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Subject: Re: [ckrm-tech] [PATCH 7/7] containers (V7): Container interface to nsproxy subsystem

Posted by [Srivatsa Vaddagiri](#) on Sat, 07 Apr 2007 01:35:02 GMT

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On Fri, Apr 06, 2007 at 02:55:54PM -0700, Paul Menage wrote:

> >Anyway. When are you going to send your patches with containers  
> >and what kernel will it be built upon? I'll try to prepare the RSS  
> >patches soon after this.  
>  
> This afternoon. Still based on 2.6.20.

I would suggest to split the patches well to the extent possible. For ex: in my stack, this is what I tried doing:

- A basic file system which registers itself and lets itself be mounted
- Add tasks file
- Add container\_clone/exit support (for namespace to use)
- Basic namespace changes to use this filesystem
- Add a hostname file in every container dir (demonstrates what it takes to add a file)
- Add support for user to mkdir/rmdir (so far the patch stack will just show what directories kernel (i.e namespace) has auto-created/destroyed - like /proc)
- Add attach task support - This shows why attach task is nasty
- Add another subsystem like cpu accounting and show how it leads to unnecessary repetitive lines of code, to avoid which
- Generalize using a register mechanism, so that we can do for\_each\_subsys()
- Introduce multi hierarchy support ..so far everything was capable of being mounted under a diff hierarchy.
- Introduce notify\_on\_release

For one, readers will be able to appreciate how the complexity of the patch stack is affected because of the various features progressively introduced. For other, it will make the patch stack more readable and (possibly) attract more review, since they will be dealing with smaller/focused changes at a time ..

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Regards,  
vatsa

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Containers mailing list  
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