

Re: OT: hard drive limits Q

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- *From:* Jan Panteltje <pNaonStpealmtje@xxxxxxxxx>
 - *Date:* Sat, 23 Dec 2006 11:24:51 GMT
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On a sunny day (Sat, 23 Dec 2006 07:09:54 GMT) it happened Robert Baer <robertbaer@xxxxxxxxxxxxxx> wrote in <6D4jh.2915\$yx6.1968@xx>:

MSDOS6.22, PCDOS7.0, Win98SE, Win2000 as Oses on these hard drives will not boot, period.
Makes no difference what the partition size or format type (FAT16, FAT32, NTFS) with the understanding that the format types tried were supported by the OS.
Programs on the drive run fine with zero problems; the HDs just will not boot.

grml: ~ # fdisk /dev/hdd

The number of cylinders for this disk is set to 14593.
There is nothing wrong with that, but this is larger than 1024, and could in certain setups cause problems with:
1) software that runs at boot time (e.g., old versions of LILO)
2) booting and partitioning software from other OSs (e.g., DOS FDISK, OS/2 FDISK)

To be able to boot there in needs to be a 'bootable' flag set:
Command (m for help): p

Disk /dev/hdd: 120.0 GB, 120034123776 bytes
255 heads, 63 sectors/track, 14593 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Device	Boot	Start	End	Blocks	Id	System	
/dev/hdd1	1	4927	39572715+	83	Linux		
/dev/hdd2	4927	9791	39072747	83	Linux		
/dev/hdd3	9791	14593	38572778+	5	Extended		
/dev/hdd5	9791	9854	500000+	82	Linux swap	/ Solaris	
/dev/hdd6	9854	9860	49968+	83	Linux		
/dev/hdd7	*	9860	14593	38022715	83	Linux	

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Note the little asterikx in hdd7? thats is the 'bootable flag.

Note what is says at first:

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There is possible also a part of your problem, cylinder limit in the OS.

Upgrade your system :-)

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