LOGOFF/3000

by:
Earl E. Colmer, Jr.
Automated Sciences Group, Inc.

LOGOFF/3000

Unlike the big mainframes, and many other minis, Hewlett Packard does not have the capability to logoff jobs or sessions that have been inactive for a given period of time. This causes such problems as inaccurate bills for time sharing customers, Data Processing students running out of connect time, and of course your favorite MPE error message 'UNABLE TO OBTAIN VIRTUAL MEMORY.'.

LOGOFF/3000 can be tailored to your individual site at run time. The Systems Manager can specify the number of CPU seconds to be checked at every suspend interval. That is, activate the program once every interval (say in this case 60 minutes) and check to see if the job or session has exceeded the check CPU time (in this case 5 seconds). With these parameters every job or session that has not exceeded 5 CPU seconds in 60 minutes would be logged off. LOGOFF/3000 also allows you five entries in an Identification Table. One such entry would look like this ',MANAGER.SYS,', which means do not logoff MANAGER.SYS from the system no matter what his CPU time might be. Another such entry would be ',.sys,' which means do not logoff anybody from the SYS account. All jobs or sessions are checked against the system, if a process associated with that job or session has an outstanding request such as UCOP, RIT, etc. that job or session will not be logged off.

All jobs or sessions logged off will have an entry put into a log file (ABORTLOG.PUB.SYS). A report program is provided (LISTALOG.PUB.SYS) to report on all entries put into this file. Information retrieved from this file is as follows;

> jobname, user, account, group logon date & time, logoff date & time, last CPU check, this CPU check, check CPU time, and program suspend time.

LOGOFF/3000 can be run at a session (not advisable), streamed as a job, or created and activated by a process handler. System requirements are minimal, the program runs with an 800 word stack (128 word DL MINUS included!), and uses approximately .2 of a CPU second every hour, (assuming that your suspend time is 60 minutes).