



IBM TotalStorage®

# TAPE MOUNT MONITOR

August 15, 2005



## Tape Activity Monitor & Reporter

# Tape Mount Monitor

- MOUNTMON
  - ▶ Monitors all tape activity - library, manual, virtual
  - ▶ Samples tape UCB fields every 1 second (user defined)
  - ▶ Runs from an APF authorized library
  - ▶ Should run continuously
  - ▶ Writes statistics record for each volume allocation
  - ▶ Logs to SMF or "flat file" (user defined)
    - input to MOUNTRPT or TAPEWISE (identify RECALL datasets)
  - ▶ Uses very little CPU overhead, but needs high priority
  - ▶ Started task or batch job
  - ▶ Can issue WTO alert for "long" mount pending times (customer defined)
  - ▶ Can issue WTO alert for a job using too many drives

## Mount Monitor control parameters (MNTGROUP)

```

*           MOUNTMON ALERT PARAMETERS
* NAME THE ADDRESS RANGE AND SET MOUNT PENDING LIMIT. WTO WILL BE
* ISSUED IF THE LIMIT IS EXCEEDED.
* MOUNTMON ALERT: VOLSER=S12868 ON 3C28 EXCEEDED 900 SECOND LIMIT
* MOUNTMON MAXDR: TESTJOB1 EXCEEDS VTS1 MAXDR= 5. USING 7.
* MOUNTMON ALERT: VOLSER=volser ON CUA RUNNING NNN% DISCONNECT
*
*           USER      -ADDRESS-  LIMIT_SEC  MAX MAX
*           NAME      1ST      LAST   SPC   SCR  DRV %DISC
* TGROUP=VTS1      34B0   34EF   300   10   5  60; <= USER NAME (1-8 CHAR)
* TGROUP=MANUAL   16E0   16EF   600  120   4  50; <= USER NAME (1-8 CHAR)
* TGROUP=REMOTE   0420   042F   900  180   4  60; <= USER NAME (1-8 CHAR)
* REMOVE THE '*' FROM COLUMN 1 ON TGROUP TO ACTIVATE.

```

# Tape Mount Reporter

- MOUNTRPT
  - ▶ Sorts data, produces reports
    - Jobname or Tape group name sequence
  - ▶ User defined address range groupnames
  - ▶ User selectable reporting interval
  - ▶ Can select by jobname or unit address
  - ▶ Detail reporting
  - ▶ Summary reporting
  - ▶ Distribution reporting

## Tape Mount Reporter (MOUNTRPT)

- Some of the questions answered by the reports
  - ▶ How many tape mounts are we doing?
    - How many scratch?
    - How many specific?
    - How many by system?
    - How many by device type?
  - ▶ How long does it take to mount a tape?
  - ▶ How long are tapes allocated?
  - ▶ How many drives are being used at any time?
    - **Most accurate reporting of concurrent drive usage**
  - ▶ Which jobs are allocating too many drives?

# Tape Mount Reporter

- Output Reports
  - ▶ DTLRPT - Detail activity report of each Volume Allocation.
  - ▶ OVLRPT - Allocations that appear to Overlap between systems.
  - ▶ ALCRPT- Maximum concurrently allocated drives.
  - ▶ #IORPT - Hourly Specific(I) and Scratch(O) mounts by TGROUP.
  - ▶ GRPRPT - Hourly mounts for each TGROUP.
  - ▶ SYSRPT - Hourly mounts for each SYSID.
  - ▶ HRSRPT - Hourly maximum concurrently allocated drives.
  - ▶ MTPRPT - Distribution of Mount Pending times.
  - ▶ USERPT - Distribution of Volume Allocation times.
  - ▶ JOBRPT - Spc, scr, total mounts by jobname.
  - ▶ CUARPT - Mounts by address and percent of time drive allocated.
  - ▶ MAXRPT - JOBS using more than "N" drives concurrently.
  - ▶ ACTRPT - Activity Summary by SYSID and Total.
  - ▶ PCTRPT - Hourly concurrent drives allocated at the XX percent.
  - ▶ MAMRPT - Min/avg/max mount pending by hour
  - ▶ PLXRPT - Summary by sysplex within TGROUP
  - ▶ RTERPT - Mount arrival rate
  - ▶ SUMRPT - Summary by TGROUP and SYSID
  - ▶ SFTRPT - Mounts by shift
- You can request ALL reports or individual reports.

# Mount Monitor Report control parameters

```
TGROUP=VTS1      0D00  0D3F;    <= USER DEFINED TAPE GROUP
*TGROU=WSCMVS   5DE0  5DEF;    <= USER DEFINED TAPE GROUP
*TGROU=WSCMVS   4C00  4C0F;    <= USER DEFINED TAPE GROUP
*TGROU=RALEIGHV 3C00  3C4F;    <= USER DEFINED TAPE GROUP
*TGROU=RALEIGHM 0500  05FF;    <= USER DEFINED TAPE GROUP
```

**DEFINE Tape Groups.** If device address is not included in TGROUP, then TGROUP will default to Device Type.

...  
...

```
TGRPSYMBOL= VTS1  V;    <== SYMBOL TO USE FOR THIS TGROUP ON GRPRPT
TGRPSYMBOL= 3420  R;    <== SYMBOL TO USE FOR THIS TGROUP ON GRPRPT
TGRPSYMBOL= 3480  8;    <== SYMBOL TO USE FOR THIS TGROUP ON GRPRPT
TGRPSYMBOL= 3490  9;    <== SYMBOL TO USE FOR THIS TGROUP ON GRPRPT
TGRPSYMBOL= 3590  M;    <== SYMBOL TO USE FOR THIS TGROUP ON GRPRPT
```

**DEFINE Symbols to represent reporting by TGROUP.**

...  
...

```
SIDSYMBOL= PRO4 4;    <== SYMBOL TO USE FOR THIS SYSID ON SYSRPT
SIDSYMBOL= PRO3 3;    <== SYMBOL TO USE FOR THIS SYSID ON SYSRPT
SIDSYMBOL= 90#B B;    <== SYMBOL TO USE FOR THIS SYSID ON SYSRPT
```

**DEFINE Symbols to represent reporting by System ID.**

...

```
REPORT= OVL ALC #IO GRP SYS HRS MTP USE CUA MAX SUM RTE;
*REPORT= ALL;                <== REQUESTED REPORTS
```

**Request individual reports or request ALL reports.**

**Reporting is controlled by the user and is very flexible.  
Only request the reports you want.**

# DTLRPT - SEQ=JOB shows elapsed time for all job steps using tape.

**Request this report if there is a tape problem.      Select the TIME interval (start and end).**

```

1 (C) IBM      REPORT=DTLRPT (05197)          TAPE MOUNT MONITOR - DETAIL ACTIVITY REPORT          RUN ON 15AUG2005 @ 15:57:41          114
  SEQ=JOB      TGROUP=
0  ALLOC      ALLOC      MOUNT      MOUNT      REW TO      ALLOC      MVS
   SDATE      STIME      DELAY      PENDING     DEALOC     LENGTH FLGS  SID  JESNO JOBNAME  STEPNAME  TY VOLSER CUA  DEVT  PEND  DISC  CONN  PCT
   10JUN02    21:03:07    :00.5     :02.0     :02.6      :18      A168  23289 PDB13C  PDB13C  SC 780947 0F33 PVTS  .1   1.2   1.0  14.3

   10JUN02    20:04:36    :00.5     :01.5     :04.3      1:38      A168  22872 PDB13D  PDB13D  SC 759088 0F2B PVTS  1.3   1.0  69.4  73.9

   10JUN02    21:01:47    :00.5     :01.0     :03.2      1:19      A168  23257 PDB13D  PDB13D  SC 780241 0F1B PVTS  1.0   1.1  65.3  86.4

   10JUN02    20:02:38          :01.0     :04.4      :47      A168  22810 PDB13E  PDB13E  SC 758766 0FFF PVTS  .3   3.0   5.5  19.1

   10JUN02    20:04:15    :00.5     :01.0     :06.3      2:19      A168  22861 PDB13F  PDB13F  SC 772203 0F3A PVTS  1.6   2.3 109.1  81.8

   10JUN02    20:05:06          :01.0     :03.9      :21      A168  22874 PDB13H  PDB13H  SC 759108 0F23 PVTS  .2   1.8   .8  14.0

   10JUN02    20:04:36    :00.5     :02.0     :04.5      :28      A168  22878 PDB13H  PDB13H  SC 759098 0FF2 PVTS  .1   1.6   .7   9.2

   10JUN02    20:12:46    :01.0     :01.5     :02.0      2:49      A168  22938 PDB13I  PDB13I  SC 773139 0FC9 PVTS  3.1   2.1 147.8  91.0
   10JUN02    20:15:35    :02.0     :01.5     :02.0      3:13      A168  22938 PDB13I  PDB13I  SC 759876 0FC9 PVTS  3.2   1.6 167.2  89.5
   10JUN02    20:18:48    :01.0     :01.0     :03.2      1:12      A168  22938 PDB13I  PDB13I  SC 773765 0FC9 PVTS  1.2   1.1  59.6  87.1
       3 MOUNTS          :04.0 MPEND          7:14 ELAPSED          3 ALLOCATIONS          :01.3 AVG MPEND

   10JUN02    20:12:46    :00.5     :01.0     :02.0      2:49      A168  22937 PDB13J  PDB13J  SC 772735 0FCB PVTS  3.0   1.5 149.7  91.7
   10JUN02    20:15:35    :01.5     :02.0     :02.0      3:06      A168  22937 PDB13J  PDB13J  SC 773231 0FCB PVTS  3.3   3.1 161.5  91.2
   10JUN02    20:18:41    :01.0     :01.0     :03.1      2:35      A168  22937 PDB13J  PDB13J  SC 773239 0FCB PVTS  2.4   1.3 137.4  91.6
       3 MOUNTS          :04.0 MPEND          8:30 ELAPSED          3 ALLOCATIONS          :01.3 AVG MPEND

   10JUN02    20:12:46    :00.5     :01.5     :02.5      2:49      A168  22935 PDB13K  PDB13K  SC 773081 0F02 PVTS  2.7   1.4 148.4  90.7
   10JUN02    20:15:35    :01.5     :01.5     :02.0      2:53      A168  22935 PDB13K  PDB13K  SC 759868 0F02 PVTS  2.5   1.2 149.1  88.8
   10JUN02    20:18:28    :01.0     :01.0     :02.0      3:20      A168  22935 PDB13K  PDB13K  SC 759904 0F02 PVTS  3.1   1.4 182.0  93.7
   10JUN02    20:21:48    :01.0     :02.0     :03.5      :23      A168  22935 PDB13K  PDB13K  SC 774017 0F02 PVTS  .2   .1  14.4  70.0
       4 MOUNTS          :06.0 MPEND          9:25 ELAPSED          4 ALLOCATIONS          :01.5 AVG MPEND
    
```



# OVLRPT - MOUNT RPT

(C) IBM REPORT=OVL RPT

TAPE MOUNT MONITOR - ALLOCATION TIME OVERLAP REPORT  
DEVELOPMENT TESTING

RUN ON 25OCT1999 @ 14:21:38

1

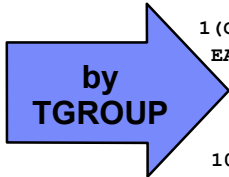
CUA	SYSID	JOBNAME	ALLOC SDATE	ALLOC STIME	ALLOC EDATE	ALLOC ETIME	SYSID	JOBNAME	ALLOC SDATE	ALLOC STIME	ALLOC EDATE	ALLOC ETIME	OVERLAP
0320	CSYS	ABARSCR	28SEP99	1:43:55	28SEP99	1:53:16	KPJ0	S6Z	28SEP99	1:53:14	28SEP99	1:56:29	:02
0320	A168	PGAKFB	29SEP99	5:01:33	29SEP99	5:05:50	CSYS	PAE10A	29SEP99	5:05:45	29SEP99	5:08:19	:05
0321	A168	PIL80F	28SEP99	15:49:19	28SEP99	15:49:56	KPJ0	ICV54CA3	28SEP99	15:49:56	28SEP99	15:50:33	:00
0321	A168	PGAKFB	29SEP99	5:01:33	29SEP99	5:05:50	CSYS	PAE10A	29SEP99	5:05:45	29SEP99	5:08:42	:05
0323	A168	PCMPSC	28SEP99	22:46:10	28SEP99	22:54:11	CSYS	PCI20A	28SEP99	22:54:09	28SEP99	22:56:49	:02
0325	A168	PCMPSC	28SEP99	22:46:10	29SEP99	4:17:27	CSYS	PSRCDA	29SEP99	4:17:22	29SEP99	4:18:10	:05
0326	A168	PCMPSC	28SEP99	22:46:10	29SEP99	5:01:59	CSYS	ABARSCR	29SEP99	5:01:55	29SEP99	5:02:42	:04
0331	CSYS	PBR02AB	28SEP99	19:47:35	28SEP99	20:06:48	A168	PCO30D	28SEP99	20:06:44	28SEP99	20:07:10	:04
0331	A168	PNC00B	29SEP99	3:01:12	29SEP99	3:08:11	KPJ0	IC337R29	29SEP99	3:08:11	29SEP99	3:10:34	:00
0331	A168	PTPKAA	29SEP99	10:00:36	29SEP99	10:02:07	KPJ0	IC745HTP	29SEP99	10:02:06	29SEP99	10:26:59	:01
0332	CSYS	PMI0KV	29SEP99	5:23:48	29SEP99	8:29:04	KPJ0	IC745HTO	29SEP99	8:29:02	29SEP99	8:32:11	:02
0333	CSYS	PBR02AA	28SEP99	19:07:20	28SEP99	19:50:45	A168	PSWPC033	28SEP99	19:50:44	28SEP99	19:53:18	:01
0333	A168	PCO30D	28SEP99	21:06:38	28SEP99	21:17:23	CSYS	PMP00H	28SEP99	21:17:20	28SEP99	21:18:11	:03
0333	CSYS	PMI0KV	29SEP99	5:23:48	29SEP99	8:29:04	KPJ0	IC745HTO	29SEP99	8:29:02	29SEP99	8:36:22	:02
0335	CSYS	PMP02W	28SEP99	9:03:44	28SEP99	11:51:29	KPJ0	IC436F	28SEP99	11:51:28	28SEP99	11:53:04	:01

Allocation over-lap occurs because of TOD clock differences between systems or MOUNTMON is not running with a high enough dispatching priority.

Records are adjusted to remove over-lap before reporting.

# ALCRPT - Maximum concurrently allocated drives during the interval (user defined).

**How many tape drives am I using in this tape group? Do I have enough tape drives?**

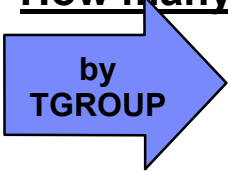


```

1 (C) IBM REPORT=ALCRPT (05197) MOUNT RPT ANALYSIS - CONCURRENT DRIVE ALLOCATION RUN ON 15AUG2005 @ 13:37:22 3
EARLIEST TIMESTAMP = 10JUN2002 @ 0:00:02 DEVELOPMENT TESTING LATEST TIMESTAMP = 10JUN2002 @ 23:59:54
GRPNAME=PVTS INTERVALSEC= 3600
INTERVAL MOUNT MAX 1 2 3 4 5 6 7 8 9 0
DATE START REQ ALLOC -----0-----0-----0-----0-----0-----0-----0-----0-----0-----0
10JUN02 0:00:00 316 42 *****
10JUN02 1:00:00 234 51 *****
10JUN02 2:00:00 106 26 *****
10JUN02 3:00:00 220 47 *****
10JUN02 4:00:00 198 58 *****
10JUN02 5:00:00 158 37 *****
10JUN02 6:00:00 128 23 *****
10JUN02 7:00:00 58 14 *****
10JUN02 8:00:00 123 16 *****
10JUN02 9:00:00 104 20 *****
10JUN02 10:00:00 47 19 *****
10JUN02 11:00:00 38 10 *****
10JUN02 12:00:00 79 14 *****
10JUN02 13:00:00 126 21 *****
10JUN02 14:00:00 95 13 *****
10JUN02 15:00:00 183 24 *****
10JUN02 16:00:00 110 25 *****
10JUN02 17:00:00 151 39 *****
10JUN02 18:00:00 109 26 *****
10JUN02 19:00:00 169 20 *****
10JUN02 20:00:00 217 19 *****
10JUN02 21:00:00 158 18 *****
10JUN02 22:00:00 81 17 *****
10JUN02 23:00:00 72 11 *****
    
```

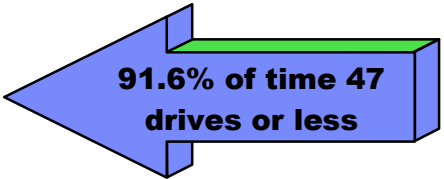
# ALCRPT - Distribution of concurrent allocations.

**How many tape drives am I using in this tape group? Do I have enough tape drives?**



```

1 (C) IBM REPORT=ALCRPT (05197) MOUNTPT ANALYSIS - CONCURRENT DRIVE ALLOCATION RUN ON 15AUG2005 @ 13:37:22 4
EARLIEST TIMESTAMP = 10JUN2002 @ 0:00:02 DEVELOPMENT TESTING LATEST TIMESTAMP = 10JUN2002 @ 23:59:54
GRPNAME=PVTS INTERVALSEC= 3600
0 DRIVES NUMBER OF PCT OF ACCUM ACCUM
ALLOC INTERVALS INTERVALS INTERVALS PERCENT
0 10 1 4.1% 1 4.1%
11 1 4.1% 2 8.3%
13 1 4.1% 3 12.5%
14 2 8.3% 5 20.8%
16 1 4.1% 6 25.0%
17 1 4.1% 7 29.1%
18 1 4.1% 8 33.3%
19 2 8.3% 10 41.6%
20 2 8.3% 12 50.0%
21 1 4.1% 13 54.1%
23 1 4.1% 14 58.3%
24 1 4.1% 15 62.5%
25 1 4.1% 16 66.6%
26 2 8.3% 18 75.0%
37 1 4.1% 19 79.1%
39 1 4.1% 20 83.3%
42 1 4.1% 21 87.5%
47 1 4.1% 22 91.6%
51 1 4.1% 23 95.8%
58 1 4.1% 24 100.0%
    
```





# HRSRPT - distribution

Distribution of maximum hourly concurrent allocations.

by  
TGROU

```

1(C) IBM REPORT=HRSRPT (05197)          TAPE MOUNT MONITOR - MAXIMUM ALLOCATION BY HOUR          RUN ON 15AUG2005 @ 13:37:24          4
      GRPNAME=PVTS                      DEVELOPMENT TESTING
      EARLIEST ALLOCATION = 10JUN2002 @ 0:00:02          LATEST ALLOCATION = 10JUN2002 @ 23:59:54

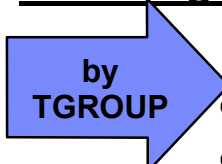
0  MAX  NUMBER  PCT  ACCUM  ACCUM
   ALLOC OF HRS  OF HRS  HOURS  PCT
0  10    1      4.1%  1     4.1%
   11    1      4.1%  2     8.3%
   13    1      4.1%  3    12.5%
   14    2      8.3%  5    20.8%
   16    1      4.1%  6    25.0%
   17    1      4.1%  7    29.1%
   18    1      4.1%  8    33.3%
   19    2      8.3%  10   41.6%
   20    2      8.3%  12   50.0%
   21    1      4.1%  13   54.1%
   23    1      4.1%  14   58.3%
   24    1      4.1%  15   62.5%
   25    1      4.1%  16   66.6%
   26    2      8.3%  18   75.0%
   37    1      4.1%  19   79.1%
   39    1      4.1%  20   83.3%
   42    1      4.1%  21   87.5%
   47    1      4.1%  22   91.6%
   51    1      4.1%  23   95.8%
   58    1      4.1%  24  100.0%

```

0

# MTPRPT - Distribution of mount pending times for total, specific, and scratch.

**How long does a mount take? How long does a scratch mount take?  
How long does a specific mount take?**



```
(1(C) IBM REPORT=MTPRPT (05197)                TAPE MOUNT MONITOR - MOUNT PENDING DISTRIBUTION                RUN ON 15AUG2005 @ 13:37:25                2
START=10JUN2002 @ 0:00:02                                END=10JUN2002 @ 23:59:54
GRPNAME=PVT5
```

MNT PEND INTERVAL	TOTAL MOUNTS	INTERVAL PERCENT	ACCUM MOUNTS	ACCUM PERCENT	DEVELOPMENT TESTING				SCRATCH MOUNTS	INTERVAL PERCENT	ACCUM MOUNTS	ACCUM PERCENT
					SPECIFIC MOUNTS	INTERVAL PERCENT	ACCUM MOUNTS	ACCUM PERCENT				
<= .5 SEC	945	28.8%	945	28.8%	781	48.0%	781	48.0%	164	9.9%	164	9.9%
<= 1 SEC	1427	43.5%	2372	72.3%	532	32.7%	1313	80.8%	895	54.0%	1059	63.9%
<= 2 SEC	628	19.1%	3000	91.4%	171	10.5%	1484	91.3%	457	27.6%	1516	91.6%
<= 3 SEC	119	3.6%	3119	95.0%	30	1.8%	1514	93.1%	89	5.3%	1605	96.9%
<= 4 SEC	46	1.4%	3165	96.4%	26	1.6%	1540	94.7%	20	1.2%	1625	98.1%
<= 5 SEC	21	0.6%	3186	97.1%	13	0.8%	1553	95.5%	8	0.4%	1633	98.6%
<= 7 SEC	12	0.3%	3198	97.5%	3	0.1%	1556	95.7%	9	0.5%	1642	99.2%
<= 10 SEC	24	0.7%	3222	98.2%	12	0.7%	1568	96.4%	12	0.7%	1654	99.9%
<= 15 SEC	4	0.1%	3226	98.3%	3	0.1%	1571	96.6%	1	0.0%	1655	100.0%
<= 20 SEC	1	0.0%	3227	98.3%	1	0.0%	1572	96.7%				
<= 30 SEC	8	0.2%	3235	98.6%	8	0.4%	1580	97.2%				
<= 40 SEC	1	0.0%	3236	98.6%	1	0.0%	1581	97.2%				
<= 50 SEC	2	0.0%	3238	98.7%	2	0.1%	1583	97.4%				
<= 60 SEC	2	0.0%	3240	98.7%	2	0.1%	1585	97.5%				
<= 90 SEC	15	0.4%	3255	99.2%	15	0.9%	1600	98.4%				
<= 2 MIN	11	0.3%	3266	99.5%	11	0.6%	1611	99.1%				
<= 3 MIN	11	0.3%	3277	99.9%	11	0.6%	1622	99.8%				
<= 4 MIN	2	0.0%	3279	99.9%	2	0.1%	1624	99.9%				
<= 5 MIN	1	0.0%	3280	100.0%	1	0.0%	1625	100.0%				
<= 8 MIN												
<= 10 MIN												
<= 20 MIN												
<= 30 MIN												
<= 45 MIN												
<= 60 MIN												
> 60 MIN												

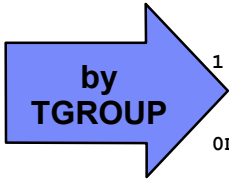
  

<p>:02.59 AVG MPEND</p>	<p>:03.96 AVG MPEND</p>	<p>:01.23 AVG MPEND</p>
-------------------------	-------------------------	-------------------------



# CUARPT - MOUNTRPT

Percent of time drive was busy, idle, or not allocated.



```

1(C) IBM REPORT=CUARPT (05197) TAPE MOUNT MONITOR - DRIVE ADDRESS UTILIZATION RUN ON 15AUG2005 @ 13:37:26 2
GRPNAME=PVTS DEVELOPMENT TESTING
REPORT START = 10JUN2002 @ 0:00:02 <--- 86392 SEC ---> REPORT END = 10JUN2002 @ 23:59:54
ODRIVE NUMBER NUMBER %TIME_ALC 1 2 3 4 5 6 7 8 9 0
ADDR MOUNTS ALLOCS IN_INVTL -----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
0 OF00 15 20 6.5% CAAAAA
OF01 10 12 1.7% CA
OF02 17 18 10.1% CCAAAAAA
OF03 4 5 4.1% CAAA
OF04 15 21 6.1% CAAAAA
OF05 15 18 14.1% CCAAAAAAAAAA
OF06 13 19 3.5% CCAA
.
OFC0 109 111 33.1% PPCCCCCCCCCCCCCAAAAAAAAAAAAAAAAAA
OFC1 79 84 43.1% PPCCCCCCCCCCCCCAAAAAAAAAAAAAAAAAA
OFC2 106 109 38.2% PPCCCCCCCCCCCCCAAAAAAAAAAAAAAAAAA
OFC3 157 161 39.9% PPCCCCCCCCCCCCCAAAAAAAAAAAAAAAAAA
OFC4 89 90 36.8% PPCCCCCCCCCCCCCAAAAAAAAAAAAAAAAAA
OFC5 102 107 26.3% PPCCCCCCCCCAAAAAAAAAA
.
OFF8 14 17 4.8% DAAAA
OFF9 15 19 13.4% PCCCAAAAAAAAA
OFFA 16 17 3.4% CAA
OFFB 10 11 11.6% PCCAAAAAAAA
OFFC 5 5 0.7% A
OFFD 14 15 5.7% CAAAA
OFFE 8 10 4.1% CAAA
OFFF 11 14 3.6% PCAA
( 127) 3280 3616
0 P=%TRANSFER PENDING, D=%DISCONNECTED, C=%CONNECTED, M=%MOUNT PENDING, A=%ALLOCATED, READY, NO ACTIVITY
|
    
```



# MAXRPT - Shows jobs using more than "n" drives concurrently.

## What JOBS are using too many tape drives?

```

1(C) IBM REPORT=MAXRPT (05197)
SEQ=JOB GRPNAME=
0 JOB JOB JOB MVS
SDATE STIME ETIME LENGTH FLG SID JOBNAME JESNUM
010JUN02 1:24:29 23:07:39 21:43:10 A168 DFHSMAR 29136
10JUN02 0:05:04 23:54:18 23:49:14 CSYS DFHSMCR 28921
10JUN02 4:23:27 4:36:02 12:35 CSYS PCI71M 18529
10JUN02 13:06:58 19:09:02 6:02:04 CSYS PCMEVA 20793
10JUN02 19:06:33 19:08:42 2:09 A168 PIL00A 22503
10JUN02 19:04:54 19:05:59 1:05 A168 PIL80F 22497
10JUN02 22:02:19 22:03:43 1:24 CSYS PKA01VA 23584
10JUN02 9:19:29 12:33:24 3:13:55 A168 PMIOKZ 19939
10JUN02 23:00:26 23:01:26 1:00 A168 PMIOKZ 23810
10JUN02 21:34:39 21:43:00 8:21 CSYS PMP0KXA 23455
10JUN02 0:09:45 9:05:44 8:55:59 A168 PMX0ZC 16936
10JUN02 14:05:52 16:49:20 2:43:28 CSYS PRF42A 21051
10JUN02 9:49:45 9:51:49 2:04 CSYS PRP32X 20057
10JUN02 16:29:56 17:18:46 48:50 CSYS PRXM3L 21663
10JUN02 13:16:10 16:25:13 3:09:03 CSYS PRXWKF 20859

```

```

RUN ON 15AUG2005 @ 16:20:42
MAXDR LIMIT= 6

```

1

# MAXRPT - Distribution of maximum number of concurrently allocated drives per job.

## How many JOBS are using too many tape drives?

```
1(C) IBM REPORT=MAXRPT (05197)          TAPE MOUNT MONITOR - MAXIMUM ALLOCATION BY JOB          RUN ON 15AUG2005 @ 16:20:42          2
SEQ=JOB      GRPNAME=          _____ DEVELOPMENT TESTING _____          MAXDR LIMIT=      6
0      MAX      NUMBER
      ALLOC  OF JOBS
0      1      761
      2      505
      3      152
      4      59
      5      32
      6      23
      7      11
      8      1
      9      1
     10      1
     13      1
```

# SUMRPT -

Shop summary, by shift, showing number of mounts and average mount pending times.

1 (C) IBM REPORT=SUMRPT (05197)		TAPE MOUNT MONITOR - SUMMARY BY GRPNAME / SYSID												RUN ON 15AUG2005 @ 13:37:26				1			
START=10JUN2002 @ 0:00:02		DEVELOPMENT TESTING												END=10JUN2002 @ 23:59:54							
0		00:00 ----SHFT1----				08:00 ----SHFT2----				16:00 ----SHFT3----				24:00				-----TOTAL-----			
GRPNAME	SYSID	SPCFC	AVG	SCRITCH	AVG	SPCFC	AVG	SCRITCH	AVG	SPCFC	AVG	SCRITCH	AVG	SPCFC	AVG	SCRITCH	AVG				
		MNTS	MPND	MNTS	MPND	MNTS	MPND	MNTS	MPND	MNTS	MPND	MNTS	MPND	MNTS	MPND	MNTS	MPND				
OK9490	MVS1	22	:19.7	56	:23.9	4	:12.4	7	:16.1	14	:13.5	15	:23.4	40	:16.8	78	:23.1				
	MVS2	5	:14.4			3	:14.7			3	:13.8	1	:15.5	11	:14.3	1	:15.5				
	TOTAL	27	:18.7	56	:23.9	7	:13.4	7	:16.1	17	:13.5	16	:22.9	51	:16.2	79	:23.0				
OPVTS	A168	244	:02.5	340	:01.2	123	:01.3	178	:01.0	146	:01.0	289	:01.1	513	:01.8	807	:01.1				
	CSYS	380	:06.6	270	:01.2	245	:01.8	215	:01.0	314	:07.5	298	:01.2	939	:05.7	783	:01.1				
	KPJ0	65	:00.8	3	:01.8			2	:01.2			2	:01.0	65	:00.8	7	:01.4				
	MVS1	61	:00.7	33	:01.4	31	:01.0	1	:01.0	14	:00.7	4	:01.0	106	:00.8	38	:01.3				
	MVS2	2	:01.5	20	:05.6									2	:01.5	20	:05.6				
	TOTAL	752	:04.3	666	:01.4	399	:01.6	396	:01.0	474	:05.3	593	:01.1	1625	:03.9	1655	:01.2				
OTVTS	A168	71	:34.6	106	:01.6	14	:00.9	41	:01.5	30	1:02	128	:01.3	115	:37.7	275	:01.4				
	CSYS	80	:13.8	82	:01.7	62	:01.9	95	:01.2	94	:17.7	111	:01.2	236	:12.3	288	:01.4				
	KPJ0			18	:01.1	8	:01.2	6	:01.2	7	:00.7	3	:01.1	15	:01.0	27	:01.2				
	MVS1	5	:00.7	5	:02.3	3	:00.5	1	:01.0	4	:01.1			12	:00.7	6	:02.0				
	MVS2	5	:00.7	2	:01.5	3	:01.1			3	:00.6	1	:01.0	11	:00.8	3	:01.3				
	TOTAL	161	:22.2	213	:01.6	90	:01.6	143	:01.3	138	:25.7	243	:01.2	389	:18.7	599	:01.4				
03480	A168	4	:00.0	5	:10.0			1	:12.5					4	:00.0	6	:10.4				
	CSYS	10	:00.0	25	:13.5			2	:09.7			6	:13.9	10	:00.0	33	:13.4				
	TOTAL	14	:00.0	30	:12.9			3	:10.6			6	:13.9	14	:00.0	39	:12.9				
03590	A168	150	:20.0	5	:52.0	56	:17.1	1	:54.2	65	:27.1	1	:58.6	271	:21.1	7	:53.2				
	CSYS	254	:19.7	8	1:00	43	:21.1	1	:51.2	155	:14.8	2	:53.5	452	:18.2	11	:58.2				
	KPJ0									3	:22.7			3	:22.7						
	MVS1	57	:22.7			33	:19.1			26	:22.7			116	:21.7						
	TOTAL	461	:20.2	13	:57.1	132	:18.9	2	:52.7	249	:18.9	3	:55.2	842	:19.6	18	:56.3				
09490	A168	143	:14.4	370	:14.7	204	:33.1	198	:17.6	58	:16.0	329	:16.5	405	:24.0	897	:16.0				
	CSYS	314	:20.1	629	:14.3	185	:32.1	414	:16.8	191	:19.6	551	:14.5	690	:23.1	1594	:15.0				
	KPJ0	14	:33.6	28	:12.3									14	:33.6	28	:12.3				
	TOTAL	471	:18.8	1027	:14.4	389	:32.6	612	:17.0	249	:18.8	880	:15.2	1109	:23.6	2519	:15.3				
09840	A168	31	:15.1	40	:15.5	41	:22.4	30	:15.4	43	:21.5	34	:14.6	115	:20.1	104	:15.2				
	CSYS	43	:18.0	25	:18.0	36	:14.2	15	:16.0	16	:13.5	19	:14.9	95	:15.8	59	:16.5				
	KPJ0									2	:25.2			2	:25.2						
	TOTAL	74	:16.8	65	:16.5	77	:18.5	45	:15.6	61	:19.5	53	:14.7	212	:18.2	163	:15.7				
0OVER-ALL	TOTAL	1960	:13.6	2070	:09.5	1094	:16.0	1208	:09.9	1188	:14.2	1794	:08.8	4242	:14.4	5072	:09.3				

Sequence by TGRPOUP NAME then SYSID

# SUMRPT -

Shop summary, by shift, showing number of mounts and average mount pending times.

```

1(C) IBM REPORT=SUMRPT (05197)                TAPE MOUNT MONITOR - SUMMARY BY SYSID / GRPNAME        RUN ON 15AUG2005 @ 13:37:26        1
START=10JUN2002 @ 0:00:02                    DEVELOPMENT TESTING                                         END=10JUN2002 @ 23:59:54
0
00:00 ----SHFT1---- 08:00      08:00 ----SHFT2---- 16:00      16:00 ----SHFT3---- 24:00      -----TOTAL-----
   SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG
SID  GRPNAME  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND
OA168 PVTS      244 :02.5   340 :01.2   123 :01.3   178 :01.0   146 :01.0   289 :01.1   513 :01.8   807 :01.1
      TVTS       71 :34.6   106 :01.6    14 :00.9    41 :01.5    30 1:02    128 :01.3   115 :37.7   275 :01.4
      3480        4 :00.0     5 :10.0     1 :12.5     1 :12.5     1 :12.5     4 :00.0     6 :10.4
      3590       150 :20.0    5 :52.0    56 :17.1    1 :54.2    65 :27.1    1 :58.6    271 :21.1    7 :53.2
      9490       143 :14.4   370 :14.7   204 :33.1   198 :17.6    58 :16.0   329 :16.5   405 :24.0   897 :16.0
      9840        31 :15.1    40 :15.5    41 :22.4    30 :15.4    43 :21.5    34 :14.6   115 :20.1   104 :15.2
      TOTAL     643 :13.4   866 :08.0   438 :20.1   449 :09.5   342 :16.4   781 :08.3  1423 :16.2  2096 :08.4
OCSYS PVTS      380 :06.6   270 :01.2   245 :01.8   215 :01.0   314 :07.5   298 :01.2   939 :05.7   783 :01.1
      TVTS       80 :13.8    82 :01.7    62 :01.9    95 :01.2    94 :17.7   111 :01.2   236 :12.3   288 :01.4
      3480       10 :00.0    25 :13.5    2 :09.7     2 :09.7     6 :13.9    10 :00.0    33 :13.4
      3590       254 :19.7    8 1:00     43 :21.1    1 :51.2   155 :14.8    2 :53.5   452 :18.2    11 :58.2
      9490       314 :20.1   629 :14.3   185 :32.1   414 :16.8   191 :19.6   551 :14.5   690 :23.1  1594 :15.0
      9840        43 :18.0    25 :18.0    36 :14.2    15 :16.0    16 :13.5    19 :14.9    95 :15.8    59 :16.5
      TOTAL    1081 :14.5  1039 :10.4   571 :13.8   742 :10.2   770 :13.3   987 :09.1  2422 :14.0  2768 :09.9
OKPJO PVTS       65 :00.8     3 :01.8     2 :01.2     2 :01.2     7 :00.7     2 :01.0    65 :00.8     7 :01.4
      TVTS        18 :01.1     8 :01.2     6 :01.2     6 :01.2     3 :01.1     3 :01.1    15 :01.0    27 :01.2
      3590        3 :22.7     3 :22.7     3 :22.7     3 :22.7     3 :22.7     3 :22.7     3 :22.7     3 :22.7
      9490       14 :33.6    28 :12.3    14 :33.6    14 :33.6    14 :33.6    14 :33.6    14 :33.6    14 :33.6
      9840        2 :25.2     2 :25.2     2 :25.2     2 :25.2     2 :25.2     2 :25.2     2 :25.2     2 :25.2
      TOTAL     79 :06.6    49 :07.6     8 :01.2     8 :01.2    12 :10.3     5 :01.1    99 :06.6    62 :06.2
OMVS1 K9490    22 :19.7    56 :23.9     4 :12.4     7 :16.1    14 :13.5    15 :23.4    40 :16.8    78 :23.1
      PVTS       61 :00.7    33 :01.4    31 :01.0    1 :01.0    14 :00.7    4 :01.0   106 :00.8    38 :01.3
      TVTS        5 :00.7     5 :02.3     3 :00.5     1 :01.0     4 :01.1     4 :01.1    12 :00.7     6 :02.0
      3590       57 :22.7    33 :19.1    33 :19.1    33 :19.1    26 :22.7    26 :22.7   116 :21.7   116 :21.7
      TOTAL    145 :12.2    94 :14.9    71 :10.0     9 :12.8    58 :13.7    19 :18.7   274 :12.0   122 :15.3
OMVS2 K9490     5 :14.4     3 :14.7     3 :14.7     3 :14.7     3 :13.8     1 :15.5    11 :14.3     1 :15.5
      PVTS        2 :01.5    20 :05.6     2 :01.5    20 :05.6     2 :01.5    20 :05.6     2 :01.5    20 :05.6
      TVTS        5 :00.7     2 :01.5     3 :01.1     3 :01.1     3 :00.6     1 :01.0    11 :00.8     3 :01.3
      TOTAL     12 :06.5    22 :05.3     6 :07.9     6 :07.9     6 :07.2     2 :08.2    24 :07.0    24 :05.5
OOVER-ALL TOTAL 1960 :13.6  2070 :09.5  1094 :16.0  1208 :09.9  1188 :14.2  1794 :08.8  4242 :14.4  5072 :09.3
    
```

Sequence by SYSID then TGROUP NAME







# ACTRPT - Activity Summary - mount activity by SID/TGROUP

```

1(C) IBM REPORT=ACTRPT (05197)          TAPE MOUNT MONITOR - ACTIVITY SUMMARY BY SID/TGROUP          RUN ON 15AUG2005 @ 13:37:27          1
START=10JUN2002 @ 0:00:02                DEVELOPMENT TESTING                END=10JUN2002 @ 23:59:54
% OF TGROUP @ 95% IS (NUM DRIVES NEEDED @ 95% ACCUM DRIVE ALLOCATION) / (NUM DRIVES DEFINED IN TGROUP)
DRIVE ALLOC INDEX (DAI) IS ACCUM % DRIVE ALLOCATION AT PEAK-1 DRIVES          INTERVALSEC= 3600          24 INTERVALS
0
  TGROUP/          SPCFC          SRCH          TOT          NUMBER          DIFF          PEAK          PEAK          # INT          % INT          NUM          % OF          % AT
  SYSID DEVTYPE    MOUNTS MPND    MOUNTS MPND    MOUNTS MPND    TGROUP SEEN    ALLOC    TGROUP    PEAK    AT    ALOC    TGROUP    PEAK-1
OALL  K9490          51 :16.2          79 :23.0          130 :20.4          80          12          7          8.7%          2          8.3%          7          8.7%          91.6%
      PVTs          1625 :03.9        1655 :01.2        3280 :02.5        128         127         58         45.3%         1          4.1%         58         45.3%         95.8%
      TVTS          389 :18.7          599 :01.4          988 :08.2          64          64          15         23.4%         1          4.1%         15         23.4%         95.8%
      3480          14 :00.0           39 :12.9           53 :09.5           32           4           3           9.3%         1          4.1%         3           9.3%         95.8%
      3590          842 :19.6          18 :56.3           860 :20.4          32          32          22         68.7%         1          4.1%         22         68.7%         95.8%
      9490          1109 :23.6         2519 :15.3         3628 :17.9         100         84          56         56.0%         1          4.1%         56         56.0%         95.8%
      9840          212 :18.2          163 :15.7          375 :17.1          32          32          32         100.0%         2          8.3%         32         100.0%         91.6%
      OVER-ALL     4242 :14.4         5072 :09.3         9314 :11.6
OA168 PVTs          513 :01.8          807 :01.1         1320 :01.4         128         127          32         25.0%         1          4.1%         32         25.0%         95.8%
      TVTS          115 :37.7          275 :01.4          390 :12.1          64          63          13         20.3%         1          4.1%         13         20.3%         95.8%
      3480           4 :00.0            6 :10.4            10 :06.2           32           3           1           3.1%         2          8.3%         1           3.1%         91.6%
      3590          271 :21.1           7 :53.2            278 :21.9          32          32           8         25.0%         1          4.1%         8         25.0%         95.8%
      9490          405 :24.0          897 :16.0         1302 :18.5         100         82          26         26.0%         1          4.1%         26         26.0%         95.8%
      9840          115 :20.1          104 :15.2          219 :17.8          32          32          13         40.6%         3         12.5%         13         40.6%         87.5%
      SID-TOT     1423 :16.2         2096 :08.4         3519 :11.6
OCSYS PVTs          939 :05.7          783 :01.1         1722 :03.6         128         127          32         25.0%         1          4.1%         32         25.0%         95.8%
      TVTS          236 :12.3          288 :01.4          524 :06.3          64          64          15         23.4%         1          4.1%         15         23.4%         95.8%
      3480           10 :00.0           33 :13.4           43 :10.2           32           4           3           9.3%         1          4.1%         3           9.3%         95.8%
      3590          452 :18.2           11 :58.2           463 :19.1          32          32          14         43.7%         1          4.1%         14         43.7%         95.8%
      9490          690 :23.1         1594 :15.0         2284 :17.5         100         84          41         41.0%         1          4.1%         41         41.0%         95.8%
      9840           95 :15.8           59 :16.5           154 :16.1          32          32          22         68.7%         1          4.1%         22         68.7%         95.8%
      SID-TOT     2422 :14.0         2768 :09.9         5190 :11.8
OKPJ0 PVTs           65 :00.8            7 :01.4            72 :00.9          128          12           2           1.5%         4         16.6%         2           1.5%         83.3%
      TVTS           15 :01.0           27 :01.2           42 :01.1           64           31           3           4.6%         1          4.1%         3           4.6%         95.8%
      3590            3 :22.7            0 :00.0            3 :22.7            32           3           3           9.3%         1          4.1%         3           9.3%         95.8%
      9490           14 :33.6           28 :12.3           42 :19.4          100           9           4           4.0%         1          4.1%         4           4.0%         95.8%
      9840            2 :25.2            0 :00.0            2 :25.2           32           1           1           3.1%         1          4.1%         1           3.1%         95.8%
      SID-TOT           99 :06.6           62 :06.2           161 :06.5
OMVS1 K9490          40 :16.8           78 :23.1          118 :21.0           80          12           6           7.5%         1          4.1%         6           7.5%         95.8%
      PVTs          106 :00.8           38 :01.3           144 :00.9          128          51           8           6.2%         1          4.1%         8           6.2%         95.8%
      TVTS           12 :00.7            6 :02.0            18 :01.2           64          16           5           7.8%         1          4.1%         5           7.8%         95.8%
      3590          116 :21.7           0 :00.0            116 :21.7          32          31           5          15.6%         3         12.5%         5          15.6%         87.5%
      SID-TOT          274 :12.0          122 :15.3          396 :13.0
OMVS2 K9490          11 :14.3            1 :15.5            12 :14.4           80           8           3           3.7%         1          4.1%         3           3.7%         95.8%
      PVTs           2 :01.5            20 :05.6           22 :05.3          128          21          18          14.0%         1          4.1%         18          14.0%         95.8%
      TVTS           11 :00.8            3 :01.3            14 :00.9           64          11           3           4.6%         1          4.1%         3           4.6%         95.8%
      SID-TOT           24 :07.0            24 :05.5            48 :06.3
OVER-ALL     4242 :14.4         5072 :09.3         9314 :11.6
    
```



# SFTRPT - TGROUP by Shift

```

1(C) IBM REPORT=SFTRPT (05197)                TAPE MOUNT MONITOR - TGROUP WITHIN SHIFT BY HOUR    RUN ON 15AUG2005 @ 16:37:12    2
START=10JUN2002 @ 0:00:02                    DEVELOPMENT TESTING                                END=10JUN2002 @ 23:59:54
USER DEFINED SHIFTS: (1) 00:00 - 08:00 (2) 08:00 - 16:00 (3) 16:00 - 24:00 LOGICAL DAY START: 00
0 MOUNT SPCFC AVG MAX SCRTCH AVG MAX TOTAL AVG MAX
TGROUP DATE DOW SFT HR MOUNTS MPEND MPEND MOUNTS MPEND MPEND MOUNTS MPEND MPEND
OPVTS 10JUN02 MO 1 00 178 :03 1:56 138 :01 :04 316 :02 1:56
      01 124 :00 :09 110 :02 :12 234 :01 :12
      02 33 :00 :03 73 :01 :04 106 :01 :04
      03 106 :06 2:46 114 :01 :05 220 :03 2:46
      04 119 :08 3:45 79 :01 :02 198 :05 3:45
      05 90 :07 2:19 68 :00 :02 158 :04 2:19
      06 60 :01 :10 68 :01 :03 128 :01 :10
      07 42 :00 :01 16 :01 :01 58 :00 :01
      SHIFT TOT 752 :04 3:45 666 :01 :12 1418 :02 3:45
PVTS 10JUN02 MO 2 08 63 :02 1:24 60 :00 :03 123 :01 1:24
      09 46 :00 :02 58 :01 :02 104 :00 :02
      10 18 :00 :01 29 :01 :02 47 :00 :02
      11 17 :01 :23 21 :00 :01 38 :01 :23
      12 43 :04 1:23 36 :00 :01 79 :02 1:23
      13 71 :01 :24 55 :01 :02 126 :01 :24
      14 55 :00 :10 40 :01 :02 95 :01 :10
      15 86 :00 :10 97 :01 :03 183 :01 :10
      SHIFT TOT 399 :01 1:24 396 :01 :03 795 :01 1:24
PVTS 10JUN02 MO 3 16 60 :00 :09 50 :01 :02 110 :01 :09
      17 79 :01 :23 72 :01 :09 151 :01 :23
      18 38 :02 :24 71 :01 :04 109 :01 :24
      19 95 :01 1:08 74 :01 :02 169 :01 1:08
      20 67 :11 2:53 149 :01 :03 216 :04 2:53
      21 59 :06 2:04 100 :01 :02 159 :02 2:04
      22 30 :12 4:08 51 :01 :02 81 :05 4:08
      23 46 :12 3:56 26 :00 :01 72 :08 3:56
      SHIFT TOT 474 :05 4:08 593 :01 :09 1067 :03 4:08
TGROUP TOT 1625 :03 4:08 1655 :01 :12 3280 :02 4:08
    
```

# JOBRPT - Mounts by jobname

```

1(C) IBM REPORT=JOB RPT (05197)                TAPE MOUNT MONITOR - MOUNTS BY JOBNAME                RUN ON 15AUG2005 @ 13:37:25                2
          GRPNAME=PVTS                          DEVELOPMENT TESTING
          REPORT START = 10JUN2002 @ 0:00:02    <--- 86392 SEC --->
          REPORT END = 10JUN2002 @ 23:59:54
0        SPECIFIC SCRATCH    TOTAL    DRIVE
JOBNAME  MOUNTS  MOUNTS  MOUNTS  SECONDS
0#TCHJ0WR      2          2          227
ABARSAR      100         1         101  10963
ABARSCR      257         257        29311
ABARS1R      100         100         8206
ARIMSP                39          39          359
A15RECAL       3          3          259
BMD90N                2          2           34
BMD91A                1          1           10
CICSJ1PA                1          1           24
DA701D                2          2          187
DA703D                3          3          314
DA704D                2          2          202
DA953W                1          1           23
DFHSMCR                6          6         1638
DFHSM1R                4          4          243
.
Z7DSBA        2          2         2353
Z7DSBB        2          2         2183
Z7DSBC        2          2         1947
Z7DSBD        2          2         1400
Z7DSBE        6          6         2865
Z7DSBF        6          6         2834
Z7DSBG        5          5         2655
Z7DSBH        4          4         3354
Z7DSC         2          2         2377
GRP_TOT      1625       1655       3280

```

# MAMRPT - Min/avg/max mount pending by hour

```

1(C) IBM REPORT=MAMRPT (05197)                TAPE MOUNT MONITOR - MIN/AVG/MAX MOUNT PENDING                RUN ON 15AUG2005 @ 13:37:24                2
          GRPNAME=PVTS                        DEVELOPMENT TESTING
EARLIEST ALLOCATION = 10JUN2002 @ 0:00:02          LATEST ALLOCATION = 10JUN2002 @ 23:59:54
          SHIFTS: M = MID, D = DAY, A = AFT
0  TOTAL  MOUNT_SECONDS  SPFIC  MOUNT_SECONDS  SCRCH  MOUNT_SECONDS
   HR MOUNTS  MIN  AVG  MAX    MOUNTS  MIN  AVG  MAX    MOUNTS  MIN  AVG  MAX
10JUN02
00   316    .0  2.2  115    178    .5  3.1  115    138    .0  1.1  3.5
01   234    .5  1.6  12.0    124    .5  .9  9.0    110    .5  2.4  12.0
02   106    .0  1.2  4.0     33    .0  .7  2.5     73    .0  1.5  4.0
03   220    .0  3.8  166    106    .0  6.7  166    114    .0  1.2  4.5
04   198    .0  5.7  224    119    .0  8.7  224     79    .0  1.1  2.0
05   158    .0  4.8  138     90    .0  7.7  138     68    .0  .9  2.0
06   128    .5  1.2  10.0     60    .5  1.3  10.0     68    .5  1.1  3.5
07    58    .5  .7  1.0     42    .5  .6  1.0     16    .5  .9  1.0
08   123    .0  1.5  84.2     63    .0  2.0  84.2     60    .0  .9  3.0
09   104    .0  .9  2.5     46    .0  .7  1.1     58    .5  1.0  2.5
10    47    .0  .8  1.5     18    .0  .6  1.0     29    .5  1.0  1.5
11    38    .0  1.3  23.5     17    .0  1.9  23.5     21    .5  .8  1.0
12    79    .0  3.0  83.1     43    .0  4.6  83.1     36    .0  .9  1.5
13   126    .5  1.3  23.5     71    .5  1.6  23.5     55    .5  1.0  1.5
14    95    .5  1.0  9.5     55    .5  .9  9.5     40    .5  1.1  2.0
15   183    .0  1.0  10.0     86    .0  .9  10.0     97    .0  1.1  2.5
16   110    .5  1.0  9.5     60    .5  .9  9.5     50    .5  1.1  2.0
17   151    .0  1.7  23.5     79    .5  1.5  23.5     72    .0  1.8  9.0
18   109    .5  1.4  24.0     38    .5  1.9  24.0     71    .5  1.1  3.5
19   169    .0  1.3  67.2     95    .0  1.6  67.2     74    .0  1.0  2.0
20   217    .0  4.3  173     67    .5  11.7  173    150    .0  1.1  2.5
21   158    .0  2.9  124     59    .0  6.1  124     99    .0  1.0  2.0
22    81    .5  5.2  247     30    .5  12.5  247     51    .5  1.0  1.5
23    72    .5  8.5  236     46    .5  12.8  236     26    .5  .9  1.0
    
```

# PCTRPT - Concurrent allocation at xx%

```

1(C) IBM REPORT=PCTRPT (05197) MOUNTRPT - HOURLY CONCURRENT DRIVE ALLOCATION AT NN% RUN ON 15AUG2005 @ 13:37:29 2
EARLIEST TIMESTAMP = 10JUN2002 @ 0:00:02 _____ DEVELOPMENT TESTING _____ LATEST TIMESTAMP = 10JUN2002 @ 23:59:54
GRPNAME=PVTS USER REQUESTED 95TH PERCENTILE
0 MAX
ALLOC 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
010JUN02 58 24 17 0 16 35 26 13 0 0 0 0 0 7 0 11 0 17 12 6 11 10 0 0
0

```

# PLXRPT - Summary by TGROUPE and sysplex

```

1(C) IBM REPORT=PLXRPT (05197)
START=10JUN2002 @ 0:00:02
TAPe MOUNT MONITOR - SUMMARY BY GRPNAME / SYSPLEx RUN ON 15AUG2005 @ 13:37:31 1
                                DEVELOPMENT TESTING                                END=10JUN2002 @ 23:59:54
010JUN2002 00:00 ----SHFT1---- 08:00 08:00 ----SHFT2---- 16:00 16:00 ----SHFT3---- 24:00 -----TOTAL-----
          SPCFC  AVG  SCRTCH  AVG  SPCFC  AVG  SCRTCH  AVG  SPCFC  AVG  SCRTCH  AVG  SPCFC  AVG  SCRTCH  AVG
GRPNAME  SPLEX  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND  MNTS  MPND
OK9490    KMF      27 :18.7   56 :23.9    7 :13.4    7 :16.1    17 :13.5    16 :22.9    51 :16.2    79 :23.0
          TOTAL    27 :18.7   56 :23.9    7 :13.4    7 :16.1    17 :13.5    16 :22.9    51 :16.2    79 :23.0
OPVTS     KMF      63 :00.8   53 :03.0   31 :01.0    1 :01.0    14 :00.7    4 :01.0    108 :00.8   58 :02.8
          KRC     689 :04.6   613 :01.2   368 :01.6   395 :01.0   460 :05.4   589 :01.1   1517 :04.1  1597 :01.1
          TOTAL    752 :04.3   666 :01.4   399 :01.6   396 :01.0   474 :05.3   593 :01.1   1625 :03.9  1655 :01.2
OTVTS     KMF      10 :00.7    7 :02.0    6 :00.8    1 :01.0    7 :00.9    1 :01.0    23 :00.8    9 :01.8
          KRC     151 :23.6   206 :01.6   84 :01.7   142 :01.3   131 :27.0   242 :01.2   366 :19.8   590 :01.4
          TOTAL    161 :22.2   213 :01.6   90 :01.6   143 :01.3   138 :25.7   243 :01.2   389 :18.7   599 :01.4
03480     KRC      14 :00.0    30 :12.9    3 :10.6    6 :13.9    14 :00.0    39 :12.9
          TOTAL    14 :00.0    30 :12.9    3 :10.6    6 :13.9    14 :00.0    39 :12.9
03590     KMF      57 :22.7    33 :19.1    26 :22.7    116 :21.7
          KRC     404 :19.9    13 :57.1    99 :18.8    2 :52.7    223 :18.5    3 :55.2    726 :19.3    18 :56.3
          TOTAL    461 :20.2    13 :57.1   132 :18.9    2 :52.7    249 :18.9    3 :55.2    842 :19.6    18 :56.3
09490     KRC     471 :18.8   1027 :14.4  389 :32.6   612 :17.0   249 :18.8   880 :15.2   1109 :23.6  2519 :15.3
          TOTAL    471 :18.8   1027 :14.4  389 :32.6   612 :17.0   249 :18.8   880 :15.2   1109 :23.6  2519 :15.3
09840     KRC      74 :16.8    65 :16.5    77 :18.5    45 :15.6    61 :19.5    53 :14.7    212 :18.2   163 :15.7
          TOTAL    74 :16.8    65 :16.5    77 :18.5    45 :15.6    61 :19.5    53 :14.7    212 :18.2   163 :15.7
OOVER-ALL TOTAL    1960 :13.6   2070 :09.5  1094 :16.0  1208 :09.9  1188 :14.2  1794 :08.8  4242 :14.4  5072 :09.3
    
```

# PLXRPT - Summary by sysplex and TGROUP

```

1(C) IBM REPORT=PLXRPT (05197)                TAPE MOUNT MONITOR - SUMMARY BY SYSPLEX / GRPNAME    RUN ON 15AUG2005 @ 13:37:31    1
START=10JUN2002 @ 0:00:02                    DEVELOPMENT TESTING                                END=10JUN2002 @ 23:59:54
010JUN2002    00:00 ----SHFT1---- 08:00    08:00 ----SHFT2---- 16:00    16:00 ----SHFT3---- 24:00    -----TOTAL-----
              SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG      SPCFC  AVG  SCRTCH  AVG
  SPLEX GRPNAME  MNTS  MPND  MNTS  MPND    MNTS  MPND  MNTS  MPND    MNTS  MPND  MNTS  MPND    MNTS  MPND  MNTS  MPND
OKMF  K9490      27 :18.7  56 :23.9    7 :13.4   7 :16.1    17 :13.5   16 :22.9    51 :16.2   79 :23.0
        PVTS      63 :00.8  53 :03.0   31 :01.0   1 :01.0    14 :00.7   4 :01.0    108 :00.8   58 :02.8
        TVTS      10 :00.7   7 :02.0    6 :00.8   1 :01.0    7 :00.9   1 :01.0    23 :00.8   9 :01.8
        3590      57 :22.7   33 :19.1   26 :22.7   116 :21.7
        TOTAL    157 :11.8  116 :13.0   77 :09.8   9 :12.8    64 :13.1   21 :17.7   298 :11.6  146 :13.7
OKRC  PVTS      689 :04.6  613 :01.2  368 :01.6  395 :01.0  460 :05.4  589 :01.1  1517 :04.1  1597 :01.1
        TVTS      151 :23.6  206 :01.6   84 :01.7  142 :01.3  131 :27.0  242 :01.2  366 :19.8   590 :01.4
        3480      14 :00.0   30 :12.9    3 :10.6    6 :13.9    14 :00.0   39 :12.9
        3590      404 :19.9   13 :57.1    99 :18.8   2 :52.7   223 :18.5   3 :55.2   726 :19.3   18 :56.3
        9490      471 :18.8  1027 :14.4  389 :32.6   612 :17.0  249 :18.8   880 :15.2  1109 :23.6  2519 :15.3
        9840      74 :16.8   65 :16.5    77 :18.5   45 :15.6   61 :19.5   53 :14.7   212 :18.2   163 :15.7
        TOTAL    1803 :13.8  1954 :09.3  1017 :16.4  1199 :09.9  1124 :14.2  1773 :08.7  3944 :14.6  4926 :09.2
OOVER-ALL TOTAL  1960 :13.6  2070 :09.5  1094 :16.0  1208 :09.9  1188 :14.2  1794 :08.8  4242 :14.4  5072 :09.3

```

# RTERPT - Mount arrival rates

```

1(C) IBM REPORT=RTERPT (05197)          TAPE MOUNT MONITOR - MOUNT ARRIVAL RATE DISTRIBUTION          RUN ON 15AUG2005 @ 13:37:31          2
GRPNAME=PVTS          INTERVALSEC= 3600          DEVELOPMENT TESTING
REPORT START = 10JUN2002 @ 0:00:02          <--- 86392 SEC --->          REPORT END = 10JUN2002 @ 23:59:54
0          ----- TOTAL MOUNTS --          2964--          ----- SPECIFIC MOUNTS          1447--          ----- SCRATCH MOUNTS          1517--
ARRIVAL  NMBR OF INTVAL  NMBR OF  % OF  ACCUM          NMBR OF INTVAL  NMBR OF  % OF  ACCUM          NMBR OF INTVAL  NMBR OF  % OF  ACCUM
RATE     INTVALS  RATE%   MOUNTS MNTS   PCT          INTVALS  RATE%   MOUNTS MNTS   PCT          INTVALS  RATE%   MOUNTS MNTS   PCT
0         0         1     4.1%    0          1     4.1%    0          1     4.1%    0
0         1         0         0          0          0         0         0          0         0         0
0         2         0         0          0          0         0         0          0         0         0
0         3         0         0          0          0         0         0          0         0         0
0         4         0         0          0          0         0         0          0         0         0
0         5         0         0          0          0         0         0          0         0         0
0         6         0         0          0          0         0         0          0         0         0
0         7         0         0          0          0         0         0          0         0         0
0         8         0         0          0          0         0         0          0         0         0
0         9         0         0          0          0         0         0          0         0         0
0        10         0         0          0          0         0         0          0         0         0
0       11-15         0         0          0          0         0         0          0         0         0
0       16-20         0         0          2     8.3%    35     2.4%    2.4%    1     4.1%    16     1.0%    1.0%
0       21-25         0         0          0         0         0         0          1     4.1%    21     1.3%    2.4%
0       26-30         0         0          1     4.1%    30     2.0%    4.4%    2     8.3%    55     3.6%    6.0%
0       31-40         1     4.1%    38     1.2%    1.2%    2     8.3%    71     4.9%    9.3%    2     8.3%    76     5.0%    11.0%
0       41-50         1     4.1%    47     1.5%    2.8%    4    16.6%   177    12.2%   21.6%    1     4.1%    50     3.2%    14.3%
0       51-75         2     8.3%   130     4.3%    7.2%    7    29.1%   435    30.0%   51.6%   10   41.6%   650    42.8%   57.2%
0       76-100        3    12.5%   255     8.6%   15.8%    4    16.6%   350    24.1%   75.8%    3    12.5%   276    18.1%   75.4%
0101-125         5    20.8%   552    18.6%   34.4%    3    12.5%   349    24.1%  100.0%    2     8.3%   224    14.7%   90.1%
0126-150         2     8.3%   254     8.5%   43.0%    0         0         0         1     4.1%   149     9.8%  100.0%
0151-200         6    25.0%  1018    34.3%   77.3%    0         0         0         0         0         0
0201-300         3    12.5%   670    22.6%  100.0%    0         0         0         0         0         0
0301-400         0         0         0         0         0         0         0         0         0         0
0401-500         0         0         0         0         0         0         0         0         0         0
0501-         0         0         0         0         0         0         0         0         0         0
0
    
```

## New Reports

User requests for new reports will be considered.

Have your IBM Storage rep or Business Partner send an email with specific details to:  
[tapetool@us.ibm.com](mailto:tapetool@us.ibm.com)



## Mount Monitor and Reporter

- **Where do I get it?**
  - ▶ **Distributed in IBMTTOOLS.EXE**
    - **Internal IBM Systems Sales web site**
    - **Business Partner's ftp site**
      - **<http://testcase-yellow.boulder.ibm.com>**
    - **External user download site**
      - **<ftp://ftp.software.ibm.com/storage/tapetool>**