DragonFlyBSD - Bug #781

fdisk uses wrong geometry on usb flash drives

08/21/2007 10:27 AM - corecode

Status:	In Progress	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	tuxillo	**% Done:**	0%
Category:	Kernel	**Estimated time:**	0.00 hour
Target version:	3.8.0		

Description

hey,

fdisk uses some stupid geometry like 1/0/1 on usb flash drives. umass however detects the geometry correctly; it seems this information is not correctly passed along.

cheers
simon

History

#1 - 03/09/2013 12:51 PM - tuxillo

- Description updated

- Status changed from New to In Progress

- Assignee deleted (0)

Hi,

Seems still relevant. On a USB stick which is 32GB big:

```
dfly_i386# fdisk da8
******* Working on device /dev/da8 *******
parameters extracted from device are:
cylinders=10679 heads=115 sectors/track=50 (5750 blks/cyl)

Figures below won't work with BIOS for partitions not in cyl 1
parameters to be used for BIOS calculations are:
cylinders=10679 heads=115 sectors/track=50 (5750 blks/cyl)

Media sector size is 512
Warning: BIOS sector numbering starts with sector 1
Information from DOS bootblock is:
The data for partition 1 is:
sysid 69,(unknown)
start 1701060722, size 1936286752 (945452 Meg), flag 6f
beg: cyl 10/ head 255/ sector 13;
end: cyl 367/ head 114/ sector 50
The data for partition 2 is:
sysid 10,(OS/2 Boot Manager or OPUS)
start 1965043315, size 1948279150 (951308 Meg), flag 63
beg: cyl 781/ head 111/ sector 63;
end: cyl 357/ head 80/ sector 50
The data for partition 3 is:
sysid 32,(unknown)
start 1701978209, size 1667853929 (814381 Meg), flag 65
beg: cyl 353/ head 99/ sector 44;
end: cyl 370/ head 112/ sector 33
The data for partition 4 is:
sysid 10,(OS/2 Boot Manager or OPUS)
start 2885681152, size 53696 (26 Meg), flag 69
beg: cyl 269/ head 97/ sector 50;
end: cyl 0/ head 0/ sector 0
```

Cheers,
Antonio Huete

#2 - 02/20/2014 07:16 AM - tuxillo

- Description updated

- Category set to Kernel

- Assignee set to tuxillo

- Target version set to 3.8.0

Grab.