EPV Technologies Newsletter

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June 2015

- **Tech Papers – Memory Really Matters in 2015 – Part 1**
- **Tech News – New EPV web site**
- **Tech Notes – EPV User Group 2015: first draft agenda**
- **Tech Support – EPV for z/OS V13 preview**

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 June 2015 is
Ornella Di Leo - Intesa Sanpaolo
"Poppies"
The theme was: "SUMMERTIME"

Next month theme

The July 2015 theme is "WATER"
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

Memory Really Matters in 2015 – Part 1
The amount of available mainframe memory continues to increase with every new IBM machine generation as well as the amount of memory supported by the latest z/OS releases.
Up to 10TB memory can be installed in IBM z13 while z/OS 2.2 will support up to 4TB in a single LPAR.

The first benefit of an adequate amount of memory is to eliminate paging activity.
While it's true that z/OS can remain stable and run even when sustaining high paging activity, paging and especially page faults are very disruptive to online applications' performance.
Furthermore you have to consider that CPU cycles are needed to perform paging.

Large amounts of memory also allow the full exploitation of the many available DIM (Data In Memory) techniques.

Maintaining data in memory has two additional advantages:
- it improves performance by avoiding the delay caused by I/O operations
- it eliminates the CPU consumption needed to perform I/O operations.

This is particularly important for DB2 workloads with poorly performing buffer pools requesting many read I/Os to reload the required data.

Finally, if enough memory is available, 1MB and 2GB memory frames can be used to greatly reduce the overhead of virtual address translation.

In this paper we will discuss the most important metrics you can use to measure memory related activities.

If you want to receive the paper you can reply to this e-mail writing "Memory Really Matters in 2015 – Part 1" in the subject

Tech-news

New EPV web site
The EPV Technology web site has been completely redesigned to fully support mobile devices.

Check it at www.epvtech.com

Please report any issue to: epv.info@epvtech.com

Tech-notes

EPV User Group 2015: first draft agenda
The XII EPV User Group will be held in Rome on 8th October 2015 at Residenza di Ripetta in Via di Ripetta, 231 - Roma.

The EPV User Group is a "not to miss" event for all Performance Analysts; it will give you the opportunity to share ideas with qualified experts and to listen to some of the EPV customers experiences.

The most interesting features provided by the latest versions of all EPV products will also be presented.

Here is the first draft of the agenda.

EPV User Group 2015			
Rome, 8th October			
Agenda			
09:45	Introduction	Danilo Gipponi	EPV Technologies	
10:00	EPV for z/OS User Experience	User 1	User 1	UE
10:30	What's New in EPV for z/OS V13	Giuseppe Giacomodonato	EPV Technologies	PP
11:00	"Near line" Analysis of SMF data	Matteo Bottazzi	EPV Technologies	MT
11:30	coffee break			
12:00	What's New in EPV for DB2 V13	Mario Rossi	EPV Technologies	PP
12:30	Getting the Whole Datacenter Picture with MyEPV	User 2	User 2	UE
13:00	What's New in EPV for DS	Mark Cohen Austrowiek	EPV Technologies	PP
13:30	Lunch			
14:30	Business oriented reporting	User 3	User 3	UE
15:00	What's New in MyEPV V13	Stefano Rotunno	EPV Technologies	PP
15:30	Lost in the SMT World	Fabio Massimo Ottaviani	EPV Technologies	MT
16:00	End			

The EPV User Group is free of charge and reserved to EPV customers. If you are not a customer yet but you are interested in participating, please answer to this e-mail asking for an invitation.Mark the date in your agenda to avoid missing this event.

Tech-support

EPV for z/OS V13 preview

EPV for z/OS V13 is now in Managed Availability; general availability is expected by the end of July 2015.

This version will provide many usability improvements; the most important of them are:
- Enhanced Management Summary;
- Enhanced switch function to move focus on a different system and eventually change the metric choosing among CPU, IIP or IIPCP;
- Coordinated combo-box to extend your selection to all the views in the page;
- Excel folder to provide automatic regression analysis on weekly and monthly trends when using the advanced Excel export function.
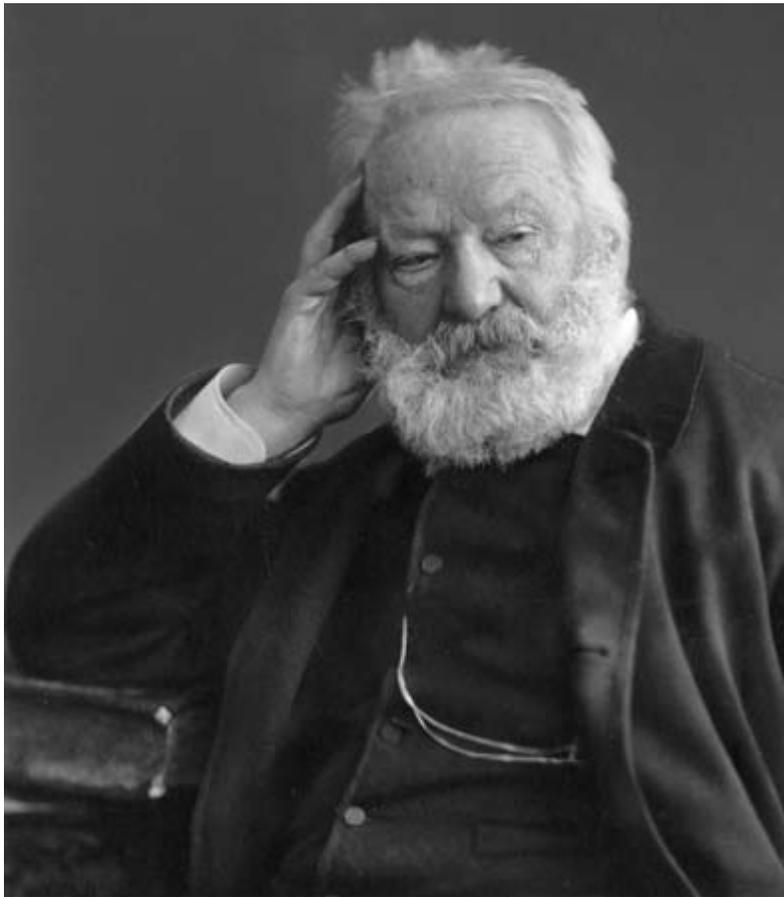
The major technical enhancements are:
- z13 support;
- zIIP SMT support;
- Mobile Workload Pricing support;
- zCAP support;
- TOP WLC address spaces;

Other important enhancements:
- CICS and IMS transaction abends;
- dataset performance analysis;
- report class grouping;
- crypto activity;
- service and report class user reports.

Quote of the month

"Il y a un spectacle plus grand que la mer, c'est le ciel; il y a un spectacle plus grand que le ciel, c'est l'intérieur de l'âme."

"There is one spectacle grander than the sea, that is the sky; there is one spectacle grander than the sky, that is the interior of the soul. "

Victor Hugo

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This message contains news related to EPV products produced and distributed by EPV Technologies.
The EPV products suite answer problems such as Managing Performance, Tuning and Capacity Planning

on the most common platforms, allowing huge savings on HW and SW costs.
Greater details and information on EPV products and solutions can be found at http://www.epvtech.com or writing to epv.info@epvtech.com.

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