



epv

IT Cost
Under Control

EPV Technologies

Newsletter

December 2023

THIS MONTH HIGHLIGHTS

- Merry Christmas and Happy New Year
- EPV User Group DACH 2024

Merry Christmas and Happy New Year

The EPV staff wishes a Merry Christmas and a Happy New Year to all the newsletter subscribers.



EPV User Group DACH 2024

On February 27, 2024, we will be holding our EPV User Group DACH at the BMW Welt.

The BMW Welt is an exhibition, delivery and event venue in Munich located in the immediate vicinity of the BMW four-cylinder tower, the BMW Museum and the Olympic Park.

At BMW Welt, you can also discover the latest models from BMW, BMW Motorrad, MINI, Rolls-Royce Motor Cars and other exciting topics related to the BMW brand.

Agenda and details soon available at:

<https://tps-data.eu/home/> and www.epvtech.com



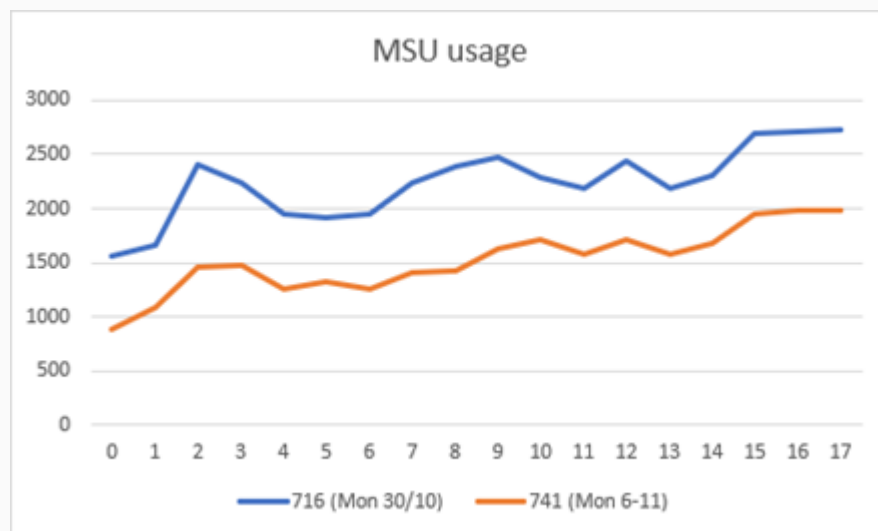
Customer Questions

Hello, we temporarily activated an IBM 3931-741 instead of a 3931-716 which is the model we normally use. We have noticed a strong reduction in consumption. Can you help us quantify it?
Can you also explain the reason for that?

EPV Technical Support answer

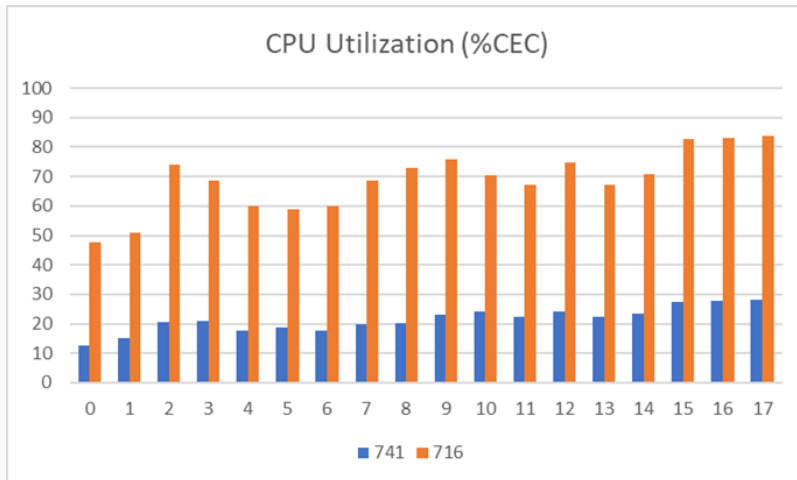
We compared the consumption of the MSUs in the two configurations by selecting the same day of two adjacent weeks. We also checked the throughput of the major workloads and we found it very similar in these two days.

As you can see in the graph below, the reduction with the 3931-741 is significant.



The reasons for this reduction are essentially two:

- a reduced workload contention because CPUs are practically dedicated to the LPARs;
- a reduced overall CEC utilization.



Exploit AI-powered WLM

With z/OS 3.1, IBM delivers an AI Framework providing foundational capabilities, designed to support the AI infusion within z/OS, designed to help optimize IT processes, simplify management, improve performance, and reduce skill requirements.

The first area where IBM will apply AI, to the management of z/OS, is WLM. AI-powered Workload Manager (WLM), as defined in the announcement letter, is designed to predict upcoming batch workload and react by allocating an appropriate number of initiators.

With AI, WLM can predict any regular spikes by analyzing and modelling historically repeating batch workloads. Of course, regular workloads patterns (by time, day and service class) must exist. Exploiting AI, WLM can start additional initiators in advance, potentially reducing or eliminating the time jobs need to wait for initiators.

The AI processing in z/OS is internal to the operating system and WLM; no skill in data science or machine learning is needed.

However, before you can use AI in WLM, you must configure the components that make up the z/OS AI Framework by using the Configure AI Framework for IBM z/OS.

After you have successfully configured the AI Framework, you can use the AI Control Interface for IBM z/OS to customize the AI-powered batch initiator management in WLM.

The AI Control Interface allows to choose which service classes you would like to enhance with AI and train the system.

Training requires that you have at least 30 days of contiguous, historical SMF type 99 subtype 2 data available and it is done at the system level for all service classes; however, you can decide to enable and disable AI for individual service classes or place it into AI simulation mode.

Please be aware that there are a certain number of hardware and software requirements for the AI Framework for IBM z/OS.

The most critical, for some customers, can be the need of a coupling facility cache structure.

Quotes



“And now here is my secret, a very simple secret; it is only with the heart that one can see rightly, what is essential is invisible to the eye.”

The Little Prince

We care about your Privacy. EPV Technologies is GDPR-compliant.

You may have heard about the new General Data Protection Regulation ("GDPR"), that comes into effect May 25, 2018. It was introduced to unify all EU countries to a unique data regulation, ensuring that all data protection laws are applied identically within the EU. It also protects EU citizens from organisations using their data irresponsibly and puts them in charge of "what", "where" and "how" information is shared.

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