Subject: vzsplit
Posted by tomp on Tue, 18 Dec 2007 23:25:18 GMT
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Hi

Why does vzsplit create config files that allow overcommitment of memory (allocation of memory that is) even when the -s 0 switch is used to ignore swap space?

I ran the command, vzsplit -n 25 -s0, created a VE based on this config, and the output of vzcalc is below:

Resource	Current(%)	Promised(%)	Max(%)
Low Mem	0.18	4.20	4.20
Total RAM	1.86	n/a	n/a
Mem + Swap	0.87	1.90	n/a
Alloc. Mem	1.88	1.90	8.15
Num. Proc	0.03	n/a	1.14

IF alloc mem if =~8% then 25*8% is 200% allocation!

Subject: Re: vzsplit
Posted by ugob on Tue, 18 Dec 2007 23:40:41 GMT
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Where do you see 8%?

Subject: Re: vzsplit
Posted by tomp on Tue, 18 Dec 2007 23:54:27 GMT
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8.15 in Max column for Alloc. Mem

Subject: Re: vzsplit
Posted by ugob on Wed, 19 Dec 2007 03:53:55 GMT
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Makes sense to me. It will allow up to 8% of the memory, only if it is available. Overcommited would be to allow 8% of guaranteed.

Subject: Re: vzsplit
Posted by vaverin on Thu, 20 Dec 2007 13:27:47 GMT

We believe that memory allocation overcommit is safe, because usually applications do not use all the allocated memory:
http://wiki.openvz.org/UBC_systemwide_configuration#Limiting _memory_allocations