Subject: Adding Swap space to VE
Posted by oliver on Wed, 05 Dec 2007 07:55:02 GMT
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hi,

when i look in the VE for memory/swap space i get XXX kb Memory (like i defined it in the config) and 0 kb in swap space.

Now i guess when i run out of XXX kb Memory the applications on ve will get a memory error.

I couldn't find any hint how to add common swap space to a ve.

Is this any possible ?

I want to be sure that the applications will work, also when the physically assigned memory ran out.

Greetings
Oliver

Subject: Re: Adding Swap space to VE
Posted by maratrus on Wed, 05 Dec 2007 09:11:28 GMT
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Hi,

Recently Vasily Averin very clearly explained the reason but it was in Russian part of OpenVZ forum.
I'll try to reproduce his idea very precisely.
The fact is that you can restrict the userspace memory via privmpages but inside VE we cannot divide it among the SWAP and RAM. In theory all VE's userspace memory can be swapped that is why
we have to represent the swap size inside VE like privmpages.
But also VE's userspace can stay in RAM so we have to take into account privmpages in RAM accounting. So we have take into account privvmpages in RAM and in SWAP accounting. That is why inside VE swap is shown like zero.
But if your application uses the top/free output you can switch off /proc/meminfo virtualization by using vzctl's --meminfo parameter. And get the same /proc/meminfo like on host system.

Thank You!