
Subject: How to fine tune the server performance
Posted by [whatever](#) on Tue, 19 Feb 2008 19:01:58 GMT
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We want to fine tune a server performance. There are 4 vps running in the server node but load is like 20%

We have given each VPS 10% of node's cpu power, 512mb of guarantee and 1gb of burst. Shall we increase the 10% CPU power to 100% for all the vps's for better performance? But if we allocate all 4 vps's to 100% there might be chances when one vps will hog all the server resources.

Can anyone suggest us how to fine tune the server node or each vps.conf file.
Is there any thumb rule for fine tuning the node?

Thanks

Subject: Re: How to fine tune the server performance
Posted by [xemul](#) on Wed, 20 Feb 2008 07:48:51 GMT
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As far as the CPU is concerned you may set cpulimits to 100% safely - our scheduler works that way not to allow one VE consume all the CPU time in case there are other VEs needing it. Dig mans/wiki for the cpuunits parameter.

Subject: Re: How to fine tune the server performance
Posted by [whatever](#) on Wed, 20 Feb 2008 09:11:37 GMT
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By default when vps is made all vps get 1000 cpu units. Shall we increase it to max limit of the CPU or leave it 1000 units?

Thanks

Subject: Re: How to fine tune the server performance
Posted by [xemul](#) on Wed, 20 Feb 2008 10:52:09 GMT
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These numbers are useless by their own

What is really important is their relative values. For example, if you have two VEs with 100 units each, this is absolutely the same as if you have them both with 1000 or even 10000 units. Since the units are equal, the scheduler will give each of them 50% of CPU power. But if you change the numbers so that one becomes X times larger than the others, then the scheduler will give that particular VE X times more CPU time than to the others one. E.g. 900 units vs 100 units will result in 90% of CPU time vs 10% of CPU time (an 9000 vs 1000 will produce the same effect).

Hope this explanation is clean
