

partition weirdness

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-09/1046.html>

From: Aaron Dewell (*acd_at_woods.net*)

Date: 09/04/03

Date: Wed, 3 Sep 2003 18:07:52 -0600 (MDT)

To: linux-kernel@vger.kernel.org

Hi all,

I'm having an odd problem with one of my disks. This disk has been through a lot in the last week and a half, including being re-written with dd repeatedly (from an image originally taken by dd), hexedited, etc. It started in an Ultrasparc, and now lives in a PC, has a sun disklabel, and has stuff on it that I want from when it was in the ultra. The ultra was running 2.4.19-rc1, the PC originally had the same, has since been upgraded to 2.4.22-ac1.

The problem is this: the partition table is recognized, but the individual partitions (the ones I care about) are zero, that is to say, they contain the right size of zeros. The disk device itself, at the partition table boundaries, is not zero, and I can't explain this discrepancy. On the disk, there seem to be correct and valid superblocks at the right places, they just don't exist in the partition devices.

i.e. read from /dev/discs/disc2/part4 (or 6 or 7) is all zeros
/dev/discs/disc2/part1 (/) is a valid ext3 filesystem, as is part3 and disc.
part2 was swap, there is stuff in there, but I don't care about it.

Of course, the ones I want the information from is 4, 6, and 7.

A related question: If I have the dd image of the disk, shouldn't I be able to cut it at the right places, put that in a new file, and mount that? i.e. 'mount -o loop -r filename /mnt', but when I do that, e2fsck says bad magic number in superblock, however, e2dump -s can read it fine. (none of the other flags to e2dump works, however.) If I can slice up the disk into files and read those, that works too, so solving either problem is adequate.

Any suggestions? I appreciate any help.

Thanks!

Aaron

—

Linux-Kernel: partition weirdness

To unsubscribe from this list: send the line "unsubscribe linux-kernel" in the body of a message to majordomo@vger.kernel.org
More majordomo info at <http://vger.kernel.org/majordomo-info.html>
Please read the FAQ at <http://www.tux.org/lkml/>