

Linux live CD distribucije

kako, zašto i što je slijedeći korak?

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O čemu ćemo govoriti?

- kompleksna instalacija nekog rješenja na Linuxu
- Live CD
- Knoppix
- modifikacije
- Hacking Knoppix
- kako riješiti problem reboota i instalacije uz Windowse
- virtualizatori i emulacije Linuxa
- coLinux
- početak jednog Open Source projekta?





- Debian GNU/Linux
- PostgreSQL
- Apache
 - mod_gzip
- PHP
 - eAccelerator
 - Smarty
- MemCache
- swish-e
- 50Mb .tar.gz i duga lista ovisnosti
- instalacijski CD-ROM
- live CD (reboot)



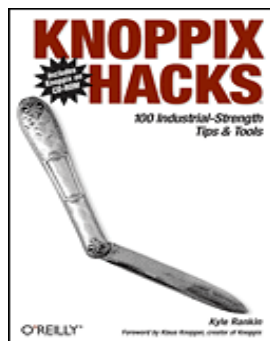
Knoppix

- bootable CD
- automatska detekcija HW
- tmpfs za RW disk
- ~2G RO prostora

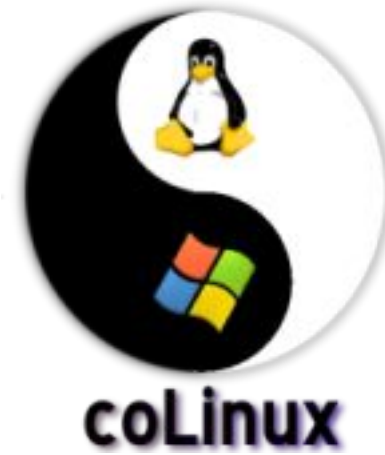


"Software-Patents" in Europe: The threat prevails

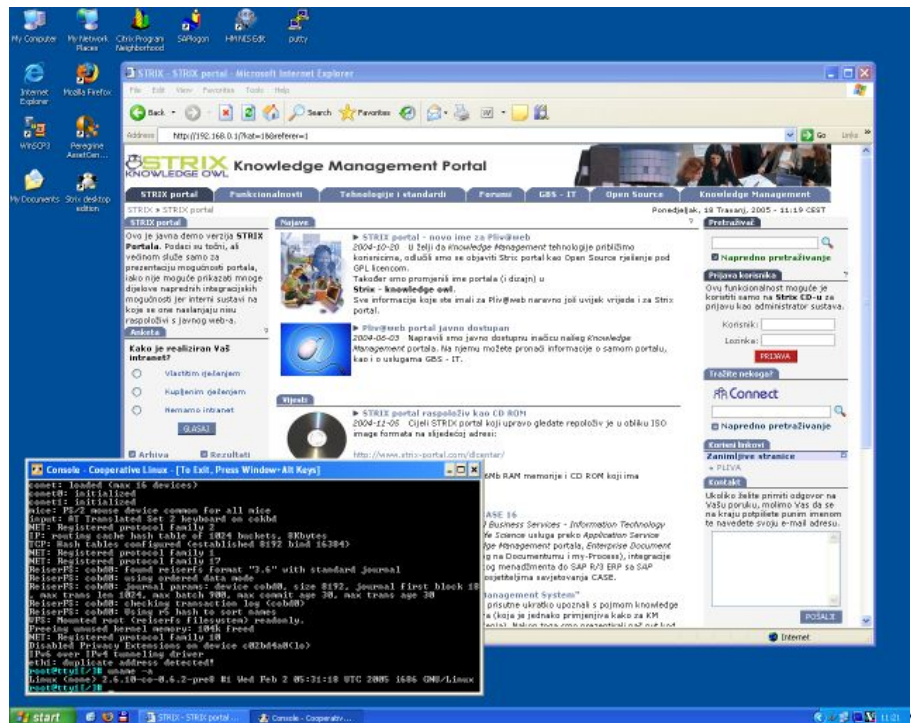
Soon the European Parliament and the Council of Ministers will again decide about the legalisation and adoption of so-called "software patents" in Europe, which are already used by large companies in other countries to put competitors out of business. This can lead to the termination of many software projects such as KNOPPIX, at least within Europe, because the holders of the over 30,000 already granted "software patents" (currently without a legal foundation) can claim exclusive rights and collect license fees for trivial things like "progress bars", "mouseclicks on online order forms", "scrolling within a window" and similar. That way, software developers will have to pay the "software-patentholders" for using these features, even in their own, completely self-developed applications, which can completely stall the development of innovative software for small and medium companies. Apart from this, the expense for patent inquiries and legal assistance is high, for even trying to find out if the self-developed software is possibly violating "software-patents", if you want to continue to market your software. Contrary to real patents, "software-patents" are, in the draft proposed by the commission, monopolization of business ideas and methods, even without any tangible technical implementation.



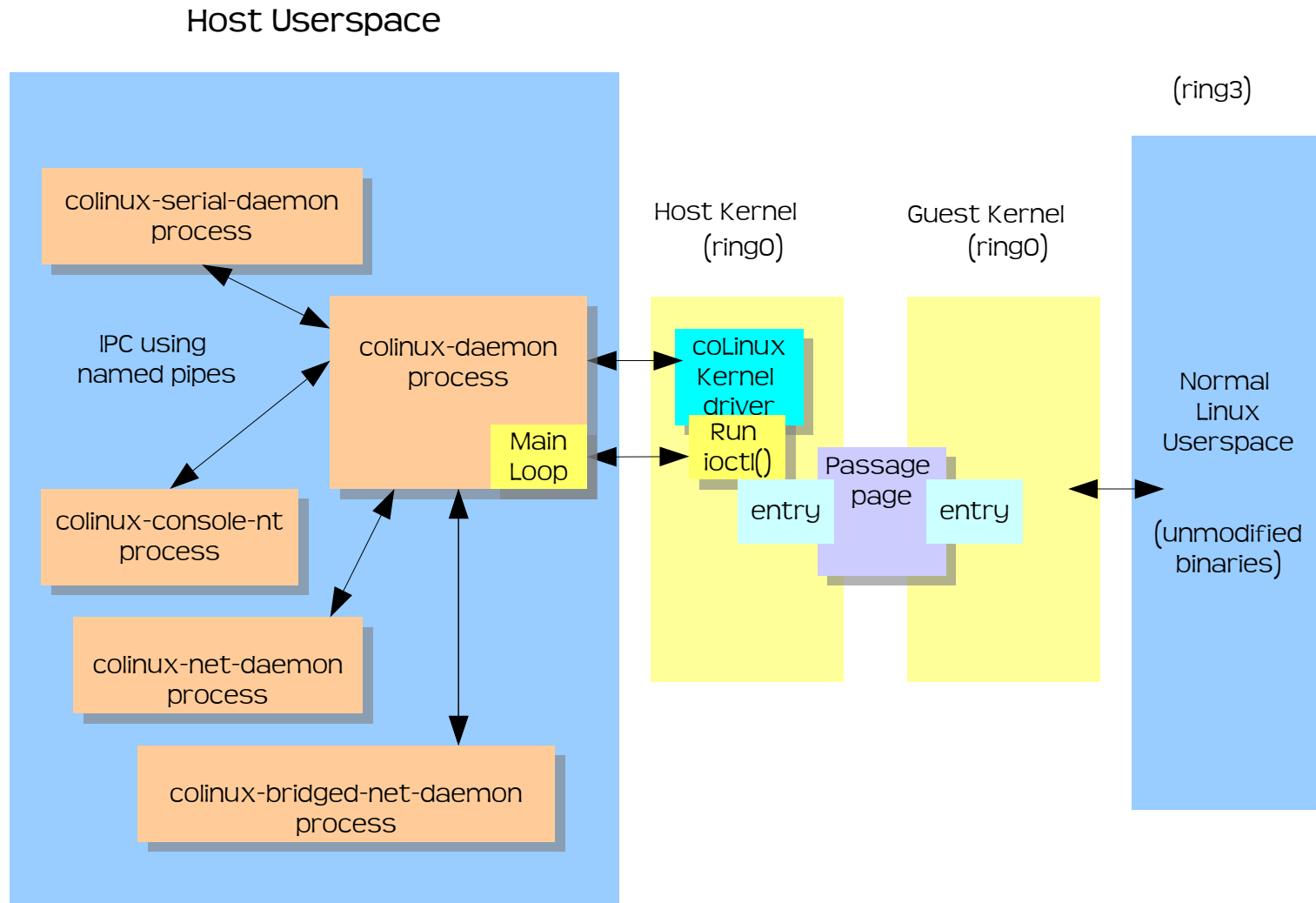
coLinux



- Linux kernel patch
- guest kernel u ringu 0 procesora
- ima fiksnu količinu memorije
- jednako brz kao native kod
- Win 2000/XP



Overview of the Cooperative Linux architecture



Eygwin



QEMU

- native instalacija na Windowse
- zahtjeva posebno održavanje binarnih verzija svih korištenih projekata
- PostgreSQL performanse na Windowsima i Linux-u se razlikuju 10x
- postoji verzija za Windowse
- emulira cijeli x86 hardware (vmware-like), sporiji
- koristan kod testiranja ISO imagea



Testiranje na Linux-u

- chroot jail
 - hum, jesam li napisao ovu skriptu ispravno?
- user-mode-linux
 - slično coLinux-u, bootajte svoju distribuciju
- Xen
 - virtualna mašina sa posebnim kernelom
- QEMU
 - kernel moduli za bolje performanse

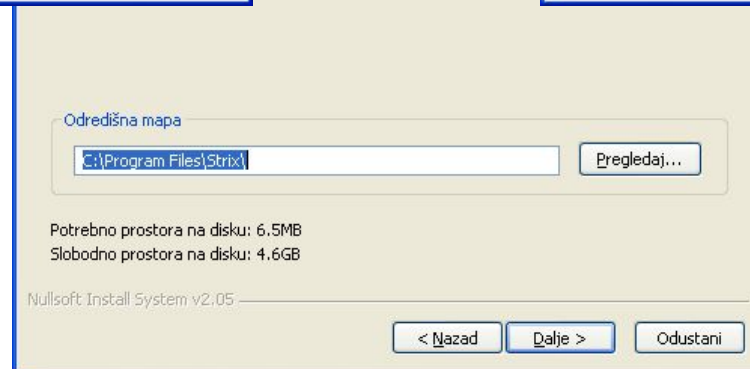
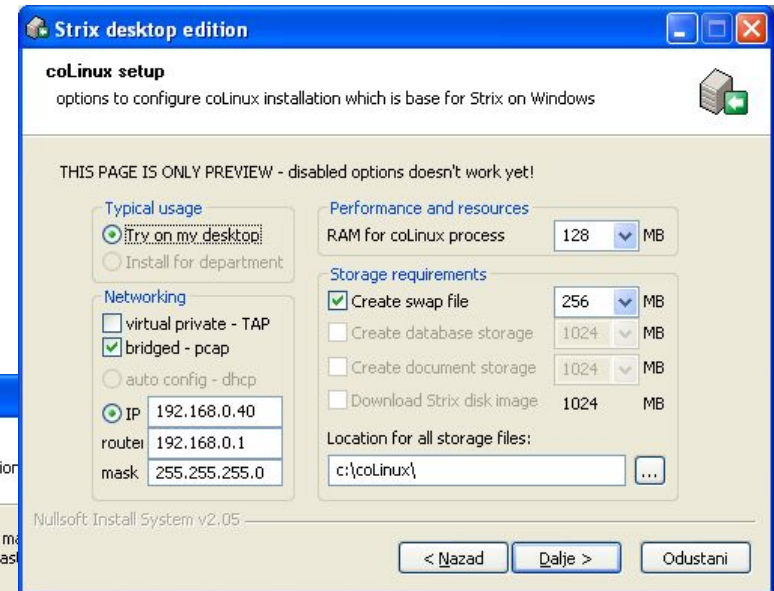


Open Source projekt?

- Jednostavna instalacija Knoppix bazirane distribucije na Windowse korištenjem coLinux-a
- grafički setup program
 - Nullsoft Scriptable Install System
- kreira sparse disk image
- dekompresija cloop ISO filesystema na disk
- podešava mrežne postavke



coLinux setup



World domination!

- live CD-ROM za isprobavanje
- coLinux instalacija za Windows računala
 - manje grupe korisnika, nema Linux servera
- instalacija sa Live CDa na disk
 - bolje performanse, više prostora



Pitanja?



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