

DragonFlyBSD - Bug #2619

DragonFly 3.6 can't be installed on a 6TB volume

12/20/2013 04:46 AM - ftigeot

Status:	New	Start date:	12/20/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Kernel	Estimated time:	0.00 hour
Target version:			
Description			
I tried to install DragonFly on a batch of Xeon E5v2 workstations. These machines have a 6TB mfid0 boot volume (RAID 5 of 4x2TB disks on a LSI 9260-4i adapter). The installation fails almost immediately and these messages are shown in a dialog box: fdisk: WARNING line 1: number of cylinders (726552) may be out of range (must be within 1-1024 for normal BIOS operation, unless the entire disk is dedicated to DragonFly fdisk: ERROR: could not adjust partition to start on a head boundary and end on a cylinder boundary.			

History

#1 - 02/22/2014 11:18 AM - ftigeot

This may actually be a mfi-specific issue.

The installer also failed to install DragonFly on a 300GB mfi volume.

I fixed it by running fdisk -BI /dev/mfid0 from a shell.

#2 - 02/23/2014 06:33 AM - zcrownover

- Category set to Driver

So should this be closed or retitled to reflect it affecting a specific hardware type and not the size of the disk?

#3 - 02/23/2014 11:55 PM - swildner

- Category changed from Driver to Kernel

This issue neither specific to the disk size nor to the mfi(4) driver generally.

We have a guy in the IRC channel who runs DragonFly on a large system with (IIRC) 15x3TB with mfi(4):

Filesystem	Size	Used	Avail	Capacity	Mounted on
ROOT	35T	1.6G	35T	0%	/
devfs	1.0K	1.0K	0B	100%	/dev
/pfs/@@-1:00001	35T	1.6G	35T	0%	/var
/pfs/@@-1:00002	35T	1.6G	35T	0%	/tmp
/pfs/@@-1:00003	35T	1.6G	35T	0%	/usr
/pfs/@@-1:00004	35T	1.6G	35T	0%	/home
/pfs/@@-1:00005	35T	1.6G	35T	0%	/usr/obj
/pfs/@@-1:00006	35T	1.6G	35T	0%	/var/crash
/pfs/@@-1:00007	35T	1.6G	35T	0%	/var/tmp
procfs	4.0K	4.0K	0B	100%	/proc