## Subject: Re: [RFC][PATCH 1/2] add user namespace [try #2] Posted by dev on Tue, 12 Sep 2006 14:03:27 GMT

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## Herbert Poetzl wrote:

```
>>><<< such checks for CAP_SYS_ADMIN mean that we can't use 
>>>copy_xxx/clone_xxx functions directly 
>>><<< from OpenVZ code, since VE creation is done with dropped 
>>>capabilities already. 
> 
> is there a good reason for doing so? 
> I mean, Linux-VServer for example drops the capabilities 
> at the end of initialization, right before spawning the 
> guest init (or running the guest's runlevel scripts) 
yes, there is a security reason. 
default set of capabilities is saved on VE creation to 
ve->cap_default. This is used to make sure that on VE 'enter' 
a process moved between contexts won't leak capabilities to VE.
```

So when VE is created it should be known already which caps to use.

```
>>><<< (user level tools decide which capabilities should be granted >>>to VE, so CAP_SYS_ADMIN >>><<< is not normally granted :) ) >>><<< Can we move capability checks into some more logical place >>>which deals with user, e.g. sys_unshare()?
```

Kirill