## Subject: "Unable to start init, probably incorrect template" in certain circumstances (several moun
Posted by januszzz on Tue, 23 Feb 2010 19:52:26 GMT

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Hi, I got real issue and please do not tell me this is feature, not bug  either, things are very wrong here  read on:

I got squashfs filesystem which is obviously mounted read-only. It icludes real openvz environment as well as single VE. The HE works perfectly, but Ve cannot start:

Warning: configuration file for distribution nx not found default used
Starting container ...
Container is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Configure veth devices: veth102.0 veth102.1
Unable to start init, probably incorrect template
Container start failed
Stopping container ...
Container was stopped
Container is unmounted


I need to be able to write on some parts of squashfs, so I copy on boot /etc/ /var  and some more directories. The rest of VE's directories are mounted with -o bind  option, i.e.:

/mnt/livecd/vz/private/102/sbin on /vz/private/102/sbin type none (rw,bind)
/mnt/livecd/vz/private/102/sys on /vz/private/102/sys type none (rw,bind)
/mnt/livecd/vz/private/102/usr on /vz/private/102/usr type none (rw,bind)

etc.

You would say, that template is wrong, huh? its not, it is perfectly right as when I use rsync to copy the whole container to internal hdd, I can start the container without any problem:

rsync -avH /vz/private/102 /mnt/hdd
mount -o bind /mnt/hdd /vz/private/102

vzctl start 102
Warning: configuration file for distribution nx not found default used
Starting container ...
Container is mounted
Setting CPU units: 1000
Configure meminfo: 65536
Configure veth devices: veth102.0 veth102.1
Container start in progress...

What is happening then? a bug? a feature? maybe I shouldn't have mounted some dirs (proc,sys, I dunno what yet?)

I would be very thankful for any help!

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## Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by kir on Wed, 24 Feb 2010 01:36:50 GMT
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Do you have /vz/root/102/sbin/init file? Is it executable?

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## Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by januszzz on Wed, 24 Feb 2010 10:07:54 GMT
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Yes, init is in place, is executable. As I've said, when I blindly copy all the files the new container starts OK and I can always chroot into the container - both mounted with -o binds and the one copied (chroot /vz/private/102 /bin/bash, all here seems right)

In my opinion some bind mounts prevents entering the container.

But there is easy way to try the situation - just take a container and remount -o bind every single directory to another, like this:

cd /vz/private/102
mkdir 103
ls -1 | while read x; do mkdir /vz/private/103/$x;  mount -o bind /vz/private/102/$x /vz/private/103/$x; done

then starting new container fails with the above command.

I do bind mounts previously to starting container, I do not use 102.mount script. The question I don't know the answer is if I could mount almost every single dir using the 102.mount script (all except etc,dev and var)? I haven't tried that yet.

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## Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by januszzz on Wed, 24 Feb 2010 14:25:06 GMT
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Anyway - I got time pressure so I've did workaround: I do copy all dirs to tmpfs except the two biggest (usr and opt) which are not needed for VE boot. This made me loose about 100MB of ram, but I've decided I can live with this

Then, I've used 102.mount script to mount /usr and /opt from squashfs.

The question about VE over bind mounts remains valid.

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## Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by gytang on Mon, 25 Mar 2013 05:12:33 GMT
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```
[root@localhost ~]# vzctl start 192
Starting container...
Container is mounted
Setting CPU units: 1000
Unable to start init, probably incorrect template
Container start failed
Killing container ...
Container was stopped
Container is unmounted
[root@localhost ~]#
```

???

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## Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by gytang on Mon, 25 Mar 2013 05:14:00 GMT
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```
[root@localhost ~]# vzctl start 192
Starting container...
Container is mounted
Setting CPU units: 1000
Unable to start init, probably incorrect template
Container start failed
Killing container ...
Container was stopped
Container is unmounted
[root@localhost ~]#
```

???

Subject: Re: "Unable to start init, probably incorrect template" in certain circumstances (several
Posted by Ales on Fri, 29 Mar 2013 12:49:32 GMT

gytang, open a new thread and post all relevant information (kernel version, vzctl version, OS version, template you're using, etc.). Your problem is most likely very different than the januszzz's problem was.

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