

MPM 85
#users = 21

1/26/70

MFT-N3

-- MULTICS PERFORMANCE ANALYSIS --

COMMAND	TIME	CPU TIME	NO. OF P.F.
login	1519	5.092	192
edm	1528	5.427	350
fortran	1529	5.180	250
edm	1534	3.450	224
fortran	1535	4.763	204
rename	1535	1.126	77
print	1536	.848	51
a_prime\$prime	1538	3.587	157
list	1538	.900	53
setacl } df	1539	1.423	81
remove			
edm	1548	5.313	360
fortran	1549	3.997	172
edm	1554	4.080	286
fortran	1555	4.319	210
rename	1555	.940	55
print	1556	.829	56
b_prime\$prime	1557	2.125	100
list	1558	.786	46
setacl } df	1559	1.043	72
remove			
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.
50.136	2370	2804	66	.759	42

MPM85

```

rm$inc apt
7777777777777 3:13.7 000100000004 757460624555
757460624564 3:50.1 000100000002 757460624604
757460624625 4:12.1 200100000002 757460631577
757460631027 3:42.2 001100000004 757460632224
757460632451 63:00.8 000100000002 757460632077
757460632041 61:00.4 100100000000 757460631544
757460631630 35.4 034120000001 757460632061
757460632202 3.8 200100000002 757460626675
757460627336 2:14.3 001100000004 757460626403
757460632434 12.6 001100000004 757460631000
757460632343 6.3 300100000000 757460632356
757460632414 61:96.6 001100000004 757460631725
757460632317 4.9 001100000004 757460632137
PDP8 757460631743 50.5 300100000000 000000000000
000000000000 000000000000 000000000000
000000000000 000000000000 000000000000
000000000000 000000000000 000000000000
QUIT
r-1602 .623 42
  
```

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5:03.3 016101000002
46.1 200100000002
1:44.6 001100000004
75.3 200100000002
1 001100000004
22.6 014100000002
2:14.7 200100000002
2:09.5 001100000004
001100000004
1:03.8 001100000004
61:83.0 001100000004
39.8 001100000004
1:07.2 300100000000
000000000000
000000000000
000000000000
000000000000
  
```

tcm all

Total metering time 0:43:49

Ave queue length(X10) 61
 Max eligible 3
 Te min (seconds) 2
 Ti max (seconds) 8

IDLE TYPE	TIME	%
Total idle	0: 5:29	13
Multi-prog idle	0: 5:29	13
Non-multi-prog idle	0: 0: 0	0
Zero idle	0: 0: 0	0

COUNTER	TOTAL	ATB
Loadings	1994	1318
Blocks	1289	2039
Wakeups	1270	2070
Waits	99880	26
Notifies	193677	13
Schedulings	2047	1284
Interactions	1107	2375
Pre-empts	66459	39

Time	%Int	%Cum	Ave
0.0	61	61	279
0.5	21	82	745
1.0	7	89	1239
1.5	3	92	1778
2.0	1	93	2285
2.5	0	93	2956
3.0	1	94	3342
3.5	1	95	3797
4.0	0	95	4285
4.5	1	96	4894

5.0	1	97	5367
5.5	0	97	5349
6.0	0	97	6154
6.5	0	97	6863
7.0	0	97	7168
7.5	2	99	7919

DEPTH	%PF	TBPF	%GTW	TBS	%CPU
1	45	24	38	20	47
2	33	24	37	15	35
3	23	18	25	12	18

r 1603 2.571 80

hmu
 PO(7, 15), P1(12, 12), P2(4, 6); Total: 23 users, 30 max.
 r 1604 .324 16

fsm -a

Total metering time 0:40:53

Deactivations	3426
Ast grace	0:00:32
Used ASTs	241
Free ASTs	0
Held ASTs	112

	#	ATB
Faults	100637	24.376 msec.
Steps	442117	5.548 msec.
Ceiling	0	
Lans	2234	1.098 sec. ←
Skip wired	10858	225.932 msec.
Skip used	279943	8.763 msec.
Skip mod	50592	48.489 msec.
Skip os	87	28197.414 msec.

177 pages, 20 wired.
 Average steps 4.393

	DRUM	DSU270	DS10
Left	1176	4576	3178
Reads	91140	6471	1334
ATB	26.916	379.102	1838.961
Writes	45717	4677	426
ATB	53.660	524.518	5758.626
ATB I/O	17.925	220.055	1393.849
% Cpcy	11	22	14
N Errors	0	1	2
F Errors	0	0	0

r 1605 2.149 69

hmu
 PO(7, 15), P1(12, 12), P2(4, 6); Total: 23 users, 30 max.
 r 1605 .434 26