Subject: Ubuntu VE starts only one process
Posted by robig1 on Mon, 08 Feb 2010 09:12:38 GMT
View Forum Message <> Reply to Message

Hello,

I've a Problem with OpenVZ and Ubuntu Karmic Koala. After i had updated the VE to karmic, i was wondering why cron isnt running. Ive tried /etc/init.d/cron start but it fails with that message: start: Unable to connect to Upstart: Failed to connect to socket /com/ubuntu/upstart: Connection refused

So it seems to be a upstart problem, was my 1st thought. But because the ve is in use, ive created a clone of it for experimenting wit that problem. And that seems to be my 1st luck that day. The new VE fails to start properly!

```
# vzctl start 2094
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.2.94
Setting CPU units: 4290
Configure meminfo: 153949
Set hostname: ve2094
File resolv.conf was modified
VE start in progress...
```

```
# vzlist 2094
      VEID      NPROC STATUS  IP_ADDR         HOSTNAME
      2094          1 running 192.168.2.94    ve2094
```

It seems to have only One process started! Is there any way to find out whats happening with that VE? vzvtl enter is not possible. (no pty)

btw I'running Ubuntu on a Debian host with vzctl version 3.0.22 and kernel 2.6.26-2-openvz-amd64.

I hope you could help me.
Thanks

Robert

Subject: Re: Ubuntu VE starts only one process
Posted by nuno on Sun, 14 Feb 2010 07:15:47 GMT
View Forum Message <> Reply to Message

The problem is indeed upstart.
You need to mount some directories, usually done by initramfs, and start some things manually.

Maybe this will help:

```
description "upstart with openvz"

start on startup

task
pre-start script
    mount -t proc proc /proc
    mount -t devpts devpts /dev/pts
    mount -t sysfs sys /sys
    mount -t tmpfs varrun /var/run
    mount -t tmpfs varlock /var/lock
    mkdir -p /var/run/network
    cat /proc/mounts > /etc/mtab
end script

script
    init 2
    ifconfig lo 127.0.0.1
    /etc/init.d/networking restart
    start rsyslog
end script
```

Create this file and copy it to (the container) /etc/init/openvz.conf

Both Karmic and Lucid expect a newer kernel version, but most things will work.

Regards,

---

Subject: Re: Ubuntu VE starts only one process
Posted by robig1 on Mon, 15 Feb 2010 09:45:00 GMT
View Forum Message <> Reply to Message

Thanks for your reply, but creating that upstart config seems to have no effect.

Is there no way to log the complete output of init to a logfile for debugging?

Will updating to a newer Kernel help?

Robert

---

Subject: Re: Ubuntu VE starts only one process
Posted by nuno on Mon, 15 Feb 2010 10:13:44 GMT
View Forum Message <> Reply to Message

It works here with hardy's default openvz kernel.

To make upstart talk a bit more you must add --verbose (or --debug, can't remember) to the kernel command line. The easiest way to do that is modifying grub or lilo.

Subject: Re: Ubuntu VE starts only one process
Posted by robig1 on Mon, 15 Feb 2010 10:15:04 GMT
View Forum Message <> Reply to Message

I've executed the script below by
vzctl exec 2094 /etc/init.d/vztest
and the VE comes to life!

mount -t proc proc /proc
mount -t devpts devpts /dev/pts
mount -t sysfs sys /sys
mount -t tmpfs varrun /var/run
mount -t tmpfs varlock /var/lock
mkdir -p /var/run/network
cat /proc/mounts > /etc/mtab

init 2
ifconfig lo 127.0.0.1
/etc/init.d/networking restart

After that I've got an idea:
vzctl exec 2094 ls /proc
has NO output because proc is empty! I think its not mounted.
But why?

Robert

Subject: Re: Ubuntu VE starts only one process
Posted by nuno on Mon, 15 Feb 2010 10:28:07 GMT
View Forum Message <> Reply to Message

robig1 wrote on Mon, 15 February 2010 10:15I've executed the script below by
vzctl exec 2094 /etc/init.d/vztest

and the VE comes to life!

mount -t proc proc /proc
mount -t devpts devpts /dev/pts
mount -t sysfs sys /sys
mount -t tmpfs varrun /var/run
mount -t tmpfs varlock /var/lock
mkdir -p /var/run/network
cat /proc/mounts > /etc/mtab

init 2
ifconfig lo 127.0.0.1
/etc/init.d/networking restart

After that I've got an idea:
vzctl exec 2094 ls /proc
has NO output because proc is empty! I think its not mounted.
But why?

Robert

The openvz.conf I posted should go in /etc/init/ (not /etc/init.d).

vzctl exec 2094 mount -t proc proc /proc
fails?

I don't know why...

---

Subject: Re: Ubuntu VE starts only one process
Posted by robig1 on Mon, 15 Feb 2010 12:08:48 GMT
View Forum Message <> Reply to Message

Sorry, it seems I did'nt explain it correctly.

The upstart config is there:
# readlink -f openvz.conf
/mnt/data/vz/private/2094/etc/init/openvz.conf

Since that has no effect at all, ive tried to run the script contents manually using vzctl exec. So ive created a file in /etc/init.d/vz and made it executable so i could run it:
vzctl start 2094
vzctl exec 2094 /etc/init.d/vz

That works just fine. The ve continues to start and after a minute I can enter the VE and also the services have been started.

So ive tried another thing:
#vzctl restart 2094
#vzctl exec 2094 ls -l /proc
total 0

So the issue seems to be clear, /proc isn't mounted.
Yes, I can mount it manually with vzctl exec, but thats still not a nice solution.

Robert

---

Subject: Re: Ubuntu VE starts only one process
Posted by nuno on Mon, 15 Feb 2010 12:27:17 GMT
View Forum Message <> Reply to Message

There's a bug in launchpad that may point you in the right direction:
https://bugs.launchpad.net/ubuntu/+source/mountall/+bug/4361 30

---

Subject: Re: Ubuntu VE starts only one process
Posted by robig1 on Mon, 15 Feb 2010 13:21:46 GMT
View Forum Message <> Reply to Message

OK, I will try a kernel update today evening.

Thanks
Robert

---

Subject: Re: Ubuntu VE starts only one process
Posted by robig1 on Tue, 16 Feb 2010 13:25:05 GMT
View Forum Message <> Reply to Message

ok im back with kernel 2.6.26-2-openvz-amd64

Still the same issue. I could only bring the VE to life by running the script above (in /etc/init.d/vz) manually.

Its an acceptable workaround, since I dont restart the ve usually.

But there still seems to be a problem tith tty, here the syslog:
Feb 16 13:57:30 mail2 init: tty4 main process (20844) terminated with status 1
Feb 16 13:57:30 mail2 init: tty4 main process ended, respawning
Feb 16 13:57:30 mail2 init: tty2 main process (20843) terminated with status 1
Feb 16 13:57:30 mail2 init: tty2 main process ended, respawning
Feb 16 13:57:30 mail2 init: tty3 main process (20845) terminated with status 1
Feb 16 13:57:30 mail2 init: tty3 main process ended, respawning
is repeated every half a minute!

---