Subject: Re: Re: [Announce] Kernel RHEL6 testing 042stab054.1
Posted by jjs - mainphrame on Fri, 06 Apr 2012 06:24:17 GMT
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Look closer - there is breakage here. Normally there was a 10% difference
between simfs and ploop, but this is different - this simfs CT has only 1/3
the advertised disk space...

Joe

On Thu, Apr 5, 2012 at 11:06 PM, Kirill Korotaev <dev@parallels.com> wrote:

> Note, that ploop contains ext4 inode tables also (which are preallocated
> by ext4), so ext4 reserves some space for its own needs.
> Simfs however was limiting *pure* file space.
>
> Kirill
>
> On Apr 6, 2012, at 04:58 , jjs - mainphrame wrote:
>
> > However I am seeing an issue with the disk size inside the simfs-based
> CT.
> >
> > In the vz conf files, all 3 CTs have the same diskspace setting:
> >
> > [root@mrmber ~]# grep -i diskspace /etc/vz/conf/77*conf
> > /etc/vz/conf/771.conf:DISKSPACE="20000000:24000000"
> > /etc/vz/conf/773.conf:DISKSPACE="20000000:24000000"
> > /etc/vz/conf/775.conf:DISKSPACE="20000000:24000000"
> >
> > But in the actual CTs the one on simfs reports a significantly smaller
> disk space than it did under previous kernels:
> >
> > [root@mrmber ~]# for i in `vzlist -1`; do echo $i; vzctl exec $i df;
> done
> > 771
> > Filesystem   1K-blocks   Used Available Use% Mounted on
> > /dev/ploop0p1   23621500   939240 21482340   5% /
> > none   262144   4   262140   1% /dev
> > 773
> > Filesystem   1K-blocks   Used Available Use% Mounted on
> > /dev/simfs   6216340   739656   3918464 16% /
> > none   262144   4   262140   1% /dev
> > 775
> > Filesystem   1K-blocks   Used Available Use% Mounted on
> > /dev/ploop1p1   23628616   727664 21700952   4% /
> > none   262144   4   262140   1% /dev
> > [root@mrmber ~]#

> >
> > Looking in dmesg shows this:
> >
> > [2864.563423] CT: 773: started
> > [2866.203628] device veth773.0 entered promiscuous mode
> > [2866.203719] br0: port 3(veth773.0) entering learning state
> > [2868.302300] ploop1:
> > [2868.329086] GPT:Primary header thinks Alt. header is not at the end
> of the disk.
> > [2868.329099] GPT:47999999 != 48001023
> > [2868.329104] GPT:Alternate GPT header not at the end of the disk.
> > [2868.329111] GPT:47999999 != 48001023
> > [2868.329115] GPT: Use GNU Parted to correct GPT errors.
> > [2868.329128] p1
> > [2868.333608] ploop1:
> > [2868.337235] GPT:Primary header thinks Alt. header is not at the end
> of the disk.
> > [2868.337247] GPT:47999999 != 48001023
> > [2868.337252] GPT:Alternate GPT header not at the end of the disk.
> > [2868.337258] GPT:47999999 != 48001023
> > [2868.337262] GPT: Use GNU Parted to correct GPT errors.
> >
> > I'm assuming that this disk damage occurred under the buggy stab54.1
> kernel. I could destroy the container and create a replacement but I'd like
> to make believe, for the time being, that it's valuable. Just out of
> curiosity, what tools exist to fix this sort of thing? The log entries
> recommend gparted, but I suspect I may not have much luck from inside the
> CT with that. If this were PVC, there would obviously be more choices. You
> thoughts?
> >
> > Joe
> >
> > On Thu, Apr 5, 2012 at 3:17 PM, jjs - mainphrame <jjs@mainphrame.com>
> wrote:
> > I'm happy to report that stab54.2 fixes the kernel panics I was seeing
> in stab54.1 -
> >
> > Thanks for the serial console reminder, I'll work on setting that up...
> >
> > Joe
> >
> > On Thu, Apr 5, 2012 at 3:47 AM, Kir Kolyshkin <kir@openvz.org> wrote:
> > On 04/05/2012 08:48 AM, jjs - mainphrame wrote:
> > Kernel stab53.5 was very stable for me under heavy load but with
> stab54.1 I'm seeing hard lockups - the Alt-Sysrq keys don't work, only the
> power or reset button will do the trick.
> >
> > I don't have a serial console set up so I'm not able to capture the

> kernel panic message and backtrace. I think I'll need to get that set up in
> order to go any further with this.
> >
> > 054.2 might fix the issue you are having. It is being uploaded at the
> moment...
> >
> > Anyway, it's a good idea to have serial console set up. It greatly
> improves chances to resolve kernel bugs.
> http://wiki.openvz.org/Remote_console_setup just in case.
> > <ATT00001.c>
>
>