Subject: Abilty to read VE /proc without being constrained by UBC
Posted by rickb on Thu, 30 Nov 2006 09:53:09 GMT
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I know this is a contradiction in some ways, but is it possible to read the /proc filesystem of a VE without invoking "vzctl enter VEID" or is there some way for the UBC not to be applied to the execution?

The reason this would be useful to me, is that I am developing an openvz VE resource reporting tool as posted in the discussions forum. One thing that the application needs to do is read /proc files from each VE such as /proc/net/dev, /proc/stat to read some VE specific statistics. Right now I am running "vzctl exec VEID cat FILE" from on the HN and it works fine most of the time. However if the VE has a resource exhausted such as numfile, privvmpages, kmemsize, the "cat" cannot execute and the stats collection fails.

Ideally we would be able to read each VEs proc directory from something like /proc/VE_PROC/VEID/ from the HN. VE_PROC is just a name I made up for this example. ie, inside VE 50, /proc/stat would be /proc/VE_PROC/50/stat on the HN.

Thanks!
Rick Blundell

Subject: Re: Abilty to read VE /proc without being constrained by UBC
Posted by Vasily Tarasov on Thu, 30 Nov 2006 10:42:01 GMT
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I think your soft should try to get statistics, and if it fails, display that getting statistics is failed and display also information from /proc/user_bancounters (from HN) related to VE in question.

HTH,
Vasily.

Subject: Re: Abilty to read VE /proc without being constrained by UBC
Posted by rickb on Thu, 30 Nov 2006 16:32:19 GMT
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Yea, it seems that resource information gathering should be separate from from UBC failcount reporting. Checking the resource statistics of a VE ideally wouldn't use the VEs resources. Whats funny is when I check /proc/stat in the VE, I have to decrement running procs by one because my cat process is counted in there, thanks Heisenberg.

Anyway thanks for the advice.

Rick