EPV Technologies

System Z Update

Virtual Conference

25 November

System Z continues to evolve introducing new hardware and software technologies. In this virtual conference we will focus on some of the most recent and interesting of them. The conference is reserved to EPV customers, partners and invited guests.

Agenda

09:00 | Is My z15 Performing as Expected? – session code Z1

11:00 | From z13 to z15: a real customer case – session code Z2

14:30 | Are you wasting money because of SIIS? – session code Z3

15:30 | Running EPV on zCX – session code Z4

All the sessions will be managed through WEBEX.
The subscription form is available at www.epvtech.com

Is My z15 Performing as Expected?

The last IBM hardware (z15) should provide increased capacity and performance benefits. As always happens, some customers are enthusiast, some are happy and some others are disappointed.
We regularly receive requests from some customers to help them evaluate the new machine's performance. This has also happened when upgrading to z15.
Their question is always the same: "Is my new machine performing as expected?".
In this presentation we will try to provide suggestions to help you answer this question. All these suggestions are not specific for an upgrade to z15, they also apply to any machine upgrade.
In the final part we will also discuss a real case.

From z13 to z15: a Real Customer Case

Upgrading to a new machine is always a critical moment for every site.
In this user experience the results have been even better than expected.
We will discuss CPU consumptions, zIIP eligible on CPU and zIIP consumptions, hardware efficiency measured through the CPI.
We will also show the performance benefits obtained for ICF and crypto card requests.

Are you wasting money because of SIIS?

When the software pricing is based on the monthly peak of the MSUs used in 4-hour rolling average the analysts focus mostly on the workloads contributing to those peaks.
With the advent of TFP (Enterprise Consumption solution) the situation is changing: all the MSUs are now relevant for the software bill, no matter the time of the day when they are used.
So, with TFP, identifying and eliminating any MSU waste has become even more important than before.
In the last machine generations, IBM has identified the "Store Into Instruction Stream" (SIIS) issue as possible reason for a reduction of the processor cache effectiveness and a consequent significant increase of CPU utilization.
In this presentation, after a short overview of the SIIS issue we will provide formulas and report examples to help you understand how relevant are the number of MSUs wasted in your systems because of SIIS events. We will also provide suggestions on what you need to do to identify SIIS culprits.

Running EPV on zCX

Probably the most exciting new functionality introduced with z/OS 2.4 is z/OS Container Extensions (zCX). Thanks to zCX, most applications that are currently only available to run on Linux, will be able to run on z/OS as Docker containers.
Up to now you could run EPV products on Windows, Linux, Linux on Z and Unix but not on z/OS. The major reason of this choice is our continuous effort to reduce customers z/OS hardware and software costs.
Nevertheless, some customers still prefer to keep their SMF and other z/OS data processing on z/OS, because of this platform's unmatched characteristics of security, availability, manageability and performance.
With zCX, it is now possible to run the EPV products code on z/OS, with no changes. The impact on hardware and software costs will be greatly reduced thanks to the exploitation of zIIPs allowed by this technology.
In this presentation, after a short introduction to Docker and zCX, we will discuss what you should do to install and run EPV in this new environment.