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 , .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)
Ill be glad to provide any required detail (like sysctl a output)

Regards,
Danny