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Subject: Getting OpenVZ container to run at 1000MB (Network speed) instead of 100MB

Posted by [ieldib](#) on Tue, 16 Jun 2009 02:37:14 GMT

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Hello,

We are trying to get a container which is serving lots of data to run at 1GB network speeds instead of 100MB (seems that the container reaches its 100MB cap and just starts running like crap). The server load does not really get very high and we have been checking network graphs on the server and it does not seem to ever be running over over 100MB speeds. The container is the only container running on the hardware node we have setup.

Thanks x1000 in advance.

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Subject: Re: Getting OpenVZ container to run at 1000MB (Network speed) instead of 100MB

Posted by [khorenko](#) on Wed, 17 Jun 2009 06:59:08 GMT

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Hi.

First of all, please, check the network speed with some speed meter, for example 'iperf':  
<http://sourceforge.net/projects/iperf>

Please, check the speed both on Hardware Node and inside a Container.

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Konstantin

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Subject: Re: Getting OpenVZ container to run at 1000MB (Network speed) instead of 100MB

Posted by [ieldib](#) on Wed, 17 Jun 2009 15:19:37 GMT

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Hello,

We have already checked several times. We are not able to obtain network speeds in excess of a 100MB connection.

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Subject: Re: Getting OpenVZ container to run at 1000MB (Network speed) instead of 100MB

Posted by [DjSpin](#) on Wed, 17 Jun 2009 20:50:58 GMT

The HW node runs at 1000Mbit and hits 300+Mbit with no issues, the container peaks at 100Mbit.

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Subject: Re: Getting OpenVZ container to run at 1000MB (Network speed) instead of 100MB

Posted by [khorenko](#) on Thu, 18 Jun 2009 09:06:15 GMT

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i checked on my local nodes and got almost the same results of network speeds on a Hardware Node and inside a Container:

Server:

```
[server iperf-2.0.4]# src/iperf -s -w 256K
```

```
-----  
Server listening on TCP port 5001
```

```
TCP window size: 256 KByte (WARNING: requested 256 KByte)
```

```
-----  
[ ID] Interval      Transfer    Bandwidth  
[ 5] local <serverIP> port 5001 connected with <clientHN> port 48227  
[ 5] 0.0-10.0 sec 1.10 GBytes 941 Mbits/sec  
[ ID] Interval      Transfer    Bandwidth  
[ 4] local <serverIP> port 5001 connected with <clientCT> port 57894  
[ 4] 0.0-10.0 sec 1.10 GBytes 941 Mbits/sec
```

Client:

```
[clientHN iperf-2.0.4]# src/iperf -c <serverIP> -w 256K
```

```
-----  
Client connecting to <serverIP>, TCP port 5001
```

```
TCP window size: 256 KByte (WARNING: requested 256 KByte)
```

```
-----  
[ 3] local <clientHN> port 48225 connected with <serverIP> port 5001  
[ ID] Interval      Transfer    Bandwidth  
[ 3] 0.0-10.0 sec 1.10 GBytes 941 Mbits/sec
```

```
[clientHN iperf-2.0.4]# vzctl enter 101
```

```
entered into Container 101
```

```
-bash-3.2# su -
```

```
[root@localhost ~]# cd /tmp/iperf/iperf-2.0.4
```

```
[root@localhost iperf-2.0.4]# src/iperf -c <serverIP> -w 256K
```

```
-----  
Client connecting to <serverIP>, TCP port 5001
```

```
TCP window size: 256 KByte (WARNING: requested 256 KByte)
```

```
-----  
[ 3] local <clientCT> port 57894 connected with <serverIP> port 5001  
[ ID] Interval      Transfer    Bandwidth
```

[ 3] 0.0-10.0 sec 1.10 GBytes 941 Mbits/sec

Could you share your results in the same way?

Please, use nodes which are connected to the same switch to make a clear experiment.

Next thing to check is routing. May be packets from the CT do not go directly to the destination server but first go to some default router or so, which has 100Mb network card or connected to 100Mb switch or similar.

Hope this helps.

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Konstantin

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