Subject: VEs and rebooting
Posted by pookey on Tue, 08 May 2007 11:08:02 GMT

I'm trying to put together how the VEs are meant to reboot.

I've noticed that there's a /etc/cron.d/vz, which runs

/usr/share/vzctl/scripts/vpsnetclean
and
/usr/share/vzctl/scripts/vpsreboot

My understanding is that vpsreboot should scan for
/vz/private/nnn/reboot, and if it finds that file, it will start the VPS
and delete it the file.

I've looked at the init.d script for rebooting within all of my VEs,
there's a couple of debian ones (3.1 and 4) and a gentoo VE, however
none of these init.d script (be it reboot, or reboot.sh) create the
/reboot file.

These templates were downloaded from the official templates directory.
 Is the reboot init script resonsible for creating the file, and if it
is, why doesn't it do it on any of my VPSs? And what is in place to
'fix' the init script should the distro change it during an update?

Thanks,

--
Ian P. Christian ~ http://pookey.co.uk

Subject: Re: VEs and rebooting
Posted by Vasily Tarasov on Wed, 09 May 2007 08:20:17 GMT

Hello,

your understanding is absolutely right.
After switching to runlevel 6 (reboot) in VE /reboot file should be
created. Unfortunately not all official precreated templates produce
this action... If you consider it as a bug - feel free to report it at
bugzilla.openvz.org.

In such "buggy" templates you should manually add init script that will
create /reboot file. During upgrade of VE, your newly added init script
file will not be deleted/modified - so no problem. However the most

clean way is to create a package with this init script and install it
via package system.

Thank you,
Vasily

On Tue, 2007-05-08 at 12:08 +0100, Ian P. Christian wrote:
> I'm trying to put together how the VEs are meant to reboot.
>
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> is, why doesn't it do it on any of my VPSs? And what is in place to
> 'fix' the init script should the distro change it during an update?
>
> Thanks,
>
>

Subject: Re: VEs and rebooting
Posted by Gregor Mosheh on Wed, 09 May 2007 09:05:00 GMT
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> Ian P. Christian wrote:
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>> /usr/share/vzctl/scripts/vpsreboot
>> My understanding is that vpsreboot should scan for
>> /vz/private/nnn/reboot, and if it finds that file, it will start the VPS
>> and delete it the file.

Pardon me if this question sounds dense. I'm looking at the vpsreboot
code, since I'd like to understand everything there is to know about

VZ....

The vpsreboot cronjob runs every 5 minutes. It looks for a /reboot file in
each VE's directory; if it exists and the VE is stopped, it starts the VE.
Sounds good but... what exactly is the point of this functionality?

Is it used as part of the VZ startup sequence, or for watchdogging, ...?

--
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"Remember that no one cares if you can back up, only if you can restore."
- AMANDA

Subject: Re: VEs and rebooting
Posted by Vasily Tarasov on Wed, 09 May 2007 09:15:47 GMT
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On Wed, 2007-05-09 at 03:05 -0600, Gregor Mosheh wrote:
> > Ian P. Christian wrote:
> >> I've noticed that there's a /etc/cron.d/vz, which runs
> >> /usr/share/vzctl/scripts/vpsreboot
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> Pardon me if this question sounds dense. I'm looking at the vpsreboot
> code, since I'd like to understand everything there is to know about
> VZ....
>
> The vpsreboot cronjob runs every 5 minutes. It looks for a /reboot file in
> each VE's directory; if it exists and the VE is stopped, it starts the VE.
> Sounds good but... what exactly is the point of this functionality?

For example the root of VE performed `reboot` command inside VE. VE will
stop, but somebody from outer world should start it again. vpsreboot is
this somebody, who starts VE if it was rebooted. ;)

>
> Is it used as part of the VZ startup sequence, or for watchdogging, ...?
>

Subject: Re: VEs and rebooting
Posted by Gregor Mosheh on Wed, 09 May 2007 09:23:43 GMT
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>> >> I've noticed that there's a /etc/cron.d/vz, which runs
>> >> /usr/share/vzctl/scripts/vpsreboot
>> Sounds good but... what exactly is the point of this functionality?

Vasily Tarasov wrote:
> For example the root of VE performed `reboot` command inside VE. VE will
> stop, but somebody from outer world should start it again. vpsreboot is
> this somebody, who starts VE if it was rebooted. ;)

Ahhh, okay. Running "init 6" in a VE stops the VE's processes and shuts it
down, but has no mechanism of restarting it. Then a few minutes later
vpsreboot boots it back up, simulating the rebooting part of a reboot. Of
course!

Thanks for the explanation; it makes sense now that I have the missing
piece filled in. :)

I'll make a note of this for the template caches I'm creating.