Subject: *SOLVED* Are user beancounters available as separate patch?
Posted by piavlo on Sat, 09 Jun 2007 23:25:43 GMT
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Hi,

Are user beancounters functionality available as a separate mainline kernel patch? Since i'm interested just in using the UBC functionality without setting any Virtual Environments.
Does the openvz patched kernel allows that?

Or, maybe, someone can suggest other patch which allows similar functionality?

Thanks
Alex

Subject: Re: Are user beancounters available as separate patch?
Posted by piavlo on Sat, 09 Jun 2007 23:40:28 GMT
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piavlo wrote on Sun, 10 June 2007 02:25 Hi,

Are user beancounters functionality available as a separate mainline kernel patch? Since i'm interested just in using the UBC functionality without setting any Virtual Environments.
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Thanks
Alex

Actually i meant to use beancounters on a user basis
and not on Virtual Environment basis. From the docs i
see that UBC are applied to VEs can thay be applied just to users?

Thanks

Subject: Re: Are user beancounters available as separate patch?
Posted by rickb on Sun, 10 Jun 2007 02:38:47 GMT
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Its an interesting idea for sure, but no one has such a patch. the user_beancounters file is a report of the kernel VE accounting structures of course, and to populate them you need all of the accounting functions in the kernel. Maybe someone could adapt the VE context to a system user,

but this isn't likely to be on the openvz project roadmap.

Subject: Re: Are user beancounters available as separate patch?
Posted by Vasily Tarasov on Thu, 14 Jun 2007 08:53:29 GMT
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Hello,

You're right, UBC is a separate thing, that can be used as a separate technology. I see now two major ways:

1) You can use pure OpenVZ kernel. There are syscalls: setluid(), setublimit(), ... that allow you to set a UB for a process and manage UB limits. So, actually you can set a separate UB for every user's first process and in this way achieve your aim.
You can consult vzctl soruces and kernel sources for more details.

2) There was an attempt to merge UBC in mainstream, so there were patches and user-space tools that allow to create a UBC-based solutions separated from OpenVZ. Look at lkml and container mailing lists archives.

HTH,
Vasily.
