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Subject: (upstart?) not starting in Debian7 container  
Posted by [narcisgarcia](#) on Mon, 30 Sep 2013 08:06:38 GMT  
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I'm using Debian 6 hardware node (HN) with Linux 2.6.32-5-openvz-686 and vzctl 3.0.30.2

Created a container with the OpenVZ precreated template for Debian 7, installed openssh-server, and when stop+start the container, and entering, the only processes I see are:

```
$ ps -A -o comm,args
init          init
upstart-udev-br upstart-udev-bridge --daemon
udev          /sbin/udev --daemon
udev          /sbin/udev --daemon
udev          /sbin/udev --daemon
upstart-socket- upstart-socket-bridge --daemon
vzctl        vzctl: pts/0
bash         -bash
ps           ps -A -o comm,args
```

I need to manually set runlevel 5 to start the rest of services:

```
$ telinit 5
$ ps -A -o comm,args
COMMAND      COMMAND
init          init
upstart-udev-br upstart-udev-bridge --daemon
udev          /sbin/udev --daemon
udev          /sbin/udev --daemon
udev          /sbin/udev --daemon
upstart-socket- upstart-socket-bridge --daemon
vzctl        vzctl: pts/0
bash         -bash
rc           /bin/sh /etc/init.d/rc 5
rsyslogd     /usr/sbin/rsyslogd -c5
saslauthd    /usr/sbin/saslauthd -a pam -c -m /var/run/saslauthd -n 2
saslauthd    /usr/sbin/saslauthd -a pam -c -m /var/run/saslauthd -n 2
S16sendmail  /bin/sh /etc/rc5.d/S16sendmail start
make         /usr/bin/make all -s -C /etc/mail
sh           /bin/sh -c if [ -x /usr/share/sendmail/update_tls ]; then \
./usr/share/sendmail/update_tls
|| true; \
.fi;
update_tls   /bin/sh -e /usr/share/sendmail/update_tls
openssl      openssl dsaparam 2048 -out /etc/mail/tls/sendmail-common.prm
ps           ps -A -o comm,args
```

I'm going to patch "vz" service in HN to run "telinit 5" on each Debian7 container, but... Does somebody know a cleaner way to solve this?  
Is vzctl launching upstart but something is broken in the template to follow the "boot" sequence?

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Subject: Re: (upstart?) not starting in Debian7 container  
Posted by [Paparaciz](#) on Mon, 30 Sep 2013 17:23:09 GMT  
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Not sure where you should start debug problem.  
just tested with kernel 2.6.32-042stab081.3 and vzctl 4.5.1  
works for me. didn't needed to install openssh-server though. it was already included and started.

as a starting point I suggest update to latest rhel6 based kernel and latest vz tools and friends versions.

[https://wiki.openvz.org/Install\\_kernel\\_from\\_RPM\\_on\\_Debian\\_6.0](https://wiki.openvz.org/Install_kernel_from_RPM_on_Debian_6.0)

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Subject: Re: (upstart?) not starting in Debian7 container  
Posted by [narcisgarcia](#) on Tue, 01 Oct 2013 15:18:27 GMT  
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Tried under CentOS 6.4, and a Debian 7 container boots completely (some process waits several minutes for upstart runs).

Also tried to install vzctl 4.5.1 from "unstable" repository in Debian, but then vzctl doesn't work (some error about a file .so not found).

Instead of installing foreign packages (probably not designed for Debian), I prefer to implement my own patch, which gives a faster result:

1. Install vzctl from "testing" repository (well integrated and works better)
2. Add a line at the end of start() function, in the script file /etc/init.d/vz :  
/usr/local/bin/vz-upstarts.sh
3. Create the file /usr/local/bin/vz-upstarts.sh and make it executable (I attach it to this message)

This workaround consists in look each running container for the case hasn't boot the minimal services, and in that case execute "telinit 5" in it.

### File Attachments

1) [vz-upstarts.sh](#), downloaded 514 times

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Subject: Re: (upstart?) not starting in Debian7 container  
Posted by [kir](#) on Thu, 03 Oct 2013 04:16:58 GMT  
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Try <http://download.openvz.org/debian> -- it's wheezy-test have all the latest and greatest stuff packed. The command to install the kernel is

apt-get install linux-image-openvz-amd64

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Subject: Re: (upstart?) not starting in Debian7 container  
Posted by [narcisgarcia](#) on Thu, 03 Oct 2013 07:44:37 GMT  
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As I understand, I can upgrade Hardware Node to Debian 7.1, install kernel and utilities from [download.openvz.org/debian](http://download.openvz.org/debian) and the result is a "stable" Debian Wheezy ready for production (?)

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Subject: Re: (upstart?) not starting in Debian7 container  
Posted by [narcisgarcia](#) on Sat, 12 Oct 2013 09:02:36 GMT  
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Tried with Debian 7 in a 32-bit Hardware Node, but similar result in Debian7 container:

```
$ ps -A -o comm,args
COMMAND      COMMAND
init          init
kthreadd/777 [kthreadd/777]
khelper/777  [khelper/777]
upstart-udev-br upstart-udev-bridge --daemon
udev         /sbin/udev --daemon
udev         /sbin/udev --daemon
udev         /sbin/udev --daemon
upstart-socket- upstart-socket-bridge --daemon
vzctl        vzctl: pts/0
bash         -bash
rc           /bin/sh /etc/init.d/rc 2
sshd         /usr/sbin/sshd
S15rsyslog   /bin/sh /etc/rc2.d/S15rsyslog start
ps           ps -A -o comm,args
S15rsyslog   /bin/sh /etc/rc2.d/S15rsyslog start
$ telinit 5
$ ps -A -o comm,args
COMMAND      COMMAND
init          init
kthreadd/777 [kthreadd/777]
khelper/777  [khelper/777]
upstart-udev-br upstart-udev-bridge --daemon
udev         /sbin/udev --daemon
udev         /sbin/udev --daemon
udev         /sbin/udev --daemon
upstart-socket- upstart-socket-bridge --daemon
vzctl        vzctl: pts/0
bash         -bash
```

```
sshd      /usr/sbin/sshd
rsyslogd  /usr/sbin/rsyslogd -c5
sasauthd  /usr/sbin/sasauthd -a pam -c -m /var/run/sasauthd -n 2
sasauthd  /usr/sbin/sasauthd -a pam -c -m /var/run/sasauthd -n 2
sendmail-mta  sendmail: MTA: accepting connections
xinetd    /usr/sbin/xinetd -pidfile /var/run/xinetd.pid -stayalive -inetd_compat -inetd_ipv6
apache2   /usr/sbin/apache2 -k start
apache2   /usr/sbin/apache2 -k start
cron      /usr/sbin/cron
ps        ps -A -o comm,args
```

in HN:

```
$ lsb_release -d
```

```
Description: Debian GNU/Linux 7.1 (wheezy)
```

```
$ uname -a
```

```
Linux hn 2.6.32-042stab059.7 #1 SMP Tue Jul 24 19:11:01 MSD 2012 i686 GNU/Linux
```

```
$ vzctl --version
```

```
vzctl version 3.0.30.2
```

(it seems that the i386 repository in [download.openvz.org/debian](http://download.openvz.org/debian) has similar packages than Debian's distribution repository)

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