Subject: (upstart?) not starting in Debian7 container
Posted by narcisgarcia on Mon, 30 Sep 2013 08:06:38 GMT
View Forum Message <> Reply to Message

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
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --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
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --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?

Subject: Re: (upstart?) not starting in Debian7 container
Posted by Paparaciz on Mon, 30 Sep 2013 17:23:09 GMT
View Forum Message <> Reply to Message

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

Subject: Re: (upstart?) not starting in Debian7 container
Posted by narcisgarcia on Tue, 01 Oct 2013 15:18:27 GMT
View Forum Message <> Reply to Message

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 587 times

Subject: Re: (upstart?) not starting in Debian7 container
Posted by kir on Thu, 03 Oct 2013 04:16:58 GMT
View Forum Message <> Reply to Message

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

Subject: Re: (upstart?) not starting in Debian7 container
Posted by narcisgarcia on Thu, 03 Oct 2013 07:44:37 GMT
View Forum Message <> Reply to Message

As I understand, I can upgrade Hardware Node to Debian 7.1, install kernel and utilities from download.openvz.org/debian and the result is a "stable" Debian Wheezy ready for production (?)

Subject: Re: (upstart?) not starting in Debian7 container
Posted by narcisgarcia on Sat, 12 Oct 2013 09:02:36 GMT
View Forum Message <> Reply to Message

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
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --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
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --daemon
udevd           /sbin/udevd --daemon
upstart-socket- upstart-socket-bridge --daemon
vzctl           vzctl: pts/0
bash            -bash
```

```
sshd            /usr/sbin/sshd
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
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 has similar packages than Debian's distribution repository)
