
Subject: opensuse 10.2

Posted by [tomtom](#) on Tue, 17 Jul 2007 22:02:22 GMT

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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

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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

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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/lsmmod:

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_event,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/kernel-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

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Hello,

Probably the kernel from http://download.openvz.org/kernel/branches/2.6.18/stable/kernel-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/rhel5-2.6.18/028stab035.1/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

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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

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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

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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

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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

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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

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Thanks Vasily

Subject: Re: opensuse 10.2

Posted by [Alexey Eremenko](#) on Fri, 20 Jul 2007 20:48:34 GMT

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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=openvz&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

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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

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Hi Alexey,

could 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?

Modprobe 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

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

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