CIMS Lab, Inc.

CIMS Capacity Planner

Release Notes

Version 6.0

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Release Notes for CIMS Capacity Planner 6.0

Overview

CIMS Capacity Planner (CPPR) version 6.0 is a major release. The primary enhancement for this release is a new file type for the Performance Database.

PDSE Performance Database Changed

The biggest change is the structure of the Performance Database. Prior versions of CPPR used BSAM to store and retrieve tables. The new 6.0 version uses a PDSE library to hold all of the tables in the database. There are several reasons for this change:

- PDSE allows the database to expand to fill a full volume as opposed to the limitation of 64K tracks allowed by BSAM.
- PDSE allows a data set to be extended up to 128 times as opposed to the 16 extents allowed by BSAM.
- PDSE reuses idle space more efficiently than BSAM and eliminates the need for a Reorganization Utility (DUTLRORG).
- The new library structure preserves integrity in the Performance Database by permitting the system to easily isolate and remove a single member (table) found to be fragmented.
- Fragmentation is identified and dealt with more resolutely if an ABEND occurred during data reduction. A flag in the Contents Member of the PDSE Library indicates whether or not the Performance Database was being updated when an error occurred.
- PDSE uses VSAM as its underlying access method whereas BSAM is an old technology.
- Conversion utilities permit the user to easily migrate historical BSAM Performance Databases to the new PDSE format. Conversely, utilities have been included that allow the user to migrate the PDSE Performance Database back to a BSAM format should the user choose to remain at a level prior to version 6.0.
- The INDEX file that has been used to provide rapid access to the tables in the ONLINE file has been retained.
- During data reduction, the SYSUT3 file continues to use BSAM to access the tables, thus preserving the flexibility and speed of that component. Once the processing of the input file has completed and the tables are ready to be stored permanently, the Integrity Flag is toggled on to indicate that the SYSUT3 tables are in the process of being committed to the PDSE library. When that commitment process has finished, the Integrity Flag is toggled off.
- The PDSE form of the Performance Database has all of the above advantages but does not require significantly greater DASD space than the BSAM form. Initial results indicate that a growth of 5 to 7 percent in the space required for the ONLINE file can be expected. Similarly, the amount of CPU time required to store and retrieve data has increased minimally. Initial reports of a 5 percent increase in CPU usage have been reported. Elapsed times appear to be about the same as well. Thus, the virtually immediate response time users have grown to expect from the ISPF interface will continue.

Updates and Fixes

Monthly Summary Table Support

The management reporting capability is one of the major advantages of CPPR. The availability of Monthly Summary Tables in the Performance Database will improve the accuracy of specific data in graphs that provide monthly statistics. The Summary program, SSA1SUMM, has traditionally been used to build Weekly Summary Tables. Although the Weekly Summary facility remains available, an option has been added to create Monthly Summary Tables.

DB2® GMT Offset

If you are using DB2® 6 or later, you no longer need to supply the `GMT OFFSET`. The adjustment for GMT will be received dynamically from the DB2 100 and 101 SMF records.

UNIX® MeasureWare Support

CPPR now supports UNIX® MeasureWare.

SSA1TMNX - TMON Extract CIMS Server Support

To support CIMS Server, data is now formatted to be viewed on the Web.

SSA1PDBD - Deleting a PDB Table

Added support for table element deletes.

Conversion

The Performance Database files must be converted prior to using version 6.0.

Current Maintenance

All maintenance fixes to version 5.3 and support for new releases of third-party products (i.e., IMS, DB2, etc.) have been incorporated into version 6.0.