
Subject: Out of memory problems

Posted by [optimize](#) on Sun, 25 Feb 2007 16:18:14 GMT

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I only have one VPS on the box. I used vzsplit 1 to make the config file so it should have all the resources of the box. However I'm running into a ton of "memory" problems;

Here is a "top" of the node;

```
Cpu(s): 3.0% us, 3.3% sy, 0.0% ni, 92.8% id, 0.0% wa, 0.0% hi, 1.0% si
Mem: 1023728k total, 448488k used, 575240k free, 38032k buffers
Swap: 2048276k total, 0k used, 2048276k free, 134688k cached
```

Here is a "top" of the VZ;

```
Cpu(s): 11.1% us, 3.2% sy, 0.0% ni, 85.5% id, 0.3% wa, 0.0% hi, 0.0% si
Mem: 1023728k total, 227320k used, 796408k free, 0k buffers
Swap: 0k total, 0k used, 0k free, 0k cached
```

[client 68.98.x.x] PHP Fatal error: Allowed memory size of 8388608 bytes exhausted (tried to allocate 11264 bytes) in /var/www/html/wm.php on line 47

Here's a list of my bean_counters;

<http://pastebin.ca/371725>

Thanks,

Subject: Re: Out of memory problems

Posted by [rickb](#) on Sun, 25 Feb 2007 16:23:04 GMT

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This has nothing to do with openvz- this is a limitation in your php environment. To verify:

```
grep memory_limit /path/to/php.ini # (usually /etc/php.ini)
```

You will see something like this:

```
memory_limit = 8M ; Maximum amount of memory a script may consume (8MB)
```

Increase 8M to 64M or whatever your php script needs and restart apache.

Rick

Subject: Re: Out of memory problems
Posted by [optimize](#) on Sun, 25 Feb 2007 16:24:19 GMT
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Sorry, should have clarified better.

I also get the same memory problems on bash.

Subject: Re: Out of memory problems
Posted by [rickb](#) on Sun, 25 Feb 2007 16:29:47 GMT
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do you mean when you launch a php script with a bash shell? Yes, this makes sense. Use my recommendation, it will fix your problem.

Subject: Re: Out of memory problems
Posted by [optimize](#) on Sun, 25 Feb 2007 16:32:33 GMT
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rickb wrote on Sun, 25 February 2007 11:29do you mean when you launch a php script with a bash shell? Yes, this makes sense. Use my recommendation, it will fix your problem.

sigh no.

"When I am in bash, and I type ps aux, I get the same memory problems"

Subject: Re: Out of memory problems
Posted by [rickb](#) on Sun, 25 Feb 2007 16:36:57 GMT
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Quote:[client 68.98.x.x] PHP Fatal error: Allowed memory size of 8388608 bytes exhausted (tried to allocate 11264 bytes) in /var/www/html/wm.php on line 47

Quote:"When I am in bash, and I type ps aux, I get the SAME memory problems"

you are getting a php fatal error from ps?- I really doubt this. I think you are not providing adequate information about your problem, or you just plain don't understand how to interpret what is going on.

Subject: Re: Out of memory problems
Posted by [optimize](#) on Sun, 25 Feb 2007 16:46:08 GMT
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rickb wrote on Sun, 25 February 2007 11:36Quote:[client 68.98.x.x] PHP Fatal error: Allowed memory size of 8388608 bytes exhausted (tried to allocate 11264 bytes) in /var/www/html/wm.php on line 47

Quote:"When I am in bash, and I type ps aux, I get the SAME memory problems"

you are getting a php fatal error from ps?- I really doubt this. I think you are not providing adequate information about your problem, or you just plain don't understand how to interpret what is going on.

Nevermind -- obviously you are clueless.

I'll fix the problem myself.

Subject: Re: Out of memory problems
Posted by [curx](#) on Mon, 26 Feb 2007 06:50:35 GMT
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Hi,

> "When I am in bash, and I type ps aux, I get the SAME memory problems"

You have no increased failcounters of kmemsize, privvmpages, shmpages or related memory parameters in /proc/user_beancounters,
are you sure that's an OpenVZ "out of memory" error not php ?

Can you please, post

- the error message inside bash
- relevant memory info's of used php.ini

Subject: Re: Out of memory problems
Posted by [optize](#) on Mon, 26 Feb 2007 10:13:39 GMT
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Sure thing. When I get it again, I'll paste it here.

However it was something like 'Cannot Fork -- Not enough memory' when I did simple commands such as 'ps', 'aux', etc.

However I was still able to do them in the hardware node.

I was under the impression that since I ran vzsplit 1, it would use all the resources on the hardware node. Therefore if vps 1 cant do a ps aux due to memory, the hardware node shouldn't either but that wasn't the case.

Hence why I posted a question about it here.

Subject: Re: Out of memory problems
Posted by [rickb](#) on Mon, 26 Feb 2007 10:22:02 GMT
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Quote:Cannot Fork -- Not enough memory

sounds like numproc and/or privvmpages is exhausting. I would check the failcnt column for these metrics in user_beancounters.
