
Subject: Re: Zaptel - ztdummy - kernel install help
Posted by [maxglucksmann](#) on Wed, 26 Jan 2011 11:55:30 GMT
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Hello Kirill,

Wanted to write you because I've tried several times with the ovzkernel and ovzkernel-devel compiling also zaptel and still can't start ztdummy nor zaptel's init.d service in the CN. I've replaced the number values for security...

This is the kernel setup and ovz packages:

HN:

```
[root@box src]# rpm -qa | grep -i ovz
ovzkernel-devel-2.6.18-194.3.1.el5.028stab069.6
ovzkernel-2.6.18-194.3.1.el5.028stab069.6
```

uname -a

```
Linux box.astracom.ca 2.6.18-194.3.1.el5.028stab069.6 #1 SMP Wed May 26 18:31:05 MSD
2010 x86_64 x86_64 x86_64 GNU/Linux
```

CN:

```
[root@pickering ~]# rpm -qa | grep -i ovz
ovzkernel-2.6.18-194.3.1.el5.028stab069.6
ovzkernel-devel-2.6.18-194.3.1.el5.028stab069.6
```

uname -a

```
Linux pickering 2.6.18-194.3.1.el5.028stab069.6 #1 SMP Wed May 26 18:31:05 MSD 2010 i686
i686 i386 GNU/Linux
```

Besides that, in the HN is working properly - after doing:

make distclean

make clean

./configure

make menuselect (may be needed to be run twice, select only ztdummy)

make

FAILS

...

...

...

include/linux/hardirq.h:38:27: warning: "NR_IRQS" is not defined

```
make[3]: *** [/usr/src/comtelpbx-3.0/asterisk/zaptel-1.4.12.1/kernel/pci radio.o] Error 1
make[2]: *** [_module_/usr/src/comtelpbx-3.0/asterisk/zaptel-1.4.12.1/kernel] Error 2
make[2]: Leaving directory `/usr/src/kernels/2.6.18-194.3.1.el5.028stab069.6-i686'
make[1]: *** [modules] Error 2
make[1]: Leaving directory `/usr/src/comtelpbx-3.0/asterisk/zaptel-1.4.12.1'
make: *** [all] Error 2
```

After changing the ovzkernel and ovzkernel-devel packages:
rhel5-2.6.18/028stab069.6/

```
[root@box ovzkernel]# rpm -Uvh ovzkernel-2.6.18-194.3.1.el5.028stab069.6.x86_64.rpm
Preparing... ##### [100%]
 1:ovzkernel ##### [100%]
```

```
[root@box ovzkernel]# rpm -Uvh ovzkernel-devel-2.6.18-194.3.1.el5.028stab069.6.x86_64.rpm
Preparing... ##### [100%]
 1:ovzkernel-devel ##### [100%]
```

```
make distclean
make clean
make menuselect (twice)
select only ztdummy
make
make install
```

```
[root@box zaptel-1.4.12.1]# make config
install -D zaptel.init /etc/rc.d/init.d/zaptel
install -D ifup-hdlc /etc/sysconfig/network-scripts/ifup-hdlc
/sbin/chkconfig --add zaptel
Zaptel has been configured.
```

If you have any zaptel hardware it is now recommended to
edit /etc/default/zaptel or /etc/sysconfig/zaptel and set there an
optimal value for the variable MODULES .

I think that the zaptel hardware you have on your system is:

...
...
...

```
[root@box zaptel-1.4.12.1]# service zaptel restart
Unloading zaptel hardware drivers:.
Loading zaptel framework: FATAL: Error inserting zaptel
```

(/lib/modules/2.6.18-194.3.1.el5.028stab069.6/misc/zaptel.ko): Invalid module format

[FAILED]

Waiting for zap to come online...OK

Loading zaptel hardware modules:Running ztcfg: ioctl(ZT_LOADZONE) failed: Invalid argument

Notice: Configuration file is /etc/zaptel.conf

line 287: Unable to register tone zone 'us'

[OK]

Devices:

[root@box zaptel-1.4.12.1]# ls -lsa /dev/zap/

total 0

0 drwxr-xr-x 2 root root 140 Jan 25 20:01 .

0 drwxr-xr-x 14 root root 14440 Jan 26 01:06 ..

0 crw-rw---- 1 root root 196, 254 Jan 25 20:01 channel

0 crw-rw---- 1 root root 196, 0 Jan 25 20:01 ctl

0 crw-rw---- 1 root root 196, 255 Jan 25 20:01 pseudo

0 crw-rw---- 1 root root 196, 253 Jan 25 20:01 timer

0 crw-rw---- 1 root root 196, 250 Jan 25 20:01 transcode

[root@box zaptel-1.4.12.1]#

Port devices:

[root@box ~]# vzctl set 999888777 --devnodes zap/transcode:rw --save

Setting devices

Saved parameters for CT 999888777

[root@box ~]# vzctl set 999888777 --devnodes zap/timer:rw --save

Setting devices

Saved parameters for CT 999888777

[root@box ~]# vzctl set 999888777 --devnodes zap/pseudo:rw --save

Setting devices

Saved parameters for CT 999888777

[root@box ~]# vzctl set 999888777 --devnodes zap/ctl:rw --save

Setting devices

Saved parameters for CT 999888777

[root@box ~]# vzctl set 999888777 --devnodes zap/channel:rw --save

Setting devices

Saved parameters for CT 999888777

Still, when I'm called into a conference by vicidial's agent gui, the application app_meetme is run and the CLI says...

pseudo channel is not available:

```
== Parsing '/etc/asterisk/manager.conf': Found
== Manager 'sendcron' logged on from 127.0.0.1
  -- Executing [123123123@default:1] MeetMe("SIP/sip1000001-09654350", "123123123|F") in
new stack
== Parsing '/etc/asterisk/meetme.conf': Found
== Parsing '/etc/asterisk/meetme-vicidial.conf': Found
[Jan 26 14:47:15] WARNING[24346]: app_meetme.c:800 build_conf: Unable to open pseudo
device
== Manager 'sendcron' logged off from 127.0.0.1
  -- <SIP/sip1000001-09654350> Playing 'conf-invalid' (language 'en')
== Spawn extension (default, 123123123, 1) exited non-zero on 'SIP/sip1000001-09654350'
  -- Executing [h@default:1] DeadAGI("SIP/sip1000001-09654350", "
agi://127.0.0.1:4577/call_log--HVcauses--PRI-----NODEBUG---- -16-----") in new stack
  -- AGI Script agi://127.0.0.1:4577/call_log--HVcauses--PRI-----NODEBUG---- -16-----
completed, returning 0
pickering*CLI>
```

Any advice you could give will be very appreciated.

Thank you very much and have a good day,
Max Glucksmann
Mobility1 LLC
