

Paul Menage wrote:

>> Using the container name is bad and it led to this stupid argument.

>>

>> The fundamental unit of what we have merged into the kernel is the
>> namespace. The aggregate of all namespaces and everything is the
>> container.

>>

> What are you defining here as "everything"? If you mean "all things
> that could be applied to a segregated group of processes such as a
> virtual server",

The term "segregated group of processes" is too vague. Segregated for what? What is the kernel supposed to do with this information?

> I guess what it comes down to, is why is an aggregation of namespaces
> suitable for the name "container", when an aggregation of namespaces
> and other resource controllers isn't?
>

This argument goes away if you just rename these resource groups to resource namespaces.

> What do you think might be a better name for the generic process
> groups that I'm pushing? As I said, I'm happy to do a simple
> search/replace on my code to give a different name if that turned out
> to be the gating factor to getting it merged. But I'd be inclined to
> leave that decision up to Andrew/Linus.
>

Did you like the names I came up with in my original reply?

- CPUset namespace for CPU partitioning
- Resource namespaces:
 - cpusched namespace for CPU
 - ulimit namespace for memory
 - quota namespace for disk space
 - io namespace for disk activity
 - etc

>> For the case of namespaces I don't see how your code makes things
>> better. I do not see a real problem that you are solving.

>>

> I'm trying to solve the problem that lots of different folks
> (including us) are trying to do things that aggregate multiple process

> into some kind of constrained group, and are all trying to use
> different and incompatible ways of grouping/tracking those processes.
>

Maybe what's missing is a set of helper macros/functions that assist with writing new namespaces. Perhaps you can give some more examples and we can consider these on a case by case basis.

Sam.

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