

## Kernel vanilla 2.6.30-RC7

Written by  
Sunday, 24 May 2009 08:22

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È disponibile un nuovo kernel 2.6.30-rc7 settimo rilascio da <http://www.kernel.org/>

Ricordo che questo kernel è usabile con attenzione ma che manca di tutte le patch e moduli 3rdparty tipiche dei kernel Mandriva non essendo quello ufficiale di Mandriva.

Merge [git://git.kernel.org/pub/scm/linux/kernel/git/jejb/scsi-rc-fixes-2.6](http://git.kernel.org/pub/scm/linux/kernel/git/jejb/scsi-rc-fixes-2.6)

\* [git://git.kernel.org/pub/scm/linux/kernel/git/jejb/scsi-rc-fixes-2.6](http://git.kernel.org/pub/scm/linux/kernel/git/jejb/scsi-rc-fixes-2.6):

[SCSI] mpt2sas: fix driver version inconsistency

[SCSI] 3w-xxxx: scsi\_dma\_unmap fix

[SCSI] 3w-9xxx: scsi\_dma\_unmap fix

[SCSI] ses: fix problems caused by empty SES provided name

[SCSI] fc-transport: Close state transition-window during rport deletion.

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[SCSI] initialize max\_target\_blocked in scsi\_alloc\_target  
[SCSI] fnic: Add new Cisco PCI-Express FCoE HBA

commit 3eb9c8be0cc56619571b675a688001f2ddb25c90

Merge git://git.kernel.org/pub/scm/linux/kernel/git/sfrench/cifs-2.6

\* git://git.kernel.org/pub/scm/linux/kernel/git/sfrench/cifs-2.6:  
[CIFS] Avoid open on possible directories since Samba now rejects them

commit 8db14ca12569fe885694bd3d5ff84c2d973d3cb0

[CIFS] Avoid open on possible directories since Samba now rejects them

Small change (mostly formatting) to limit lookup based open calls to file create only.

After discussion yesterday on samba-technical about the posix lookup regression, and looking at a problem with cifs posix open to one particular Samba version, Jeff and JRA realized that Samba server's behavior changed in this area (posix open behavior on files vs. directories). To make this behavior consistent, JRA just made a fix to Samba server to alter how it handles open of directories (now returning the equivalent of EISDIR instead of success). Since we don't know at lookup time whether the inode is a directory or file (and thus whether posix open will succeed with most current Samba server), this change avoids the posix open code on lookup open (just issues posix open on creates). This gets the semantic benefits we want (atomicity, posix byte range locks, improved write semantics on newly created files) and file create still is fast, and we avoid the problem that Jeff noticed yesterday with "openat" (and some open directory calls) of non-cached directories to one version of Samba server, and will work with future Samba versions (which include the fix jra just pushed into Samba server). I confirmed this approach with jra yesterday and with Shirish today.

Posix open is only called (at lookup time) for file create now. For opens (rather than creates), because we do not know if it is a file or directory yet, and current Samba no longer allows us to do posix open on dirs, we could end up wasting an open call on what turns out to be a dir. For file opens, we wait to call posix open till cifs\_open. It could be added here (lookup) in the future but the performance tradeoff of the extra network request when EISDIR or EACCES is returned would have to be weighed against the 50% reduction in network traffic in the other paths.

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commit 95caa0a9bdaf93607bd0cc8932f53112496f2f22

icom: fix rmmod crash

Actually the icom driver is crashing when is being removed because the driver is kfreeing the adapter structure before calling pci\_release\_regions(), which result in the following error:

```
Unable to handle kernel paging request for data at address 0x6b6b6b6b6b6b6d33
Faulting instruction address: 0xc00000000246b80
Oops: Kernel access of bad area, sig: 11 [#1]
```

....

```
[c000000012d436a0] [c000000001002d0] .kfree+0x120/0x34c (unreliable)
[c000000012d43730] [c00000000246d60] .pci_release_selected_regions+0x3c/0x68
[c000000012d437c0] [d000000002d54700] .icom_kref_release+0xf4/0x118 [icom]
[c000000012d43850] [c00000000232e50] .kref_put+0x74/0x94
[c000000012d438d0] [d000000002d56c58] .icom_remove+0x40/0xa4 [icom]
[c000000012d43960] [c00000000249e48] .pci_device_remove+0x50/0x90
[c000000012d439e0] [c000000002d68d8] .__device_release_driver+0x94/0xd4
[c000000012d43a70] [c000000002d7104] .driver_detach+0xf8/0x12c
[c000000012d43b00] [c000000002d549c] .bus_remove_driver+0xbc/0x11c
[c000000012d43b90] [c000000002d71dc] .driver_unregister+0x60/0x80
[c000000012d43c20] [c0000000024a07c] .pci_unregister_driver+0x44/0xe8
[c000000012d43cb0] [d000000002d56bf4] .icom_exit+0x1c/0x40 [icom]
[c000000012d43d30] [c00000000095fa8] .SyS_delete_module+0x214/0x2a8
[c000000012d43e30] [c0000000000852c] syscall_exit+0x0/0x40
```

Potete scaricarlo da [qui](#) , al solito tasto destro salva destinazione con nome.

Ecco il [log](#) dei fix.

ciao.

grissino.

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