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Subject: Re: Question about memory resource parameters

Posted by [dev](#) on Mon, 13 Mar 2006 15:32:19 GMT

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Normal zone is a chunk of memory which is directly accessible by kernel. i.e. it is memory which kernel can use for its data structures etc. Its size influences how many tasks you can create, how many files you can open etc. Usually it is unimportant how large Normal Zone is, since 700Mb is large enough actually. However, if you run too many VPSs with too many tasks in it, you can run out of kernel memory.

Enterprise kernel uses so-called 4GB user/kernel space split which increases normal zone size from 700Mb to 3.5Gb, but it introduces some CPU overhead.

Applications can use all the memory available on node (if appropriate kernel is used, i.e. with PAE mode if >4GB RAM is installed).

I can't get how Zimbra cares for it. If it simply checks for

LowTotal: 906064 kB

line in /proc/meminfo, then it is poorly designed application :/

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