

MPL-22

TO: Multics Performance Log
FROM: A. Sekino
SUBJECT: Results from Modified Scripts (MFTN3 and CMAD3)
DATE: July 14, 1969

The twin standard scripts newly created (MFTN3 for MULTICS and CMAD3 for CTSS) were run successful for the first time. The results of the performance analysis for both runs (MULTICS run and CTSS run) are given on the following pages. As for the detail of the scripts see the note "The scripts used in a PDP-8 performance measurement" of July 11, 1969.

Comparison of Run Time

Before Minishell
After Minishell = 1.20

After Minishell = 1.25
CTSS

-- MULTICS PERFORMANCE ANALYSIS --

COMMAND	TIME	CPU TIME	NO. OF P.F.
login	1649	9.387	317
edm	1658	9.545	622
fortran	1700	9.225	359
edm	1705	4.203	301
fortran	1706	5.946	255
rename	1707	2.395	127
print	1708	1.452	105
a_prime\$prime	1709	3.258	168
list	1710	2.628	124
setacl	1712	3.657	205
remove	1712	2.172	121
edm	1722	7.231	523
fortran	1723	5.677	238
edm	1728	3.798	291
fortran	1729	5.798	277
rename	1730	1.262	79
print	1731	1.306	90
b_prime\$prime	1732	2.196	107
list	1733	1.098	67
setacl	1734	1.089	74
remove	1734	1.422	76
logout			

-- SUMMARY --

TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO. OF P. F.	NO. OF INTER- ACTIONS	AVERAGE CPU TIME	AVERAGE NO. OF P. F.
75.358	2670	4209	66	1.141	63

CPMOO
 users = 8
 7/10/69
 CMAD3

-- CTSS PERFORMANCE ANALYSIS --

USER NO	COMMAND	WAIT TIME	RUN TIME	SWAP TIME
0	login	-2254.9--	5.466	.866
	comfil	66	.133	.150
	edl	36	1.950	3.633
	mad	552	.816	.216
	edl	60	.850	.066
	mad	288	1.066	1.083
	rename	36	1.783	1.000
	print	42	.566	.600
	loadgo	72	7.166	1.683
	listf	90	.833	.483
	delete	42	1.500	.916
	edl	42	.833	.783
	mad	552	.883	.233
	edl	60	.833	.866
	mad	264	1.016	1.250
	rename	42	1.250	.750
	print	54	.333	.750
	loadgo	72	8.516	.800
	listf	78	1.033	.783
	delete	48	1.250	.500
	logout	24		

-- SUMMARY --

USER NO	TOTAL RUN TIME	TOTAL SWAP TIME	TOTAL REAL TIME	NO OF INTER- ACTIONS	AVERAGE RUN TIME	AVERAGE SWAP TIME	AVERAGE WAIT TIME
0	32.477	24.395	2418	66	.492	.369	36