

CTSS BULLETIN #68

December 18, 1964

Identification

Off-line processing
RQUEST

Implementation

An additional request has been added to RQUEST, namely CARRY. A review of the entire command is included in this bulletin.

Purpose

The contents of the disk files are periodically dumped on tape so that a history is maintained in order that user's files may be retrieved in case of machine malfunction or deletion from the disk because of obsolescence. Requests may be submitted to the dispatcher to print or punch current files, retrieve and reload a history file onto the disk, or send a current file to the other machine for reloading and updating. (Mac or Center). These requests may be submitted as punched control cards or the RQUEST command from the console will prepare the files and control cards.

Usage

RQUEST CONTROL NAME1 NAME2 OP

CONTROL=PRINT: The BCD file NAME1 NAME2 is printed off-line. If the file is not line marked, a blank word is inserted at the beginning of the line to insure single spacing and the first 84 characters of the record are printed. If the file is line-marked, the first character is the carriage control character and the next 131 characters are printed.

CONTROL=DPUNCH: The BCD file NAME1 NAME2 is punched off-line. If the file is line-marked, just the first 80 characters per line of data will be punched.

CONTROL=BPUNCH: The binary card image file NAME1 NAME2 will be punched off-line. The 7-9 punch and checksums should already be included in the card image file.

CONTRL=7PUNCH: The file NAME1 NAME2 (of any format) will be punched off-line in a special card format which may be reloaded by the disk loader to reproduce the file exactly. The file is not deleted from the user's directory.

CONTROL=DELETE: The file NAME1 NAME2 will be deleted from the current file directory. If OP is 'CARDS', the file will be punched in 7PUNCH format before deletion. This is one means of deleting an R2 file.

CONTROL=CHMODE: The mode of file NAME1 NAME2 will be changed to OP. OP may be 0,1,2, or 3 for temporary, permanent, R1 or R2, respectively. If the new mode is temporary, the track count will be adjusted. (Temporary files are not counted against the user's track quota.)

CONTRL=STAT: The statistics available in the file directory will be printed off-line: file name, mode, data-last-used, document number, number of tracks used.

CONTRL=CARRY: The file NAME1 NAME2 will be carried to the other computer and will be loaded onto the disk during the next load or update. It will be loaded as permanent mode, as the same name NAME1 NAME2, within the same problem-programmer file directory. If a different problem-programmer specification is desired for the receiving file directory OP may be PROB PROG, i.e., the desired problem programmer numbers. If a different file name is desired, OP may be PROB PROG NAM1 NAM2, where PROB PROG must be the problem programmer numbers for the receiving file directory and NAM1 NAM2 may be the name given to the input file.

The file NAME1 NAME2 on this machine is in no way changed. Any previous versions of the file on the receiving machine will be deleted regardless of mode.

Machine

The RQUEST command creates or appends to a file in the user's file directory called REQUES T.FILE. This file contains control card images which will be processed by the disk dump program. After processing, the disk dump program will delete REQUES T.FILE from the user's directory. If the user wishes to change REQUES T.FILE, he must delete it and reissue the desired RQUEST commands. Note that RQUES T.FILE contains only the control cards which point to the actual files to be processed. The disk dump routine, upon processing the request files, will generate four different tapes: printer, punch, history and carry. These tapes are then the responsibility of the operations staff.