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GUESS WHERE I AM !

Every month we will invite Newsletter readers to guess in which part of the world is the EPV explorer. 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), TDH (www.terredeshommes.it) and WWF (www.wwf.it).

The solution of February is
a canal in Venice

Tech-papers

Measuring the HiperDispatch activity

The capacity of recent mainframe machines is largely determined by the capability of the z/OS system and workload components to exploit the processor cache architecture.

The optimal situation, the lowest number of processor cycles used per instruction, occurs when data and instructions are available in the Level 1 cache.

Performance becomes progressively worse as data and instructions are found in the higher levels of cache, including the memory, and eventually in a different book or node/drawer.

The likelihood of finding the necessary data and instructions, in the levels of cache closest to the processor, depends on the probability of the same workload running as much as possible on the same logical and physical processor.

To maximize this probability a close cooperation between the z/OS operating system and the PR/SM hypervisor is required. This cooperation has been realized through a highly complex component called HiperDispatch.

In this paper, we will focus on the metrics available in SMF 70 records that have to be used to understand the HiperDispatch activity and measure its effectiveness.

Some real life examples, based on EPV for z/OS views, will also be discussed.

All formulas and examples applies both to standard CPU and to zIIP except those referring to Group Capacity, which applies to CPU only.

If you want to receive the paper you can reply to this e-mail writing "Measuring the HiperDispatch activity" in the subject

Tech-news

Upcoming conferences

CECMG - z Systems Update & Performance - April, 25th 2017 - Berlin (Germany)

EPV will present: "zIIP and Memory: the two Pillars of z/OS cost reduction"

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

CECMG - Annual Conference - April, 26th and 27th 2017 - Berlin (Germany)

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

GSE UK - zCMPA -Mid Year meeting - May, 18th 2017- London (UK)

EPV will present: "Measuring HiperDispatch"

Details at: <http://zcmpa.gse.org.uk/>

GSE Germany - Annual Conference - May, 22nd and 24th 2017 - Leipzig (Germany)
Details at: <http://www.gse.org/events/10/gse-dach-jahrestagung/>

CMG-Italia - Annual Conference - May, 24th and 25th 2017 - Rome and Milan (Italy)
EPV will present: "zIIP and Memory: the two Pillars of z/OS cost reduction"
Details soon available at: <http://www.cmgitalia.org/>

Tech-support

SUPPORT FOR SYSTEM-MANAGED ASYNCHRONOUS DUPLEXING FOR LOCK STRUCTURES

"Synchronous system-managed duplexing requires that both primary and secondary CFs execute structure-modifying operations in a coordinated manner. Both primary and secondary operations must complete and be evaluated for consistency before the system can return the results of a request to the exploiting application. For highly performance-sensitive operations such as serialization requests directed to lock structures, the performance cost associated with system-managed duplexing may be prohibitive. This is particularly problematic when the primary and secondary CFs are a long distance apart. New function is required to reduce this performance cost.."

More details at:

<http://www-01.ibm.com/support/docview.wss?uid=isg1OA47796>

RECIPES



Orecchiette broccoli e salsiccia

Ingredients

400 g Orecchiette
300 g Broccoli
300 g Sausage
1 Garlic clove
2 Sprigs of Thyme
1 Sprig of Rosemary
Oil
White wine
Pepper
Salt

Method

To prepare orecchiette with broccoli and sausage, started to boil a full pot of salted water. Disconnect from broccoli the tops, then transfer them into boiling water and put a lid on the pot. Cook the vegetables for 6-7 minutes and in the meantime continue with the rest.

Cut finely thyme and rosemary and keep aside. Slit the sausage and remove the casing, pulling it gently with the hands, then mince the sausage with a fork.

Drizzle olive oil a large frying pan and fry the garlic clove, then add the sausage. After a few seconds, add the aromatic and blended herbs chopped meat with white wine.

With the help of a slotted spoon, and not to throw away the cooking water, picked up the cooked broccoli and add them to the meat a little at a time. Cook everything for 3-4 minutes, then remove the garlic with the help of a kitchen tongs.

Let the water where you cooked broccoli reaches the boil and then dropped the pasta and cook. When the pasta is cooked, drain it with a slotted spoon, transferring it directly in the sauce with broccoli and sausage.

Add latest orecchiette also taking a cooking water ladle, then mix well the pasta in the sauce blasting everything in the pan for a few minutes. Orecchiette with broccoli and sausage are ready

QUOTES



“The fragility of crystal is not a weakness but a fineness”

Jon Krakauer, Into the Wild



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