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# EPV Technologies Newsletter

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October 2016

- Tech Papers - The many effects of the LPAR weight - Part 1
- Tech News - EPVunzip
- Tech Notes - IBM announcements - Software price increases

*Every month we will invite Newsletter readers to send us the solution to a simple logic test. The editorial staff will collect the results and at the end of the year we will send a symbolic prize to the participant with the highest number of correct answers. In case of a tie the winner will be chosen by drawing.*

*The real prize is that he will also decide the NGO EPV Technologies will donate 1.000,00 Euro to, choosing from: MSF ([www.medicisenzafrontiere.it](http://www.medicisenzafrontiere.it)), TDH ([www.terredeshommes.it](http://www.terredeshommes.it)) and WWF ([www.wwf.it](http://www.wwf.it)).*

## When Logic Matters

The solution of September 2016 quiz is : B



The facade of a building shows windows with two and three shutters.  
If the windows are in total 18 (between 2 and 3 shutters) and the shutters are all over 46, how many windows have three shutters?

## Tech-papers

### The many effects of the LPAR weight - Part 1

For many years z/OS customers have been used to setting a weight for each logical partition (LPAR) just to tell PR/SM how to manage shared CPs when they are in contention.

The assigned weight expresses the importance of LPARs workloads to be considered in the distribution of the CPU and zIIP capacity.

Generally speaking weight is enforced by PR/SM only when there is not enough power to satisfy all LPARs' demands. As long as the physical CPs have some spare power, all LPARs can use whatever they want. However, if initial capping is set for an LPAR its weight becomes an insurmountable limit to the usable CP capacity. No matter how much capacity is available and not being used by the other LPARs.

A not well known effect of the weight is that, if it's not coherent with the number of logical CPs assigned to the LPAR, it may negatively influence PR/SM dispatching and application performance leading to the so-called "short CP effect".

More recently, with the advent of HiperDispatch, the LPAR weight has also become a key element in the "vertical polarization" of the logical CPs which has again a very strong effect on workload performance.

Finally, LPAR weight is also used when group capacity is used to determine the LPAR minimum entitlement, which is the amount of CPU it can use in the 4-hour rolling average without being soft-capped when the group capacity limit is reached.

In this paper we will discuss the many effects of LPAR weight providing examples and suggestions.

If you want to receive the paper you can reply to this e-mail writing " The many effects of the LPAR weight - Part 1" in the subject

## Tech-news

### EPVunzip

We are glad to announce the managed availability of the EPVunzip feature.

Using EPVunzip you will be able to un-compress, on z/OS, any file previously compressed using EPVzip.

Both components are written in Java and therefore fully exploit zIIP with a negligible CPU consumption.

EPVunzip GA is planned by the end of November 2016.

If you want to test it please ask for a trial at: [epv.support@epvtech.com](mailto:epv.support@epvtech.com)

## Tech-notes

### IBM announcements - Software price increases

Announcement Number: 517-001

Announcement Date: Sep 13 2016

Effective Date: Jan 01 2017

“Today, IBM announces increases in monthly license charges (MLC) on select operating system and select middleware software programs and their features. For the affected programs, the price changes will only apply to the following monthly license charge (MLC) software pricing metrics: VWLC, AWLC, CMLC, EWLC, AEWLC, PSLC, FWLC and TWLC. The price increase for a given program will be approximately 4% depending on the features selected.

The timing of this announcement allows most clients to understand these changes before budgeting for the following year. Please note that in this instance IBM is giving more than the contractually required ninety days’ notice of an increase in charges.

Effective January 1, 2017 monthly charges will increase for the following programs...”

More details and the list of programs at: <http://epvtech.us2.list-manage.com/track/click?u=062eec856ef8c8851bd059563&id=f5661eb4f4&e=48456c6e0b>

Announcement Number: 517-002

Announcement Date: Sep 13 2016

Effective Date: Jan 01 2017

“Today, IBM announces increases in one-time charges (OTC), in Subscription and Support (S&S) recurrent license charges (monthly and annually) and in reseller license charges on selected IBM z Systems software products.

Increased one-time charges will be effective January 1, 2017.

The increased recurrent charges will be effective with the billing period that starts on or after January 1, 2017.”

Depending on the features selected the price increases can vary from 3% to 10%.

More details and the list of programs at: <http://epvtech.us2.list-manage.com/track/click?u=062eec856ef8c8851bd059563&id=433e526d2b&e=48456c6e0b>

## Quote of the month



*“ As you know, madness is like gravity...all it takes is a little push.”*

***The Joker - Heath Ledger***



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