

To: Multics Performance Log

From: A. Sekino

Subject: Results of Daily Multics Performance Measurements  
(Period = September 25 through September 26)

Date: October 1, 1969

The results of daily Multics performance measurements made on September 25 and 26 are given below. During this period, the drastic performance improvements in CPU time, real time (response time), and the number of page faults were observed by the PDP-8 measurement runs. These improvements were caused by

- (1) Installation of new traffic controller
- (2) Installation of standard service commands
- (3) Per process segment reduction
- (4) Typewriter DIM fixes
- (5) Etc.

time unit = second  
average = per interaction

Date	Run No.	No. of Users	system	Total CPU time	Total No. of P. F.	Total real time	Average CPU time	Average No. of P. F.
9/25	MPM46	24	4.0	55.525	2696	2610	.841	40
9/25	MPM47	24	4.0	53.778	2928	2610	.814	44
9/25	MPM48	18	4.0	45.862	2581	2370	.694	39
9/26	MPM49	22	4.0	54.642	2732	2550	.827	41
9/26	MPM50	20	4.0	49.504	2608	2430	.750	39

Notes:

1. In MPM46 and MPM47, the standard service commands were used, with the exception of "setacl" and "remove" replacing "deleteforce".
2. In MPM48 and MPM50, the full standard service commands were used ("setacl" and "remove" were replaced by "deleteforce").
3. In MPM49, the older command set was used; the older versions of "rename", "list", and "delete" with "setacl" were used.

The quantitative comparison between the current system and the former systems will be given after more measurements of the current system will be made.

AS/bm