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?

>
> I did the test again with 50 containers. I created them one by one
> having one running netperf and the other being idle.
> Each time I created a container, I rerun netperf. To be more explicit, I
> created 1 container, run netperf inside it and blocked it on a fifo
> reading, I created a second container, run netperf inside it and blocked
> it, and son on ... to 50 containers. The benchmarking result are the
> same as running one container, so I guess it scales well.
>
> There are a lot of scenarii to do for benchmarking, for example, running
> netperf in each container in the same time and look how it behaves.
> I am profiling the kernel to look where the cpu overhead is.
>
> Regards.
>
>   -- Daniel

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