
Subject: Re: [PATCHSET] 2.6.20-lxc8

Posted by [Daniel Lezcano](#) on Wed, 21 Mar 2007 12:40:52 GMT

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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
throughput 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.

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
