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EPV Technologies Newsletter

Number 06–2014, 30 June 2014

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Past numbers of this newsletter are available on the web at
http://www.epvtech.com
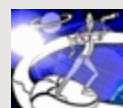
1) Tech Papers - IBM Mobile workload Pricing: Opportunity or Problem ?

On May 6th 2014 IBM announced Mobile Workload Pricing for z/OS (MWP). This new pricing model is designed "to mitigate the impact of mobile workloads on sub-capacity license charges and provide a more cost-competitive software". In simple words IBM wants customers to put mobile applications on z/OS and it will make a discount on the z/OS software costs if this additional workload will increase them.
This announcement is part of the IBM CAMS strategy; where CAMS stays for Cloud, Analytics, Mobile, Social which are expected to be the drivers of the IT growth in the next years.

To take advantage of this pricing model a new application, the Mobile Workload Reporting Tool (MWRT) has to be used instead of SCRT, to submit the WLC monthly reports to IBM.

The other key prerequisites for enabling Mobile Workload Pricing (MWP) for z/OS include:

1. Run one or more of the Mobile Workload Pricing Defining Programs (CICS, IMS, DB2, WebSphere and Websphere MQ latest versions) on a zEC12 or zBC12 server that has implemented sub-capacity pricing under AWLC or AEWLC or alternatively, if you install and operate a zEC12 or zBC12 anywhere in your enterprise, when Mobile Workload Pricing Defining Program are running on a z196 or z114 server that has implemented sub-capacity pricing under AWLC or AEWLC;
2. Run z/OS V1 or z/OS V2
3. Agree to measure and provide the required mobile transaction data on a monthly basis, inclusive of CPU seconds. IBM must approve the process used to capture the records for mobile transactions that will be used for monthly reporting.

Unfortunately, as you can see, IBM didn't set any precise rule for customers to identify and measure mobile applications, leaving them with the burden of putting in place a process, that must be approved by IBM, to collect those measurements.

Albert Einstein used to say that in every problem you can find opportunities. We can humbly say that in this opportunity we expect to find a lot of problems. Managers will want to catch this opportunity and the technical and legal teams, both on the customers' and IBM's side, will have to face the problems.

In this paper we will discuss the technical issues you are most likely to have to face if you want to take advantage of this opportunity.

If you want to receive the paper you can reply to this e-mail writing **"IBM Mobile workload Pricing: Opportunity or Problem ?"** *in the subject*

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2) Tech News - EPV SMF2XL V2

EPV for SMF2XL V2 is now in General Availability.
This version includes the following major enhancements:

1. IMS log records support
2. Support of non-standard SMF records produced by the following products:

   - CONTROL-D;
   - OMEGAMON for CICS;
   - BVIR IBM Virtualization Engine;
   - VTCS StorageTek Virtual Tape Control System;
   - zCOST;

3. advanced mode providing:

- embedded editors for SMF and IMS;
- input filters at the record level on date, time, system, record type by using IFASMFDP like parameters and JCL;
- additional input filters on record field values;
- output filter to select the column to be included in the xlsx files.

If you want to test the product please write to: epv.info@epvtech.com

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3) Tech Support - Important IBM corrections

OA44109: HIGH CPU RASP GLOBAL STEAL SCM
On a system with SCM memory installed and no LFAREA specified the system is experiencing high cpu consumption in the RASPaddress space running the srb for global steal. The system
has very high demand for pageable 1meg frames which is causinghigh paging for these frames to SCM and high stealing and reform of these pageable 1meg frames when there is no fixed
LFAREA to overflow the pageable 1meg demand into.
More details at: http://www-01.ibm.com/support/docview.wss?uid=isg1OA44109

OA44183: EXCESSIVE CPU CONSUMPTION IN *MASTER* DUE TO IAXUR RUNNING FOR PAGEABLE LARGE REFORM.
If a pageable large frame is broken up into 4K frames, some of those 4K frames can be used for long-term fixed frames owned by nonswappable address spaces. If this happens and a later reform
is attempted, this frame cannot be reformed, and IAXUR will reschedule itself every 5 seconds indefinitely. IAXUR should recognize this situation and stop attempting toreform nonreformable large pages.
More details at: http://www-01.ibm.com/support/docview.wss?uid=isg1OA44183

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