europe
- Tech Notes - z/OS 2.2 preview announcement
- Tech Support - New MIPS tables for z/OS 2.1 and z13

Every month we will invite Newsletter readers to send us a photograph on a specific theme.

The editorial staff will choose the "Photo of the Month" to be published in the next newsletter and on the web site.

The winner will receive an Amazon voucher for 25,00 Euro.

In September we will choose the "Photo of the Year". The winner will be included in the EPV Photo Hall of Fame.

He will also decide the NGO EPV Technologies will donate 1.000,00 Euro to, choosing from: MSF (www.medicisenzafrontiere.it), TDH (www.terredeshommes.it) and WWF (www.wwf.it).

Picture of the month

The winner of January 2015 is
"The cross of Mount Marmagna with snow sculpted by the wind"
Gilberto Marchetti - CEDACRI
The theme was: "Winter time, fun time".



Next month theme

The February 2015 theme is "VALENTINE'S DAY"
Pictures should be in JPG or JPEG format at least 600 pixel in width.
Please send your picture (only one picture per subscriber per month will be accepted) to epv.info@epvtech.com, granting EPV Technologies the authorization to publish it.

Tech-papers

z13 Capacity Planning - Part 1

On January 14th IBM announced its new generation of the mainframe. The new system is simply called IBM z13 while the family model is 2964.

Experienced capacity planners know that every new generation of machines provides a major challenge to their skills. They also know that their best friends are the IBM LSPR benchmarks, the IBM zPCR tool, the Measurement Facility counters provided in SMF 113 and an up to date performance database.

At the time of writing this paper the only thing available are the IBM LSPR benchmarks so in the first part of this paper, after a quick look at the most important capacity characteristics of the IBM z13, we will start from them to calculate the MIPS capacity of each IBM z13 processor model.

We will also compare z13 single CP capacity and workload variability with previous machine generations.

If you want to receive the paper you can reply to this e-mail writing " z13 Capacity Planning - Part 1" in the subject

Tech-news

Upcoming conferences in 2015 in Europe

CMG-Italia

Spring seminar "Mobile Workload Charging", Milan and Rome, March 2015

More details at:

<http://www.cmgitalia.org>

CECMG

Annual conference, Frankfurt, 25-26 March 2015

More details at:

<http://www.cecmg.de/>

DUGI

Annual conference, Milan and Rome, April 2015

More details soon at:

<http://www.dugi.it>

GSE Region DACH GSE Region DACH (Germany, Austria, Switzerland)

Annual Conference, Hamburg, 11-13 May 2015

More details at:

<http://www.gset.net.de/>

IBM

System z Technical University 2015, Dublin, 18-22 May 2015.

More details at:

<http://www-304.ibm.com/services/learning/ites.wss/zz/en?pageType=page&c=Q549350A81365Q21>

CMG-Italia

Annual conference, Milan and Rome, May 2015

More details at:

<http://www.cmgitalia.org>

z/OS 2.2 preview announcement

"This z/OS V2.2 Preview announcement describes many capabilities designed to support Exceptional service levels with:

- Simultaneous multithreading on zIIP specialty engines on z13 processors for higher overall throughput
- Up to 141 configurable processors or up to 128 processors per LPAR on z13 processors when running in SMT mode
- Improved autonomics for health-based workload routing in a Parallel Sysplex with new z/OS Workload Manager (WLM) and XCF functions to help improve availability

Analytics enablement with information management, storage, and delivery capabilities:

- Support for up to 4 TB of RAIM memory per LPAR to improve performance of IBM DB2 and other data-intensive processing workloads
- Fabric I/O Priority, extending Workload Management into the SAN fabric to prioritize your most important workloads and help improve service levels
- 16 Gb FICON links to help reduce I/O latency
- A new IBM zHyperWrite capability that helps you achieve better DB2 log write performance when using Metro Mirror (PPRC) in a HyperSwap-managed environment

A trusted and resilient system of record:

- Faster data encryption to handle increased transaction volume with both a new Crypto Express55 cryptographic adapter and improved compressor-based, on-chip cryptography
- Digitally signed SMF records designed to provide a trusted audit repository
- Improvements to secure communications, additional support for ciphers, RACF enhancements, and more

Capturing the potential of the mobile enterprise:

- System SSL's new OCSP support is designed to help reduce risk and improve the security of mobile and other transactions by checking certificate revocation status over the network.
- Mobile Workload Pricing programs help you reduce software costs during periods of peak mobile transaction workload processing.
- The z/OS Connect software interface between mobile and backend systems is designed to help you easily integrate your z/OS systems into your mobile computing environment"

Complete announcement at: http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/6/877/ENUSZP15-0006/index.html&lang=en&request_locale=en

Tech-support

New MIPS tables for z/OS 2.1 and z13

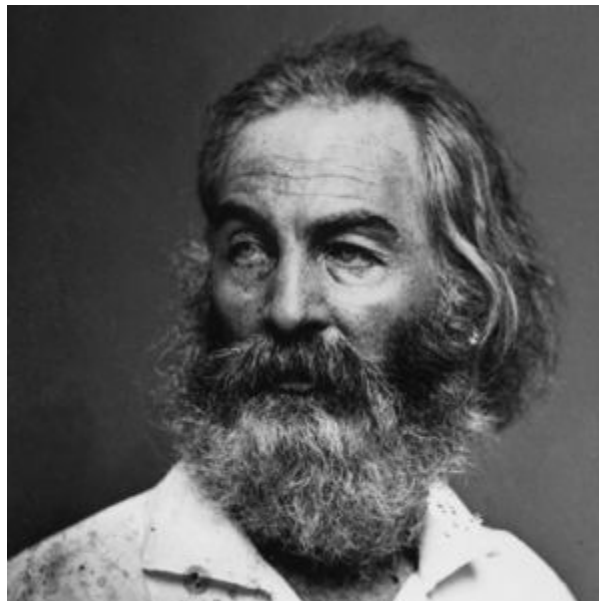
The following tables, based on z/OS 2.1 benchmarks and including the new z13 machines, are available on request to EPV customers:

- MIPSAR21 (AVG RNI),
- MIPS LR21 (Low RNI),
- MIPS HR21 (High RNI),
- MIPS PR21 (PCI).

Please note that a patch is required in order to support z13 machines in the current EPV products version. It will be provided as soon as the appropriate IBM documentation will be available.

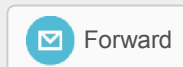
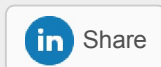
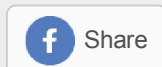
Please contact EPV support if you are planning to install z13 machines.

Quote of the month



*"That you are here—that life exists, and identity;
That the powerful play goes on, and you will contribute a verse."*

Walt Whitman



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