Subject: strange behaviour of the node
Posted by spenchev on Wed, 06 Nov 2013 16:51:26 GMT
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Hello,

We have noticed a strange behaviour of the OpenVZ server that we have. One of the machines on the node is highly loaded. All of it resources are taken, but there is many free resources on the node, as you can see on the below results.

```
[root@ovz01 ~]# top
top - 18:26:13 up 28 days,  9:02,  1 user,  load average: 14.04, 11.09, 7.37
Tasks: 315 total,  21 running, 292 sleeping,   0 stopped,   2 zombie
Cpu(s): 16.7%us,  1.8%sy,  0.0%ni, 81.5%id,  0.0%wa,  0.0%hi,  0.1%si,  0.0%st
Mem:   8031308k total,  6993140k used,  1038168k free,   478168k buffers
Swap: 10485752k total,        0k used, 10485752k free,  5125828k cached
```

- This is the laverage of all ctids :

```
[root@ovz01 ~]#  vzlist -o ctid,laverage
      CTID      LAVERAGE
       102 0.00/0.00/0.00
       105 14.31/11.68/7.90
       106 0.00/0.00/0.00
       107 0.00/0.00/0.00
       108 0.00/0.00/0.00
       109 0.00/0.00/0.00
```

- The CPU utilisation :

```
[root@ovz01 ~]# vzcpucheck
Current CPU utilization: 1042
Power of the node: 480017
```

- The kernel version :

```
[root@ovz01 ~]# uname -a
 2.6.32-042stab079.5 #1 SMP Fri Aug 2 17:16:15 MSK 2013 x86_64 x86_64 x86_64 GNU/Linux
```

My question is - Can we trust the TOP command and only the VM resources are taken, but not the resources of the whole node, or there is another better way to monitor the node resources ?

Thank you in advance!

Subject: Re: strange behaviour of the node
Posted by pavel.odintsov on Sun, 10 Nov 2013 22:40:22 GMT

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Hello!

Could you show your /etc/vz/conf/$CTID.conf file?

Subject: Re: strange behaviour of the node
Posted by spenchev on Wed, 13 Nov 2013 09:10:59 GMT
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Hello,

Thank you for your answer. Please refer to attached zip file.

Best Regards!

File Attachments
1) CTID.zip, downloaded 483 times

Subject: Re: strange behaviour of the node
Posted by pavel.odintsov on Wed, 27 Nov 2013 10:26:25 GMT
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Hello!

Thank you! Could you show top from overloaded container and ps aux from it?

Subject: Re: strange behaviour of the node
Posted by spenchev on Thu, 30 Jan 2014 11:12:31 GMT
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Hello,

I`m sorry for the late answer.

Please refer to the two attached load logs for a container. Currently we dont have a "ps aux" output, but next time when a load happen we will send you the ps aux output. Note that a load can happen 5 times per day, but it can happen only 1 time for a month, so there is no estimate time.

We are using this software to monitor our OpenVZ : download.openvz.org/contrib/utils/monbean/
During a load we receive a email message that container uses all of it resources.

Tell me if you need any additional information.

Regards!

File Attachments

1) Ovz01-load_19.08.2013.txt, downloaded 440 times
2) Ovz01-load_102_19.08.2013.txt, downloaded 543 times