
Subject: modconf

Posted by [johan_hammy](#) on Sun, 08 Jan 2006 14:41:10 GMT

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I had troubles with setting up Asterisk. While they say there's a bug in their makefile, I'd suspect that the bug wouldn't rear its ugly head if something was different on my VPS.

Here is an IRC log of my quest to have my problems resolved:

```
<johan_hammy> Can anyone here assist me with a zaptel make install error?
<tzafrir_laptop> johan_hammy, you posted to asterisk-users?
<tzafrir_laptop> note the '[ -f ]' . That is a syntax error, I believe
<johan_hammy> *nods*
<tzafrir_laptop> What version of asterisk?
<johan_hammy> I'm in digest mode (I already get hundreds of e-mails a day), so I wouldn't see
any replies for a few hours.
<johan_hammy> 1.2.1
<johan_hammy> I do see a "/bin/sh: -c: line 0: `if [ -n "" ]; then if [ -f ]; then mv -f .bak ; fi;"... in
the previous command executed.
<tzafrir_laptop> johan_hammy, MODCONF is not defined...
<tzafrir_laptop> johan_hammy, what distro do you use?
<johan_hammy> CentOS 4.2 is the host OS, but I'm running OpenVZ for some virtual servers.
<tzafrir_laptop> what kernel version?
<johan_hammy> 2.6.8-022stab050.1
<tzafrir_laptop> do you have ther /etc/modprobe.conf and/or /etc/modprobe.d ?
<tzafrir_laptop> anyway, the workaround is to rem-out the line in the install: target that checks for
$(MODCONF) .
<tzafrir_laptop> You don't really need that file.
<johan_hammy> When I locate modprobe, I get /sbin/modprobe. WHen I check the host OS, I
see some other modprobe stuff.
<johan_hammy> okay. THanks. Maybe what I'll do is talk to OpenVZ about modprobe, but if
they're no help, I'll just comment it out.
<tzafrir_laptop> Simply make sure you run ztcfgsometime before asterisk is started and after the
modules are loaded
<tzafrir_laptop> Anyway, please report a bug in the mantis. It's a buggy part in the makefile
<johan_hammy> Thanks much
<johan_hammy> I've only done a couple Asterisk systems. THIS is my first 1.2.1 build and I
decided to go at it on a Virtual Server. I've had quite a few bumps along the way.
```

Subject: Re: modconf

Posted by [johan_hammy](#) on Mon, 09 Jan 2006 06:45:47 GMT

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I've been getting a bunch of errors about modconf, depmod, mod etc. Is there anythign I can do, being as it's integrated with the kernel?

Subject: Re: modconf
Posted by [kir](#) on Mon, 09 Jan 2006 07:35:32 GMT
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It looks like you try to do something that involves dealing with kernel modules. This is absolutely impossible from within a VPS (due to security concerns).

If your software needs kernel modules to be loaded, you should load them in a host system, not from within a VPS. Also, in most cases those kernel modules will not work for a VPS (they need to be virtualized for that, which involves coding), but it depends on what are those kernel modules for.

Subject: Re: modconf
Posted by [johan_hammy](#) on Wed, 11 Jan 2006 06:37:30 GMT
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Device drivers.

I'm setting up Asterisk and the driver for their PCI cards (actually, I don't plan on having any cards, just their dummy interface).

Subject: Re: modconf
Posted by [kir](#) on Wed, 11 Jan 2006 15:18:55 GMT
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You have to load the driver (kernel module) in host system, not inside a VPS. Next, you can try giving an access to that device to a VPS, using 'vzctl set XXX --devnodes devfile:rw' (see vzctl man page for details).

Subject: Re: modconf
Posted by [johan_hammy](#) on Wed, 11 Jan 2006 17:09:59 GMT
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So can (most) any driver be compiled as normal on the host OS and then just use vzctl to pass it through to a particular VPS?

Can it be passed to multiple VPSes or have multiple instances of the driver?

Subject: Re: modconf
Posted by [johan_hammy](#) on Thu, 12 Jan 2006 15:34:28 GMT
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I went to the host system

```
[root@OpenVZ zaptel-1.2.1]# /etc/rc.d/init.d/zaptel start
Loading zaptel framework: FATAL: Error inserting zaptel
(/lib/modules/2.6.8-022stab050.1/extra/zaptel.ko): Invalid module format
[FAILED]
Waiting for zap to come online...Error: missing /dev/zap!
```

```
[root@OpenVZ libpri-1.2.1]# modprobe ztdummy
WARNING: Error inserting zaptel (/lib/modules/2.6.8-022stab050.1/extra/zaptel.ko): Invalid
module format
WARNING: Error inserting zaptel (/lib/modules/2.6.8-022stab050.1/extra/zaptel.ko): Invalid
module format
FATAL: Error inserting ztdummy (/lib/modules/2.6.8-022stab050.1/extra/ztdummy.ko): Invalid
module format
FATAL: Error running install command for ztdummy
```

Subject: Re: modconf
Posted by [kir](#) on Fri, 13 Jan 2006 09:09:50 GMT
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You probably compiled your kernel module with a different version of gcc than that used to compile the kernel. Check dmesg output for more details.

Subject: Re: modconf
Posted by [johan_hammy](#) on Wed, 01 Feb 2006 20:56:56 GMT
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Quote:

It does generate a load of 1000 interrupts per second. This means that you always need CPU time. And a timely response of it.

This is coming from someone that doesn't quite understand VPS, but since the driver runs on the host OS, does the resource control from the VPS architecture have any effect on it?

Subject: Re: modconf
Posted by [spyder](#) on Tue, 10 Oct 2006 14:21:33 GMT
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Hi, Guys...

I using VZ.. and have some troubles...since last update of kernel the zaptel driver stoped work.

using dmesg I grab the information.. the module is compiled with different version of GCC from used to compile the kernel..

```
zaptel: version magic '2.6.8-022stab078.21 686 gcc-3.4' should be '2.6.8-022stab078.21 686 gcc-3.3'
```

```
zaptel: version magic '2.6.8-022stab078.21 686 gcc-3.4' should be '2.6.8-022stab078.21 686 gcc-3.3'
```

```
ztdummy: version magic '2.6.8-022stab078.21 686 gcc-3.4' should be '2.6.8-022stab078.21 686 gcc-3.3'
```

What is the way to:

1. recompile with the right GCC
2. install the module ?? to use in this kernel ??

Subject: Re: modconf

Posted by [dev](#) on Wed, 11 Oct 2006 04:49:51 GMT

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please ask support to review/include these drivers.

out-of-tree binary drivers ainstalled into the kernel automatically make your kernel unsupported.
