

Infrastructure - Task #3190

android tinderbox: two disks need replacement/reinstall with just two disks

2020-04-23 18:47 - Christian Lohmaier

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:	Guilhem Moulin	% Done:	0%
Category:		URL:	
Target version:	Q3/2020		
Tags:			
Description			
the android tinderbox (libreoffice2.dh.bytemark.co.uk) currently uses 4 disks in raid10 on a 3ware 9690SA-4I card.			
two of the four disks have over 30000 reallocated sectors/are dying...			
libreoffice2:/home/android# /usr/sbin/tw_cli /c0/p0 show all			
/c0/p0 Status = OK			
/c0/p0 Model = ST500DM002-1BD142			
/c0/p0 Firmware Version = KC45			
/c0/p0 Serial = Z2AKT1TE			
/c0/p0 Capacity = 465.76 GB (976773168 Blocks)			
/c0/p0 WWN = 5000c5003fc23438			
/c0/p0 Drive Type = SATA			
/c0/p0 Interface Type = Direct			
/c0/p0 Drive Ports = 1			
/c0/p0 Drive Connections = 1			
/c0/p0 Link Speed Supported = 1.5 Gbps and 3.0 Gbps			
/c0/p0 Link Speed = 3.0 Gbps			
/c0/p0 Queuing Supported = Yes			
/c0/p0 Queuing Enabled = Yes			
/c0/p0 Reallocated Sectors = 0			
/c0/p0 Power On Hours = 5387			
/c0/p0 Temperature = 29 deg C			
/c0/p0 Spindle Speed = 7200 RPM			
/c0/p0 Identify Status = N/A			
/c0/p0 Belongs to Unit = u0			
Segmentation fault			
libreoffice2:/home/android# /usr/sbin/tw_cli /c0/p1 show all			
/c0/p1 Status = OK			
/c0/p1 Model = ST500DM002-1BD142			
/c0/p1 Firmware Version = KC45			
/c0/p1 Serial = Z2AKXQ7D			
/c0/p1 Capacity = 465.76 GB (976773168 Blocks)			
/c0/p1 WWN = 5000c5003fc23625			
/c0/p1 Drive Type = SATA			
/c0/p1 Interface Type = Direct			
/c0/p1 Drive Ports = 1			
/c0/p1 Drive Connections = 1			
/c0/p1 Link Speed Supported = 1.5 Gbps and 3.0 Gbps			
/c0/p1 Link Speed = 3.0 Gbps			
/c0/p1 Queuing Supported = Yes			
/c0/p1 Queuing Enabled = Yes			
/c0/p1 Reallocated Sectors = 496			
/c0/p1 Power On Hours = 5380			
/c0/p1 Temperature = 26 deg C			
/c0/p1 Spindle Speed = 7200 RPM			
/c0/p1 Identify Status = N/A			
/c0/p1 Belongs to Unit = u0			
Segmentation fault			
libreoffice2:/home/android# /usr/sbin/tw_cli /c0/p2 show all			
/c0/p2 Status = OK			

```
/c0/p2 Model = ST500DM002-1BD142
/c0/p2 Firmware Version = KC45
/c0/p2 Serial = Z2AKWM9W
/c0/p2 Capacity = 465.76 GB (976773168 Blocks)
/c0/p2 WWN = 5000c5003fc21af3
/c0/p2 Drive Type = SATA
/c0/p2 Interface Type = Direct
/c0/p2 Drive Ports = 1
/c0/p2 Drive Connections = 1
/c0/p2 Link Speed Supported = 1.5 Gbps and 3.0 Gbps
/c0/p2 Link Speed = 3.0 Gbps
/c0/p2 Queuing Supported = Yes
/c0/p2 Queuing Enabled = Yes
/c0/p2 Reallocated Sectors = 32280
/c0/p2 Power On Hours = 4712
/c0/p2 Temperature = 27 deg C
/c0/p2 Spindle Speed = 7200 RPM
/c0/p2 Identify Status = N/A
/c0/p2 Belongs to Unit = u0
```

Segmentation fault

```
libreoffice2:/home/android# /usr/sbin/tw_cli /c0/p3 show all
```

```
/c0/p3 Status = OK
/c0/p3 Model = ST500DM002-1BD142
/c0/p3 Firmware Version = KC45
/c0/p3 Serial = Z2AKXQX2
/c0/p3 Capacity = 465.76 GB (976773168 Blocks)
/c0/p3 WWN = 5000c5003fc26d91
/c0/p3 Drive Type = SATA
/c0/p3 Interface Type = Direct
/c0/p3 Drive Ports = 1
/c0/p3 Drive Connections = 1
/c0/p3 Link Speed Supported = 1.5 Gbps and 3.0 Gbps
/c0/p3 Link Speed = 3.0 Gbps
/c0/p3 Queuing Supported = Yes
/c0/p3 Queuing Enabled = Yes
/c0/p3 Reallocated Sectors = 34936
/c0/p3 Power On Hours = 5387
/c0/p3 Temperature = 28 deg C
/c0/p3 Spindle Speed = 7200 RPM
/c0/p3 Identify Status = N/A
/c0/p3 Belongs to Unit = N/A
```

The box refused to boot, but I managed to get it back up - but rebuilding the degraded array fails/drive p3 gets kicked out/won't allow a rebuild to finish.

```
libreoffice2:/home/android# /usr/sbin/tw_cli /c0 show alarms
```

Ctl	Date	Severity	Alarm Message
c0	[Thu Apr 23 15:20:54 2020]	WARNING	Primary DCB read error occurred: phy=3, error=0x202
c0	[Thu Apr 23 15:20:54 2020]	INFO	Battery capacity test is overdue
c0	[Thu Apr 23 15:20:54 2020]	WARNING	Incomplete unit detected: unit=0
c0	[Thu Apr 23 15:20:54 2020]	WARNING	Incomplete unit detected: unit=1
c0	[Thu Apr 23 15:44:31 2020]	WARNING	SMART threshold exceeded: phy=3
c0	[Thu Apr 23 15:44:37 2020]	WARNING	Primary DCB read error occurred: phy=3, error=0x202
c0	[Thu Apr 23 15:54:54 2020]	INFO	Rebuild started: unit=0, subunit=1
c0	[Thu Apr 23 16:00:57 2020]	INFO	Battery capacity test started
c0	[Thu Apr 23 16:00:57 2020]	INFO	Battery charging started
c0	[Thu Apr 23 16:00:59 2020]	INFO	Battery charging completed
c0	[Thu Apr 23 16:02:27 2020]	WARNING	Drive removed: phy=3
c0	[Thu Apr 23 16:02:27 2020]	ERROR	Degraded unit: unit=0, vport=3
c0	[Thu Apr 23 16:02:29 2020]	WARNING	SMART threshold exceeded: phy=3
c0	[Thu Apr 23 16:02:29 2020]	INFO	Drive inserted: phy=3
c0	[Thu Apr 23 16:02:29 2020]	INFO	Unit operational: unit=0
c0	[Thu Apr 23 16:03:55 2020]	INFO	Rebuild started: unit=0, subunit=1
c0	[Thu Apr 23 16:12:05 2020]	WARNING	SMART threshold exceeded: phy=2

```
c0 [Thu Apr 23 16:12:05 2020] WARNING SMART threshold exceeded: phy=2
c0 [Thu Apr 23 16:12:10 2020] WARNING SMART threshold exceeded: phy=3
c0 [Thu Apr 23 16:12:10 2020] WARNING SMART threshold exceeded: phy=3
c0 [Thu Apr 23 16:12:15 2020] INFO Rebuild paused: unit=0, subunit=1
c0 [Thu Apr 23 16:12:30 2020] INFO Rebuild started: unit=0, subunit=1
c0 [Thu Apr 23 16:13:47 2020] WARNING Drive removed: phy=3
c0 [Thu Apr 23 16:13:47 2020] ERROR Degraded unit: unit=0, vport=3
c0 [Thu Apr 23 16:18:22 2020] WARNING SMART threshold exceeded: phy=3
c0 [Thu Apr 23 16:18:22 2020] INFO Drive inserted: phy=3
c0 [Thu Apr 23 16:18:22 2020] INFO Unit operational: unit=0
c0 [Thu Apr 23 16:19:49 2020] WARNING Drive removed: phy=3
c0 [Thu Apr 23 16:19:49 2020] ERROR Degraded unit: unit=0, vport=3
c0 [Thu Apr 23 16:23:32 2020] WARNING SMART threshold exceeded: phy=3
c0 [Thu Apr 23 16:23:32 2020] INFO Drive inserted: phy=3
c0 [Thu Apr 23 16:23:33 2020] INFO Unit operational: unit=0
c0 [Thu Apr 23 16:24:56 2020] INFO Rebuild started: unit=0, subunit=1
c0 [Thu Apr 23 16:25:00 2020] WARNING Drive removed: phy=3
c0 [Thu Apr 23 16:25:00 2020] ERROR Degraded unit: unit=0, vport=3
c0 [Thu Apr 23 16:27:02 2020] WARNING SMART threshold exceeded: phy=3
c0 [Thu Apr 23 16:27:02 2020] INFO Drive inserted: phy=3
c0 [Thu Apr 23 16:27:02 2020] INFO Unit operational: unit=0
c0 [Thu Apr 23 16:28:29 2020] WARNING Drive removed: phy=3
c0 [Thu Apr 23 16:28:29 2020] ERROR Degraded unit: unit=0, vport=3
```

History

#1 - 2020-08-04 18:14 - Florian Effenberger

- Target version set to Q3/2020