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Subject: \*SOLVED\* Private disk partitions and disk games

Posted by [rollinw](#) on Tue, 27 Jun 2006 17:23:48 GMT

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Here's another issue I have come up against.

My hardware node is a CentOS4.x system installed on an IDE disk. I also have a large SATA drive that I would like to put databases on. In particular, I would like to have a partition of the SATA drive dedicated to each VE that will be running mysql.

On CentOS, fdisk treats the partitions as SCSI, with names sda1, sda2, etc. on /dev/sda. Interestingly, SUSE Enterprise 9.3 treats the drive as a hard drive, with names like hdi1, hdi2, etc., on /dev/hdi.

Well, after I created partitions and filesystems on /dev/sda using the hardware node, I tried to mount one of them inside the VPSs. The CentOS VPSs didn't even know about /dev/sda, because there was no such device in /dev. The SUSE VPS knows about the device, but refuses to mount the partitions, saying the device is busy.

I went back to the hardware node to see what I could find. There I discovered that the device-mapper has apparently taken over /dev/sda (device and maps it to /dev/dm-0, /dev/dm-1, etc. (as device 253).

My questions are:

- 1) Is there a way to mount mapped devices from within a VPS? If so, what is needed to set it up?
- 2) If necessary, I can probably get rid of the mapped device using dmsetup. Will /dev/sda from the hardware node then become available from within the VPSs for dedicated partition mounts using /etc/fstab (granted, I would need to create the /dev entries for the VPSs)?

Thanks to anyone who has answers to this problem.

rollinw

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