Subject: not starting on boot (onboot="yes" in conf files)
Posted by vmvmvm on Thu, 21 Jul 2011 15:31:24 GMT
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Hi,

I have a particular hardware node that has stopped booting ve's on reboot.

All the ve's have :

onboot="yes"

set

The server does start the openvz service via /etc/rc.d/init.d as far as I can tell.

If I reboot the node, vzlist shows something similar to "no containers found" (I don't recall the exact wording).

If I start them manually everything works fine.

Any ideas? Thanks in advance.

Subject: Re: not starting on boot (onboot="yes" in conf files)
Posted by kir on Thu, 21 Jul 2011 15:35:25 GMT
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AFAIK the word "ONBOOT" should be in UPPERCASE, maybe that's your problem. From http://wiki.openvz.org/Man/ctid.conf.5:

All parameter names and values are case-sensitive.

Subject: Re: not starting on boot (onboot="yes" in conf files)
Posted by kir on Thu, 21 Jul 2011 15:40:37 GMT
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Actually, any vzctl command (except for status) with --verbose flag set should complain like this:

vzctl --verbose mount $CTID
Warning at /etc/vz/conf/106.conf:18: unknown parameter onboot ("yes"), ignored

Subject: Re: not starting on boot (onboot="yes" in conf files)
Posted by kir on Thu, 21 Jul 2011 15:42:04 GMT
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Same for vzlist, it doesn't recognize lowercased variable (which is correct thing to do):

```
dionysos ~ # grep -i onboot /etc/vz/conf/106.conf
onboot="yes"

dionysos ~ #  vzlist -o ctid,onboot 106
      CTID ONBOOT
       106     no
```

Subject: Re: not starting on boot (onboot="yes" in conf files)
Posted by vmvmvm on Thu, 21 Jul 2011 16:55:42 GMT
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Hi,

Thanks for your help. I mistyped in the subject line. In the actual conf file they are correctly in caps:

```
ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
KMEMSIZE="15252512:15252512"
```

etc...

I've not been able to test it yet but the last change I see is
changing VZFASTBOOT to yes on this server:

```
DISK_QUOTA=yes
VZFASTBOOT=yes
```

(it was set to no)

I do not think this is the problem because we have it set to YES on other servers with no problem. I've not been able to test yet (can't reboot as this is a production machine) but it should have not be stopping automatic starts of the VE's from my undestanding.

To manually start, I've been doing this:

```
for VE in `vzlist -SHoveid`; do echo $VE; vzctl start $VE; done
```

Subject: Re: not starting on boot (onboot="yes" in conf files)
Posted by vmvmvm on Thu, 21 Jul 2011 17:12:06 GMT
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I believe I may have found the cause of this.

/vz/private is on a different drive, with a symlink from /vz/private to the drive:

private -> /mnt/drive2/vz/private

I wonder if the drive is mounted after vz attempts to start it fails? I cannot find anything in the logs indicating a failure but I wonder if this may be the case?

The drive was an emergency change and not added to fstab

The drive is instead mounted in rc.local (likely after vz has tried to start)

Does this sound like the cause? Should this give an error someplace when vz tries to start containers with missing private directories? I'd like to find it in the logs so I can be 100% sure this is the cause.

Thanks again.