

## Re: Post-halloween doc updates.

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2003-10/6265.html>

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**From:** Dave Jones ([davej\\_at\\_redhat.com](mailto:davej_at_redhat.com))

**Date:** 10/30/03

Date: Thu, 30 Oct 2003 15:18:31 +0000

To: Jeff Garzik <[jgarzik@pobox.com](mailto:jgarzik@pobox.com)>

On Thu, Oct 30, 2003 at 10:05:40AM -0500, Jeff Garzik wrote:

> > (usually notable by a NIC not getting a DHCP lease for eg, despite being  
> > sent one by the server). Booting with "noapic" "acpi=off" or a  
> > combination  
> > of both fixes this for most people. Additional breakage reports should go  
> > to Jeff Garzik <[jgarzik@pobox.com](mailto:jgarzik@pobox.com)>  
> As this is a symptom of irq routing failure, I dunno if bug reports  
> should necessarily go to me :)

Sorry, you just looked guilty 8-)

Removed that last bit.

> > Stuff needing forward porting from 2.4.  
> > ~~~~~  
> > - HFSPlus  
> I think Roman Zippel updated this recently?

> > - Direct booting from floppy is no longer supported.  
> > You should now use a boot loader program instead.  
> hmmm, what does this mean?

it means you now need syslinux.

> "make bzdisk" continues to work... it requires syslinux, however, so  
> that the makefile may install the syslinux bootloader on the floppy.

Added a note mentioning that.

> > - For Red Hat users, there's another pitfall in "/etc/rc.sysinit".  
> > .... deletia  
> Is this all still true?

Possibly not, I'll look into this.

> > o Most PCMCIA devices have unload races and may oops on eject  
> > o Modular IDE does not yet work, modular IDE PCI modules sometimes

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- > > *oops on loading*
- > > *o ide\_scsi is completely broken in 2.6 currently. Known problem.*
- > > *If you need it either use 2.4 or fix it 8)*
- > *also perhaps add a mention of new and spiffy Serial ATA drivers :)*

See the very last line of of the doc 8-)

- > >- *Jens Axboe added the ability to use DMA for writing CDs on*
- > > *ATAPI devices. Writing CDs should be much faster than it*
- > > *was in 2.4, and also less prone to buffer underruns and the like.*
- > >- *With a recent cdrecord, you also no longer need ide-scsi in order to use*
- > > *an IDE CD writer.*
- > *Maybe add a pointer in the IDE section, pointing to this section? Since*
- > *they both mention ide-scsi...*

Done.

- > >devfs.
- > >~~~~~
- > >- *devfs got somewhat stripped down and a lot of duplicate functionality*
- > > *got removed. You now need to enable CONFIG\_DEVPTS\_FS=y and mount*
- > > *the devpts filesystem in the same manner you would if you were not*
- > > *using devfs.*
- > *Wasn't this mentioned elsewhere in the document?*

briefly in the 'obsolete' section. the filesystem changes section typically has more info.

- > >Improved BIOS table support.
- > >~~~~~
- > >- *Linux now supports various new BIOS extensions.*
- >
- > *This is a bit vague. Even I have no idea what this refers to :)*

Then read on...

SBF, EDD & IPMI

- > *I dunno how much there is to add, but I just have a general feeling that*
- > *software suspend and ACPI sleep state support has progressed since this*
- > *was written.*

last I tried both were quite dismal, that was a few months back though.

- > >Compiler issues.
- > >~~~~~
- > >- *The recommended compiler (for x86) is still 2.95.3.*
- >
- > *I'm not sure this is still the case, in practice. Recent times have*
- > *seen people breaking 2.95.x, which did not support the C99/C++ style of*
- > *mixing variable declarations and code. People would forget this, and we*
- > *only find out a few days later that the 2.95.x build was broken.*

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\*nod\*, more and more distros are now shipping gcc3 as their stock compiler, so it's likely at some point things are going to change.

> > *'process xxx using obsolete setsockopt SO\_BSDCOMPAT' .*  
> > *- Bind 9.2.2 checks for #ifdef SO\_BSDCOMPAT in <asm/socket.h> correctly,*  
> > *so a recompile is all that is needed.*  
> > *- bind9-host from debian testing triggers, though the 'host' package*  
> > *doesn't.*  
> > *- process `snmpd' is using obsolete setsockopt SO\_BSDCOMPAT*  
> > *- process `snmptrapd' is using obsolete setsockopt SO\_BSDCOMPAT*  
> > *- ntop uses obsolete (PF\_INET,SOCK\_PACKET)*  
>  
> *Wasn't there a recent lkml thread relating to this?*

not that I recall.

Thanks for the comments.

Dave

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