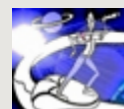


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Past numbers of this newsletter are available on the web at
<http://www.epvtech.com>



1) Tech Papers - WLM: the SYSSTC service class

The Workload Manager (WLM) is an essential component of the z/OS environment.

Its role is to classify the system workloads in user defined service classes and to manage those workloads towards the importance and the goal set for each service class period by the user.

However there are two service classes which are not created by the user: SYSTEM and SYSSTC[1]. These service classes always exist in a z/OS system.

An important characteristic of these service classes is that they don't have a goal so you can't measure a Performance Index for them. They are managed with a very high fixed Dispatching Priority (DP) and I/O Priority (IOP):

- SYSTEM gets 255 for both DP and IOP; this is the highest possible priority; it is used for operative system address spaces;
- SYSSTC gets 254 for both DP and IOP; it is generally used for highly important started tasks processing.

In this paper we will focus on the SYSSTC service class to discuss:

- what is classified in SYSSTC by default;
- what the user can and should do;
- what performance measurements are available and how they can be used.

*If you want to receive the paper you can reply to this e-mail writing " **WLM: the SYSSTC service class**" in the subject*

[1] A third system-provided service class SYSOTHER is used as default service class for non-STC address spaces when no classification rules exist for the subsystem type. It is assigned a discretionary goal.



2) Tech News – EPV Maintenance Newsletter

The first edition of the EPV Maintenance Newsletter has been sent to EPV customers on November 17th. It will be sent monthly in mid-month. It provides information about supported versions of each EPV product and their current maintenance level. In addition Maint.txt file of each product version can be downloaded clicking on the appropriate item in the Maintenance column.

If you are an EPV customer and you want to be included in the distribution list please send an e-mail to: epv.support@epvtech.com



3) Tech Notes - IBM DB2 11 for z/OS Performance Topics

IBM DB2 10 for z/OS provided a strong performance improvement that drove great value for IBM clients. DB2 11 for z/OS continues the trend by focusing on further CPU savings and performance improvement through innovations within DB2 and the synergy with IBM System z hardware and software. Most of CPU reductions are built in directly to DB2, requiring no application changes. Enhancements often take effect after the REBIND in the case of static applications, while some enhancements require user actions such as Data Definition Language (DDL) updates.

DB2 11 CPU reduction can potentially provide significant total cost of ownership savings depending on the application mixture and type of transactions.

In this IBM Redbooks publication we provide the details of the performance of DB2 11 for z/OS discussing the possible performance impacts of the most important functions when migrating from DB2 10.

We include performance measurements made in the Silicon Valley Laboratory and provide considerations and high-level estimates.

Keep in mind that results are likely to vary because the conditions and work will differ.

Download it at: <http://www.redbooks.ibm.com/abstracts/sq248222.html?Open>



4) Tech Support - Important z/OS 2.1 corrections

OA45411: HIGH CPU MASTER

High CPU in Master address space running in module IAXUR processing config storage offline command.

More details at: <http://www-01.ibm.com/support/docview.wss?uid=isq1OA45411>

OA45764: HUNG JOBS OR UNITS OF WORK WAITING FOR REAL STORAGE FRAME PAGEABLE 1MB.

Jobs or units of work may experience long delays when waiting for a pageable 1M real frame to back storage, when in fact the storage has already been backed. In this case, the storage had a page out in progress when the unit of work faulted. This can be the result of separate units of work faulting on the same storage (a pageable large 1MB frame), yet one requestor remained deferred even though the segment had already been validated. The unit of work will remain hung until a real frame becomes available.

More details at: <http://www-01.ibm.com/support/docview.wss?uid=isq1OA45764>

OA45770: INCREASED STORAGE USE BELOW THE 16M LINE MIGRATING TO 2.1

If the user has an AMP coded in the JCL of the job and does not specify RMODE31 in either the AMP or the data class, SMB will force buffers above the line no matter what is specified in the user ACB. However, SMB will not change the user's ACB specification for control blocks.

More details at: <http://www-01.ibm.com/support/docview.wss?uid=isq1OA45770>

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