



Dodatky

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Terminal
File Edit View Terminal Tabs Help
root@krok:~# dladm show-link
LINK          CLASS      MTU      STATE    OVER
el000g0       phys       1500     up       --
iwh0          phys       1500     down     --
switch0       etherstub  9000     unknown  --
switch1       etherstub  9000     unknown  --
vnic0         vnic       9000     up       etherstub0
vnic1         vnic       9000     up       etherstub0
vnic2         vnic       9000     up       etherstub0
vnic3         vnic       9000     up       etherstub1
vnic4         vnic       9000     up       etherstub1
vnic5         vnic       9000     up       etherstub1
root@krok:~# █

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Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                BRAND  IP
   0 global              running   /                  native shared
root@krok:~#

```



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Terminal
File Edit View Terminal Tabs Help
root@krok:~# zonecfg -z kazi -f /etc/zones/kazi.cfg
root@krok:~# zonecfg -z kazi info
zonename: kazi
zonepath: /zones/kazi
brand: ipkg
autoboot: true
bootargs:
pool:
limitpriv:
scheduling-class:
ip-type: exclusive
hostid:
net:
    address not specified
    physical: vnic0
    defrouter not specified
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                                BRAND  IP
   0 global              running   /                                native shared
  - kazi                 configured /zones/kazi                     ipkg   excl
root@krok:~#

```

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Terminal
File Edit View Terminal Tabs Help
root@krok:~# zonecfg -z teta -f /etc/zones/teta.cfg
root@krok:~# zonecfg -z bivoj -f /etc/zones/bivoj.cfg
root@krok:~# zonecfg -z premysl -f /etc/zones/premysl.cfg
root@krok:~# zonecfg -z libuse -f /etc/zones/libuse.cfg
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                                BRAND  IP
   0 global                running   /                                native shared
  - kazi                  configured /zones/kazi                     ipkg   excl
  - teta                  configured /zones/teta                      ipkg   excl
  - bivoj                 configured /zones/bivoj                    ipkg   excl
  - premysl               configured /zones/premysl                  ipkg   excl
  - libuse                configured /zones/libuse                   ipkg   excl
root@krok:~#

```



```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# time zoneadm -z kazi install
A ZFS file system has been created for this zone.
  Publisher: Using opensolaris.org (http://pkg.opensolaris.org/release/).
  Image: Preparing at /zones/kazi/root.
Sanity Check: Looking for 'entire' incorporation.
  Installing: Core System (output follows)
DOWNLOAD                                PKGS      FILES      XFER (MB)
Completed                               20/20     3021/3021   42.55/42.55

PHASE                                ACTIONS
Install Phase                        5747/5747
  Installing: Additional Packages (output follows)
DOWNLOAD                                PKGS      FILES      XFER (MB)
Completed                               37/37     5598/5598   32.52/32.52

PHASE                                ACTIONS
Install Phase                        7329/7329

Note: Man pages can be obtained by installing SUNWman
Postinstall: Copying SMF seed repository ... done.
Postinstall: Applying workarounds.
  Done: Installation completed in 1573.140 seconds.

Next Steps: Boot the zone, then log into the zone console
             (zlogin -C) to complete the configuration process

real    26m13.946s
user    0m39.756s
sys     0m12.246s
root@krok:~#

```



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Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME          STATUS    PATH                               BRAND  IP
   0 global        running   /                               native shared
  - kazi          installed /zones/kazi                     ipkg   excl
  - teta          configured /zones/teta                     ipkg   excl
  - bivoj         configured /zones/bivoj                    ipkg   excl
  - premysl       configured /zones/premysl                  ipkg   excl
  - libuse        configured /zones/libuse                   ipkg   excl
root@krok:~#

```

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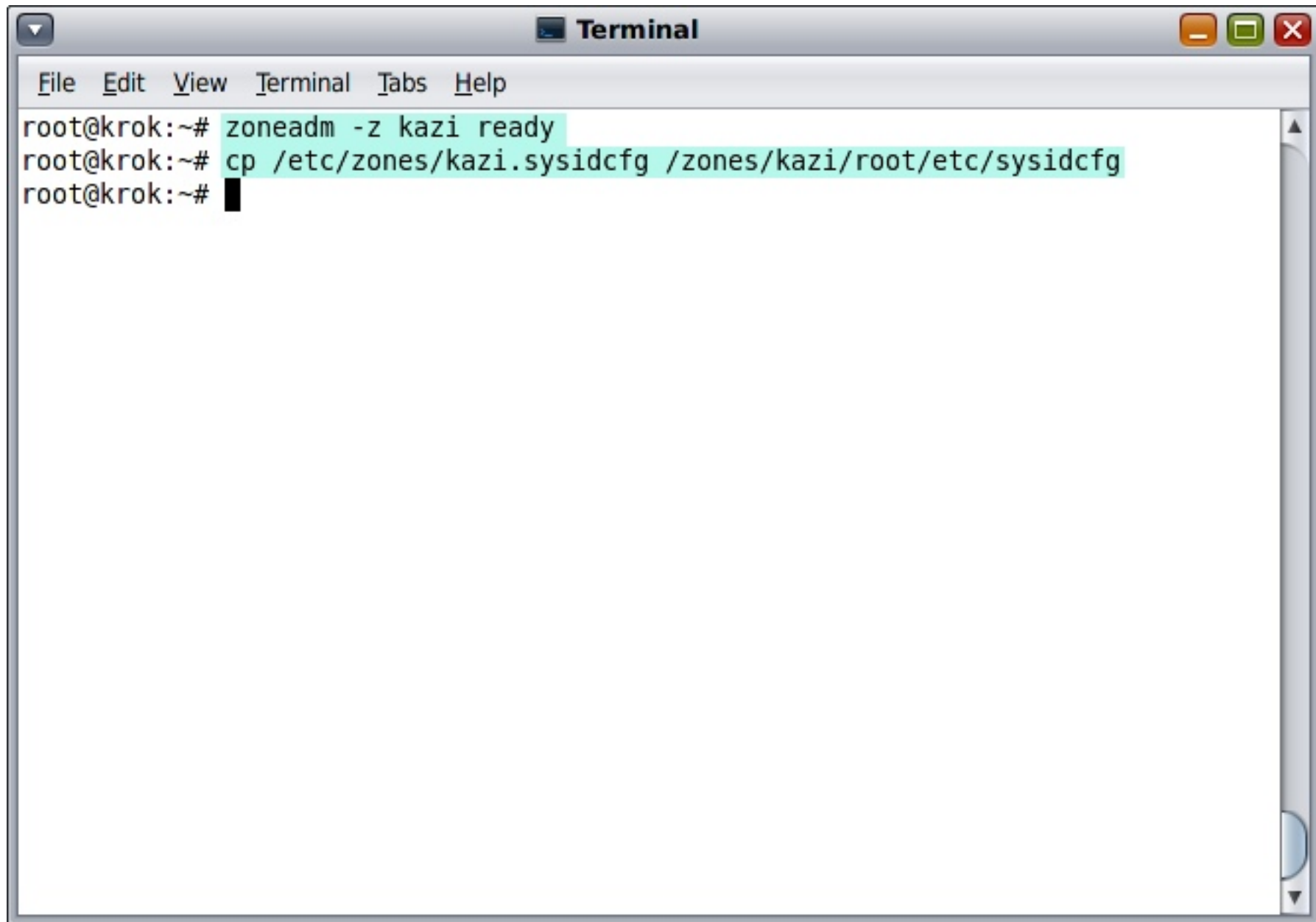
Terminal
File Edit View Terminal Tabs Help
system_locale=C
timezone=Europe/Prague
terminal=xterms
security_policy=NONE
timeserver=localhost
name_service=NONE
network_interface=primary {
    hostname=kazi
    ip_address=10.0.0.21
    netmask=255.255.255.0
    protocol_ipv6=no
    default_route=10.0.0.20}
nfs4_domain=dynamic
~
~
~
~
~
~
~
~
~
~
"kazi.sysidcfg" 13 lines, 267 characters

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                                BRAND  IP
   0 global              running   /                                native shared
   2 kazi                ready     /zones/kazi                     ipkg   excl
  - teta                configured /zones/teta                     ipkg   excl
  - bivoj               configured /zones/bivoj                    ipkg   excl
  - premysl             configured /zones/premysl                  ipkg   excl
  - libuse              configured /zones/libuse                   ipkg   excl
root@krok:~#

```



```
root@krok:~# zoneadm -z kazi ready
root@krok:~# cp /etc/zones/kazi.sysidcfg /zones/kazi/root/etc/sysidcfg
root@krok:~#
```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm -z kazi boot ; zlogin -C kazi
[Connected to zone 'kazi' console]

SunOS Release 5.11 Version snv_111b 64-bit
Copyright 1983-2009 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.
Hostname: kazi
Loading smf(5) service descriptions: 69/69
Reading ZFS config: done.
Mounting ZFS filesystems: (5/5)
Creating new rsa public/private host key pair
Creating new dsa public/private host key pair
Configuring network interface addresses: vnic0.
System identification is completed.

kazi console login: 

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Terminal
File Edit View Terminal Tabs Help
kazi console login: root
Password:
Mar  2 04:07:05 kazi login: ROOT LOGIN /dev/console
Sun Microsystems Inc.   SunOS 5.11       snv_111b       November 2008
root@kazi:~# ifconfig -a
lo0: flags=2001000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv4,VIRTUAL> mtu 8232 index
  1
    inet 127.0.0.1 netmask ff000000
vnic0: flags=1000863<UP,BROADCAST,NOTRAILERS,RUNNING,MULTICAST,IPv4> mtu 9000 in
dex 2
    inet 10.0.0.21 netmask fffffff0 broadcast 10.0.0.255
    ether 2:8:20:b8:9e:27
lo0: flags=2002000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv6,VIRTUAL> mtu 8252 index
  1
    inet6 ::1/128
root@kazi:~# exit
logout

kazi console login: ~.
[Connection to zone 'kazi' console closed]
root@krok:~# █

```

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Terminal
File Edit View Terminal Tabs Help
root@krok:~# zlogin kazi halt
en_US.UTF-8: unknown locale
en_US.UTF-8: unknown locale
root@krok:~# zoneadm list -cv
  ID NAME                STATUS      PATH                               BRAND  IP
   0 global                running     /                                native shared
  - kazi                   installed   /zones/kazi                      ipkg   excl
  - teta                   configured /zones/teta                      ipkg   excl
  - bivoj                  configured /zones/bivoj                     ipkg   excl
  - premysl                configured /zones/premysl                   ipkg   excl
  - libuse                 configured /zones/libuse                     ipkg   excl
root@krok:~# █

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```

Terminal
File Edit View Terminal Tabs Help

root@krok:~# time zoneadm -z teta clone kazi
sys-unconfig started Tue Mar 02 13:10:29 2010
rm: cannot remove `/zones/teta/root/etc/vfstab.sys-u': No such file or directory
grep: /zones/teta/root/etc/dumpadm.conf: No such file or directory
sys-unconfig completed Tue Mar 02 13:10:29 2010

real    0m3.391s
user    0m0.167s
sys     0m0.193s
root@krok:~# zoneadm -z bivoj clone kazi
sys-unconfig started Tue Mar 02 13:11:23 2010
rm: cannot remove `/zones/bivoj/root/etc/vfstab.sys-u': No such file or director
y
grep: /zones/bivoj/root/etc/dumpadm.conf: No such file or directory
sys-unconfig completed Tue Mar 02 13:11:23 2010
root@krok:~# zoneadm -z premysl clone kazi
sys-unconfig started Tue Mar 02 13:11:44 2010
rm: cannot remove `/zones/premysl/root/etc/vfstab.sys-u': No such file or direct
ory
grep: /zones/premysl/root/etc/dumpadm.conf: No such file or directory
sys-unconfig completed Tue Mar 02 13:11:44 2010
root@krok:~# █

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                                BRAND  IP
   0 global              running   /                                native shared
  - kazi                 installed /zones/kazi                      ipkg   excl
  - teta                 installed /zones/teta                      ipkg   excl
  - bivoj                installed /zones/bivoj                    ipkg   excl
  - premysl              installed /zones/premysl                  ipkg   excl
  - libuse               configured /zones/libuse                   ipkg   excl
root@krok:~#

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm -z teta ready
root@krok:~# zoneadm -z bivoj ready
root@krok:~# zoneadm -z premysl ready
root@krok:~# zoneadm list -cv
  ID NAME                STATUS    PATH                                BRAND  IP
   0 global              running   /                                native shared
   3 teta                ready    /zones/teta                      ipkg   excl
   4 bivoj               ready    /zones/bivoj                      ipkg   excl
   5 premysl             ready    /zones/premysl                     ipkg   excl
  - kazi                 installed /zones/kazi                       ipkg   excl
  - libuse               configured /zones/libuse                     ipkg   excl
root@krok:~# █

```



```

Terminal
File Edit View Terminal Tabs Help

root@krok:~# cp /etc/zones/teta.sysidcfg /zones/teta/root/etc/sysidcfg
root@krok:~# cp /etc/zones/bivoj.sysidcfg /zones/bivoj/root/etc/sysidcfg
root@krok:~# cp /etc/zones/premysl.sysidcfg /zones/premysl/root/etc/sysidcfg
root@krok:~# zoneadm -z teta boot
root@krok:~# zoneadm -z bivoj boot
root@krok:~# zoneadm -z premysl boot
root@krok:~# zoneadm list -cv

```

ID	NAME	STATUS	PATH	BRAND	IP
0	global	running	/	native	shared
3	teta	running	/zones/teta	ipkg	excl
4	bivoj	running	/zones/bivoj	ipkg	excl
5	premysl	running	/zones/premysl	ipkg	excl
-	kazi	installed	/zones/kazi	ipkg	excl
-	libuse	configured	/zones/libuse	ipkg	excl

```

root@krok:~#

```



```

Terminal
File Edit View Terminal Tabs Help

root@krok:~# zoneadm -z kazi boot ; zlogin -C kazi
[Connected to zone 'kazi' console]
Hostname: kazi
Reading ZFS config: done.
Mounting ZFS filesystems: (5/5)

kazi console login: ~.
[Connection to zone 'kazi' console closed]
root@krok:~# zoneadm list -cv
  ID NAME          STATUS    PATH                               BRAND  IP
   0 global          running   /                                native shared
   3 teta           running   /zones/teta                      ipkg   excl
   4 bivoj          running   /zones/bivoj                      ipkg   excl
   5 premysl        running   /zones/premysl                    ipkg   excl
   6 kazi           running   /zones/kazi                        ipkg   excl
  - libuse         configured /zones/libuse                      ipkg   excl

root@krok:~# █

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm -z libuse install -e SUNWroute
A ZFS file system has been created for this zone.
  Publisher: Using opensolaris.org (http://pkg.opensolaris.org/release/).
  Image: Preparing at /zones/libuse/root.
Sanity Check: Looking for 'entire' incorporation.
  Installing: Core System (output follows)
DOWNLOAD                                PKGS      FILES      XFER (MB)
Completed                                20/20     3021/3021   42.55/42.55

PHASE                                ACTIONS
Install Phase                        5747/5747
  Installing: Additional Packages (output follows)
DOWNLOAD                                PKGS      FILES      XFER (MB)
Completed                                38/38     5613/5613   32.68/32.68

PHASE                                ACTIONS
Install Phase                        7366/7366

Note: Man pages can be obtained by installing SUNWman
Postinstall: Copying SMF seed repository ... done.
Postinstall: Applying workarounds.
  Done: Installation completed in 993.865 seconds.

Next Steps: Boot the zone, then log into the zone console
             (zlogin -C) to complete the configuration process
root@krok:~# 
```

```

Terminal
File Edit View Terminal Tabs Help
system_locale=C
timezone=Europe/Prague
terminal=xterms
security_policy=NONE
timeserver=localhost
name_service=NONE
network_interface=vnic2 {
    primary
    hostname=libuse-0
    ip_address=10.0.0.20
    netmask=255.255.255.0
    protocol_ipv6=no
    default_route=NONE}
network_interface=vnic3 {
    hostname=libuse-1
    ip_address=10.0.1.20
    netmask=255.255.255.0
    protocol_ipv6=no
    default_route=NONE}
nfs4_domain=dynamic
~
~
~
"libuse.sysidcfg" 20 lines, 402 characters

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm -z libuse ready
root@krok:~# cp /etc/zones/libuse.sysidcfg /zones/libuse/root/etc/sysidcfg
root@krok:~# zoneadm -z libuse boot ; zlogin -C libuse
[Connected to zone 'libuse' console]

SunOS Release 5.11 Version snv_111b 64-bit
Copyright 1983-2009 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.
Hostname: libuse
Loading smf(5) service descriptions: 73/73
Reading ZFS config: done.
Mounting ZFS filesystems: (5/5)
  network_interface=vnic2 {
vnic2 is not a valid network interface line 7 position 19
Creating new rsa public/private host key pair
Creating new dsa public/private host key pair
Configuring network interface addresses: vnic2 vnic3.
System identification is completed.

libuse-0 console login: █

```



```

Terminal
File Edit View Terminal Tabs Help
root@libuse-0:~# ifconfig -a
lo0: flags=2001000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv4,VIRTUAL> mtu 8232 index
1
    inet 127.0.0.1 netmask ff000000
vnic2: flags=1000863<UP,BROADCAST,NOTRAILERS,RUNNING,MULTICAST,IPv4> mtu 9000 ind
ex 3
    inet 10.0.0.20 netmask ffffffff broadcast 10.0.0.255
    ether 2:8:20:49:f8:a8
vnic3: flags=1000863<UP,BROADCAST,NOTRAILERS,RUNNING,MULTICAST,IPv4> mtu 9000 ind
ex 2
    inet 10.0.1.20 netmask ffffffff broadcast 10.0.1.255
    ether 2:8:20:dd:c3:c3
lo0: flags=2002000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv6,VIRTUAL> mtu 8252 index
1
    inet6 ::1/128
root@libuse-0:~# exit
logout

libuse-0 console login: ~.
[Connection to zone 'libuse' console closed]
root@krok:~# █

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME          STATUS    PATH                                BRAND  IP
   0 global         running   /                                native shared
   3 teta          running   /zones/teta                      ipkg   excl
   4 bivoj         running   /zones/bivoj                      ipkg   excl
   5 premysl       running   /zones/premysl                    ipkg   excl
   6 kazi          running   /zones/kazi                       ipkg   excl
   7 libuse        running   /zones/libuse                      ipkg   excl
root@krok:~#

```



```

Terminal
File Edit View Terminal Tabs Help
root@libuse-0:~# routeadm -e ipv4-forwarding
root@libuse-0:~# routeadm -u
root@libuse-0:~# routeadm

Configuration      Current      Current
      Option      Configuration      System State
-----
      IPv4 routing      enabled      enabled
      IPv6 routing      disabled     disabled
      IPv4 forwarding      enabled      enabled
      IPv6 forwarding      disabled     disabled

Routing services      "route:default ripng:default"

Routing daemons:

      STATE      FMRI
      online      svc:/network/routing/ndp:default
      disabled     svc:/network/routing/rdisc:default
      disabled     svc:/network/routing/legacy-routing:ipv6
      disabled     svc:/network/routing/legacy-routing:ipv4
      online       svc:/network/routing/route:default
      disabled     svc:/network/routing/ripng:default

root@libuse-0:~#

```

```

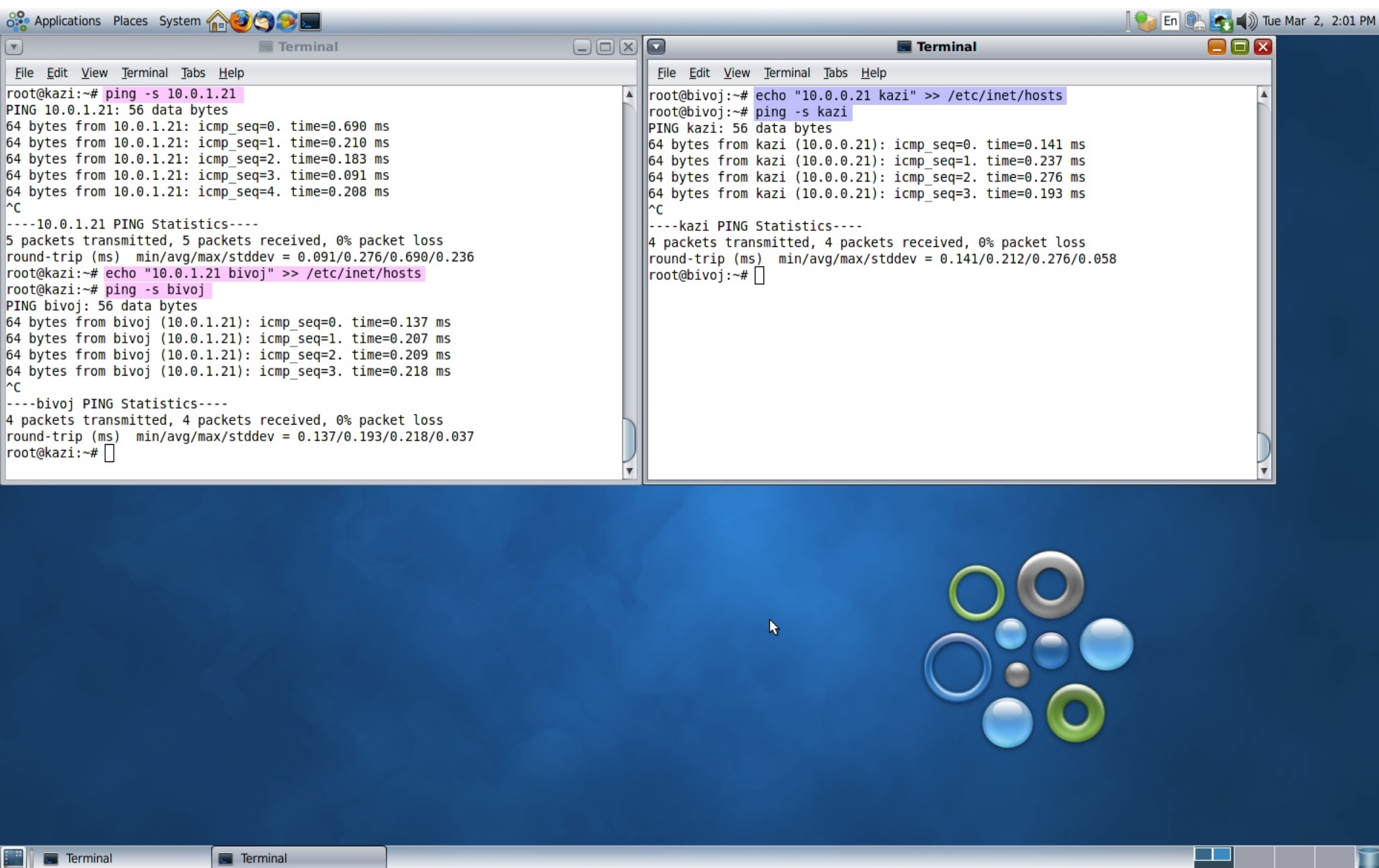
Terminal
File Edit View Terminal Tabs Help
root@krok:~# zlogin -C bivoj
[Connected to zone 'bivoj' console]

bivoj console login: root
Password:
Mar  2 13:55:39 bivoj login: ROOT LOGIN /dev/console
Last login: Tue Mar  2 13:07:05 on console
Sun Microsystems Inc.   SunOS 5.11       snv_111b       November 2008
root@bivoj:~# netstat -rn

Routing Table: IPv4
  Destination          Gateway                Flags  Ref    Use    Interface
  -----
default                10.0.1.20              UG      1        0
10.0.1.0                10.0.1.21              U        1        0 vnic4
127.0.0.1               127.0.0.1              UH      1        2 lo0

Routing Table: IPv6
  Destination/Mask      Gateway                Flags  Ref    Use    If
  -----
::1                    ::1                    UH      1        0 lo0
root@bivoj:~# █

```



```

File Edit View Terminal Tabs Help
root@kazi:~# cp -p /etc/ssh/sshd_config /etc/ssh/sshd_config.original
root@kazi:~# sed 's/PermitRootLogin no/PermitRootLogin yes/' /etc/ssh/sshd_config.original > /etc/ssh/sshd_config
root@kazi:~# svcadm restart ssh
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~# cat /var/log/odkaz
Kazi, toho kance jsem zabil pro Tebe!!!
root@kazi:~#
root@kazi:~#
root@kazi:~#
root@kazi:~#

```

```

File Edit View Terminal Tabs Help
root@bivoj:~# ssh root@kazi
The authenticity of host 'kazi (10.0.0.21)' can't be established.
RSA key fingerprint is 36:cb:47:a0:d6:ac:30:39:80:fd:a1:ac:50:bc:69:c1.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'kazi,10.0.0.21' (RSA) to the list of known hosts.
Password:
Last login: Tue Mar 2 13:58:31 2010
Sun Microsystems Inc. SunOS 5.11 snv_111b November 2008
root@kazi:~# echo 'Kazi, toho kance jsem zabil pro Tebe!!!' > /var/log/odkaz
root@kazi:~# exit
logout
Connection to kazi closed.
root@bivoj:~# exit
logout

bivoj console login: ~.
[Connection to zone 'bivoj' console closed]
root@krok:~#

```




```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# wget http://dlc.sun.com/osol/brandz/downloads/centos_fs_image.tar.
bz2
--14:18:09--  http://dlc.sun.com/osol/brandz/downloads/centos_fs_image.tar.bz2
              => `centos_fs_image.tar.bz2'
Resolving dlc.sun.com... 72.5.124.114
Connecting to dlc.sun.com|72.5.124.114|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 418,605,375 (399M) [application/x-tar]

100%[=====>] 418,605,375  204.29K/s    ETA 00:00

15:39:40 (83.59 KB/s) - `centos_fs_image.tar.bz2' saved [418605375/418605375]

root@krok:~# █

```

```

Terminal
File Edit View Terminal Tabs Help
create -t SUNWlx
set autoboot=true
set zonepath=/zones/zone1x
set ip-type=shared
add net
    set address=10.0.1.31/24
    set physical=vnic7
    set defrouter=10.0.1.20
end
verify
commit
~
~
~
~
~
~
~
~
~
~
~
"zone1x.cfg" 11 lines, 178 characters

```



```

Terminal
File Edit View Terminal Tabs Help

root@krok:~#
root@krok:~#
root@krok:~#
root@krok:~#
root@krok:~#
root@krok:~# zonecfg -z zonelx -f /etc/zones/zonelx.cfg
root@krok:~# zoneadm -z zonelx install -d /root/centos_fs_image.tar.bz2
A ZFS file system has been created for this zone.
Installing zone 'zonelx' at root directory '/zones/zonelx'
from archive '/root/centos_fs_image.tar.bz2'

This process may take several minutes.

Setting up the initial lx brand environment.
System configuration modifications complete.
Setting up the initial lx brand environment.
System configuration modifications complete.

Installation of zone 'zonelx' completed successfully.

Details saved to log file:
    "/zones/zonelx/root/var/log/zonelx.install.6755.log"

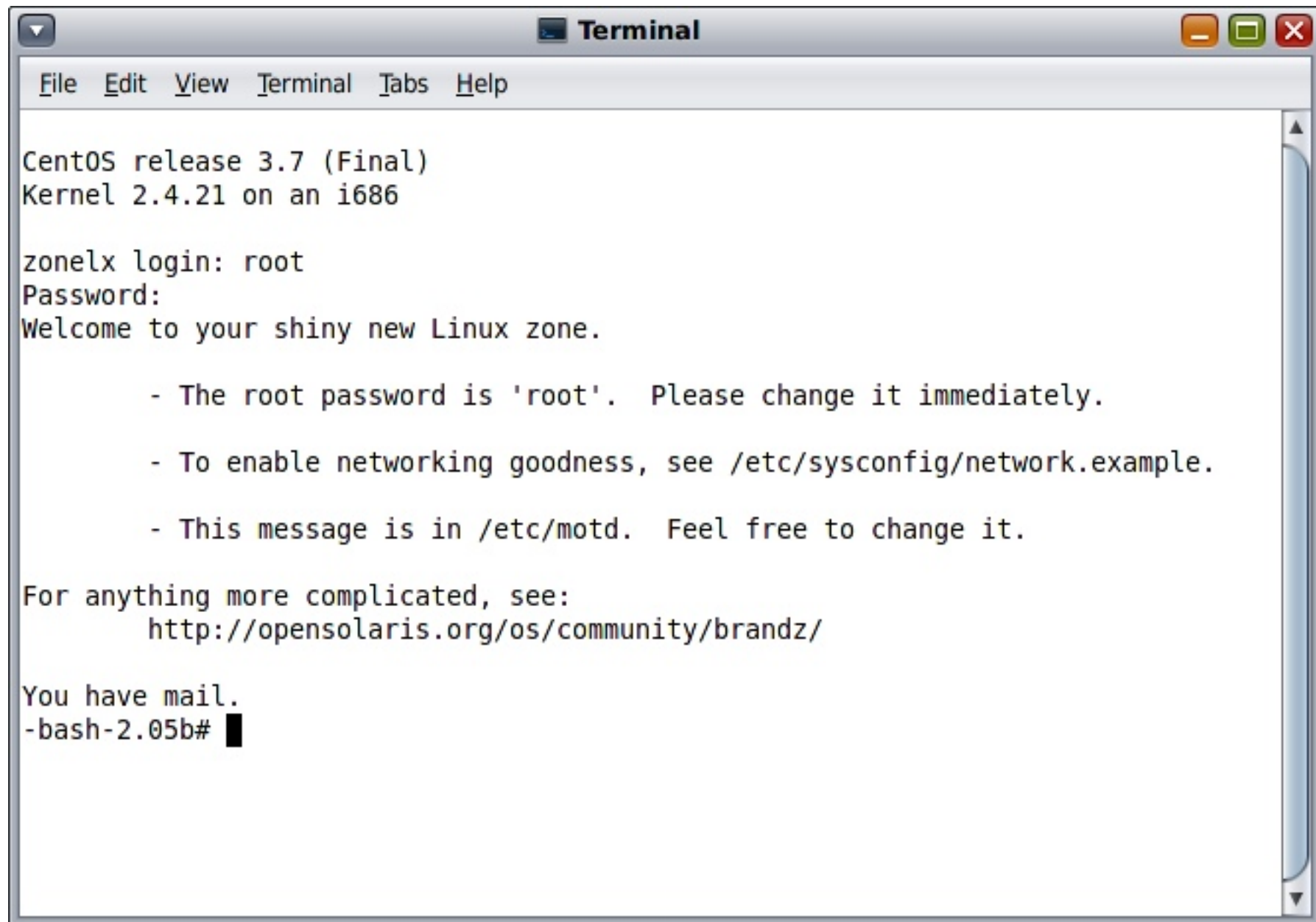
root@krok:~#

```

```

Terminal
File Edit View Terminal Tabs Help
NETWORKING="yes"
#
# To enable networking, change the "no" above to "yes" and
# uncomment and fill in the following parameters.
#
# If you are specifying a hostname by name rather than by IP address,
# be sure the system can resolve the name properly via the use of a
# name service and/or the proper name files, as specified by
# nsswitch.conf. See nsswitch.conf(5) for further details.
#
HOSTNAME=zonelx
#
~
~
~
~
~
~
~
~
~
~
~
~
"/zones/zonelx/root/etc/sysconfig/network" 12 lines, 422 characters

```



```

Terminal
File Edit View Terminal Tabs Help

CentOS release 3.7 (Final)
Kernel 2.4.21 on an i686

zonelx login: root
Password:
Welcome to your shiny new Linux zone.

    - The root password is 'root'. Please change it immediately.
    - To enable networking goodness, see /etc/sysconfig/network.example.
    - This message is in /etc/motd. Feel free to change it.

For anything more complicated, see:
    http://opensolaris.org/os/community/brandz/

You have mail.
-bash-2.05b#
  
```

```

Terminal
File Edit View Terminal Tabs Help
-bash-2.05b# ifconfig -a
eth0      Link encap:Ethernet  HWaddr 02:08:20:6F:3A:48
          inet addr:10.0.1.31  Bcast:10.0.1.255  Mask:255.255.255.0
          UP BROADCAST RUNNING SLAVE  MTU:9000  Metric:1

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          UP LOOPBACK RUNNING SLAVE  MTU:8232  Metric:1

-bash-2.05b# ping 10.0.0.20
WARNING: setsockopt(ICMP_FILTER): Protocol not available
WARNING: your kernel is veeery old. No problems.
PING 10.0.0.20 (10.0.0.20) 56(84) bytes of data.
Warning: no SO_TIMESTAMP support, falling back to SIOCGSTAMP
64 bytes from 10.0.0.20: icmp_seq=0 ttl=255 time=0.310 ms
64 bytes from 10.0.0.20: icmp_seq=1 ttl=255 time=0.211 ms
64 bytes from 10.0.0.20: icmp_seq=2 ttl=255 time=0.247 ms
64 bytes from 10.0.0.20: icmp_seq=3 ttl=255 time=0.236 ms

--- 10.0.0.20 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3018ms
rtt min/avg/max/mdev = 0.211/0.251/0.310/0.036 ms, pipe 2
-bash-2.05b#

```

```

Terminal
File Edit View Terminal Tabs Help
root@krok:~# zoneadm list -cv
  ID NAME          STATUS    PATH                               BRAND  IP
   0 global         running   /                               native shared
   3 teta          running   /zones/teta                     ipkg   excl
   4 bivoj         running   /zones/bivoj                     ipkg   excl
   5 premysl       running   /zones/premysl                    ipkg   excl
   6 kazi          running   /zones/kazi                       ipkg   excl
   7 libuse        running   /zones/libuse                      ipkg   excl
   8 zonelx        running   /zones/zonelx                      lx     shared
root@krok:~#

```