Subject: Re: [PATCHSET] 2.6.20-lxc8
Posted by Herbert Poetzl on Wed, 21 Mar 2007 13:51:23 GMT

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On Wed, Mar 21, 2007 at 01:40:52PM +0100, Daniel Lezcano wrote:
> Dmitry Mishin wrote:
> >On Wednesday 21 March 2007 12:47, Daniel Lezcano wrote:
> >
> >>Herbert Poetzl wrote:
> >>
> >>>On Tue, Mar 20, 2007 at 09:53:01PM +0100, Cedric Le Goater wrote:
> >>>
> >>>>All,
> >>>>
> >>>>We've been gathering, porting and testing a whole bunch of patchsets
> >>>>related to namespaces, containers and resource management in what
> >>>>we call the -lxc patchset.
> >>>>
> >>>great!
> >>>
> >>[cut]
> >>
> >>
> >>>>* generic Process containers from Paul Menage <menage@google.com>
> >>>>* namespace entering from Serge E. Hallyn <serue@us.ibm.com>
> >>>>* resource controllers based on process containers from Pavel Emelianov
> >>>><xemul@sw.ru> * multiple /proc (required for pid namespace) from Dave
> >>>>Hansen <hansendc@us.ibm.com> * pid namespace from Sukadev Bhattiprolu
> >>>><sukadev@us.ibm.com>
> >>>>* L2 network namespace from Eric W. Biederman <ebiederm@xmission.com>
> >>>>* misc fixes and cleanups from others (sorry for not mentioning)
> >>>>
> >>>>and it's giving some good results on common platforms like i386 and
> >>>>x86_64.
> >>>>
> >>>what _are_ the good results? do you have performance
> >>>results or other interesting data on it? if so, where
> >>>can it be found?
> >>>
> >>Hi Herbert,
> >>
> >>I played with the L2 namespace patchset from Eric Biederman, I did some
> >>benchmarking with netperf:
> >>
> >>With 2 hosts, Intel EM64T bipro HT / 2,4 GHz , 4Go ram and GB network.
> >>Host A is running the netserver on a RH4 kernel 2.6.9-42
> >>Host B is running the netperf client inside and outside the container
> >>with the command:

> >> netperf -H HostA -c -l 20 -n 2 -p 12865
> >>
> >>Results are:
> >>inside the container:
> >>   Throughput : 940.39 Mbit/s CPU usage : 15.80 %
> >>
> >>outside the container:
> >>   Throughput : 941.34 Mbits/s CPU usage : 5.80 %
> >>
> >Daniel,
> >
> >You probably did the same tests for my patchset also, didn't you?
> >Which results did you get?
> >
> Effectively, I did some tests with your patchset but in a different way.
> I did it with a bridge and with tbench so I didn't got the cpu usage and
> througput is impacted. It will be irrelevant to give these values if we
> can not compare them with Eric's patchset.
> Anyway, you are right, it is interesting to have a comparison. For this
> reason I added the ioctl in veth to facilitate automated benchmarking
> and I am finishing the performances test suite for your patchset. I
> will send the results ASAP.

excellent, please don't forget to test with L3 isoltaion
(a simple network namespace from Linux-VServer should
do the trick) too, let me know if you have any issues
with getting started ...

TIA,
Herbert

_____
Containers mailing list
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https://lists.linux-foundation.org/mailman/listinfo/containers