

Τρέχοντας Linux πάνω απο τα Windows

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Φωτογραφίες και λογότυπα που παρουσιάζονται είναι
σήματα κατατεθέντα των αντίστοιχων εταιρειών

Εισαγωγή

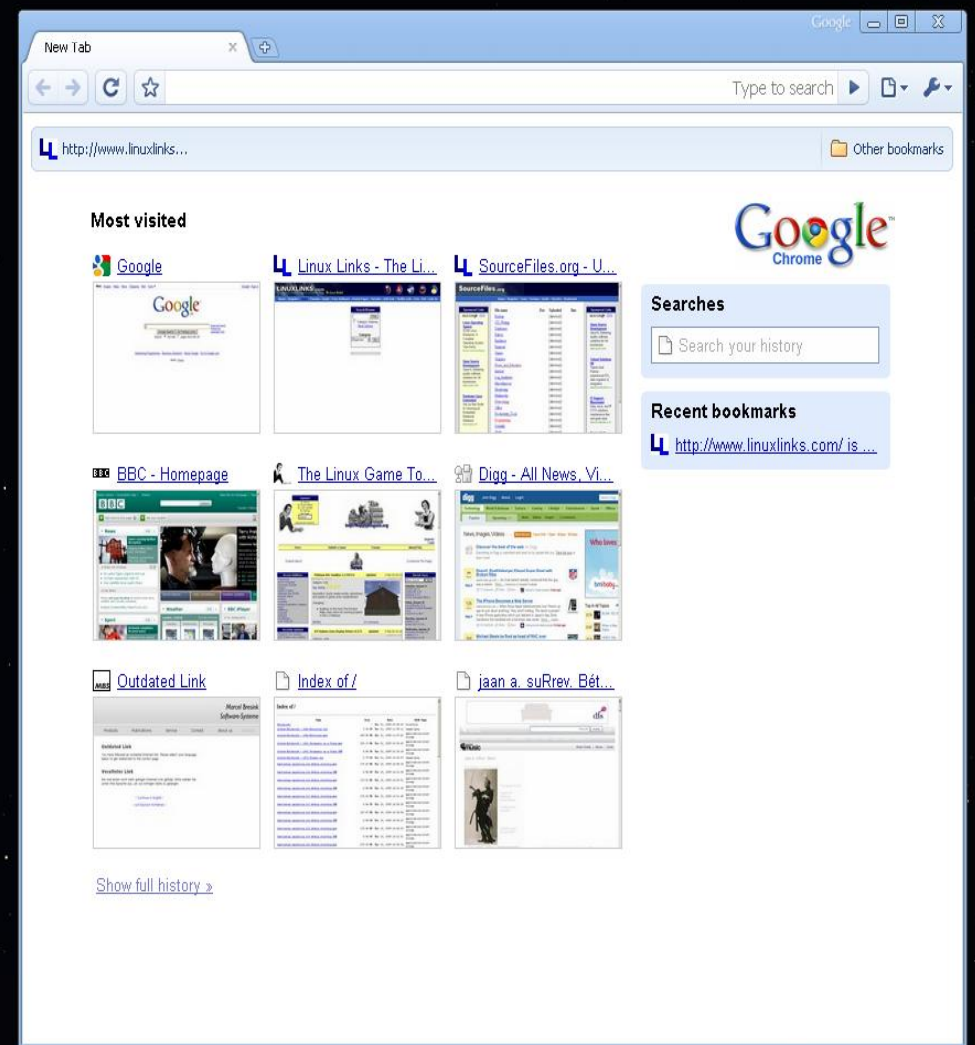
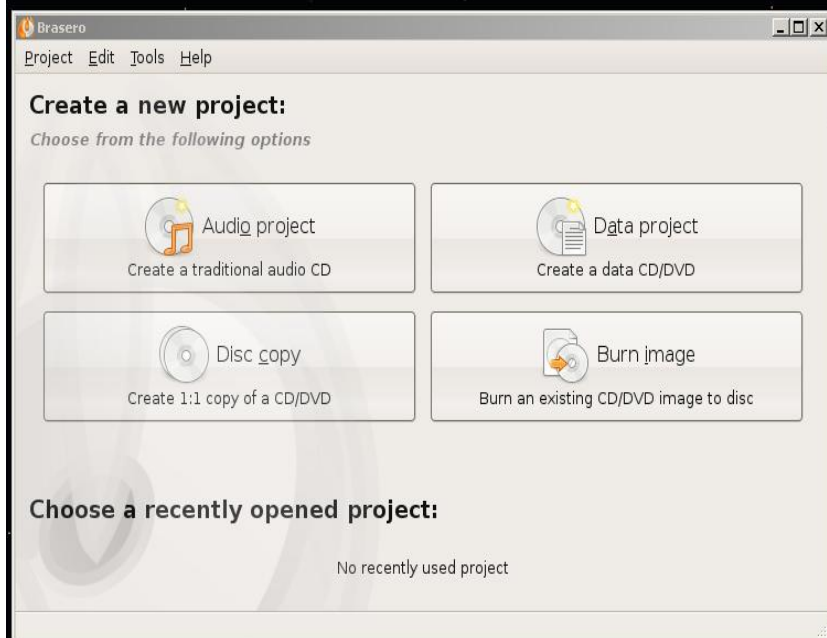
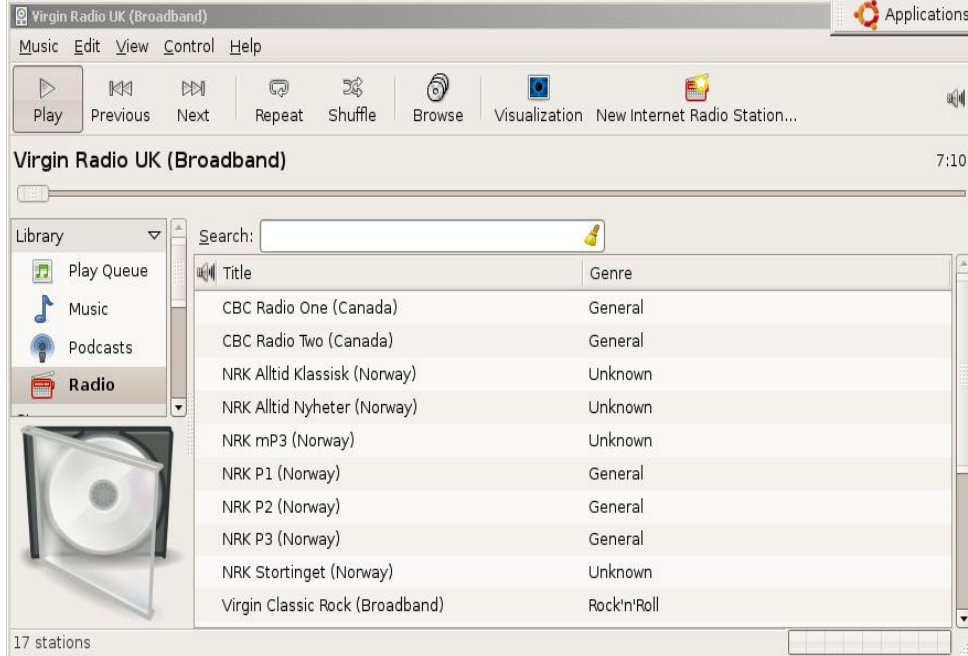
Πολλοί θα θέλαμε να πειραματιστούμε με το Linux αλλά δεν μπορούμε να διαθέσουμε έναν Η/Υ για το σκοπό αυτό, είτε λόγω κόστους, είτε λόγω έλλειψης εμπειρίας στην εγκατάσταση, είτε λόγω έλλειψης χρόνου

Και όμως υπάρχουν **δωρεάν** τρόποι γι'αυτό, χωρίς αγορά νέου hardware ή τον κίνδυνο να χαλάσουμε την Windows εγκατάστασή μας με partitions, format κ.λ.π. στο σκληρό δίσκο ή με τη χρήση Linux Live CDs που είναι αρκετά περιοριστική για το χρήστη

Ας δούμε πως.....

1ος Τρόπος: Portable Ubuntu Remix

- Εύκολο στην εγκατάσταση/Δωρεάν/Χαμηλό σε απαιτήσεις συστήματος
- Τρέχει μαζί με Windows εφαρμογές
- Πλατφόρμα: 2000 / XP / 7 / Vista / 7
- Τόπος μεταφόρτωσης:
<http://portable.sourceforge.net>



2ος Τρόπος: Cooperative Linux (coLinux)

- Πρόγονος του προηγούμενου
- Μεγάλη ταχύτητα (περίπου μιάς native Linux installation)
- Τρέχει “native” Linux εφαρμογές (π.χ. Servers, compilers, utilities, office suites, MySQL κλπ)
- Αντιπρ. παράδειγμα το Fedora 10
- Δεν έχει ενσωματωμένα γραφικά. Ο X server (προαιρετικά) χρειάζεται να εγκατασταθεί στα Windows). Αλλιώς το Xming, τον VNC server ή έστω την FLTK console.
- Απαιτεί σχετικά έμπειρους χρήστες για την εγκατάσταση
- Τόπος μεταφόρτωσης: <http://colinux.org>

```
-rwxr-xr-x 1 root root 5292 Dec 18 07:33 yum-builddep
-rwxr-xr-x 1 root root 5877 Dec 18 07:33 yum-debug-dump
-rwxr-xr-x 1 root root 11255 Dec 18 07:33 yum-groups-manager
-rwxr-xr-x 1 root root 12497 Dec 18 07:33 yumdownloader
-rwxr-xr-x 1 root root 5920 Jun 5 2008 zap
-rwxr-xr-x 1 root root 67 Sep 1 2008 zcmp
-rwxr-xr-x 1 root root 4418 Sep 1 2008 zdiff
-rwxr-xr-x 1 root root 62 Sep 1 2008 zegrep
-rwxr-xr-x 1 root root 64484 Jan 15 21:07 zenity
-rwxr-xr-x 1 root root 62 Sep 1 2008 zfgrep
-rwxr-xr-x 1 root root 2022 Sep 1 2008 zforce
-rwxr-xr-x 1 root root 4975 Sep 1 2008 zgrep
-rwxr-xr-x 1 root root 72432 Feb 21 2008 zip
-rwxr-xr-x 1 root root 28084 Feb 21 2008 zipcloak
-rwxr-xr-x 1 root root 8384 Feb 9 2008 zipcmp
-rwxr-xr-x 1 root root 1188 Oct 24 2003 zipgrep
-rwxr-xr-x 2 root root 128880 Mar 19 2008 zipinfo
-rwxr-xr-x 1 root root 7904 Feb 9 2008 zipmerge
-rwxr-xr-x 1 root root 26800 Feb 21 2008 zipnote
-rwxr-xr-x 1 root root 27408 Feb 21 2008 zipsplit
-rwxr-xr-x 1 root root 1731 Sep 1 2008 zless
-rwxr-xr-x 1 root root 2605 Sep 1 2008 zmore
-rwxr-xr-x 1 root root 5246 Sep 1 2008 znew
lrwxrwxrwx 1 root root 6 Mar 1 02:09 zsoelim -> soelim
-bash-3.2#
```

Cooperative Linux console started
Monitor4492: Attached

3ος Τρόπος: **VMware Player 7.0**

- Εύκολο στη χρήση/Δωρεάν/32 & 64 bit
- Προσφέρεται για πειραματισμούς
- Ετοιμα images στο <http://thoughtpolice.co.uk>
(CentOS, Debian, Fedora, FreeBSD, SUSE, Ubuntu)
- Προτιμήστε image με VMware Tools μέσα για καλύτερη επίδοση του host συστήματός σας
- Τόπος μεταφόρτωσης: <http://vmware.com>

Hostage captain rescued; Navy snipers kill 3 pirates - CNN.com - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://edition.cnn.com/2009/WORLD/africa/04/12/somalia.pirates/index.html

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Navy snipers kill 3 pirates

- American captain freed after being held hostage by pirates since Wednesday
- Richard Phillips 'is in good health,' Navy officer says
- Fourth pirate taken into custody

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TEXT SIZE

MANAMA, Bahrain (CNN) -- U.S. Navy snipers fatally shot three pirates holding an American cargo-ship captain hostage after seeing that one of the pirates "had an AK-47 leveled at the captain's back," a military official said Sunday.



Capt. Richard Phillips, right, stands with U.S. Navy Cmdr. Frank Castellano after Phillips' rescue Sunday.

The captain, who'd been held in a lifeboat in the Indian Ocean since Wednesday, was rescued uninjured, Navy Vice Adm. Bill Gortney told reporters.

Capt. Richard Phillips' ship, the Maersk Alabama, was stormed by pirates 300 miles off Somalia on Wednesday morning. He was "resting comfortably" on the USS Boxer after his rescue Sunday night, according to the Navy.

Phillips contacted his family and received a routine medical exam after his rescue at 7:19 p.m. (12:19 p.m. ET), the Navy Central Command said.

"The captain is in good health. He's showered up and in a clean set of clothes," Gortney said in a telephone news conference from Navy Central Command in Bahrain.

U.S. forces moved to rescue Phillips after seeing him in imminent danger on the lifeboat, Gortney said. A fourth pirate was negotiating Phillips' fate aboard the nearby USS Bainbridge.

"While working through the negotiations process tonight, the on-scene commander from the Bainbridge made the decision that the captain's life was in immediate danger, and the three **pirates** were killed," Gortney said. "The pirate who surrendered earlier today is being treated humanely; his counterparts who continued to fight paid with their lives."

The three pirates, who were armed with AK-47 rifles, were killed by shooters who were aboard the Bainbridge, Gortney said. [Watch how U.S. forces believed Phillips was in danger »](#)

Don't Miss

- In the Field Blog: [Snippets of fear and bravery](#)
- Source: [Pirates repel](#)

The on-scene commander gave the shooters approval to open fire after seeing that "one of the pirates had an AK-47 leveled at the captain's back," Gortney said.

The fourth pirate was aboard the Bainbridge most of the day



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7	Flu ends Thornton's Canadian tour
8	Bolivian leader in hunger strike
9	Harrelson: I thought he was zombie

Done

4ος Τρόπος: VMware (GSX) Server 2.0.2

- Δωρεάν τρόπος για server virtualization δηλ. δημιουργία και χρήση πολλών, διαφορετικών, virtual machines (ενδεχομένως) με διαφορετικά O.S.'s σε ένα φυσικό server δίνοντας remote access δυνατότητες σε clients.
- Web-based interface
- Υποστήριξη MS Virtual PC και πολλών διανομών Linux
- Τόπος μεταφόρτωσης: <http://www.vmware.com>



VMware Infrastructure Web Access (sde@vostro)

Application Virtual Machine Administration



Help | Virtual Appliance Marketplace | Log Out

Inventory

▼  vostro Virtual Machine Virtual MachineSummary    

Performance

 **Processors** 2 X 4.544 GHz 0.261 GHz **Memory** 512 MB 384 MB

Notes

[Edit](#)

Hardware

	Processors	2
	Memory	512 MB
	Hard Disk 1 (SCSI 0:0)	8.00 GB
	Network Adapter 1	Bridged
	CD/DVD Drive 1 (IDE 1:0)	Using file linux.iso
	SCSI Controller 0	LSI Logic
	USB Controller	Auto connect enabled
	Audio	, Realtek HD Audio output

VMware Tips



Looks like you're running a large workload. Want greater protection and high availability for critical applications?

[Learn More.](#)

Status

Power State

Powered On 

Guest OS

Ubuntu Linux (32-bit) 

VMware Tools

▶ Running 

Virtual Hardware Version

Version 7

DNS Name

sde-desktop

IP Addresses

- fe80::20c:29ff:febe:ec55/64
- 192.168.1.74

Commands

- [Power Off](#)
- [Suspend](#)
- [Reset](#)
- [Restart Guest](#)
- [Shut Down Guest](#)
- [Suspend Guest](#)

Task	Target	Status	Triggered At ▼	Triggered by	Completed At
------	--------	--------	----------------	--------------	--------------



5ος Τρόπος: VirtualBox

- Ίσως ο πιο διαδεδομένος τρόπος δημιουργίας VM (Virtual Machine) από την Java (Oracle).
- Υποστήριξη virtual USB controller, Network και audio driver
- Υποστήριξη RDP, USB over RDP, SATA & iSCSI initiator
- Για καλύτερη επίδοση της VM να χρησιμοποιούμε το Linux Guest Addition
- Τόπος μεταφόρτωσης:
<http://www.virtualbox.org>



New



Settings



Start



Discard



linux

Powered Off



Details



Snapshots



Description

**General**

Name: linux
OS Type: Ubuntu
Base Memory: 288 MB
Video Memory: 12 MB
Boot Order: Floppy, CD/DVD-ROM, Hard Disk
ACPI: Enabled
IO APIC: Disabled
VT-x/AMD-V: Enabled
Nested Paging: Disabled
PAE/NX: Disabled
3D Acceleration: Enabled

**Hard Disks**

IDE Primary Master: linux.vdi (Normal, 8.00 GB)

**CD/DVD-ROM**

Image: VBoxGuestAdditions.iso

**Floppy**

Not mounted

**Audio**

Host Driver: Windows DirectSound
Controller: ICH AC97

**Network**

Adapter 1: PCnet-FAST III (NAT)

**Serial Ports**

Disabled

6ος Τρόπος: MS Virtual PC 2007

- Ο πλέον παλιός τρόπος δημιουργίας VM
- Φαίνεται πια η ηλικία του...
- Συνιστάται μόνο για 32-bit Microsoft O.S.'s
- Θεματάκια με τις Linux διανομές
- Συνιστώνται τα Virtual Machine Additions για καλύτερες επιδόσεις
- “Φορτώνει” (mounds) CDs & DVDs κατευθείαν
- Τόπος μεταφόρτωσης:
<http://www.microsoft.com>

Create a new project:

Ch

virtual - Dictionary

File Edit View Go Help

Look up: virtual

Virtual

Virtual *Vir*tu*al* (?; 135), a. [Cf. F. virtuel. See [Virtue](#).]

1. Having the power of acting or of invisible efficacy without the agency of the material or sensible part; potential; energizing.
[1913 Webster]

Heat and cold have a virtual transition, without communication of substance. --Bacon.
[1913 Webster]

Every kind that lives,
Fomented by his virtual power, and warmed. --Milton.

Choose a recently-opened project:

No recently-used project

Paintbrush

Mode: Normal

Opacity: 100.0

Brush: Circle

Scale: 20.0

Brush Dynamic

Fade Out

7ος Τρόπος: QEMU 0.10.2

- Open source Emulator & Virtualizer
- Flexibility / Portability
- Υποστήριξη μεγάλης γκάμας CPU (x86, AMD64, MIPS, ARM, SPARC κλπ)
- Χρησιμοποιείτε το QEMU Manager
- Δεν υπάρχουν έτοιμοι device drivers
- Υποστηρίζει πολλές τεχνικές επικοινωνίας των hosted συστημάτων σε επίπεδο chip
- Φορτώνει Linux kernels χωρίς bootloader
- Υποστήριξη VHD (Virtual HD) & Bluetooth
- Τόπος μεταφόρτωσης: <http://www.qemu.org>

- Applications
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DVD-R & CDR - Blank Media: Reviews and Advice - Mozilla Firefox

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<http://svp.co.uk/>

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Make SVP your One Stop Shop for all your



Belkin Illuminating Male USB A-B Cables

Perfect for locating cables under your desk or just to bring a little light to your workspace, these 90cm USB2.0 cables features a bright LED to illuminate each connector.

£1.05

MORE INFO



AMD Phenom II X4 Quad Core 940 Black Edition 3.0GHz Socket AM2+ - Retail

True Quad-Core Technology. 3.00GHz clock speed, 2MB L2 Cache, 6MB L3 cache, AMD CoolCore Technology, AMD Cool & Quiet v3.0, 3yr Warranty.

£189.99

MORE INFO

Transferring data from ssl.google-analytics.com...

8ος Τρόπος: **Cygwin**

- Δωρεάν πακέτο για την εγκατάσταση ενός Linux περιβάλλοντος στα Windows απο την Red Hat με σκοπό την ανάπτυξη Linux services στα Windows
- Αποτελείται απο μια DLL library και ενα πακέτο εργαλείων (GCC compiler + GDB Debugger)
- Υπάρχουν μεταφρασμένα πολλά daemon services του Linux inetd, syslogd, sshd κλπ όπως και τα: X Window system, K Desktop Environment, GNOME, Apache και TeX στα Windows
- Είναι ο έσχατος τρόπος για όποιον ξέρει να μετατρέψει Linux κώδικα στα Windows, μόνος του
- Τόπος μεταφόρτωσης: <http://www.cygwin.com>

```

xterm
rouby(cmslap6) - xterm -ls &
[2] 3108
rouby(cmslap6) - root
ldd: not found
*****
*      WELCOME to ROOT      *
*      *                    *
*  Version  4.00/07    25 June 2004  *
*  You are welcome to visit our Web site  *
*      http://root.cern.ch      *
*      *                    *
*****

FreeType Engine v2.1.3 used to render TrueType fonts.
Compiled for win32gcc.

CINT/ROOT C/C++ Interpreter version 5.15.138, May 23 2004
Type ? for help. Commands must be C++ statements.
Enclose multiple statements between { }.
root [0] .q
rouby(cmslap6) - root

```

D:\documents\Page Web fynu\x.rouby\files

Fichier Edition Affichage Favoris Outils ?

Précédente Rechercher Dossiers

Dossiers

- documents
 - 0102_PHYS22
 - 0203_DEA
 - 0304
 - 0405
 - autoCAD
 - autres
 - CERN
 - cvs
 - DESY
 - DevC-Cpp
 - flash
 - images

Nom Taille Type Date de modif

- cp3_040615.pdf 772 Ko Adobe Acrobat Doc... 17/06/2004 16
- FHIT.pdf 698 Ko Adobe Acrobat Doc... 12/05/2002 20
- memoire.pdf 2 705 Ko Adobe Acrobat Doc... 16/07/2003 11

xterm

```

rouby(cmslap6) - ls
GNUstep R039 cygdrive d essai.C root script_adsl
LHC.ps.gz.ps c cygwin_check.txt essai.C mail root_old
rouby(cmslap6) - 

```

ROOT

Version 4



Conception: Rene Brun, Fons Rademakers

Lead Developers: Rene Brun, Philippe Canal, Fons Rademakers

Core Engineering: Ilka Antcheva, Maarten Ballintijn, Bertrand Bellenot, Olivier Couet, Valery Fine, Gerardo Ganis, Eddy Offermann, Valery Onuchin

CINT C/C++ Interpreter: Masaharu Goto

Version 4.00/07

gif	5 Ko	Image GIF	29/07/2004 11
gif	229 Ko	Image GIF	29/07/2004 11
_small.gif	0 Ko	Image GIF	29/07/2004 11
ss.gif	4.307 Ko	Image GIF	29/07/2004 12

5.1.26001

(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Xavier>ps

PID	PPID	PGID	WINPID	TTY	UID	
976	1	976	976	con	1004	11:4
464	1	464	464	con	1004	11:5
I 2848	464	2848	3896	0	1004	11:5
2228	2848	2228	356	0	1004	12:1
3108	2848	3108	3740	0	1004	12:1
I 2604	3108	2604	2976	1	1004	12:1
2404	1	2404	2404	con	1004	12:1

C:\Documents and Settings\Xavier>

Miranda IM

Status

meteo (3/3)

- LLN [24C, Fair]
- CERN [23C, Partly Cloudy]
- DESY [22C, Partly Cloudy]

MSN (8/29)

- Fred
- Jérôme
- Michel
- Vincent Boucher
- eaglepat
- Otilia
- Your_rainbow
- Guillaume

ICQ (1/18)

- fred



```

r\local\bin
n
r\X11R6\bin
n
r\X11R6\bin
tex\bin
ystem32
ystem32\Wbem
n
r\X11R6\bin
\files
iles\Fichiers communs\Autodesk Shared\
rogram Files\Fichiers communs\Autodesk Sh
c:\root\bin
c:\Program Files\SSH Communications Security\SSH Sec
c:\root\bin
c:\root\root\bin
c:\root\root\bin
c:\root\bin

```

cygwin_check.txt (Text) --l1--Top--

For information about the GNU Project and its goals, type C-h C-p.

Ευχαριστούμε για την
προσοχή σας !!!

Ερωτήσεις ???