

Wikiprint Book

Title: Equipos/DT01ACA200

Subject: TracMeteo - Equipos/DT01ACA200

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Await y DT01ACA200

En los nodos twin con discos TOSHIBA DT01ACA200, tienen 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.

Buscando Soluciones

Por el momento la solucion es poner al disco en **standby** (no afecta al sistema, ni al raid, cuestion de segundos), 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