
Subject: Clock in VPS loosing time quickly
Posted by [jarcher](#) on Sun, 04 May 2008 07:02:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi All...

I am running OpenVZ on a Debian server, `uname -a` returns:

2.6.18-fza-5-amd64 #1 SMP Thu Nov 1 16:15:07 UTC 2007 x86_64 GNU/Linux

I am finding that my VPSs lose time very quickly. I have tried installing an NTP client but this does not seem to work properly. Is there a recommended way to keep my clocks set properly?

Thanks...

Subject: Re: Clock in VPS loosing time quickly
Posted by [Kirill Korotaev](#) on Sun, 04 May 2008 07:19:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

1. plz check that host time screws up quickly as well.
2. check `dmesg` on boot and find what timesource was selected by kernel on boot.
most likely you need to boot with someother timesource like `tsc` or `hpet`.

Thanks,
Kirill

Jim Archer wrote:

> Hi All...
>
> I am running OpenVZ on a Debian server, `uname -a` returns:
>
> 2.6.18-fza-5-amd64 #1 SMP Thu Nov 1 16:15:07 UTC 2007 x86_64 GNU/Linux
>
> I am finding that my VPSs lose time very quickly. I have tried
> installing an NTP client but this does not seem to work properly. Is
> there a recommended way to keep my clocks set properly?
>
> Thanks...
>
>
>

Subject: Re: Clock in VPS loosing time quickly
Posted by [jarcher](#) on Sun, 04 May 2008 07:23:48 GMT

Hi Kirill, thanks very much for the quick reply. The host system's clock is dead on because the host system runs NTP. Its just the VPSs that get messed up.

--On Sunday, May 04, 2008 11:19 AM +0400 Kirill Korotaev
<dev@parallels.com> wrote:

> 1. plz check that host time screws up quickly as well.
> 2. check dmesg on boot and find what timesource was selected by kernel on
> boot. most likely you need to boot with someother timesource like tsc
> or hpet.
>
> Thanks,
> Kirill
>
> Jim Archer wrote:
>> Hi All...
>>
>> I am running OpenVZ on a Debian server, uname -a returns:
>>
>> 2.6.18-fza-5-amd64 #1 SMP Thu Nov 1 16:15:07 UTC 2007 x86_64 GNU/Linux
>>
>> I am finding that my VPSs lose time very quickly. I have tried
>> installing an NTP client but this does not seem to work properly. Is
>> there a recommended way to keep my clocks set properly?
>>
>> Thanks...
>>
>>
>>

Subject: Re: Clock in VPS loosing time quickly
Posted by [kir](#) on Sun, 04 May 2008 14:46:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

Can you issustrate that? I.e. give us the output of "date; vzctl exec
NNN date" and the same after a few minutes/hours.

May it be that your VE have a different time zone than a host system?

Jim Archer wrote:

> Hi Kirill, thanks very much for the quick reply. The host system's
> clock is dead on because the host system runs NTP. Its just the VPSs

> that get messed up.
>
>
>
> --On Sunday, May 04, 2008 11:19 AM +0400 Kirill Korotaev
> <dev@parallels.com> wrote:
>
>> 1. plz check that host time screws up quickly as well.
>> 2. check dmesg on boot and find what timesource was selected by
>> kernel on
>> boot. most likely you need to boot with someother timesource like tsc
>> or hpet.
>>
>> Thanks,
>> Kirill
>>
>> Jim Archer wrote:
>>> Hi All...
>>>
>>> I am running OpenVZ on a Debian server, uname -a returns:
>>>
>>> 2.6.18-fza-5-amd64 #1 SMP Thu Nov 1 16:15:07 UTC 2007 x86_64 GNU/Linux
>>>
>>> I am finding that my VPSs lose time very quickly. I have tried
>>> installing an NTP client but this does not seem to work properly. Is
>>> there a recommended way to keep my clocks set properly?

Subject: cpulimits doesn't work
Posted by [Zhaohui Wang](#) on Mon, 05 May 2008 00:32:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi All

I am trying to measure the cpu resource management functionality, and I set cpulimit to 2 by
Vzctl set 101 --cpulimit 2 --save

And try run super_pi cpu intensive program in ve 101, I should expect the time to be extended by
50 times at least (if not 400 times)

Because the test is on a 2 Xeon 5345 quad core system(8 cores altogether).

But I got the same result as I ran super_pi on ve0 directly.

One more thing that I don't understand is when I use
vzlist 101 -o laverage,cpuunits,cpulimit
the output is

LAVERAGE CPUUNI CPULIM
0.00/0.00/0.00 500 1

Can any one clarify why CPULIM here is 1?and always reduced by 1 comparing to the one that I used in the vzctl set --cpulimit XXX?and what is the meaning if it is a 0 here.

Thanks in advance.

Best Regards
Zhaohui Wang

Subject: Re: cpulimits doesn't work
Posted by [kir](#) on Tue, 06 May 2008 11:19:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

Zhaohui Wang wrote:

> Hi All

>

> I am trying to measure the cpu resource management functionality,and I set cpulimit to 2 by
> Vzctl set 101 --cpulimit 2 --save

>

> And try run super_pi cpu intensive program in ve 101, I should expect the time to be extended
by 50 times at least (if not 400 times)

>

> Because the test is on a 2 Xeon 5345 quad core system(8 cores altogether).

>

> But I got the same result as I ran super_pi on ve0 directly.

>

Could you please tell us the version of the OpenVZ kernel that you use?

Subject: RE: cpulimits doesn't work
Posted by [Zhaohui Wang](#) on Tue, 06 May 2008 17:19:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi

Thanks for the reply.

I am running ovz004 version on a vanilla 2.6.24 kernel.

Any other information you need?

Best Regards
Zhaohui Wang

> -----Original Message-----
> From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On
> Behalf Of Kir Kolyshkin
> Sent: Tuesday, May 06, 2008 7:19 AM
> To: users@openvz.org
> Subject: Re: [Users] cpulimits doesn't work
>
>
> Zhaohui Wang wrote:
> > Hi All
> >
> > I am trying to measure the cpu resource management functionality, and
> I set cpulimit to 2 by
> > Vzctl set 101 --cpulimit 2 --save
> >
> > And try run super_pi cpu intensive program in ve 101, I should expect
> the time to be extended by 50 times at least (if not 400 times)
> >
> > Because the test is on a 2 Xeon 5345 quad core system(8 cores
> altogether).
> >
> > But I got the same result as I ran super_pi on ve0 directly.
> >
> Could you please tell us the version of the OpenVZ kernel that you use?
>

Subject: RE: cpulimits doesn't work
Posted by [Zhaohui Wang](#) on Tue, 06 May 2008 17:59:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

The utils are the latest source and compiled by me, that's vzctl 3.0.22 and vzquota 3.0.11, respectively.

Best Regards
Zhaohui Wang

> -----Original Message-----
> From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On
> Behalf Of Zhaohui Wang

> Sent: Tuesday, May 06, 2008 1:20 PM
> To: users@openvz.org
> Subject: RE: [Users] cpulimits doesn't work
>
>
>
> Hi
> Thanks for the reply.
>
> I am running ovz004 version on a vanilla 2.6.24 kernel.
>
> Any other information you need?
>
>
> Best Regards
> Zhaohui Wang
>
>
> > -----Original Message-----
> > From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On
> > Behalf Of Kir Kolyshkin
> > Sent: Tuesday, May 06, 2008 7:19 AM
> > To: users@openvz.org
> > Subject: Re: [Users] cpulimits doesn't work
> >
> >
> > Zhaohui Wang wrote:
> > > Hi All
> > >
> > > I am trying to measure the cpu resource management
> > functionality, and
> > I set cpulimit to 2 by
> > > Vzctl set 101 --cpulimit 2 --save
> > >
> > > And try run super_pi cpu intensive program in ve 101, I should
> > expect
> > the time to be extended by 50 times at least (if not 400 times)
> > >
> > > Because the test is on a 2 Xeon 5345 quad core system(8 cores
> > altogether).
> > >
> > > But I got the same result as I ran super_pi on ve0 directly.
> > >
> > Could you please tell us the version of the OpenVZ kernel that you
> use?
> >

Subject: RE: cpulimits doesn't work

Posted by [Zhaohui Wang](#) on Tue, 06 May 2008 22:12:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

It's a x64 bit system, config_vz_fairshed is set to y.

Best Regards
Zhaohui Wang

> -----Original Message-----

> From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On

> Behalf Of Zhaohui Wang

> Sent: Tuesday, May 06, 2008 1:59 PM

> To: users@openvz.org

> Subject: RE: [Users] cpulimits doesn't work

>

> The utils are the latest source and compiled by me, that's vzctl

> 3.0.22 and vzquota 3.0.11, respectively.

>

>

> Best Regards

> Zhaohui Wang

>

>

> > -----Original Message-----

> > From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On

> > Behalf Of Zhaohui Wang

> > Sent: Tuesday, May 06, 2008 1:20 PM

> > To: users@openvz.org

> > Subject: RE: [Users] cpulimits doesn't work

> >

> >

> >

> > Hi

> > Thanks for the reply.

> >

> > I am running ovz004 version on a vanilla 2.6.24 kernel.

> >

> > Any other information you need?

> >

> >

> > Best Regards

> > Zhaohui Wang

> >

> >

> > > -----Original Message-----

> > > From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On
> > > Behalf Of Kir Kolyshkin
> > > Sent: Tuesday, May 06, 2008 7:19 AM
> > > To: users@openvz.org
> > > Subject: Re: [Users] cpulimits doesn't work
> > >
> > >
> > > Zhaohui Wang wrote:
> > > > Hi All
> > > >
> > > > I am trying to measure the cpu resource management
> > functionality, and
> > > I set cpulimit to 2 by
> > > > Vzctl set 101 --cpulimit 2 --save
> > > >
> > > > And try run super_pi cpu intensive program in ve 101, I should
> > expect
> > > the time to be extended by 50 times at least (if not 400 times)
> > > >
> > > > Because the test is on a 2 Xeon 5345 quad core system(8 cores
> > altogether).
> > > >
> > > > But I got the same result as I ran super_pi on ve0 directly.
> > > >
> > > Could you please tell us the version of the OpenVZ kernel that you
> > use?
> > >

Subject: Re: cpulimits doesn't work
Posted by [kir](#) on Thu, 15 May 2008 11:37:27 GMT
[View Forum Message](#) <> [Reply to Message](#)

In 2.6.24, we switched from our in-house scheduler to the scheduler available in the kernel. Thus cpulimit is not implemented (yet). We plan to work on that sooner or later, but don't hold your breath.

Zhaohui Wang wrote:
> Hi
> Thanks for the reply.
>
> I am running ovz004 version on a vanilla 2.6.24 kernel.
>
> Any other information you need?
>
>
> Best Regards
> Zhaohui Wang

>
>
>
>> -----Original Message-----
>> From: users-bounces@openvz.org [mailto:users-bounces@openvz.org] On
>> Behalf Of Kir Kolyshkin
>> Sent: Tuesday, May 06, 2008 7:19 AM
>> To: users@openvz.org
>> Subject: Re: [Users] cpulimits doesn't work
>>
>>
>> Zhaohui Wang wrote:
>>
>>> Hi All
>>>
>>> I am trying to measure the cpu resource management functionality, and
>>>
>> I set cpulimit to 2 by
>>
>>> Vzctl set 101 --cpulimit 2 --save
>>>
>>> And try run super_pi cpu intensive program in ve 101, I should expect
>>>
>> the time to be extended by 50 times at least (if not 400 times)
>>
>>> Because the test is on a 2 Xeon 5345 quad core system(8 cores
>>>
>> altogether).
>>
>>> But I got the same result as I ran super_pi on ve0 directly.
>>>
>>>
>> Could you please tell us the version of the OpenVZ kernel that you use?
