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Subject: Memory & SWAP

Posted by [devonblzx](#) on Mon, 22 Jan 2007 21:08:50 GMT

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All right,

After reading a few discussions on these forums, I think I'm getting a partial hang of it...but I still want some clarification.

free -m, when --meminfo privvmpages:1 is set returns the "physpages", right? So why is there such a gap between my physpages and whats actually being used in privvmpages?

vzmemcheck -vA returns this:

Output values in Mbytes

veid	LowMem util	LowMem commit	LowMem util	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
1	6.15	13.61	90.50	90.50	37.61	250.94	1037.61	1037.61		

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Summary:   6.15  13.61  90.50  90.50  37.61  250.94 1037.61 1037.61  
          1579.00 1579.00 3949.00 10093.00 10093.00 10093.00 10093.00 10093.00

I realize the kernel memory isn't included, but free -m returns 84MB being used and in privvmpages, it says I'm using ~250MB.

Also where does SWAP come into play? I have 4GB of RAM and 6GB swap partition but it seems that the SWAP is never used even when a VPS is maxed out on RAM usage. I started getting fork errors but I still had 0/6GB Swap usage.

Is there a setting I should set for how much SWAP a VPS can use? Or do I set privvmpages for SWAP + RAM and then maybe vmguarpages for just RAM?

Any help would be greatly appreciated!

Thanks,  
Devon

[EDIT]  
Maybe someone can give me some exact values...

I want a VPS with 1024MB RAM and 1024MB SWAP available, right now I have privvmpages and vmguarpages to 262144.

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