
Subject: Re: [Vserver] Re: Container Test Campaign

Posted by [kir](#) on Wed, 05 Jul 2006 08:34:24 GMT

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Clément Calmels wrote:

> What do you think of
> something like this:
> o reboot
> o run dbench (or wathever) X times
> o reboot
>

Perfectly fine with me.

>> Here you do not have to reboot. OpenVZ tools does not require OpenVZ
>> kernel to be built.

>>

>

> You got me... I was still believing the VZKERNEL_HEADERS variable was
> needed. Things have changed since vzctl 3.0.0-4..

Yes, we get rid off that dependency, to ease the external packages
maintenance.

> can I can split the "launch a guest" part into 2 parts:

> o guest creation

> o reboot

> o guest start-up

> Do you feel comfortable with that?

>

Perfectly fine. Same scenario applies to other cases: the rule of thumb
is if your test preparation involves a lot of I/O, you'd better reboot
in between preparation and the actual test.

>> The same will happen with most of the other tests involving I/O. Thus,
>> test results will be non-accurate. To achieve more accuracy and exclude
>> the impact of the disk and filesystem layout to the results, you should
>> reformat the partition you use for testing each time before the test.
>> Note that you don't have to reinstall everything from scratch -- just
>> use a separate partition (mounted to say /mnt/temptest) and make sure
>> most of the I/O during the test happens on that partition.

>>

> It would be possible for 'host' node... inside the 'guest' node, I don't
> know if it makes sense. Just adding an 'external' partition to the
> 'guest' for I/O test purpose? For example in an OpenVZ guest, creating a
> new and empty simfs partition in order to run test on it?

>

simfs is not a real filesystem, it is kinda 'pass-through' fake FS which
works on top of a real FS (like ext2 or ext3).

So, in order to have a new fresh filesystem for guests, you can create
some disk partition, mkfs and mount it to /vz. If you want to keep
templates, just

change the TEMPLATE variable in /etc/vz/vz.conf from /vz/template to

something outside of /vz. There are other ways possible, and I think the same applies to VServer.

>>> - For the settings of the guest I tried to use the default settings (I
>>> had to change some openvz guest settings) just following the HOWTO on
>>> vserver or openvz site.

>>> For the kernel parameters, did you mean kernel config file tweaking?

>>>

>>>

>> No I mean those params from /proc/sys (== /etc/sysctl.conf). For
>> example, if you want networking for canOpenVZ guests, you have to turn on
>> ip_forwarding. There are some params affecting network performance, such
>> as various gc_thresholds. For the big number of guests, you have to tune
>> some system-wide parameters as well.

>>

>

> For the moment, I just follow the available documentation:

> http://wiki.openvz.org/Quick_installation#Configuring_sysctl_settings

> Do you think these parameters can hardly affect network performance?

> From what I understand lot of them are needed.

>

OK. Still, such stuff should be documented on the test results pages.
