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Subject: : SmartFileSystem

Topic: : SFS problem with FastATA MK-III and 160GB drive

Re: SFS problem with FastATA MK-III and 160GB drive

Author: : Calgor

Date: : 2007/9/9 7:08:22

URL:

@joerg

Thanks for the info.

I checked and sfsquery shows all of the partitions have end offset == start offset of next partition. HDToolBox also shows that there are no overlaps of start and end cylinders. Check4gb reports no problems, but it cannot check LBA48.

Mask is set to 0x7FFFFFFE, and MaxTransfer to 0x0001FE00.

Only sdh8 is partially over the 128GB boundary, so formatting sdh6 should not affect sdh7 and vice-versa????

Here are the results of sfsquery followed by:

1. sfscheck sdh6 (first bad block 5247 if format sdh7, first bad block 5248 if format sdh8)
2. sfsformat sdh6
3. sfscheck sdh7 (first bad block at end of partition) and sdh8 (first bad block at start of partition).

I would attach, but I don't know how. I will point Elbox to this thread.

4.SystemBack3:check4gb> sfsquery sdh6:

SFSquery information for sdh6: (SFS Version 1.276)

Start/end-offset : 0x00000001:f83f0000 - 0x0000000e:78538000 bytes

Device API : NSD (64-bit)

Bytes/block : 512 Total blocks : 104860224

Cache accesses : 102 Cache misses : 36 (35%)

Read-ahead cache : 8x 8192 bytes (Copyback)

Flush timeout : act. 20s - inact. 0.5s

Max Name Length : 107

DOS buffers : 80

SFS settings : [RECYCLED]

4.SystemBack3:check4gb> sfsquery sdh7:

SFSquery information for sdh7: (SFS Version 1.276)

Start/end-offset : 0x0000000e:78538000 - 0x0000001a:f8680000 bytes

Device API : NSD (64-bit)

Bytes/block : 512 Total blocks : 104860224

Cache accesses : 36 Cache misses : 14 (38%)

Read-ahead cache : 8x 8192 bytes (Copyback)

Flush timeout : act. 20s - inact. 0.5s

Max Name Length : 107

DOS buffers : 80

SFS settings : [RECYCLED]

4.SystemBack3:check4gb> sfsquery sdh8:

SFSquery information for sdh8: (SFS Version 1.276)

Start/end-offset : 0x0000001a:f8680000 - 0x00000025:1e3bc000 bytes

Device API : NSD (64-bit)

Bytes/block : 512 Total blocks : 85125600

Cache accesses : 51 Cache misses : 18 (35%)

Read-ahead cache : 8x 8192 bytes (Copyback)

Flush timeout : act. 20s - inact. 0.5s

Max Name Length : 107

DOS buffers : 80

SFS settings : [RECYCLED]

4.SystemBack3:check4gb> sfscheck sdh6: 400 lock

Partition start offset : 0x00000001:f83f0000 End offset : 0x0000000e:78538000

Surfaces : 24 Blocks/Track : 252

Bytes/Block : 512 Sectors/Block : 1

Total blocks : 104860224

Device interface : NSD (64-bit)

Checking RootBlocks

...okay

Checking AdminSpaceContainers at block 2

...okay

Checking NodeContainers at block 7

...okay

Checking ObjectContainers at block 3

...okay

Checking Bitmap at block 34 (26216 blocks, 4000 bits/bitmap)

Incorrect block type at block 5248. Expected was 0x42544d50 but it was 0x53465300.

...error in bitmap block at block 5248

...damaged

4.SystemBack3:check4gb> sfsformat drive sdh6: name Games

Press RETURN to begin formatting or CTRL-C to abort:

4.SystemBack3:check4gb> sfscheck sdh6: 400 lock

Partition start offset : 0x00000001:f83f0000 End offset : 0x0000000e:78538000

Surfaces : 24 Blocks/Track : 252

Bytes/Block : 512 Sectors/Block : 1

Total blocks : 104860224

Device interface : NSD (64-bit)

Checking RootBlocks

...okay

Checking AdminSpaceContainers at block 2

...okay

Checking NodeContainers at block 7

...okay

Checking ObjectContainers at block 3

...okay

Checking Bitmap at block 34 (26216 blocks, 4000 bits/bitmap)

...okay

4.SystemBack3:check4gb> sfscheck sdh7: 400 lock

Partition start offset : 0x0000000e:78538000 End offset : 0x0000001a:f8680000

Surfaces : 24 Blocks/Track : 252

Bytes/Block : 512 Sectors/Block : 1

Total blocks : 104860224

Device interface : NSD (64-bit)

Checking RootBlocks

Incorrect block type at block 104860223. Expected was 0x53465300 but it was 0x42544d50.

...damaged

4.SystemBack3:check4gb> sfscheck sdh8: 400 lock

Partition start offset : 0x0000001a:f8680000 End offset : 0x00000025:1e3bc000

Surfaces : 24 Blocks/Track : 252

Bytes/Block : 512 Sectors/Block : 1

Total blocks : 85125600

Device interface : NSD (64-bit)

Checking RootBlocks

Incorrect block type at block 0. Expected was 0x53465300 but it was 0x42544d50.

...damaged