Calculate Linux - Bug # 84: Enumeration block devices by installer for grub.conf

Status:	New	Priority:	High
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Created:	01/22/2010	Assignee:	Mikhail Hiretsky
Updated:	07/01/2011	Due date:	

Subject:	Enumeration block devices by installer for grub.conf
Description:	At moment of the install system by calculate utility, the programm algorithm is wrong defines a block devices enumeration... I think because it get data from *fdisk* command output, but it`s give a incorrect result in some situations.

For example

My server has a RAID Controller, who can support work together are two disk array.
And I have this output fdisk:
```
fdisk -l | grep "/dev/sd"
Disk /dev/sdb: 749.5 Gb, 749461307392 bytes
/dev/sdb1            1      91116   731889238+  83  Linux
Disk /dev/sda: 293.8 Gb, 293810995200 bytes
/dev/sda1            1      12289    12583920   83  Linux
/dev/sda2        12290      24578    12583936   83  Linux
/dev/sda3        24579      32771     8389632   82  Linux swap / Solaris
/dev/sda4        32772     280200   253367296   83  Linux
```
You can see what fdisk define a /dev/sdb as first block disk device, itsn`t corectly.
To verify this - I use udev sysfs and put next command:
```
ls -laF /sys/block/ | grep sd
lrwxrwxrwx  1 root root 0 Jun 23 02:11 sda -> ../devices/pci0000:00/ ... /target0:0:0/0:0:0:0/block/sda/
lrwxrwxrwx  1 root root 0 Jun 23 02:11 sdb -> ../devices/pci0000:00/ ... /target0:0:1/0:0:1:0/block/sdb/
```
There we can see, how enumerate are block devices on PCI bus. :)

But when I want install a system to /dev/sda2 slice, calculate utility make it correctltly, but in grub.conf, in the boot item, it write some like:
```
root (hd1,1)
```

I think, what it a simple small bug, and not difficult for fixing ;-)

Best regards, Alexey Shtepa.

History

01/14/2011 10:07 am - Alexander Tratsevskiy

- Assignee set to Mikhail Hiretsky