
Subject: Memory maxed

Posted by [HostRail](#) on Tue, 03 Feb 2009 19:44:20 GMT

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I have openvz on a server with 4 gigs ram.

I have 5 vms.

ram usages usually shows as ~:

vm1 160/512

vm2 272/512

vm3 539/2048

vm4 381/512

vm5 279/512

I have 2 vms that keep crashing with the:

"Cannot Allocate Memory" error.

It doesn't matter how much ram I give them the ram usage suddenly spikes and the vm is unusable.

any ideas as to what is going on wild be great!!!

Subject: Re: Memory maxed

Posted by [curx](#) on Wed, 04 Feb 2009 00:08:41 GMT

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please post the ubc (user_beancounters) for "crashing" containers ...

on hardwarenode:

```
# cat /proc/bc/<CTID>/resources
```

or for all containers

```
# cat /proc/user_beancounters
```

in a container:

```
# cat /proc/user_beancounters
```

See more at http://wiki.openvz.org/Resource_shortage

bye,

Thorsten

Subject: Re: Memory maxed

Posted by [HostRail](#) on Wed, 04 Feb 2009 01:41:28 GMT

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kmemsize	5069637	6009478	2147483646	2147483646	0
lockedpages	0	0	512	512	0
privvmpages	77465	131335	131072	131072	740347428
shmpages	685	1661	131072	131072	0
numproc	49	60	512	512	0
physpages	31184	86884	0	2147483647	0
vmguarpages	0	0	131072	2147483647	0
oomguarpages	31184	86884	131072	2147483647	0
numtcpsock	15	59	4096	4096	0
numflock	6	12	512	512	0
numpty	1	1	256	256	0
numsignifo	1	43	512	512	0
tcpsndbuf	280784	931888	107374592	124151808	0
tcprcvbuf	287264	673312	107374592	124151808	0
othersockbuf	11600	46400	107374592	124151808	0
dgramrcvbuf	0	9760	107374592	124151808	0
numothersock	7	24	4096	4096	0
dcachesize	0	0	4718592	4718592	0
numfile	1527	1938	12288	12288	0
numiptent	18	18	512	512	0
swappages	0	0	9223372036854775807	9223372036854775807	0

Subject: Re: Memory maxed

Posted by [HostRail](#) on Wed, 04 Feb 2009 01:42:30 GMT

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thats kind of a mess.

But yeah:

privvmpages 77465 131335 131072 131072 740347428

that fail count on this is huge 740347428.

But that doesn't really tell me a lot.

Subject: Re: Memory maxed

Posted by [curx](#) on Wed, 04 Feb 2009 08:17:11 GMT

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show OpenVZ resouce "privvmpages" are to low

-> increase the "privvmpages" of this container ...

\$ vzctl set <CTID> --privvmpages <limit:barrier> [--save]

like (1.5 * maxheld):

```
$ vzctl set <CTID> --privvmpages --privvmages 197002:197002
```

Btw, can you describe what kind of program are running inside this container ?

Bye,
Thorsten

Subject: Re: Memory maxed
Posted by [HostRail](#) on Wed, 04 Feb 2009 14:53:58 GMT
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I've increased that to 2 GB but it still maxes out suddenly/randomly.

It normally runs at about 200 MB ram usage. It's just a CentOS 5.2 install with webmin.
