Subject: opensuse 10.2
Posted by tomtom on Tue, 17 Jul 2007 22:02:22 GMT
View Forum Message <> Reply to Message

Hi i tried to install openvz under opensuse 10.2 but with no luck. Is it likely in the near future, that you may release a ovz kernel for openuse 10.2? Thanks in advance.

Subject: Re: opensuse 10.2
Posted by vaverin on Wed, 18 Jul 2007 04:13:32 GMT
View Forum Message <> Reply to Message

Could you please describe your issue in more details? What the kernel you have tried to install, what the troubles you have noticed?

thank you
Vasily Averin

Subject: Re: opensuse 10.2
Posted by tomtom on Wed, 18 Jul 2007 18:56:44 GMT
View Forum Message <> Reply to Message

Sure! Thanks for your reply! Here comes my params:

uname -a
Linux bear 2.6.18.2-34-default #1 SMP Mon Nov 27 11:46:27 UTC 2006 x86_64 x86_64 x86_64 GNU/Linux

/proc/cpuinfo
processor : 0
vendor_id : AuthenticAMD
cpu family : 15
model : 47
model name : AMD Athlon(tm) 64 Processor 3200+
stepping : 2
cpu MHz : 1000.000
cache size : 512 KB
fpu : yes
fpu_exception : yes
cpuid level : 1
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse sse2 syscall nx mmxext fxsr_opt lm 3dnowext 3dnow up pni lahf_lm
bogomips : 2011.53
TLB size : 1024 4K pages
clflush size : 64

cache_alignment : 64
address sizes   : 40 bits physical, 48 bits virtual
power management: ts fid vid ttp tm stc

/sbin/lsmod:
Module                  Size  Used by
xt_pkttype             18816  3
ipt_LOG                23808  12
xt_limit               20224  12
fglrx                 780804  0
tun                    29440  2
snd_pcm_oss            71680  0
snd_mixer_oss          35840  1 snd_pcm_oss
snd_seq_midi           27648  0
snd_emu10k1_synth      25856  0
snd_emux_synth         59648  1 snd_emu10k1_synth
snd_seq_virmidi        25088  1 snd_emux_synth
snd_seq_midi_event     25472  2 snd_seq_midi,snd_seq_virmidi
snd_seq_midi_emul      24064  1 snd_emux_synth
snd_seq                82976  5  snd_seq_midi,snd_emux_synth,snd_seq_virmidi,snd_seq_midi_eve
nt,snd_seq_midi_emul
af_packet              57356  2
cpufreq_conservative   25608  0
cpufreq_ondemand       24592  1
cpufreq_userspace      24064  0
cpufreq_powersave      18688  0
powernow_k8            32416  0
freq_table             22912  1 powernow_k8
button                 24736  0
battery                28168  0
ac                     22792  0
ip6t_REJECT            22528  3
xt_tcpudp              20352  14
ipt_REJECT             22528  3
xt_state               19200  12
iptable_mangle         19840  0
iptable_nat            24964  0
ip_nat                 37804  1 iptable_nat
iptable_filter         19968  1
ip6table_mangle        19456  0
ip_conntrack           78372  3 xt_state,iptable_nat,ip_nat
nfnetlink              24648  2 ip_nat,ip_conntrack
ip_tables              39400  3 iptable_mangle,iptable_nat,iptable_filter
ip6table_filter        19840  1
ip6_tables             33352  2 ip6table_mangle,ip6table_filter
x_tables               37384  10  xt_pkttype,ipt_LOG,xt_limit,ip6t_REJECT,xt_tcpudp,ipt_REJECT
,xt_state,iptable_nat,ip_tables,ip6_tables
ipv6                  357728  41 ip6t_REJECT

```
apparmor              74264  0
aamatch_pcre          31232  1 apparmor
nls_iso8859_1         22016  1
nls_cp437             23808  1
vfat                  30976  1
fat                   73264  1 vfat
loop                  34064  0
dm_mod                81872  5
fuse                  66352  3
usbhid                69792  0
snd_emu10k1           152480  3 snd_emu10k1_synth
snd_rawmidi           47104  3 snd_seq_midi,snd_seq_virmidi,snd_emu10k1
emu10k1_gp            21120  0
gameport              34576  2 emu10k1_gp
snd_seq_device        26516  6
snd_seq_midi,snd_emu10k1_synth,snd_emux_synth,snd_seq,snd_em u10k1,snd_rawmidi
ide_cd                59680  0
cdrom                 54056  1 ide_cd
snd_util_mem          22656  2 snd_emux_synth,snd_emu10k1
snd_hwdep             28552  2 snd_emux_synth,snd_emu10k1
floppy                82408  0
ohci_hcd              38404  0
ehci_hcd              51080  0
forcedeth             60548  0
i2c_nforce2           24960  0
i2c_core              41472  1 i2c_nforce2
usbcore               148064  3 usbhid,ohci_hcd,ehci_hcd
snd_intel8x0          54440  2
snd_ac97_codec        127832  2 snd_emu10k1,snd_intel8x0
snd_ac97_bus          19456  1 snd_ac97_codec
snd_pcm               115464  5 snd_pcm_oss,snd_emu10k1,snd_intel8x0,snd_ac97_codec
snd_timer             44680  3 snd_seq,snd_emu10k1,snd_pcm
snd                   89384  24  snd_pcm_oss,snd_mixer_oss,snd_seq_midi,snd_emu10k1_synth,snd
_emux_synth,snd_seq_virmidi,snd_seq_midi_emul,snd_seq,snd_em
u10k1,snd_rawmidi,snd_seq_device,snd_util_mem,snd_hwdep,snd_
intel8x0,snd_ac97_codec,snd_pcm,snd_timer
soundcore             28192  1 snd
snd_page_alloc        27792  3 snd_emu10k1,snd_intel8x0,snd_pcm
parport_pc            58984  1
lp                    30664  0
parport               59660  2 parport_pc,lp
reiserfs              260096  3
edd                   27912  0
fan                   22408  0
sg                    55080  0
sata_nv               30084  6
libata                145056  1 sata_nv
amd74xx               32176  0 [permanent]
```

```
thermal          33552  0
processor         53992  2 powernow_k8,thermal
sd_mod            39296  8
scsi_mod         173744  3 sg,libata,sd_mod
ide_disk          34304  0
ide_core         174720  3 ide_cd,amd74xx,ide_disk
```

First i tried to install from the following "official" suse repo:
http://ftp.opensuse.org/pub/opensuse/repositories/home:/open vz/openSUSE_10.2/x86_64/

It just totally hanged out during boot, however it loaded almost everything, mounted the file systems, started the daemons, etc but afterwards it just stopped i had to hard reset the computer because even ctrl+alt+del didn't work.

After that i tried to use kernel from
http://download.openvz.org/kernel/branches/2.6.18/stable/ker
nel-2.6.18-ovz028stab035.1.x86_64.rpm

i installed it with "rpm -ivh -nodeps kernel..."
with this one i was able to boot but the boot was full with errors and in KDE the mouse didn't worked at all, however the keyboard was ok, so i switch back to a console but i wasn't able to do anything...
I will send a more detailed error report on this second case, just first i have to reboot

Anyway, thank you for your effort helping me to solve this issue.

---

Subject: Re: opensuse 10.2
Posted by Vasily Tarasov on Thu, 19 Jul 2007 08:25:55 GMT
View Forum Message <> Reply to Message

Hello,

Probably the kernel from http://download.openvz.org/kernel/branches/2.6.18/stable/ker
nel-2.6.18-ovz028stab035.1.x86_64.rpm has a bit poor config for running on desktop node. Can you, please, try this kernel: http://download.openvz.org/kernel/branches/rhel5-2.6.18/028s
tab035.1/ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64.rpm. It has much more reach config file.

Thank you,
Vasily

---

Subject: Re: opensuse 10.2

Posted by tomtom on Thu, 19 Jul 2007 11:42:09 GMT
View Forum Message <> Reply to Message

Okay!

I did:
rpm -ivh ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64.rpm --nodeps

and the result was:

/var/tmp/rpm-tmp.69793: line 6: /sbin/new-kernel-pkg: No such file or directory
error: %post(ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64) scriptlet failed, exit status 127

but rpm -qa | grep kernel says it is installed so now i'm going to do a reboot and come back tell you what happend!

See you soon  and thank you guys all for your help!

Subject: Re: opensuse 10.2
Posted by tomtom on Thu, 19 Jul 2007 11:45:07 GMT
View Forum Message <> Reply to Message

It seems i screwed something. I installed it with --nodeps and run mkinitrd

I edited grub menu.lst and rebooted i choosed the ovzkernel and it said:
Error 13: invalid or unsupported executable form

strange it probably because the previous ovzkernel.
I tried to rpm -e --nodeps ovz-kernel... but it just didn't work

/var/tmp/rpm-tmp.66929: line 1: /sbin/new-kernel-pkg: No such file or directory
error: %preun(ovzkernel-2.6.18-8.1.4.el5.028stab035.1.x86_64) scriptlet failed, exit status 127

Subject: Re: opensuse 10.2
Posted by Alexey Eremenko on Thu, 19 Jul 2007 18:57:59 GMT
View Forum Message <> Reply to Message

1. OpenVZ Kernel problem: (on openSUSE 10.2)

The same goes for me. I'm also Suser that wants to get a good OpenVZ, SUSE-compatible kernel, but unfortunately I get only a dozen of non-working kernels.

The RHEL5 kernel is one of them - on SUSE, modprobe *cannot* find it's own modules, even I know they exist.

Some modules metadata lacks in the kernel, so it prevents from SUSE Linux to function.

BTW: is "initrd" should be inside the RPM, or the user needs to create one ?

2. integrating OpenVZ with openSUSE - I really would like to see good integration between openSUSE and openVZ.

---

Subject: Re: opensuse 10.2
Posted by tomtom on Thu, 19 Jul 2007 19:12:45 GMT
View Forum Message <> Reply to Message

Both time i had to run mkinitrd in order to have
initrd-2.6.18-8.1.4.el5.028stab035.1
or
initrd-2.6.18-ovz028stab035.1
in /boot

---

Subject: Re: opensuse 10.2
Posted by Vasily Tarasov on Fri, 20 Jul 2007 11:07:43 GMT
View Forum Message <> Reply to Message

Alexey,

This is a very bad situation, we actually thought, that our kernels work on SUSE-like distributions.
Thank you for the report, a I filled the bug report: http://bugzilla.openvz.org/show_bug.cgi?id=647

We'll try to solve problem.

Thank you,
Vasily

---

Subject: Re: opensuse 10.2
Posted by tomtom on Fri, 20 Jul 2007 17:33:57 GMT
View Forum Message <> Reply to Message

Thanks Vasily

---

Subject: Re: opensuse 10.2
Posted by Alexey Eremenko on Fri, 20 Jul 2007 20:48:34 GMT
View Forum Message <> Reply to Message

Thanks a lot Vasily.

To get more info, you can read some of my posts of the past:
http://forum.openvz.org/index.php?t=tree&th=2446&mid =12562&&rev=&reveal=
http://marc.info/?l=opensuse&m=117819085209106&w=2

Currently openVZ is tied *very closely* with Red Hat, but I would really like to break this RedHat-centric monopol.

The monopol is felt very well, when I start reading openVZ official documentation and it's success stories with CentOS/RHEL/Fedora/... and tips about those OSes.

What's wrong with current situation:
1. *none* of the kernels available on the net works with openSUSE 10.2. or 10.3 Alpha. Not even VZ kernel from openSUSE 10.0.

2. OpenVZ Documentation is absolutely RedHat centric.

I'm going to *fix* that one - once I will get a stable openVZ/ openSUSE-compatible kernel, I will try to write the necessary documentation for openSUSE. I plan to have this documentation available as part of openSUSE distro, and I have no plans to integrate this documentation upstream, into openVZ itself, but I may change this plan if asked.
Once my documentation will become part of openSUSE, it will be easier to direct Susers to my documentation, rather than official documentation.

3. What else may I do to improve the terrible lack of integration between openVZ and openSUSE ? (I'm non-developer)

-Alexey "Technologov"

---

Subject: Re: opensuse 10.2
Posted by Alexey Eremenko on Sun, 22 Jul 2007 19:47:52 GMT
View Forum Message <> Reply to Message

I just tried to build an OVZ/SUSE kernel, but it failed to load the vzmon LKM.

I did:
1. downloaded 2.6.18 vanilla kernel (from kernel.org)
2. applied ovz035 stable patch to it.
3. compiled the whole bunch (compile went cleanly)
4. restarted the system into the new kernel
5. The system loaded with "vzdev" driver, but "vzmon" fails to load.

Here it is:
opensuse102:/home/alexey # modprobe vzmon
FATAL: Error inserting vzmon (/lib/modules/2.6.18-ovz035-default/kernel/kernel/ve/vzmon.k o): Unknown symbol in module, or unknown parameter (see dmesg)

dmesg returned the following:

vzmon: no version for "struct_module" found: kernel tainted.
vzmon: no version magic, tainting kernel.
vzmon: Unknown symbol addrconf_ifdown
vzmon: Unknown symbol addrconf_sysctl_fini
vzmon: Unknown symbol addrconf_sysctl_free
vzmon: Unknown symbol addrconf_sysctl_init
vzmon: Unknown symbol fini_ve_route6
vzmon: Unknown symbol init_ve_route6
vzmon: Unknown symbol ve_ndisc_init
vzmon: Unknown symbol ve_snmp_proc_fini
vzmon: Unknown symbol ve_snmp_proc_init

Any ideas ?

-Technologov

---

Subject: Re: opensuse 10.2
Posted by vaverin on Mon, 23 Jul 2007 03:46:56 GMT
View Forum Message <> Reply to Message

Hi Alexey,

couls you please check the following:

1) Could you please confirm that you have used our default config and do not changed any OpenVZ-specific options?

Modprode can return "Unknown symbol" messages you have compiled kernel without supporting of modules required for the module. But if you have used our default kernel config -- in this case all requires modules should be builded and installed successfully.

2) Could you please check that /lib/modules/<kernel_version>/modules.dep file exists?

After installation new kernel on the node you should use "depmod" utility that should create a list of module dependencies
(/lib/modules/<kernel_version>/modules.dep)

3) Are you sure that you have prepared correct initrd file for your new kernel? Modules from old initrd will have wrong dependencies if new kernel is loaded.

Thank you,
Vasily Averin

---

Subject: Re: opensuse 10.2
Posted by Alexey Eremenko on Wed, 25 Jul 2007 17:55:08 GMT
View Forum Message <> Reply to Message

Now I have built a kernel using *your* config files, and it works !

I still have some problems and questions, but finally it works !