## Subject: Re: [RFC][PATCH 1/5] Virtualization/containers: startup Posted by Linus Torvalds on Mon, 06 Feb 2006 16:56:52 GMT

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On Sun, 5 Feb 2006, Kirill Korotaev wrote:

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- > Please, also note, in OpenVZ we have 2 pointers on task struct:
- > One is owner of a task (owner\_env), 2nd is a current context (exec\_env).
- > exec env pointer is used to avoid adding of additional argument to all the
- > functions where current context is required.

That naming \_has\_ to change.

"exec" has a very clear meaning in unix: it talks about the notion of switching to another process image, or perhaps the bit that says that a file contains an image that can be executed. It has nothing to do with "current".

What you seem to be talking about is the \_effective\_ environment. le the same way we have "uid" and "euid", you'd have a "container" and the "effective container".

The "owner" name also makes no sense. The security context doesn't "own" tasks. A task is \_part\_ of a context.

So if some people don't like "container", how about just calling it "context"? The downside of that name is that it's very commonly used in the kenel, because a lot of things have "contexts". That's why "container" would be a lot better.

I'd suggest

current->container - the current EFFECTIVE container current->master\_container - the "long term" container.

(replace "master" with some other non-S&M term if you want)

(It would make sense to just have the prepend-"e" semantics of uid/gid, but the fact is, "euid/egid" has a long unix history and is readable only for that reason. The same wouldn't be true of containers. And "effective\_container" is probably too long to use for the field that is actually the \_common\_ case. Thus the above suggestion).

Linus