

fedora: ext3 and 512Mb vs. 256Mb RAM

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I have instaled Fedora Core 1 with all partitions as ext3, including root (/) partition. Initially, I have 512MB RAM.

Now I noticed that there is actually a problem with the other half of RAM. I have a faulty memory, the one from 256-512 RAM (tested via memtest)

So I added mem=256M as a kernel parameter in /boot/grub/menu.lst.

Now I noticed that my root partition (only) is no longer being mounted as ext3 but as ext2 only, as shown by dmesg.

If I remove the mem parameter, the root parition is mounted as ext3 (but I would get crashes / panics later on when the fauly part of my RAM is accessed).

Why would my root partition be mounted as ext2 only if I added the mem parameter ?