

## Want more zIIP from your DB2 Utilities?

Today's economy requires that every financial investment provide the highest return, especially as it relates to your most critical asset - your data. IBM System z is serious about your investment and has provided additional cost savings through increasing zIIP offload capabilities in the DB2 Utilities Suite for z/OS. The IBM System z Integrated Information Processors (zIIP) is a specialty engine that helps System z9 mainframe customers integrate data across the enterprise. Eligible work from z/OS is redirected to the zIIP engine and does not incur software charges by IBM.

DB2 for z/OS Version 8 was the first exploiter of the zIIP engine. DB2 9 for z/OS utilities offered even more reduction in CPU consumption and IBM has committed to reducing CPU consumption with each subsequent release. Much of utility processing involves sorting index keys which can represent a significant amount of data and can consume up to 60% of the utility CPU time in sort processing.

This support provides additional capabilities for exploiting zIIPs with initial testing determining around 50% of the sort CPU time now being offloaded to zIIP when the sort processing selects the memory object sort path. DB2 utilities sorting fixed-length records in the memory object sort path will be eligible for a portion of the workload redirected to a zIIP when one is available. This enhancement should have a potential benefit to almost all utility sort processing since it involves fixed-length records. Only REORG data sorts handle variable length records and are not eligible for the offload. Actual results will vary with the amount of data being sorted and the availability of zIIPs and other system resources.

This expanded zIIP offload capability requires changes to both DB2 and z/OS. You'll need PTF UK48911 for DB2 Version 8 or PTF UK48912 for DB2 9 from APAR PK85889 at <http://www-01.ibm.com/support/docview.wss?uid=swg1PK85889> and PTF UK48846 for z/OS V1.10 from APAR PK85856 at <http://www-01.ibm.com/support/docview.wss?uid=isg1PK85856> or go thru normal support channels.