
Subject: OOM Killer strange behavior

Posted by [dannyg](#) on Thu, 28 Sep 2017 22:43:55 GMT

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Hello all,

I will really appreciate assistance with the following issue which is a blocker for us.

We have a product deployed on CentosOS 6.9 with OpenVZ.

Machine RAM size 32 GB + Swap file (16 GB).

The following described issue was reproduced on OpenVZ kernels

2.6.32-042stab125.1 , 2.6.32-042stab123.9 , 2.6.32-042stab123.2, 2.6.32-042stab120.11

For debugging the single container on the host is stopped.

We observed that OOM Killer is invoked whenever host RAM usage without buffers reach ~13 GB:

Free command output (few seconds before OOM killer invoked):

```
total    used    free  shared  buffers  cached
Mem:    32793080 23197272 9595808    920   135992 10276712
-/+ buffers/cache: 12784568 20008512
Swap:   16465916      0 16465916
```

On the message buffer, we see that the machine memory state just before the OOM killer invocation is:

```
RAM: 2097074 / 2097152 [1] SWAP: 1048576 / 1048576 [1] KMEM: 227942400 /
```

Again machine has 32 GB, only 13 GB is used, no swap usage so where those values came from and why OOM killer is invoked in this stage?

The issue is reproducible with similar results every time.

Is it same way to totally disable the OOM killer?

Should I open a defect for this?

BTW attaching file to this post failed (state that file is too big though it only 33K)

I'll be glad to provide any required detail (like sysctl a output)

Regards,

Danny
