

Kako instalirati Zeroshell na Hard Disk



Zeroshell = multifunkcionalni OS kreiran od
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www.zeroshell.net

Instalacija na hard disk
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Kako instalirati Zeroshell na hard disk:

Ovo kratko uputstvo objašnjava instalaciju Zeroshell distribucije na hard disk.

Odakle početi

Iz web administracije omogućiti SSH

Provjeriti hard disk uređaje

Mountovati USB stick-a i otpakovati Zeroshell sistem na hard disk

Odakle početi:

Otvoriti URL: <http://www.zeroshell.net/eng/download/>

Sa prethodne adrese preuzeti ISO image (slika 1), narezati CD/DVD i pokrenuti sistem sa optičkog uređaja

- [Download](#)
- [On-line Updates](#)
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In greater details:

- [Performances](#)
- [Net Balancer](#)
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- [WiFi Access Point](#)
- [OpenVPN Client](#)
- [OpenVPN Server](#)
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- [OpenDNS](#)
- [Kerberos 5](#)
- [NIS and LDAP](#)
- [X.509 Certificates](#)
- [RADIUS](#)
- [Captive Portal](#)
- [VPN](#)
- [Firewall](#)



Description	Release	Date	File	Size
Iso image for CD	1.0.beta14	January 16, 2011	ZeroShell-1.0.beta14.iso	152MB
1GB image for IDE, SATA e USB disks	1.0.beta14	January 16, 2011	ZeroShell-1.0.beta14-CompactFlash-IDE-USB-SATA-1GB.img.gz	164MB
1GB Compact Flash for WRAP, ALIX, Soekris 4801 and 5501	1.0.beta14	January 16, 2011	ZeroShell-1.0.beta14-ALIX-CompactFlash-1GB.img.gz	164MB
VMWare Virtual Machine	1.0.beta14	January 16, 2011	ZeroShell-1.0.beta14-VMWARE.zip	132MB
Iso image for CD	1.0.beta13	July 2, 2010	ZeroShell-1.0.beta13.iso	146MB
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VMWare Virtual Machine	1.0.beta13	July 2, 2010	ZeroShell-1.0.beta13-VMWARE.zip	125MB
Iso image for CD	1.0.beta12	May 26, 2009	ZeroShell-1.0.beta12.iso	138MB
1GB image for IDE, SATA e USB disks	1.0.beta12	May 26, 2009	ZeroShell-1.0.beta12-CompactFlash-IDE-USB-SATA-1GB.img.gz	124MB
1GB Compact Flash for WRAP, ALIX, Soekris 4801 and 5501	1.0.beta12	May 26, 2009	ZeroShell-1.0.beta12-ALIX-CompactFlash-1GB.img.gz	124MB
VMWare Virtual Machine	1.0.beta12	May 26,	ZeroShell-1.0.beta12-	117MB

Slika 1 – označen ISO image na zeroshell download adresi

Pokrenuti Zeroshell sa CD/DVD uređaja.

Da bismo instalirali Zeroshell na hard disk, nećemo koristiti wizard (kao u instalacijama ostalih Linux distribucija), nego ćemo preuzeti img fajl (kompresovan u gz formatu) sa oficijelnog sajta (slika 2) i zatim otpakovati img fajl na hard disk ili USB stick

Otvoriti URL: <http://www.zeroshell.net/eng/download/>
 Sa prethodne adrese preuzeti IMG.GZ fajl i snimiti ga na USB stick.

- [Download](#)
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1GB Compact Flash for WRAP, ALIX, Soekris 4801 and 5501	1.0.beta14	January 16, 2011	ZeroShell-1.0.beta14-ALIX-CompactFlash-1GB.img.gz	164MB
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Slika 2 – označen IMG image na zeroshell download adresi

Omogućiti SSH konekciju u web administracionom okruženju:

U web okruženju omogućiti SSH prikciju img fajla na hard diskstup za IP adresu sa koje ćemo da uradimo (slika 3.)

The screenshot displays the Zeroshell web administration interface. The top navigation bar includes 'About', 'Logout', 'Reboot', 'Shutdown', 'https', 'SSH', 'Startup/Cron', and 'Logs'. The 'SSH' tab is selected and highlighted with a red circle and a blue question mark. The main content area is titled 'AutoUpdate Settings' and shows 'Status: Active' and a 'Check Interval' of '6 hours'. Below this, there are sections for 'Available Updates' and 'Installed Updates', both showing 'No updates available for release 1.0.beta14'. A 'Message Board' on the right contains several update announcements, including one for Zeroshell 1.0.beta14 on January 16, 2011, and another for 1.0.beta13 on July 2, 2010. The left sidebar contains a menu with categories: SYSTEM (Setup, Logs, Utilities), USERS (Users, Groups, LDAP / NIS, RADIUS, Captive Portal), NETWORK (Hosts, Router, DNS, DHCP, VPN, QoS, Wireless, Net Balancer), and SECURITY (Kerberos 5, Firewall, X.509 CA, HTTP Proxy). The 'Setup' option in the SYSTEM category is highlighted with a red circle and a blue '1'.

Slika 3 – Pristup interfejsu za promjenu firewall pravila za SSH pristup

Nakon što dodamo adresu sa koje želimo da pristupimo po SSH portu možemo da pristupimo preko SSH protokola (preporuka – za SSH klijenta koristiti putty)

Provjeriti hard disk uređaje

Nakon što je sistem startan sa optičkog uređaja možemo da priključimo USB stick na koji smo prethodno snimili IMG.GZ fajl koji ćemo koristiti za "instalaciju" Zeroshell distribucije.

U ovom slučaju usb stick sadrži **ZeroShell-1.0.beta14-CompactFlash-IDE-USB-SATA-1GB.img.gz**

Pristupiti serveru preko SSH protokola i idemo u test hard diskova:

```
root@zeroshell root> fdisk -l
Disk /dev/hda: 10.1 GB, 10110320640 bytes
16 heads, 63 sectors/track, 19590 cylinders
Units = cylinders of 1008 * 512 = 516096 bytes
Device Boot Start End Blocks Id System
/dev/hda1 1 1985 1000408+ 83 Linux
Disk /dev/sda: 2063 MB, 2063597568 bytes
255 heads, 63 sectors/track, 250 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Device Boot Start End Blocks Id System
/dev/sda1 * 1 251 2015200+ b W95 FAT32
Partition 1 has different physical/logical endings:
phys=(249, 254, 63) logical=(250, 225, 39)
root@zeroshell root>
```

Moj IDE disk je adresiran kao /dev/hda a USB STICK je adresiran kao /dev/sda1.

Mountovati USB stick-a i otpakovati Zeroshell sistem na hard disk

Kako nema instalacije, nego je riječ o čistom otpakivanju img fajla na hard disk, nema potrebe ni za particionisanjem.

Now we got mount usb pendrive /dev/sda1 to use the file in it. Before I have to create the directory "chiavetta" nella /mnt:

```
root@zeroshell root> cd /mnt/
root@zeroshell mnt> mkdir usbstick
root@zeroshell mnt> ls
usbstick loop1
root@zeroshell mnt>
root@zeroshell mnt> cd /
root@zeroshell /> mount /dev/sda1 /mnt/usbstick
root@zeroshell />
```

Na putanju /mnt/usbstick je mountovan USB stick sa kojeg ćemo koristiti img fajl u GZ formatu za instalaciju Zeroshell distribucije:

```
root@zeroshell /> cd /mnt/usbstick
root@zeroshell usbstick>
root@zeroshell usbstick > gunzip -c ZeroShell-1.0.beta14-CompactFlash-IDE-USB-SATA-1GB.img.gz
>/dev/hda
root@zeroshell usbstick >
root@zeroshell usbstick > reboot
Broadcast message from root (pts/0) (Mon Jul 16 21:24:10 2007):
The system is going down for reboot NOW!
root@zeroshell usbstick>
```

Ukloniti USB stick, CD/DVD i startati sistem sa hard diska :-)

U slučaju problema sa startanjem, kod SATA diskova, (npr. učitava se boot loader, ali ne i OS), provjeriti kako je u BIOS-u podešen USB kontroler: Native ili ...