

[SLE] Recover question – no kernel

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2005-03/3547.html>

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To: suse-linux-e@suse.com

I have a need to reinstall the kernel on a SuSE 9.2 box using the install CDs and booting into rescue mode. The original root partition was at /dev/hda4 and the original /boot was /dev/hda2. Both / and /boot are resierfs. Kernel source and binary RPMS exist on the original / (/dev/hda4) under /home/raw/kernel. Here at the steps I am taking and the issue I keep on facing:

- 1) Boot off SuSE 9.2 CD1, choose Rescue, login as root.
- 2) cd /mnt. Then mkdir t4. Then mount /dev/hda4 /mnt/t4.
- 3) chroot /mnt/t4.
- 4) mount /dev/hda2 /boot

At this point, my file system is back the way it used to be before I destroyed the kernel. Now to install the kernel I have tried using the binary rpms as well as compiling the installing from sources. The problem is that both steps, installing the binary RPMs or making from source, apparently look for information under /sys. In my case, /sys goes away at step (3) above. I understand /sys is a "virtual" file system. My question is how do I get my kernel back? I would like to install a binary RPM instead of compiling and installing my own. However, even when installing from the binary RPM, I see complaints about being unable to find items under /sys. I think this makes it unable to produce a proper initrd, and as a result of which, even though the RPM appears to install fine and I see all the proper looking files at all the right places, on a reboot the machine complains about waiting for /dev/hda4 and then gives up.

It seems that the use of /sys severely hinders a quick recovery, such as simply booting as in steps (1) through (4) above and installing the binary kernel RPM.

Thanks in advance for any help

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--Moby

They that can give up essential liberty to obtain a little temporary safety deserve neither liberty nor safety. First they came for the Jews and I did not speak out because I was not a Jew. Then they came for the Communists and I did not speak out because I was not a Communist. Then they came for the trade unionists and I did not speak out because I was not a trade unionist.

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Then they came for me and there was no one left to speak out for me. -- Pastor Martin Niemöller
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