
Subject: Logging traffic stats for VEs

Posted by [pookey](#) on Wed, 09 May 2007 15:44:45 GMT

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Hi all,

I need to graph the traffic usage for each VE. I've seen on the wiki that I should use iptables for this, but it seems to me that there should be some kind of counter as part of the openVZ counters - is there?

My concern with using iptables is that in a situation when you have multiple hosts, the VE could be moved around between hosts a fair amount, and therefore the iptables counters won't be relevant.

I'm sure someone must have solved this issue before, care to share?

Thanks,

--

Ian P. Christian ~ <http://pookey.co.uk>

Subject: Re: Logging traffic stats for VEs

Posted by [Thorsten Schifferdeck](#) on Wed, 09 May 2007 17:51:17 GMT

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Hi Ian,

a) use the /proc/net/dev of your VE:

```
# vzctl exec <VEID> grep venet0 /proc/net/dev | cut -d":" -f2 | awk  
'{print $1"\n"$9}'
```

xxx

xxx

b) or, VE has enabled sysfs:

```
# vzctl exec <VEID> cat /sys/class/net/venet0/statistics/{r,t}x_bytes
```

xxx

xxx

a) and b) prints netstats of VE-netdev venet0, in and out in bytes, so you can put these stats in a rrd or in a sql database, a old howto which use a) can be found at

<http://forum.openvz.org/index.php?t=msg&th=261&start=0&>

Hope this helps,
Thorsten Schifferdecker

Ian P. Christian schrieb:

> Hi all,
>
> I need to graph the traffic usage for each VE. I've seen on the wiki
> that I should use iptables for this, but it seems to me that there
> should be some kind of counter as part of the openVZ counters - is there?
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> My concern with using iptables is that in a situation when you have
> multiple hosts, the VE could be moved around between hosts a fair
> amount, and therefore the iptables counters won't be relevant.
>
> I'm sure someone must have solved this issue before, care to share?
>
> Thanks,

Subject: Re: Logging traffic stats for VEs

Posted by [pookey](#) on Wed, 09 May 2007 17:58:33 GMT

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Thorsten Schifferdecker wrote:

> Hi Ian,
>
> a) use the /proc/net/dev of your VE:
>
> # vzctl exec <VEID> grep venet0 /proc/net/dev | cut -d":" -f2 | awk
> '{print \$1"\n"\$9}'
>
> xxx
> xxx
>
> b) or, VE has enabled sysfs:
>
> # vzctl exec <VEID> cat /sys/class/net/venet0/statistics/{r,t}x_bytes

These would both be reset on a customer rebooting their VE wouldn't they? Is there any way a user of a VE could manipulate the figures in either of these places?

Thanks!

--

Ian P. Christian ~ <http://pookey.co.uk>

Subject: Re: Logging traffic stats for VEs
Posted by [dev](#) on Thu, 10 May 2007 10:09:10 GMT
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Ian P. Christian wrote:

> Thorsten Schifferdecker wrote:

>

>>Hi Ian,

>>

>>a) use the /proc/net/dev of your VE:

>>

>># vzctl exec <VEID> grep venet0 /proc/net/dev | cut -d":" -f2 | awk

>>'{print \$1"\n"\$9}'

>>

>>xxx

>>xxx

>>

>>b) or, VE has enabled sysfs:

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>># vzctl exec <VEID> cat /sys/class/net/venet0/statistics/{r,t}x_bytes

>

>

> These would both be reset on a customer rebooting their VE wouldn't

> they? Is there any way a user of a VE could manipulate the figures in

> either of these places?

yep. if you want non-resetable counters then add iptables rules

in VE0 for VE IP addresses. And then read these statistics via iptables -L -v

Thanks,

Kirill
