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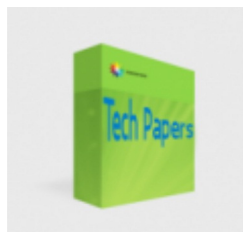
EPV Technologies Newsletter

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http://www.epvtech.com

1) Tech Papers - Using SMF 113 counters to assess IBM zEC12 capacity

At the end of August 2012, IBM announced the new zEC12 machines. As for z196, the only benchmarks available are Low, Average and High RNI. Using the metrics produced by the CPU Measurement Facility and collected in SMF 113 is therefore mandatory in order to correctly assess zEC12 machines capacity.
This paper, after a short description of the zEC12 processor hardware architecture, will describe the new metrics available in SMF 113 for zEC12 and how to use them to understand which of these benchmarks best represents your system workload.

If you want to receive the paper you can reply to this e-mail writing "**Using SMF 113 counters to assess IBM zEC12 capacity**" *in the subject*

2) Tech News - IBM DB2 11 for z/OS Early Support Program

DB2 11 for z/OS expands the value delivered to your business by IBM's industryleading mainframe data server in the following ways.
- Help save money, save time, and reduce costs
- Provide unmatched availability, reliability, and security for business critical information
- Provide enhanced analytics for business growth
- Offer simpler, faster migration for faster ROI

Selected features that deliver these valuable benefits to your business include:
- CPU reductions and performance improvements for certain online transaction processing (OLTP), heavy insert, select query workloads, and when running queries against compressed tables
- Improved-data sharing performance and efficiency
- Improved utility performance and additional zIIP eligible workload
- Cost-effective archiving of warm and cold data with easy access to both within a single query
- Intelligent statistics gathering and advanced optimization technology for efficient query execution in dynamic workloads
- Additional online schema changes that simplify management, reduce the need for planned outages, and minimize the need for REORG
- Productivity improvements for DBAs, application developers, and system administrators
- Efficient real-time scoring within your existing transaction environment
- Enhanced analysis, forecasting, reporting, and presentation capabilities, as well as improved storage management, in QMFTM
- Expanded SQL, SQL PL, temporal, and XML function for better application performance
- Faster migration with application protection from incompatible SQL and XML changes and simpler catalog migration

More details at: http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=AN&subtype=CA&htmlfid=897/ENUS212-364

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3) Tech Notes - EPV Tuning Stories

Problem: DB2 DBD pool failures

Results: The process to migrate to DB2 V10 was improved to avoid errors when migrating other subsystems (especially production DB2).

If you want to know the full story reply to this e-mail writing "**DB2 DBD pool failures**" *in the subject*

4) Tech Support - **IBM APARs for DB2 V10**

PM65360: MSTR SRB time is increased a lot after migrating to V10. There's an internal growth of a storage cache, the management of that cache is causing MSTR CPU to be consumed.
More details at: http://www-01.ibm.com/support/docview.wss?uid=swg1PM65360

PM49816: High DB2 Master CPU noticed on idle system where multiple DB2 V10 are active.
More details at: http://www-01.ibm.com/support/docview.wss?uid=swg1PM49816