

Wikiprint Book

Title: Equipos/DT01ACA200

Subject: TracMeteo - Equipos/DT01ACA200

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En los nodos twin con discos TOSHIBA DT01ACA200 en raid software, la escritura cae a niveles de 10Mb/s, sin patron aparente, cuando esto sucede:

- Solo uno uno de los discos que forma el dispositivo md raid se atora, se ve con "iostat -xd 2" fijandonos en **await**

Device:	rrqm/s	wrqm/s	r/s	w/s	rsec/s	wsec/s	avgrq-sz	avgqu-sz	await	svctm	%util
sdb	0.00	854.50	0.00	35.50	0.00	7120.00	200.56	0.29	8.11	0.41	1.45
sda	0.00	882.50	0.00	31.00	0.00	29688.00	957.68	129.44	''3470.82''	32.26	100.00

- Parametros de S.M.A.R.T que varian sus valores habituales :
 - Raw_Read_Error_Rate: cuando va bien 0 despues valores >0 sin significado decimal
 - Throughput_Performance y Seek_Time_Performance incrementan su valor por encima de los habituales
- Los test "smartctl -t long" y "badblocks -s v" no dan errores sobre el disco atorado.

Por el momento la solucion, con hdparm poner al disco en **standby** (no afecta al sistema, ni al raid), y con esto el disco vuelve a tasas habituales.

```
[root@wn013 sbin]# hdparm -C /dev/sda; hdparm -y /dev/sda ;hdparm -C /dev/sda

/dev/sda:
drive state is:  active/idle

/dev/sda:
issuing standby command

/dev/sda:
drive state is:  standby
```

Con esta operacion aumentalos los contadores SMART: start_stop_count , power-off_retract_count, load_cycle_count

```
cexec macc2:1,3,5,7,9,11,13,15 "smartctl -a /dev/sda |grep -e Start -e Power_C -e Power-Off -e Load ; smartctl -a /dev/sdb
***** macc2 *****
----- wn011-----
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    12
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    11
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    21
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    21
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    13
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    12
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    21
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    21
----- wn013-----
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    17
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    15
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    25
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    25
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    16
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    16
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    27
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    27
----- wn015-----
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    45
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    44
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    51
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    51
 4 Start_Stop_Count          0x0012   100   100   000   Old_age  Always     -    39
12 Power_Cycle_Count         0x0032   100   100   000   Old_age  Always     -    37
192 Power-Off_Retract_Count  0x0032   100   100   000   Old_age  Always     -    45
193 Load_Cycle_Count        0x0012   100   100   000   Old_age  Always     -    45
```

```

----- wn017-----
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   22
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   22
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   34
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   34
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   23
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   22
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   33
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   33
----- wn019-----
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   12
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   12
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   21
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   21
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   13
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   12
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   20
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   20
----- wn021-----
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -    4
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -    4
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   42
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   42
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -    4
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -    4
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   42
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   42
----- wn023-----
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -    3
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -    3
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   41
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   41
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -    3
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -    3
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   41
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   41
----- wn025-----
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   14
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   14
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   26
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   26
 4 Start_Stop_Count      0x0012  100  100  000  Old_age  Always  -   16
12 Power_Cycle_Count     0x0032  100  100  000  Old_age  Always  -   14
192 Power-Off_Retract_Count 0x0032  100  100  000  Old_age  Always  -   24
193 Load_Cycle_Count     0x0012  100  100  000  Old_age  Always  -   24

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