

MPM60
 # users = 28
 11/6/69
 MFTN3
 4.5

***** MULTICS PERFORMANCE ANALYSIS *****

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1510	5.708	204
	edm	1520	7.048	377
	fortran	1522	4.992	198
	edm	1528	3.812	209
	fortran	1529	5.017	223
	rename	1530	1.821	89
	print	1530	1.150	59
	a_prime\$prime	1532	3.995	173
	list	1533	1.225	55
	df	1534	1.644	87
	edm	1544	6.541	347
	fortran	1545	3.457	133
	edm	1550	3.951	219
	fortran	1551	3.520	156
	rename	1552	.896	43
	print	1553	1.029	61
	b_prime\$prime	1554	2.622	112
	list	1555	.715	42
	df (1556	.947	43
	logout			

***** SUMMARY *****

USER NO	TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO OF P.F.	NO OF INTER-ACTIONS	AVERAGE CPU TIME	AVERAGE WAIT TIME	AVERAGE NO OF P.F.
USER 0	54.382	2730	2626	66	.823	—	39

MPM61

users = 23

11/7/69

MFTN3

4.6

***** MULTICS PERFORMANCE ANALYSIS *****

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1347	5.230	180
	edm	1357	6.765	420
	fortran	1358	5.142	202
	edm	1403	3.213	187
	fortran	1404	4.935	243
	rename	1405	1.216	60
	print	1406	.814	48
	a_prime\$prime	1408	3.800	149
	list	1409	1.215	74
	df	1410	1.388	80
	edm	1419	5.598	361
	fortran	1420	3.503	141
	edm	1425	3.081	188
	fortran	1426	3.289	148
	rename	1427	.996	63
	print	1428	.811	47
	b_prime\$prime	1429	2.319	122
	list	1430	.760	40
	df	1431	.584	36
	logout			

***** SUMMARY *****

USER NO	TOTAL CPU TIME	TOTAL REAL TIME	TOTAL NO OF P.F.	NO OF INTER-ACTIONS	AVERAGE CPU TIME	AVERAGE WAIT TIME	AVERAGE NO OF P.F.
USER 0	49.429	2610	2609	66	.748	—	39

Note: 1 drum error occurred.

rm\$inc apt
 tcm all
 fsm

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	77777777777777777	2:25.8	000100000004	756017015624	16:05.1	016101000002
	756017015633	2:10.5	000100000002	756017015733	1:38.7	200100000002
	756017015674	2:24.1	200100000002	756017017247	8	001100000004
	756017016026	21.3	001100000004	756017016043	41.5	034100000002
	756017016055	25.5	300100000000	756017016146	2:12.4	000100000002
	756017017012	41.1	034100000001	756017016131	2:07.5	000100000002
	756017016165	36.9	001100000004	756017016177	32.3	001100000004
	756017016743	36.2	300100000000	756017016241		001100000004
	756017016254	1:47.6	300100000000	756017016273	42.5	001100000004
	756017016773	27.6	320100000000	756017017057	67.9	001100000004
FDP8	756017017036	<u>48.6</u>	300100000000	756017016364	6.5	001100000004
	756017017161	92.7	300100000000	756017016447	8.7	001100000004
	756017016576	2:25.3	034100000002	756017017267	7	300100000000
	756017017207	13.8	300100000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
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	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	000000000000		000000000000	000000000000		000000000000
	r 1434	4.889	120			

Total metering time 0:47:43

Ave queue length(X10)	73
Max eligible	3
Te min (seconds)	4
Ti max (seconds)	8

IDLE TYPE	TIME	%
Total idle	0:17:33	37
Multi-prog idle	0:17:33	37
Non-multi-prog idle	0: 0: 0	0
Zero idle	0: 0: 0	0

COUNTER	TOTAL	ATB
Loadings	1412	2028
Blocks	1268	2258
Wakeups	1308	2189
Waits	73534	38
Notifies	148204	19
Schedulings	1428	2005
Interactions	1139	2514
Pre-empts	56451	50

Time	%Int	%Cum	Ave
0.0	65	65	249
0.5	16	81	739
1.0	7	88	1246
1.5	3	91	1762
2.0	2	93	2351
2.5	1	94	2813
3.0	1	95	3263
3.5	1	96	3915
4.0	1	97	4415
4.5	1	98	4922
5.0	0	98	5439
5.5	1	99	5836
6.0	0	99	6489
6.5	0	99	6871
7.0	0	99	7168
7.5	2	101	7883

DEPTH	%PF	TBPF	%GTW	TBS	%CPU
1	34	26	31	22	36
2	33	26	35	19	35
3	33	21	34	16	29

r 1435 1.821 37

File System Meters

Deact count	6422
Ast grace	0:53.980
Used ASTs	253
Free ASTs	0
Held ASTs	88
Steps	801279
Needc	179613
Ave.steps	4
Ceiling	10
Laps	4000
Skip wired	7558
Skip used	520419
Skip mod	92857
Skip os	832
No. pages	179
Wired pages	17
Drum left	! 770
Drum reads	159814
Drum writes	84948
Drum errors	
Non-fatal	1
Fatal	0
Disk left	1194
Disk reads	15318
Disk writes	8403
Disk errors	
Non-fatal	0
Fatal	0

r 1436 1.441 48

hmu
17 users, 30 maximum
r 1437 .375 23

File System Meters

Deact count	3012
Ast grace	1:13.282
Used ASTs	239
Free ASTs	0
Held ASTs	116
Steps	434412
Needc	95536
Ave.steps	4
Ceiling	0
Laps	2177
Skip wired	4224
Skip used	285751
Skip mod	48513
Skip os	388
No. pages	179
Wired pages	17
Drum left	624
Drum reads	84689
Drum writes	44593
Drum errors	
Non-fatal	0
Fatal	0
Disk left	1096
Disk reads	7713
Disk writes	4144
Disk errors	
Non-fatal	0
Fatal	0

r 1344 2.358 87

hmu
24 users, 30 maximum
r 1345 .372 17