

[snip]

- >
- > Consensus/Debated Points
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- > Consensus:
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- > - Provide resource control over a group of tasks
- > - Support movement of task from one resource group to another
- > - Dont support heirarchy for now
- > - Support limit (soft and/or hard depending on the resource
- > type) in controllers. Guarantee feature could be indirectly
- > met thr limits.
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- > Debated:
- > - syscall vs configs interface

1. One of the major configs ideas is that lifetime of the objects is completely driven by userspace. Resource controller shouldn't live as long as user want. It "may", but not "must"! As you have seen from our (beancounters) patches beancounters disapeared as soon as the last reference was dropped. Removing configs entries on beancounter's automatic destruction is possible, but it breaks the logic of configs.

2. Having configs as the only interface doesn't allow people having resource controll facility w/o configs. Resource controller must not depend on any "feature".

3. Configs may be easily implemented later as an additional interface. I propose the following solution:

- First we make an interface via any common kernel facility (syscall, ioctl, etc);
 - Later we may extend this with configs. This will allow one to have configs interface build as a module.
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- > - Interaction of resource controllers, containers and cpusets
 - > - Should we support, for instance, creation of resource groups/containers under a cpuset?
 - > - Should we have different groupings for different resources?

This breaks the idea of groups isolation.

> - Support movement of all threads of a process from one group
> to another atomically?

This is not a critical question. This is something that has difference in

```
- move_task_to_container(task);  
+ do_each_thread_all(g, p) {  
+   if (g->mm == task->mm)  
+     move_task_to_container(g);  
+ } while_each_thread_all(g, p);
```

or similar. If we have an infrastructure for accounting and moving one task_struct into group then solution of how many task to move in one syscall may be taken, but not the other way round.

I also add devel@openvz.org to Cc. Please keep it on your replies.
