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Subject: Re: Calculating kmemsize

Posted by [damswf](#) on Wed, 02 Sep 2009 18:17:58 GMT

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I agree, I just installed a web server in an openvz container, and i frequently have this problem. Either I can't do ps anymore, or i don't have a shell when I ssh, etc... instead I got "fork: Cannot allocate memory".

This is a pain for me since I wanted openvz to be more protected against hardware problems, and I have this headache instead.

Every time I grow up the kmemsize barrier limit, I see the maxheld increasing until being greater to the barrier limit then I got some failcnt and errors.

This server is not at all under load now, but once it will be, it will be because of a lot of customers hitting the site (I cannot reproduce the same thing myself to test), and I cannot take the risk to have databases crashing nor losing data because of being unable to allocate kernel memory on a 8GB 64bits system (vc have 4GB).

And I have no clue what the values should be! I have  $\text{kmemsize} \geq 40\text{kB} * \text{avnumproc} + \text{dcache size}$  but still the problem.

This is a serious issue for production servers.

So what do I do? I explain to my boss I just virtualized our servers and we have more problems although I explained him a few times ago that it will work better?