

KOMAND CCS Support for CICS TS 3.2

IBM has changed the TS 3.2 CPU timer units and the size of the field, as well as the data format. Earlier versions of CICS reported CPU time in 16 Microsecond Timer Units in an eight byte field. The new TS 3.2 reports in plain Microseconds in a twelve byte field with a different format. IBM reports this new format as being more accurate and expects most people will notice an increase in CPU time. If you are using a combination of TS 3.2 and earlier versions of CICS and your version of KOMAND CCS is earlier than V600, you will need to set up separate runs of KOMCCS, one for the TS 3.2 data and one for any earlier CICS data.

KOMCCS now produces CPU Time in Seconds. You can make any adjustments to make different units by changing the Field Entry for the multiplier value.

If all CICS data is from the same version level or you have KOMCCS V600, you only need to run once. However, if you're charging for combined data, you do need new "CHRG" control statements as described below:

We suggest the following in preparation for TS 3.2 charging with KOMCCS V600:

1. Install KOMCCS V600. The new V600 Dictionary file has the VSAM key updated to include a release value.
2. Find out which Regions (APPLIDs) are TS 3.2 (if not all of them).
3. For this example, calculate your rate based upon a "Second" of CPU time.
4. Create a FLD entry for a "SPCL" statement to assign the Charge-code of "TS32" to any APPLID that is at the TS 3.2 level. For example: "001 APPLID SPCL CICSTS32,TS32". This will make any record with an Application-id of "CICSTS32" be assigned the CHRG entry of "TS32". Substitute your actual APPLID/Region name for the example. You may have up to 50 SPCL entries. Keep in mind the order of SPCL entries is very important. Once a record passes a test for SPCLs it is finished. Do any desired "DROP" processing first.
5. Make a CHRG entry for Charge-code "TS32". You may keep all the same items as your current system with the following changes. The FIELDnn for any CPU time needs to have a divisor of 4096 and NO multiplier as was previously used. For example: FIELD01=(.50/4096,CPUSECONDS,,,910). This entry has a \$.50 rate where the utilization is divided by 4096 to shift off unnecessary data, a field-name of "CPUSECONDS", and a Resource code of 910. Of course, you would change the rate, the field name and resource code to what you want. This will make the CPU time units "Seconds" with 5 decimal places.
6. Create other non-TS 3.2 CHRG statements as you would have for prior releases of KOMCCS. The FIELDnn for CPU time will look like: FIELD01=(.50/1000000,CPUSECONDS,,,910,,16). This has the same \$.50 rate per second, a divisor of 1,000,000 to make the utilization into seconds and the multiplier of 16 to get out of the 16 Microsecond Timer Units. The field-name and resource code are the same as above examples.