

---

Subject: Init Problem on Ubuntu Gutsy Gibson  
Posted by [ckpeter](#) on Tue, 23 Oct 2007 19:06:28 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I am working on a gutsy 7.10 template cache for OpenVZ.

The way I have done so is by using the available dapper 6.06 template as a base, and progressively upgrade to edgy, then feisty, and gutsy.

I now have the template built out, but I am having trouble with init. It seems like the init daemon is stuck on something and is consuming 100% CPU. I am able to enter the VE by `vzctl enter`, and I can even install packages and perform other tasks, but no service is started up and `runlevel` says it is unknown.

The host OS is CentOS 5.

```
uname -a:  
2.6.18-8.1.8.el5.028stab039.1 #1 SMP Mon Jul 23 18:02:32 MSD 2007 x86_64 x86_64 x86_64  
GNU/Linux
```

```
rpm -q vzctl:  
vzctl-3.0.18-1
```

Any idea why init is stuck on 100% CPU usage? I read about problems with OpenVZ and the upstart implementation in prior version of ubuntu, but I assume that that has already been fixed.

---

---

Subject: Re: Ubuntu Gutsy Gibson Template Cache  
Posted by [rickb](#) on Wed, 24 Oct 2007 06:41:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

when you `strace` the init process, is it looping on any obvious problems?

generally when a linux process is doing something but at the same time accomplishing nothing, ie looping, `strace` is your best ally.

---

---

Subject: Re: Ubuntu Gutsy Gibson Template Cache  
Posted by [ckpeter](#) on Wed, 24 Oct 2007 16:06:34 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I ran a `strace`:

```
[root@host ~]# strace -fF -o vz.out vzctl --verbose start 3001  
Starting VE ...
```

VE is mounted  
Adding IP address(es): x.x.x.x  
Running VE script: /etc/vz/dists/scripts/debian-add\_ip.sh  
[ Process PID=18853 runs in 32 bit mode. ]  
[ Process PID=18852 runs in 64 bit mode. ]  
Execution timeout expired  
ptrace: umoven: Input/output error  
Got signal 15  
Setting CPU units: 1000  
Configure meminfo: 204800  
Running VE script: /etc/vz/dists/scripts/set\_dns.sh  
[ Process PID=19118 runs in 32 bit mode. ]  
[ Process PID=19117 runs in 64 bit mode. ]  
[ Process PID=19118 runs in 32 bit mode. ]  
[ Process PID=19117 runs in 64 bit mode. ]  
[ Process PID=19118 runs in 32 bit mode. ]  
[ Process PID=19117 runs in 64 bit mode. ]  
Execution timeout expired  
ptrace: umoven: Input/output error  
Got signal 15  
File resolv.conf was modified  
VE start in progress...  
[ Process PID=18826 runs in 32 bit mode. ]

At this point I control-C to get out of the process.

The trace file reveals that it is choking on /dev/console:

```
18826 open("/dev/console", O_WRONLY|O_NOCTTY) = -1 EACCES (Permission denied)
18826 read(3, 0xbff6f20b, 1) = -1 EAGAIN (Resource temporarily unavailable)
18826 waitid(P_ALL, 0, {}, WNOHANG|WEXITED|WNOWAIT, NULL) = 0
18826 time(NULL) = 1193241775
18826 select(4, [0 3], [], [], NULL) = 1 (in [0])
18826 getsockname(0, 0xbff6ef04, [112]) = -1 ENOTSOCK (Socket operation on non-socket)
18826 recvmsg(0, 0xbff6efa8, MSG_PEEK) = -1 ENOTSOCK (Socket operation on non-socket)
18826 time(NULL) = 1193241775
18826 stat64(0xb7fb83a6, 0xbff6ebe8) = 0
18826 stat64(0xb7fb83a6, 0xbff6eaa0) = 0
18826 stat64(0xb7fb83a6, 0xbff6eaa0) = 0
18826 socket(PF_FILE, SOCK_DGRAM, 0) = 1
18826 fcntl64(1, F_SETFD, FD_CLOEXEC) = 0
18826 connect(1, {sa_family=AF_FILE, path="/dev/log"}, 110) = -1 ENOENT (No such file or
directory)
18826 close(1) = 0
18826 open("/dev/console", O_WRONLY|O_NOCTTY) = -1 EACCES (Permission denied)
18826 read(3, 0xbff6f20b, 1) = -1 EAGAIN
```

The preceding output repeats over and over.

---

---

Subject: Re: Ubuntu Gutsy Gibson Template Cache  
Posted by [rickb](#) on Wed, 24 Oct 2007 23:21:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

is /dev mounted? Is -dl /dev

---

---

Subject: Re: Ubuntu Gutsy Gibson Template Cache  
Posted by [ckpeter](#) on Thu, 25 Oct 2007 00:56:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

It looks like /dev is mounted with a number of entries in it. I also see console listed:

```
crw----- 1 root  tty   5,  1 Oct 20 23:16 console
```

---

---

Subject: Re: Init Problem for Ubuntu Gutsy Gibson  
Posted by [ckpeter](#) on Fri, 26 Oct 2007 18:29:47 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I have been playing more with it. After I replace /dev/console with a plain file, it look like the problem is not with /dev/console. The real problem, as suggested by the error message written to /dev/console, is:

```
init: Error on control socket: Socket operation on non-socket
```

I also see /dev/log being mentioned in the trace.

This seems reminiscent of the upstart problem that OpenVZ had with Ubuntu's init. However, all the postings that I was able to find suggest that this was a bug in upstart that has already been fixed.

Any idea if there is a workaround for this?

---

Subject: Re: Init Problem on Ubuntu Gutsy Gibson  
Posted by [ckpeter](#) on Fri, 26 Oct 2007 21:39:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

One more update:

It looks like there is also a bug report filed for Ubuntu feisty:

[http://bugzilla.openvz.org/show\\_bug.cgi?id=662](http://bugzilla.openvz.org/show_bug.cgi?id=662)

Incidentally, I also have some other Ubuntu VE that has been upgraded from dapper to feisty, yet they start fine. It is only the latest template, which I want to build from scratch, that I have problem with.

---

---

Subject: Re: Init Problem on Ubuntu Gutsy Gibson  
Posted by [vaverin](#) on Wed, 31 Oct 2007 12:14:36 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Peter,

as work-around I would like propose you to replace "upstart" to "sysvinit" in your template.

Thank you,  
Vasily Averin

---

---

Subject: Re: Init Problem on Ubuntu Gutsy Gibson  
Posted by [kir](#) on Wed, 31 Oct 2007 13:30:01 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

So, the thing is, upstart will not work in Ubuntu until bug #662 will be fixed. For now, you can use sysvinit package instead of upstart.

---

---

Subject: Re: Init Problem on Ubuntu Gutsy Gibson  
Posted by [ckpeter](#) on Wed, 31 Oct 2007 15:28:34 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks for the suggestion. I had to do that to get Gutsy to work. I followed the instruction from [http://wiki.vpslink.com/index.php?title=HOWTO:\\_Fix\\_Missing\\_u](http://wiki.vpslink.com/index.php?title=HOWTO:_Fix_Missing_u) buntu-minimal\_dependencies\_for\_Ubuntu\_6.10\_(Edgy\_Eft) to make a dummy upstart package, and the Gutsy VE now starts fine.

---

---

Subject: Re: Init Problem on Ubuntu Gutsy Gibson

---

Posted by [dobias](#) on Fri, 02 Nov 2007 02:17:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I encountered the same problem but after replacing "upstart" with "sysvinit" (using aptitude) and rebooting the virtual machine the problem with 100% CPU load was gone  
Vladimir

---