

M/PM54
 #Users = 27
 10/28/69
 MFTN3
 4.4 F

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

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1528	5.658	211
	edm	1538	6.855	400
	fortran	1539	5.825	242
	edm	1545	3.813	217
	fortran	1546	5.589	273
	rename	1547	1.626	83
	print	1547	1.331	73
	a_prime\$prime	1549	4.734	242
	list	1550	1.997	151
	df	1551	1.460	99
	edm	1600	7.269	455
	fortran	1602	4.711	233
	edm	1608	3.898	241
	fortran	1608	3.450	147
	rename	1609	.893	39
	print	1610	1.172	66
	b_prime\$prime	1612	2.663	114
	list	1613	.977	49
	df	1613	.940	47
	logout			

10.2, 515

6.11, 261

***** 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	59.203	2670	3171	66	.897	—	48

tcm all

Total metering time 1:50:22

Ave queue length(X10) 114
Max eligible 4
Te min (seconds) 4
Ti max (seconds) 8

MPM54
10/28/69

IDLE TYPE	TIME	%
Total idle	0:32:50	30
Multi-prog idle	0:29:32	27
Non-multi-prog idle	0: 0:47	1
Zero idle	0: 1:39	1

COUNTER	TOTAL	ATB
Loadings	2978	2223
Blocks	2741	2416
Wakeups	2908	2277
Waits	201306	32
Notifies	390324	16
Schedulings	3037	2180
Interactions	2272	2914
Pre-empts	137476	48

Time	%Int	%Cum	Ave
0.0	55	55	271
0.5	17	72	738
1.0	9	81	1253
1.5	4	85	1796
2.0	3	88	2299
2.5	2	90	2816
3.0	2	92	3350
3.5	1	93	3807
4.0	1	94	4419
4.5	1	95	4925
5.0	1	96	5381
5.5	1	97	5909
6.0	1	98	6384
6.5	0	98	6996
7.0	0	98	7347
7.5	2	100	7951

DEPTH	%PF	TBPF	%GTW	TBS	%CPU
1	26	24	24	20	28
2	27	24	28	18	29
3	24	23	26	16	24
4	23	19	23	14	19

r 1613 2.954 88

hmu
23 users, 30 maximum
r 1613 453 22

hmu
28 users, 30 maximum
r 1615 .649 35

rm\$inc apt

Initial → 777777777777	2:01.1	214100000002	755653140711	14:38.4	016101000002	← Idle Process
EPL → 755653140720	1:12.0	200100000002	755653140732	1:05.2	034100000002	← Backup
Print → 755653140744	2:15.8	200100000002	755653142044	19.6	001100000004	
755653141027	1:15.4	200100000002	755653141632	58.2	001100000004	
755653141053	1:36.5	200100000002	755653141071	1:19.8	001100000004	
755653141221	54.1	001100000004	755653142220	83.1	001100000004	
755653141326	5.1	001100000004	755653141150	1:09.6	200100000002	
755653141577	1:00.8	001100000004	755653141176	1:20.3	000100000002	
755653141235	38.7	001100000004	755653141266	25.1	001100000004	
755653141345	24.1	001100000004	755653142007	<u>56.8</u>	001100000004	← PDP-8
755653141412	44.3	300100000000	755653142026	49.2	034100000001	
755653141612	1.3	001100000004	755653141543	13.2	001100000004	
755653142425	61:68.7	001100000004	755653142136	1:22.4	001100000004	
755653142241	50.3	034100000002	755653142121	1:16.5	001100000004	
755653142154	1:31.5	001100000004	755653142305	44.6	001100000004	
755653142330	11.8	300100000000	000000000000		000000000000	
000000000000		000000000000	000000000000		000000000000	
000000000000		000000000000	000000000000		000000000000	
000000000000		000000000000	000000000000		000000000000	
000000000000		000000000000	000000000000		000000000000	
000000000000		000000000000	000000000000		000000000000	
r 1617 5.264	132					

MPM55
 # users = 23
 10/29/69
 MFTN 3
 4.4 F

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

USER NO	COMMAND	TIME	CPU TIME	NO OF P.F.
0	login	1618	5.203	173
	edm	1627	6.618	397
	fortran	1628	4.756	176
	edm	1634	3.048	192
	fortran	1635	5.171	233
	rename	1635	(1.400	80
	print	1636	.792	41
	a_prime\$prime	1638	3.592	145
	list	1638	.907	57
	df	1639	1.351	68
	edm	1649	6.947	408
	fortran	1650	3.399	135
	edm ← crash			

***** 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	37.981	1932	66	575	29		

27.635 1230 1389 33 .836 — 42 first half

Note 1. # Eligibility = 3 It seems that # eligibility = 3 gives much better result than # eligibility = 4.