

## EPV Technologies Newsletter

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### 1) **Tech Papers** - Managing CPU Utilization with WLM Resource Groups - Part 1

At any z/OS site hardware costs are mostly driven by installed CPU capacity while software costs are mostly driven by installed CPU capacity (OTC) and used CPU (MLC). CPU utilization measurement and control is therefore the key factor in order to reduce costs. This is the reason why every company collects a lot of different measurements related to CPU utilization which are the mandatory input to tuning and capacity planning activities.

In addition (and sometimes as an alternative) to tuning and capacity planning, different capping techniques can be exploited to manage CPU utilization in order to reduce costs. If you want to control the amount of CPU used at the LPAR level you can choose between hardware capping and defined capacity. By using group capacity you can also extend the defined capacity mechanism in order to potentially control an entire CEC. However if you want to implement a more granular control on the workloads running inside an LPAR, the only available solution are the WLM resource groups.

While WLM Resource groups exists since many years they have been scarcely used and understood by many customers; in order to make their utilization easier they have been enhanced in z/OS 1.8 by introducing two new resource group types.

In this paper we will discuss all the WLM resource group types showing how to use

them to manage CPU utilization better.

*If you want to receive the paper you can reply to this e-mail writing **"Managing CPU Utilization with WLM Resource Groups - Part 1"** in the subject*

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## **2) Tech News - Upcoming conferences in March**

EPV Technologies will present at the following conferences:

- CECMG Annual Conference, 6-7 March 2013, Gelsenkirchen, Germany

Agenda and subscription form available at: [www.cecmg.de](http://www.cecmg.de)

- "Saving Money by Measuring and Managing CPU Utilization", CMG-Italia seminar, 12 March 2013, Milan

Agenda and subscription form available at: [www.cmqitalia.org](http://www.cmqitalia.org)

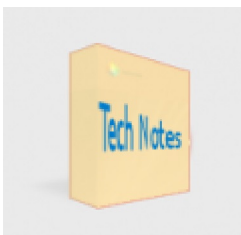
- "Saving Money by Measuring and Managing CPU Utilization", CMG-Italia seminar, 19 March 2013, Rome

Agenda and subscription form available at: [www.cmqitalia.org](http://www.cmqitalia.org)

- "Saving Money on the Mainframe", UKCMG Scottish Regional Meeting, 21 March 2013, Edinburgh

Agenda and subscription form available at: [www.ukcmg.org.uk](http://www.ukcmg.org.uk)

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## **3) Tech Notes - IBM announcements**

The z/OS v2.1 preview can be found at:

<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=ca&infotype=an&appname=iSource&supplier=877&letternum=ENUSZP13-0013>

The z/VM v6.3 preview can be found at:

<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?subtype=ca&infotype=an&appname=iSource&supplier=877&letternum=ENUSZP13-0027>

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