Subject: *SOLVED* OpenVZ kernel showing less memory than is installed Posted by sqwestrip on Tue, 20 Mar 2007 11:18:17 GMT

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Hi,

Our Dell server has 4Gb RAM installed and when it is booted using the Centos kernel (2.6.9-42.0.10.ELsmp) it displays this from /proc/meminfo:

MemTotal: 4147184 kB MemFree: 4066004 kB **Buffers:** 8888 kB Cached: 28812 kB SwapCached: 0 kB Active: 29872 kB Inactive: 19100 kB HighTotal: 3276544 kB HighFree: 3228544 kB LowTotal: 870640 kB LowFree: 837460 kB SwapTotal: 8385920 kB SwapFree: 8385920 kB

Dirty: 196 kB
Writeback: 0 kB
Mapped: 16412 kB
Slab: 12604 kB

CommitLimit: 10459512 kB
Committed_AS: 49628 kB
PageTables: 968 kB
VmallocTotal: 106488 kB
VmallocUsed: 6252 kB
VmallocChunk: 99880 kB
HugePages_Total: 0
HugePages_Free: 0
Hugepagesize: 2048 kB

When the server is booted using the OpenVZ kernel (2.6.9-023stab040.1-smp) it seems to only use ~3Gb RAM.

MemTotal: 3100996 kB MemFree: 3019544 kB **Buffers:** 8384 kB Cached: 28744 kB SwapCached: 0 kB Active: 24008 kB Inactive: 19068 kB HighTotal: 2227968 kB HighFree: 2175488 kB

LowTotal: 873028 kB LowFree: 844056 kB SwapTotal: 8385920 kB SwapFree: 8385920 kB

Dirty: 264 kB Writeback: 0 kB Mapped: 10880 kB Slab: 14004 kB CommitLimit: 9936416 kB Committed AS: 43704 kB PageTables: 748 kB VmallocTotal: 106488 kB VmallocUsed: 16228 kB VmallocChunk: 89980 kB

Is this what is expected or do I need to configure something differently?

Many thanks, Steve

Subject: Re: OpenVZ kernel showing less memory than is installed Posted by Vasily Tarasov on Tue, 20 Mar 2007 11:33:35 GMT View Forum Message <> Reply to Message

Hello.

Use etnosplit kernel instead smp.

Vasily.

Subject: [SOLVED] OpenVZ kernel showing less memory than is installed Posted by sgwestrip on Tue, 20 Mar 2007 13:27:16 GMT

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Thank you very much for the speedy response.

Using that kernel has solved the problem.

Thanks, Steve