

> > > Some updates on  
> > > <http://lxc.sourceforge.net/bench/>  
> > >  
> > > New design, results of the stable version of openvz added, clearer  
> > > figures.  
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> >  
> > 1. are 2.6.16 OVZ results still for CFQ disk scheduler?  
>  
> This tests are currently in progress... for the moment, it seems that  
> the anticipatory io scheduler improves performance a lot.  
>  
> > 2. there is definitely something unclear in your testing as  
> > vserver and MCR makes dbench faster than vanilla :))

that's not really unusual ...

> Couldn't some test be faster inside a container than with a Vanilla?

yes, they definitely can, and some very specific ones  
are constantly faster regardless of how many tests  
and/or setups you have ...

> For example if I want to dump all files in /proc, obviously inside a  
> light container it will be faster because /proc visibility is limited  
> to the container session. Just to be clear:  
>  
> r3-21:~ # find /proc/ | wc -l  
> 4213  
> r3-21:~ # mcr-execute -j1 -- find /proc/ | wc -l  
> 729  
>  
> I'm not sure and I'm still investigating. I'm now adding Oprofile to all  
> tests to have more information. If you know technical reasons that imply  
> different results, let me know. Help welcome!

yes, the 'isolation' used in Linux-VServer already  
gave that 'at first glance' strange behaviour that  
some tests are 'faster' inside a guest than on the  
real/vanilla system, so for us it is not really new  
but probably it is still confusing, here are a few  
reasons \_why\_ some tests are better than the 'original'

- structures inside the kernel change, relations between certain structures change too, some of those changes cause 'better' behaviour, just because cache usage or memory placement is different
- many checks walk huge lists to find a socket or process or whatever, some of them use hashes to speed up the search, the lightweight guests often provide faster access to 'related' structures
- scheduler and memory management are tricky beasts sometimes it 'just happens' that certain operations and/or sequences are faster than other, although they give the same result

HTC,  
Herbert

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> Vserver mailing list

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