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
```

- Paremetros 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
```