EPV Technologies *Newsletter*	In this number
	1) **Tech Papers - How to Use EPV Indexes** 2) **Tech News - IBM System z Technical Conference** 3) **Tech Notes - IBM WSC White Papers** **z/OS Large Memory Performance Studies** 4) **Tech Support - EPV for z/OS V7 General Availability**
24 Jan 2008 - Number 1	Past numbers of this newsletter are available on the web at **http://www.epvtech.com**

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1) **Tech Papers**	**How to Use EPV Indexes**
Abstract	Fabio Massimo Ottaviani - EPV Technologies

EPV indexes are self adaptive, user specific, rules of thumb and can be a powerful tool for performance analysts if carefully analyzed and interpreted.
They can be used to:
- Check anomalies between systems;
- Check anomalies inside a system;
- Estimate CPU needs for applications in their early development stage;
- Forecast resource needs knowing just one of them.
This paper discusses the EPV Indexes provided in EPV for z/OS version 7 showing how they have been used in some real life situations.

If you want to receive the paper you can reply to this e-mail writing **"How to Use EPV Indexes"** *in the subject*

2) **Tech News**	**IBM System z Technical Conference**

The "IBM System z Technical Conference", to be held in Dresden (Germany) on 5-9 may, is probably the most important technical event in Europe related to z issues. It's a unique opportunity to get first hand news from the IBM development teams and to get performance advices from the most famous IBM performance analysts.
As last year EPV Technologies is proud to contribute to the conference.

More details soon in this newsletter and on the web at:
http://www-304.ibm.com/jct03001c/services/learning/ites.wss/zz/en?pageType=page&c=a0014897

3) Tech Notes	IBM WSC White Papers
	z/OS Large Memory Performance Studies

Reducing DASD I/O and keeping data in memory, close to the actual processing unit, has long been proven to have measurable performance value. It just makes sense to avoid extraneous CPU time and elapsed time managing buffer pools, initiating DASD I/O to retrieve the data, and interrupting the currently executing work unit. Utilizing more real memory essentially eliminates some of those DASD control unit cache read hits because the data can be found in processor memory. The following three workloads were studied :

- *DB2 OLTP*

- *Large and small DB2 data query*

- *Java heap*

The workloads above were tested under IBM laboratory benchmark conditions and were measured using varying configurations of real storage. This paper shows under certain conditions, increasing real storage could help provide performance benefits to these three workloads.

Download at: http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101157

4) Tech Support	EPV for z/OS V7 General Availability

Since January 1st 2008, after 2 months of Managed Availability at customers sites, EPV for z/OS V7 is in General Availability.
Beside the new features, described in the november 2007 newsletter, the look and feel of this version has also been greatly improved.
To require the new version please write to: **epv.info@epvtech.com**.